

BICENTENNIAL EDITION

HISTORICAL STATISTICS

of the United States

COLONIAL TIMES TO 1970

PART 2



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Preparation of this edition was under the direction of **William Lerner** Chief, Statistical Compendia Staff

The bicentennial edition of Historical Statistics of the United States is the third in the series of volumes inaugurated in 1949. In both form and content, the bicentennial edition has drawn heavily from, and built upon, the two prior editions. Both the first volume, Historical Statistics of the United States, 1789 to 1945, issued in 1949, and the second volume, Historical Statistics of the United States, Colonial Times to 1957, issued in 1960, were prepared by the Bureau of the Census with the cooperation of the Social Science Research Council (SSRC). Although the SSRC did not participate in the preparation of the bicentennial edition, its cooperation in the first two volumes was invaluable in establishing those volumes as the basis for continuing work in the field of historical statistics. Similarly, the many individuals and agencies who made important and distinctive contributions to the first two volumes were instrumental in the preparation of the present one. Immediately following the table of contents, therefore, are reprinted the "official roster and credits" pages from the first two volumes. Also, incorporated within the "Acknowledgments for Chapter Contributions," under the title of each edition, are the credits to contributors as they appeared in the first two volumes.

Analytical review and editing of text tables was primarily the responsibility of Helen E. Teir, Assistant Chief, Statistical Compendia Staff, Data User Services Division. During the period January 1972 to June 1973, Elma D. Beynon was primarily responsible for obtaining the cooperation and assistance of the many subject consultants and for immediate supervision of compilation operations. Suzanne L. Worth assisted Mrs. Beynon and, from July 1973 to November 1974, was responsible for working with consultants and for supervision of the technical and clerical staff. Alma L. Butler, assisted by Kay Swenson, was responsible for final editing and preparation

of manuscript for the printer. The Census Library, **Dorothy** W. Kaufman, Chief, also lent valuable assistance.

The cooperation of the many contributors to this volume and to the prior editions is gratefully acknowledged. Following the practice established by the prior editions, every data series shown in this volume is, to the extent possible, specifically identified by source as to issuing agency and/or individual author, publication title, publisher, and date of issue. Frequently all five items are shown; frequently additional information is given.

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This volume stems from a joint interest by the Bureau of the Census and the Social Science Research Council. It was planned, assembled, edited, and published by the Bureau, with the advice and assistance of the Committee on Historical Statistics appointed by the Council. Many other individuals and agencies cooperated and made significant contributions to this project. General acknowledgments for each chapter are presented on p. VII; other acknowledgments frequently appear in the text discussions of the various chapters.

The volume was prepared in the Bureau of the Census under the general direction of Edwin D. Goldfield, Chief, Statistical Reports Division. Herman P. Miller served as the Project Director and was primarily responsible for the planning, organizing, and supervising of all aspects of the compilation of the data. Dr. Miller also served

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Morris B. Ullman, who supervised the preparation of the previous volume, *Historical Statistics of the United States*, 1789–1945, was responsible for planning during the early stages of the project.

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Social Science Research Council

The Committee on Historical Statistics appointed by the Social Science Research Council participated actively in the preparation of this volume, in the extension of the subjects to be added, and in planning the general procedures for securing expert assistance on each subject. As the project was developed the Committee, especially the Chairman, was primarily responsible for consideration of prob-

lems of data selection and format, for general appraisal of the quality of the series suggested for inclusion, and for the selection of consultant-specialists for the various subjects. The Committee as a whole, or through specially qualified members, reviewed the plans for inclusion of specific series and discussed areas of study which presented unusual problems.

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While this volume has been planned, assembled, and edited in the Bureau of the Census, with the advice and assistance of the Social Science Research Council, many other individuals and agencies contributed to its preparation, directly and indirectly. In some instances, individuals devoted themselves full-time for the period necessary to complete their phase of the project. In other instances, contributions were prepared by individuals while they maintained heavy responsibilities in their own offices. A number of private publishers, authors, and research organizations generously granted permission to use their materials. In some cases, they also made additional contributions in time and energy. General acknowledgments for each chapter are given on p. IV; other specific acknowledgments appear within the text in the various sections of the volume.

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Historical Statistics . . . Colonial Times to 1957

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ARMED FORCES AND VETERANS

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Historical Statistics . . . 1789-1945

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Chapter Z. Colonial and Pre-Federal Statistics

Historical Statistics . . . Colonial Times to 1970

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Historical Statistics . . . Colonial Times to 1957

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Introduction

This volume is the third in the *Historical Statistics* series issued by the Bureau of the Census as a supplement to the annual *Statistical Abstract of the United States*.

Statistics are a valuable adjunct to historical analysis. They often clarify and enrich qualitative history and on occasion become important parts of a historical record on their own. However, users of historical data are faced with the paradox of over-abundance and scarcity. A burdensome multiplicity of sources has frequently to be consulted in order to reconstruct one quantitative aspect of a particular subject. Just as often, users are confronted by a discouraging barrenness of data, discoverable only after much costly work and delay.

The objective of the *Historical Statistics* volumes is to provide a convenient reference source which has two functions, collecting and referring. The collecting function consists of assembling, selecting, and arranging data from hundreds of sources and making them available within a single source. The referring function consists of text annotations to the data which act as a guide to sources of greater detail. The annotations also define terms used in the tables and include essential qualifying statements.

The first volume in this series, Historical Statistics of the United States, 1789–1945, was published in 1949. It provided a wide range of series quantifying various aspects of the development of the Nation. An interim Continuation to 1952 was issued in 1954 to provide data for 1946 to 1952 for the still-active series shown in the first volume. Limited resources confined the scope of the first volume to data most readily available, usually from governmental agency sources. Nevertheless, some 3,000 statistical time series were presented.

Historical Statistics of the United States, Colonial Times to 1957, issued in 1960, represented a substantial expansion of the data shown in the original volume. It presented more than 8,000 time series, mostly annual, on a greater variety of subjects and for longer time periods. The statistics were also more fully annotated and more precise references to original sources were provided. For a greater number of series, in addition, there were more detailed descriptions of the development and reliability of the data. A Continuation to 1962 and Revisions was issued in 1965, presenting revisions of data in the basic volume and extensions to 1962 of the more than 6,000 series still current at that time.

Each of the first two volumes was prepared with the cooperation of the Social Science Research Council, the guidance of a distinguished Advisory Committee, and the assistance of numerous scholars, research analysts, and particular subject specialists. A description tracing the development of the first two editions appears below under "Origin of Historical Statistics of the United States."

During the latter 1960's, the supply of copies of Historical Statistics... to 1957 available for sale from the U.S. Superintendent of Documents was exhausted. The edition had already been through a cycle of five printings and a question was raised concerning the advisability of further printings in the light of a possible new edition. The question was timely. Experience with the first two editions and their Continuation supplements had shown that a new edition was desirable at 10 to 12 year intervals. The Continuation supplements were at best handy stopgaps for researchers, a serviceable minimum seriously lacking in documentation. As each year lengthened the interval between editions, the "convenience" value of both the Continuation to 1962 and its parent Historical Statistics... to 1957 diminished. More and more time series were revised in part or entirely replaced. Further, the task for the user of updating the still active, unrevised, series became more burdensome despite the special efforts of the an-

nual Statistical Abstract to maintain a direct linkage to as many historical series as possible in its current tables. As a result, a decision was made in 1969 to begin preparation of a new edition.

The plans for the new edition immediately encountered the problem of funding and resources. It was clearly impractical at that time, given the available resources, to consider undertaking a fullfledged new edition of *Historical Statistics*. The determination to make a start, however, was very strong and more modest objectives were adopted. In effect, the early plans for the present edition proposed that it comprise little more than: (1) An extension to 1970 of those series for which current data were available; (2) revisions of data which had occurred since issuance of the *Continuation to 1962*; and (3) a reprinting of those series in *Historical Statistics*... to 1957 which had not been affected by either updating or revisions. No time span was specifically set down to complete the work because there was a clear understanding that it was a part-time staff project.

Two other aspects of this plan differed considerably from the procedures followed for the last edition. For that edition, a large number of consultants were enlisted for their expertise in assembling and developing new time series, reviewing and adjusting old time series, and providing explanatory and bibliographic notes for both. Although most of these consultants, especially those in Federal agencies, contributed their own and their agencies services without compensation, many were compensated from funds provided by the Ford Foundation (by arrangement through the Social Science Research Council). For the new edition, given the limited resources. consultants' contributions were recruited on a public service basis entirely. Partly for the same reason, it was decided not to revive the collaboration of the Census Bureau with the Social Science Research Council which had proved so highly effective for the first two Historical Statistics editions. Even more convincing for the Bureau decision to undertake the project alone was the solidity of the base which those editions now provided for the next edition. Seeking such collaboration again seemed unwarranted in the light of the modest objectives outlined above.

As the work slowly progressed and as the many consultants and contributors gave generously of their knowledge and talent, it became clear that our objectives were too restrictive; that our contemplated mere updating would, if adhered to, have to ignore a large accumulation of new time series which were either ineligible for the last edition (at that time they covered a period of less than 20 years) or had not been discovered or properly developed prior to that edition. The gradual accretion of new material plus the additions to old material substantially changed the planned scope of the present edition. What follows are some measures of the changes in content introduced in the present edition.

All of the broad subject fields shown as separate chapters in the last edition are included in this edition and follow the same sequence. Within some of the chapters, however, chapter segments have been regrouped into new subchapters (as in chapters K and X) and in others, the sequence of the subchapters has been changed (as in chapters H, Q, and U) to achieve minor improvements in the juxtaposition of subjects.

In two chapters, two entirely new subchapters have been added: "Input-Output Structure of the U.S. Economy" to chapter F and "Flow of Funds" to chapter X.

The present edition presents more than 12,500 time series, a 50-percent increase over the last edition. Every chapter has undergone some expansion with respect to new time series. Chapter F, national income and wealth, and chapter H, social statistics, doubled in num-

ber of series; the former from 345 to 723 and the latter from 543 to 1,170. The increase in chapter F was largely due to newly-added data for economic growth rates, greater detail than was previously shown for national and personal income, and data showing valuation of capital stocks. Unsurprisingly, the largest increase in series occurred in chapter H where the data for social insurance and welfare, education, and crime and correction reflect the great public attention given to these subjects in recent decades. Almost equally large increases took place for chapter K, agriculture, and chapter X, financial markets and institutions (formerly banking and finance); chapter K from 328 series to 623; chapter X from 480 to 962. Partly to accommodate the increase in series, chapter K has been subdivided into 4 parts. Most of the new series in chapter K relate to farm population and farm-operator characteristics, farm marketings, government payments and price supports, and a number of new measures of farm productivity. For chapter X, the bulk of the increase in series is in the new flow-of-funds subchapter.

Several chapters now include for the first time a number of data series below the national level. In all, there are 13 new tables (comprising 484 series) in this category, 9 of which present data for the individual States and 4 for either regions (e.g. the South or the West) or the smaller geographic divisions (e.g. New England, South Atlantic). Perhaps of special interest among these tables are the series on population characteristics and land area for each State (A 195–263), those on selected items for farms and farm population by State (K 17–81), those on voter participation in presidential elections by State (Y 27–78), and those on population censuses taken in the colonies and States during the colonial and pre-Federal period (Z 24–132).

In addition, each of 4 chapters (D, G, Q, and Z) includes at least 200 or more new series and each of 10 chapters (A, B, L, N, P, S, T, U, V, and Y) includes 100 or more. A summary of selected new series included in each chapter is shown on p. XV.

One other important change is the reinstatement of a time period index (see p. A-4) which first appeared in *Historical Statistics...*, 1789 to 1945. The index enables users to identify quickly which time series (or statistics for particular subjects) begin in the specified 10- or 20-year time segment (e.g. 1800-1819, 1820-1839).

As a result of the complete review and updating of the contents of the last edition of *Historical Statistics*, many changes, apart from the entirely new series, have occurred in both the tables, the descriptive text, and the bibliographic notes. Most of the changes are due to revisions and corrections made during the interval between the last and present editions by the sources of the data affected. Where users of both editions become aware of discrepancies in what purport to be identical sets of data, it is safe to assume that the figures, descriptive text, and notes in the present edition supersede those in the last edition.

With rare exception, all of the series shown in the last edition are also included here. 76 series were omitted. They were primarily discontinued series replaced on recommendations of consultants by other series of a similar kind or were considered of marginal importance or relatively weak in other respects. In one or two instances, space was also a factor.

Origin of Historical Statistics of the United States

The first edition, Historical Statistics of the United States, 1789–1945, was formally initiated by a recommendation in 1945 by the Social Science Research Council that the Secretary of Commerce consider compilation and publication by the Bureau of the Census of a source book of economic statistics.

Earlier the same year, J. Frederic Dewhurst urged the development of an historical source book in a proposal to the American Statistical Association and the American Economic Association. A joint committee was named by these associations, joined by the Economic History Association, to explore the practical problems of preparing such a volume. Dr. Dewhurst's proposal coincided closely with

Bureau of the Census plans to prepare an historical supplement to the Statistical Abstract of the United States. The formal decision in 1945 by the Bureau of the Census to compile and publish such a volume led to the reconstitution of the joint committee, which then became the Social Science Research Council Committee on the Source Book of Historical Statistics, Advisory to the Bureau of the Census.

After the first edition was issued in June 1949, the Economic History Association, in response to a request from the Bureau of the Census, appointed an advisory committee in September 1950 to evaluate the volume and to make specific recommendations affecting the question of its revision. This committee, formally designated as the Committee of the Economic History Association on the Revision of Historical Statistics of the United States, 1789-1945, was under the chairmanship of G. Heberton Evans, Jr., The Johns Hopkins University, and included the following as members: Arthur H. Cole, Harvard University; Shepard Clough, Columbia University; T. C. Cochran, University of Pennsylvania, and Solomon Fabricant, National Bureau of Economic Research, Inc. In April 1952 the committee submitted a report to the Bureau of the Census entitled "On the Revision of Historical Statistics of the United States, 1789-1945." The conclusions and comments presented in this report were subsequently influential in getting underway the project for a revised volume.

For the second edition, Historical Statistics of the United States, Colonial Times to 1957, the Bureau designated a project director who also acted as secretary of the Committee on Historical Statistics appointed by the Social Science Research Council to serve as an advisory group similar to the committee which participated in the preparation of the first edition. The Census Bureau again assumed the responsibility for publishing the volume as a part of its Statistical Abstract program. The Social Science Research Council, in turn, obtained a grant from the Ford Foundation which provided funds for the procurement of services of experts in each field. More than 125 such specialists were engaged to serve as consultants. The Council also made arrangements with some of the consultants for the preparation of bibliographic essays on statistics in selected fields, five of which were subsequently published in the Journal of the American Statistical Association.

The Problem of Historical Statistics

The scattered sources of historical statistics of the United States include the annual reports of the executive heads of the agencies of the Federal Government, reports of special Federal commissions, the U.S. census volumes, printed debates of the Congress, published reports of committees of the Congress and transcripts of hearings on important legislative measures, published reports and documents of the State governments, statistical publications of private research organizations and of the universities and colleges of the Nation, together with the great mass of statistical volumes printed by other private organizations and individuals.

It has been noted that on occasion compilers, desiring to save the time and effort required to obtain data directly from the original sources, make use of successive issues of the annual Statistical Abstract of the United States to construct long-term time series. The results of such a procedure are not always sound, since the space available in the Statistical Abstract for describing major revisions in time series may not permit adequate clarification. Of the many revised figures appearing in each issue, most revisions apply to the immediate preceding years, but revisions of much earlier years are not uncommon. Moreover, the revisions shown have followed no systematic pattern and may be scattered irregularly over many issues.

Impediments to the use of historical statistics, then, include the initial difficulty of determining whether the data in fact exist, of identifying the document in which the data may be found, of constructing time series where the data may not be arranged in suitable form, and of identifying and interpreting changes in concept and

coverage. Definitions employed in published historical tables, moreover, may have to be sought in separate publications if, indeed, they have been published at all.

Technical Notes and Explanations

Arrangement of the data. Data are arranged for broad subjects in lettered chapters and for more specific and detailed subjects in numbered series within each chapter. To facilitate reference, subject groups are organized in summary form under chapter and subchapter titles in the table of contents (p. IV). In addition, there is a detailed alphabetical subject index (p. A-10). The data are presented in conventional tabular form, each table comprising a group of subjectrelated series. Each series or tabular column is assigned a unique letter and number. The letter prefix identifies the chapter and the number represents the order of the series in the chapter. Thus the 44th series in the chapter on agriculture is designated K 44 to distinguish it from the 44th series in the chapter on transportation, Q 44. Because of possible confusion with numerals, the capital letters I and O have been omitted in identifying chapters. Source citations and descriptive text material (see below) are linked to the data series by use of the assigned series numbers.

All series begin with the most recent year for which data have been obtained and run backward in time. This arrangement was selected because it lent itself to more compact, less space-consuming presentation than the alternative of beginning with the earliest year. Insofar as possible, there are uniformly placed spaces above every year ending in 0 or 5. No data are shown for years subsequent to 1970. Figures for later years for most of the current series are presented in the Statistical Abstract of the United States beginning with the 1973 edition.

Basic guidelines. The guidelines adopted for this edition to aid Census Bureau staff members, subject matter consultants, and other participants with respect to selection and presentation of the data are quite similar to those of the last edition. As was the case then, however, the guidelines were not followed with complete rigidity. At times, the scope, variety, and complexity of the data involved made it necessary to modify the rules for the sake of clarity or internal consistency. The guidelines applied and the elements subject to application are discussed below.

Area coverage. Except as otherwise specified, data generally represent conterminous United States or the 48 States (including the District of Columbia) prior to the admission of Alaska and Hawaii to statehood and the 50 States thereafter. Asterisks on individual tables or series indicate the first year for which the figures include Alaska and Hawaii to the extent that their inclusion could be ascertained. For some series, especially in chapter K, the notes specifying inclusion or exclusion of Alaska and Hawaii appear in the text. In some instances, the sources used for data failed to specify the area covered. Where practicable, the data were examined and the appropriate qualifications were added.

Because of limitations of space, data are not generally shown for regions, States, or localities. Some exceptions were permitted, however, as noted above with respect to data for regions and States. Other exceptions were of a more specialized nature as in the following instances: Where regional statistics are helpful for correct interpretation of data, such as presentation of merchant marine statistics separately for each coast and for inland waters; where data in the subject field cannot (by definition) be summarized effectively for the United States, such as internal migration data; where summary data for a given subarea or market are indicative of general trend or level, such as prices on the New York Stock Exchange or in specified cities; where data for a given area effectively represent the national picture because of concentration of production, etc., as Pennsylvania anthracite; where data are available for only a given area as in the case of many series concerned with early American history and limited to the Atlantic seaboard.

Time coverage. In general, only annual or census-period data which cover at least 20 years are presented. A major exception was made for series covering the colonial or pre-Federal period. Other exceptions were permitted where newly developed series of recent origin were the only data available to represent an important subject field or where a short series was an important extension of other longer series.

The general requirements as to time coverage were specifically designed to permit inclusion of "lapsed" series, particularly those falling within the nineteenth century or extending into the early twentieth century. The lapsed series, which begin and terminate in the past, represent major fields of interest during various phases of American historical development; frequently they must be sought in out-of-print documents which are available in few libraries.

The identification of time-periods was complicated by failure of some sources to state whether the data were prepared on a calendar-year or on a fiscal-year basis; by shifts in time coverage from calendar to fiscal year during the period of the series, and, in some instances, by the lack of identification of the beginning or ending date of the fiscal year. In all such cases, particularly where time shifts seemed likely to have occurred, an effort was made to identify the correct basis.

Frequency of data. Annual data are given preference but certain series are presented only for years in which a national census was conducted, and, in some instances (for example, telephone and telegraph rates), only for the scattered dates for which the data are available. Where both annual figures and decennial or quinquennial benchmark or census data exist, both series are frequently shown.

Series linkage. No formal attempt was made to extend a single series back through time by linking it to another series which terminated at or near the date on which the first began. In a number of instances, however, such series are presented in adjoining columns, with an overlap for a period of years, when available.

Selection of data. The criteria of selection varied broadly, depending on a number of factors applicable to the subject matter involved. Generally, summary measures or one-dimensional aggregates at gross levels and immediately below were given highest priority for inclusion. Below such levels, selection was governed by the interplay of: The amount of space already devoted to a particular subject; the attempt to achieve a relatively balanced presentation among subject fields; the "uniqueness" (in the sense that other data did or did not fairly cover a particular subject) of the data; the quantity of data available; the quality of the data available; and the extent to which data might be related to and enhance the value of other data.

Among less discretionary factors, both area detail (see above under area coverage) and subject detail, such as cross-classifications or data for specific commodities, were held to a minimum because of space limitations. Inevitably, there were exceptions where synthesis or summarization did serious damage to the value of a series or where it was clearly more meaningful to show series for specific commodities than a group aggregate.

Presentation of absolute rather than derived data. Primary emphasis was placed on the presentation of absolute figures rather than on derived data since the absolute figures offer somewhat greater flexibility to the user. The major exception was the presentation of index numbers. In general, percentage distributions of absolute data already shown are not presented. Other percentage data, and averages, medians, ratios, and rates were used only where they resulted in a significant economy in space or where they significantly facilitated interpretation. No attempt was made to convert various series of index numbers to a base year or period other than that shown in the source. Large numbers (8 digits or more, for example) shown in the source documents have been rounded to thousands, millions, or billions for ease of use and reference only as staff resources allowed.

Omissions of data, "blank" cells. The significance of dashes in tabular cells varies from series to series. In general, the presence of cell "leaders" or "dashes" indicates merely that no information was provided. Dash entries may mean that no information exists for the given year; the entry, if shown, would be zero; the information

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was not available; or the information is believed to exist in published form but it was not practicable to do the research necessary to locate the appropriate source. The user will have to judge from the context which meaning is appropriate in each particular instance.

The practices of the various sources of information differ as to the meaning of dashes in cells, the extent to which they label data as "not available," the meaning of the term "not available," the use of the zero entry, etc. In general, the policy adopted in preparing this volume was to retain "not available" notations where they appeared for intermediate years in the series; to change them to dashes where they appeared at the beginning or end of the series. Where cells were left blank in the sources, they were filled with dashes unless there was evidence that "not available" was a more appropriate entry.

Since series of varying length taken from different sources are frequently found in adjoining columns in a table, the stub listings for years necessarily encompass the earliest and latest date for which any of the series in the table are shown. In itself, this tends to create many additional blank cells since missing entries have been replaced by dashes in order to make it easier for the user's eye to trace the entries for a given year across the entire table.

Source citations and text. For every series shown, the text notes present the source or sources of the data. In most cases, precise publication dates and page or table numbers are given. However, where numerous issues of a certain publication were used, the source citations are usually limited to "annual issues," "various monthly issues," or similar notations. The term "unpublished data" means that the data were not in published form at the time they were obtained for use in this edition. In many cases, such data were scheduled for inclusion in forthcoming publications.

Where possible the descriptive text includes definitions of concepts and terms used, and sufficient methodological and historical information to permit intelligent use of the data. For many series the text also includes reference to where more detail can be found. Unusual values in a series are explained and major changes which affect comparability are noted. Methods used for adjusted or derived figures are described, often with reference to a more complete description.

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Statistical Reliability and Responsibility

The contents of this volume were obtained from a large number of sources. All data from either censuses and surveys or based on estimates or administrative records are subject to error arising from a number of sources: Sampling variability (for statistics based on samples), reporting errors in the data for individual units, incomplete coverage, nonresponse, imputation, and processing error. The Bureau of the Census cannot accept responsibility for the accuracy or the limitations of data presented here, other than for those which it collects. Every attempt has been made, within the limits of time and available personnel, to verify and correctly identify the material. Final responsibility for selection of the material, and for its accurate and proper presentation, rests with the Bureau of the Census, even though carried out with the cooperation of many individuals and agencies who devoted much time and energy in providing data and descriptions of series for this publication.

The information presented in this volume supersedes all similar information presented in Historical Statistics of the United States, Colonial Times to 1957, and in Historical Statistics of the United States, Colonial Times to 1957: Continuation to 1962 and Revisions.

FOR ADDITIONAL INFORMATION ON DATA PRESENTED

please consult the source publications available in local libraries or write to the agency indicated in the source note in the descriptive text for the given statistical series. Write to the Bureau of the Census only if it is indicated as the source.

SUGGESTIONS AND COMMENTS

should be sent to:

The Director Bureau of the Census Washington, D.C. 20233

Summary of Selected New Series in This Edition

	Chapter and title	Number of new series	Summary of selected new series		Chapter and title	Number of new series	Summary of selected new series
A.	Population	198	Urban population characteristics (A 82-90); foreign born, by sex and race (A 105-118); population characteristics and land area, by States (A 195-263); households, by number of persons (A 335-349); inmates of institutions (A 359-371)	L.	Forestry and Fisheries	153	Forest products production, imports, exports, and consumption (L 56-71, L 87-97, L 138-165, L 178-198); fishery imports and exports (L 224-235); value of landed fish catches (L 244-253); prices received by fishermen (L 321-337)
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Н.	Social Statistics	675	Employee benefit plans (H 70-114); OASDHI (social security) coverage, benefits, and trust fund (H 186-259); Civil Service retirement (H 260-270); private philanthropy (H 398-411); schools and school enrollment (H 418-432, H 442-522); school retention rates (H 587-597); income, by years of school completed (H 648-663); illiteracy (H 669-688); doctorates, by field (H 766-787); for-	S.	Energy	124	Consumption of raw materials and fuel resources (S 15-31); privately-owned electric utility generating plants and balance sheet and income items (S 58-73, S 133-146); REA summary of operations (S 147-159); waterpower (S 160-175); natural gas consumption and gas utility industry (S 178-218)
		 	eign travel, passports issued, and foreign visitors to U.S. (H 894-951); crimes and crime rates (H 952-961); homicides and suicides (H 971-986); criminal justice expenditures (H 1012-1027); lawyers (H 1028-1062); courts (H 1063-1124)	Т.	Distribution and Services	100	Annual earnings of full-time employees (T 29-42); legal form of organization of industries (T 43-57); merchant wholesalers sales and stocks (T 375-383); index of national advertising expenditures (T 472-484)
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Summary of Selected New Series in This Edition—Con.

Chapter and title	Number of new series	Summary of selected new series		Chapter and title	Number of new series	Summary of selected new series
W. Productivity and Technological Development	60	(V 141-166); business expenditures for new plant and equipment (V 306-332) Indexes of output per man-hour and per employed person (W 22-29); funds for research and development (W 109-125, W 161-167); employment of natural scientists and engineers (W 168-180)	Y.	Government	158	Voter participation in presidential elections (Y 28-78); costs of presidential elections (Y 187-188); congressional bills vetoed (Y 199-203); Federal Government full-time civilian employment (Y 318-331); Federal grants to State and local governments (Y 638-651); selective service registrants (Y 917-926); defendants charged with violation of selective service acts (Y 927-942)
X. Financial Mar- kets and Insti- tutions	517	Flow of funds (X 1-392); sales of stocks and bonds on registered exchanges (X 517-530); savings and other time deposits, by institution (X 687-697); assets and liabilities of mutual savings banks and savings and loan associations (X 821-844); selected items of property-liability insurance (X 918-932); stock and mutual insurance companies (X 933-956)	Z.	Colonial and Pre-Federal Statistics	200	Population censuses taken in the colonies and States (Z 24-132); components of private wealth for the thirteen colonies (Z 169-191); exports to and imports from Scotland, by colonies and States (Z 227-244); commodity imports and exports, shipping earnings, and value of slaves imported (Z 286-290); vessels built in colonies and West Florida (Z 510-529)

Part 2 Chapter N—Chapter Z

For Chapter A—Chapter M, see Part 1

Construction and Housing

Construction (Series N 1-155)

N 1-60. General note.

On July 1, 1959, full responsibility for compiling and publishing value-in-place estimates for new construction was placed in the U.S. Department of Commerce. Prior to that date, the U.S. Department of Labor was responsible for the estimates of value of private house-keeping residential construction and of all public construction, and the U.S. Department of Commerce was responsible for the estimates of all other new construction, of maintenance and repair expenditures, and of expenditures in constant prices for all types of construction.

Specific definitions of the terms used here and discussion of sources and methodology are given in the source publications. New construction includes the complete, original erection of structures and essential service facilities, as well as major additions and alterations. It does not include mobile structures, special purpose equipment (e.g. steam tables in restaurants, printing presses, refrigerators and dishwashers, church pews, etc.), demolition of structures if not part of a construction contract, oil and gas well drilling, digging and shoring of mines, and farming operations such as plowing, terracing, or digging of drainage ditches.

The value of construction put in place is a measure of the value of construction installed or erected at the site during a given period. For an individual project, this includes the cost of material installed or erected, the cost of labor performed (both by the contractors and by force account employees) and a proportionate share of the cost of construction equipment used, the contractor's profit, the project owner's overhead costs, the cost of architectural and engineering work, and miscellaneous costs chargeable to the project on the owner's books.

The total value in place for a given period is the sum of the value put in place on all projects underway during this period, regardless of when work on each individual project was started or when payment was made to the contractors.

The estimates do not always conform completely to the value-inplace concept. For some categories, the published estimates represent payments made during a period rather than the value of work actually done during that period. For other categories, the estimates are derived by distributing the total construction cost of the project in accordance with fixed construction progress patterns.

Estimates of the value of new construction by States are available only for 1939-1952 in Department of Commerce, Construction and Building Materials, Statistical Supplement, "New Construction by Regions and States, 1939-1952."

Significant revisions in basic data were made for all or part of the period beginning in 1960 in four categories: New private housing units, private nonresidential buildings, farm construction, and privately owned public utilities. These revisions are noted in the text for those series.

The estimates for other series have only small revisions made necessary by the incorporation of newly available basic data.

Except as indicated in footnotes, all these series are essentially comparable back to 1946, as the result of revisions made in 1964 to establish historical comparability. For series N 1-29, two sets of data are given for 1946 in order to show comparability also between 1946 and earlier years. For a description of the revisions beginning with 1946, see Bureau of the Census, Construction Reports, series C 30-61 Supplement, October 1964.

N 1-29. Value of new private and public construction put in place, 1915-1970.

Source: 1915-1957 (except as indicated in footnote 9), U.S. Business and Defense Services Administration, Construction Statistics, 1915-1964, a supplement to Construction Review, January 1966, pp. 2-7. 1958-1970, U.S. Bureau of the Census, Construction Reports, series C 30-74-5, pp. 8 and 9, and unpublished data.

N 1-3, total new, total new private, and total new private residential construction. Series N 1 is the sum of series N 2 and N 19; series N 2 is the sum of series N 3, N 7, N 11, N 12, and N 18; series N 3 is the sum of series N 4-6.

N 4, new housing units. This series covers all new houses and apartments, including housing at all levels of value and quality, such as prefabricated units, shell houses, basement (or capped) houses, and houses built of used materials. The estimates for 1941-1970 are based on monthly reports of the value of new housing units authorized by local building permits and on monthly field surveys in a sample of areas not issuing building permits. Values in building permit reports are adjusted to reflect the construction cost of housing units in all permit-issuing places, reporting and nonreporting, to compensate for the typical understatement of costs in permits, and to allow for lapses of permits. The permit and nonpermit segments are then combined and further adjustments are made to cover architect and engineering fees and site development costs not covered elsewhere. An expenditure pattern is developed for these adjusted estimates of total costs to estimate the amount of work put in place in the months following start of construction. Beginning 1960, this series was revised to incorporate the results of new procedures and to include farm housing, which was previously included in the farm series. In this volume, series N 4 includes, and series N 11 excludes, farm housing (shown separately in the first source cited) for all years except 1958 and 1959.

For 1921-1940, the data are based mainly on the value of permits issued during each year, with rough adjustments for nonreporting permit areas and nonpermit areas and for the other items mentioned above. Only slight adjustment is made for year-to-year differences in the amount of carryover of expenditures for units started near the end of the year. The estimates for 1915-1920 are projected back from the 1921-1922 average by using link relatives indicated by year-to-year changes in the value of residential building contracts awarded as reported by the F. W. Dodge Corporation.

Residential construction expenditures for new 1 unit- and 2 or more unit-structures are presented in Construction Reports, series C 30, beginning with data for 1960. For a rough segregation of residential construction expenditures into 1- to 4-family housing and multifamily housing, see Raymond W. Goldsmith, A Study of Saving in the United States, vol. I, Princeton University Press, 1955, table R-28.

Series N 4 excludes group quarters, transient accommodations, residential units in buildings which are primarily nonresidential, new units provided by conversion of residential or nonresidential space to additional housing units, mobile homes, house trailers, and houseboats.

N 5, residential additions and alterations. This series includes all remodeling of or additions to housing units subsequent to their original completion, the construction of additional housing units in existing residential structures, the finishing of basements or attics, and

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the modernization of kitchens, bathrooms, etc. Work representing normal maintenance and repair is not included.

Private residential construction is the only type of construction activity for which the source publishes estimates of additions and alterations separately, and the data cover housekeeping structures only. For a discussion of the problems of estimating dependable data on residential additions and alterations, particularly prior to 1960, see Marvin Wilkerson, "Revised Estimates of Residential Additions and Alterations, 1945–56," Construction Review, June 1957.

N 6, nonhousekeeping residential buildings. These include fixed structures providing residential facilities other than housekeeping units, such as hotels (other than apartment hotels), motels, dormitories, nurses' homes, etc. The sources and estimating procedures are the same as those for private nonresidential building. Revised data were introduced for 1968 through 1970. They were obtained from the Bureau of the Census' newly introduced Progress Reporting Survey for the 13 Western States, and 37 Eastern States which accounts for an average of about 23 percent of this series.

See also text for series N 7-10 and series N 78-100.

7-10, new private nonresidential buildings. Estimates are based on monthly records of the value of contract awards in the District of Columbia and the 37 States east of the Rocky Mountains, as compiled by the F. W. Dodge Division of the McGraw-Hill Information Systems Company (see text for series N 78-100). These were adjusted for undercoverage, cancellations, and duplication of construction reported by public utilities. Prior to 1968, data for the 13 Western States were derived by applying an adjustment factor to the data for the Eastern States. Beginning 1968, the series are based not only on the previously used survey data for the 37 Eastern States but also on the results of the new survey covering the 13 Western States (see text for series N 6). The net effect of the new procedure was to lower the estimates for total new private nonresidential building construction for 1968 by 3.4 percent in comparison to the old method. In order to maintain a continuous series, the estimates The previfor total private nonresidential building were adjusted. ously published totals were reduced starting in 1965 and continuing through 1967, i.e., 0.1 percent decrease in March 1965, 0.2 percent in April, etc. down to the 3.4 percent decrease in December 1967. A corresponding adjustment could not be made by type of construction

Also beginning 1968, the classification system for new projects was revised from a building basis, i.e., the classification of the building itself, to an establishment basis, i.e., classification based upon the classification of the establishment at which the construction is taking place or classification of the entire project of which the individual building or subproject is part. For example, under the new classification, a cafeteria building at a hospital is classified under hospital and institutional; under the previous classification, following an adjustment in the data, it would have been classified as commercial.

Through June 1962, the adjusted value of monthly contract awards is converted to monthly estimates of expenditures on the assumption that all projects are started in the month following the contract award and on the basis of an expenditure pattern over subsequent months. Beginning July 1962 (January 1968 in the 13 Western States), monthly estimates of expenditures are derived from a monthly survey of construction progress.

N 11, farm construction, nonresidential. This series includes buildings and structures such as barns, storage houses, smoke houses, wells, fences, etc., which are constructed on places classified as farms. Annual estimates of total expenditures on farm buildings are prepared by the Economic Research Service of the U.S. Department of Agriculture. They are based chiefly on data from sample surveys of construction expenditures of farm operators for 1934–1937, 1939, 1946, 1949, 1955, and 1971. Estimates for other years are made by interpolation and extrapolation, based in part on inferences from relevant data reported in Bureau of the Census, Current Industrial Reports, and in part on regression analyses of selected series of farm income and construction expenditures for past benchmark years.

N 12, total, privately owned public utilities. This series is the sum of series N 13-17. Recent revisions for public utilities result from the incorporation of late basic data for the years 1967 through 1969 and from revision of estimating procedures in 1970.

N 13, railroad. Railroad estimates are based on an annual summary of construction expenditures prepared by the Interstate Commerce Commission from reports by all Class I railroads which account for over 95 percent of all railroad expenditures. These data are adjusted to include estimates for Class II railroads based on ICC data on railroad investment in roads and equipment. Prior to 1955, local transit estimates of capital and maintenance expenditures were included from the annual Transit Fact Book of the American Transit Association. Outlays by municipally owned transit companies were deducted from these expenditures. The estimates for 1955–1958 are projections based on an assumed gradual decline in expenditure from the 1954 level to zero in 1959. For both railroads and local transit, the estimates for 1915–1921 are extrapolations based on miles of track added or rebuilt.

N 14, petroleum pipeline. Capital expenditures on pipelines for 1919–1970 were obtained from reports filed with the Interstate Commerce Commission. Adjustment was made for the purchase of existing lines and for expenditures by companies not required to file information with the Commission on the basis of data on gross capital investment compiled by the Chase Manhattan Bank. Only rough estimates by the Bureau of Foreign and Domestic Commerce are available for 1915–1918.

N 15, electric light and power. Annual estimates are based on reports to the Federal Power Commission by privately owned electric companies and on data reported to the Rural Electrification Administration by REA cooperative companies. For 1937–1970, annual additions to electric plants reported to the Federal Power Commission were adjusted to include small companies not reporting and to allow for work in progress and existing property purchased. For 1921–1936, data from the Edison Electric Institute were used. For 1915–1920, the data are based on an estimated year-by-year distribution of the 5-year increments in plant and equipment derived from data reported in the Census of Electrical Industries for 1912, 1917, and 1922.

N 16, gas. Annual estimates are based on reports to the Federal Power Commission and data compiled by the American Gas Association. For 1929–1970, annual data published by the American Gas Association were adjusted to eliminate equipment expenditures. For 1915–1928, estimates were obtained by extrapolation on the basis of year-to-year changes in the fixed capital accounts of 50 large gas companies.

N 17, telephone and telegraph. Estimated construction expenditures of the telephone industry for 1915–1970 were obtained from the American Telephone and Telegraph Co.; they include expenditures for Bell System companies and estimates for independent companies. Construction expenditures of the telegraph industry were derived from capital expenditures reported by the Western Union Telegraph Co. for 1927–1970 and by the Postal Telegraph and Cable Co. for 1919–1943. Extrapolation back to 1915 was made on the basis of annual increments in the value of plant and equipment.

N 18, all other private construction. This series includes unclassified items such as private dams and reservoirs not constructed by public utility companies, sewer and water installations, roads, bridges, parks and playgrounds, and airfields.

N 19, total new public construction. This series is the sum of series N 20-21 and N 25-29. The distinction between private and public construction is made on the basis of ownership rather than source of funds. Some types of private institutional construction involve Federal, State, or local aids to projects built by nonprofit organizations. To this extent, the public construction estimates do not account for all public expenditures for new construction.

N 20, public residential construction. The estimates are based on reports of the Public Housing Administration, the New York City Housing Authority, and other State and local agencies. They include direct Federal construction during World War I, the depression of the 1930's, and the defense and World War II periods (1940's); the Federal low-rent public housing program initiated in 1937 and executed by State and local agencies with Federal loans and grants; similar programs executed by State and local agencies without Federal aid; and the Veterans Temporary Re-Use Housing Program of the Federal Government initiated in 1945 and terminated in 1950. For the number of housing units under the major programs, see series N 180-191.

Most of the estimates for federally owned construction are based on monthly reports from Federal bureaus and agencies administering residential construction programs. In a few instances, they are based on information presented in the Federal budget documents.

For State and local residential construction prior to 1963, the estimates are based on contract award data compiled from various sources, such as the F. W. Dodge Corporation, the Public Housing Administration, regional offices of the Housing and Home Finance Agency, and State and local agencies responsible for construction of public housing. For 1963–1968, the estimates are based on quarterly expenditures data obtained by the Census Bureau in its quarterly survey of construction expenditures of State and local governments. Beginning 1968, they are based on monthly data on new construction expenditures of State and local governments collected by the Census Bureau in a monthly survey inaugurated with reports for October 1968.

N 21-24, public nonresidential buildings. Series N 21 is the sum of series N 22-24. For Federal construction and State and local projects under Federal-aid programs, the estimates are based on reports of Federal agencies since 1941. For prior years, and for public construction other than Federal or Federal-aid projects prior to 1963, they were derived from the compilations of contract awards by the F. W. Dodge Corporation, adjusted as explained in the text for series N 7-10. For years beginning 1963, see text for series N 20.

N 25, military facilities. This series covers certain construction owned by the Department of Defense, such as troop housing, administration and training buildings, warehouses, mess halls, recreation centers, educational facilities, airfields and airport buildings, missile sites, etc. It also covers construction of Coast Guard facilities.

Estimates for 1940–1970 are based on monthly reports by the Department of Defense. Navy Department construction expenditures for 1915–1936 were derived from special tabulations of the Bureau of Supplies and Accounts. Expenditures of the Navy for 1937–1939 and the War Department for 1915–1939 are based upon expenditures shown in various issues of Bureau of the Budget, Budget of the United States Government.

N 26, highways, roads, and streets. This series includes streets, bridges, vehicular tunnels, viaducts, and forest and park roads owned by Federal agencies other than the Department of Defense. It also includes the following items if built in connection with a Federal road: Culverts, right-of-way drainage, erosion control, lighting, guard rails, and earthwork protective structures.

For 1921-1962, estimates for State-administered highways are based on annual reports of the Bureau of Public Roads adjusted to include expenditures by county, municipal, and other local bodies. The adjustments are based upon ratios developed from the analysis of total highway construction and State highway construction. For years beginning 1963, see text for series N 20. Estimates for 1915-1919 were derived from the 1920 Yearbook of Agriculture. The 1920 estimates were obtained by straight line interpolation.

N 27, sewer and water systems. For 1915–1942, estimates are based upon data published annually in Bureau of the Census, Financial Statistics of Cities. Using the expenditure patterns of the city-size groups reporting, expenditure ratios were derived for the smaller municipalities and rural incorporated areas. For 1943–1962, estimates are based upon contracts awarded as reported by the F. W. Dodge Corporation with adjustments for undercoverage. For years beginning 1963, see text for series N 20.

N 28. conservation and development. For 1915-1942, expenditures for reclamation, improvement of rivers and harbors, and flood control work were derived from annual reports of the Corps of Engineers and the Bureau of Reclamation. The fiscal-year basis of the reports was converted to calendar year by taking one-half of the figure for each fiscal year included within that calendar year. For 1943-1970, estimates are based upon project reports furnished by the same two agencies. Tennessee Valley Authority expenditures are available in its annual reports. For Bureau of Indian Affairs. Forest Service. National Park Service, Soil Conservation Service, Bonneville Power Administration, Office of Saline Water, Southwestern Power Administration, International Boundary and Water Commission, and St. Lawrence Seaway Development Corporation, expenditures were derived from special tabulations prepared by those agencies and from the Office of Management and Budget, Budget of the United States Government.

The estimates, with minor exceptions for earlier years, refer only to expenditures by the Federal Government. State and local government expenditures for this type of construction are included in "All other public," series N 29.

N 29, all other public construction. This series combines "miscellaneous public service enterprises" and "all other public construction" shown separately in the source. Construction expenditures by Federal agencies not included in other series are, for the most part, based on monthly or quarterly reports of the agencies or, in cases of minor or occasional construction work, derived from fiscal-year data in the Office of Management and Budget, Budget of the United States Government. Outlays for municipal public service enterprises prior to 1963 were obtained directly from the municipalities or estimated from information reported in Bureau of the Census, Financial Statistics of Cities. Miscellaneous public construction estimates prior to 1963, other than those of the Federal Government, were derived primarily from reports of contracts awarded, compiled by the F. W. Dodge Corporation, from the Engineering News-Record, and from other publications reporting contract awards. For years beginning 1963, see text for series N 20.

N 30-60. Value of new private and public construction put in place, 1957-59 dollars, 1915-1970.

Source: 1915-1959, see first source for series N 1-29, pp. 8-12. 1960-1970, U.S. Bureau of the Census, *Construction Reports*, series C 30, various issues.

Measurement of construction expenditures in constant prices is an indirect way of approximating changes in the physical volume of construction. These estimates are based on a deflation of each type of construction by an appropriate construction cost index. For a description of the cost indexes used for each type of construction, see the source publication.

These series, revised back to 1947 on a 1967 constant dollar base, are scheduled for issuance in 1975.

Beginning 1946, data are not entirely comparable with those for earlier years; see text for series N 1-29.

N 61. Construction expenditures for maintenance and repair, 1915-1963.

Source: See first source for series N 1-29.

The estimates are, in general, much less reliable than those for new construction and, to judge from past revisions and occasional partial surveys, probably understate actual expenditures.

Estimates of nonfarm residential building for 1947–1963 are based on the annual Survey of Consumer Finances of the Board of Governors of the Federal Reserve System, the consumer expenditure survey for 1950 by the Bureau of Labor Statistics, and a 1950 survey of outlays of owners of tenant-occupied dwelling units by the Office of the Housing Expediter (conducted for purposes of rent control). Data for earlier years are based on estimates of the value of all residen-

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tial properties and on ratios of maintenance and repair expenditures to value. These ratios were derived from various studies, such as surveys of consumer purchases by the Department of Agriculture and the Department of Labor, and wartime surveys made for purposes of rent control.

Estimates for nonresidential building are based on corporate income tax returns covering manufacturing activities; cost analyses for office buildings in the National Association of Building Owners and Managers, *Experience Exchange Reports*; and reports by State school agencies to the Office of Education.

Other maintenance expenditures were estimated from the same sources used for the new construction figures. See text for series N 11-18 and N 21-29.

The source also presents maintenance and repair expenditures for major classes of construction. Beginning 1964, maintenance and repair expenditures are available for residential construction only; see Bureau of the Census Residential Alterations and Repairs, series C 50.

N 62-65. Expenditures for private nonfarm residential building, 1889-1921.

Source: Robert E. Lipsey and Doris Preston, Source Book of Statistics Relating to Construction, National Bureau of Economic Research (NBER), New York, 1966, pp. 35-38 (copyright).

New housekeeping units data, series N 62-63, are from David M. Blank, The Volume of Residential Construction, 1889-1950, Technical Paper 9, NBER, 1954, table 18. Blank's estimates were intended primarily to extend the official current dollar series (see series N 4), which begins in 1915, to earlier years. Blank presented his data for 1915-1920 as an improvement over the official series, and accepted the official series beginning 1921. Although Blank's estimating procedure was, in general, the same as that used for series N 4, more comprehensive source material and more refined techniques were used for the Blank estimates.

Blank estimated the permit value of new construction from Bureau of Labor Statistics-Works Progress Administration permit data by the same methods used in the Bureau of the Census Construction Reports (C 20), except that the calculation for all nonfarm housing units had to take account of the fact that rural nonfarm units had lower average values than urban nonfarm units. The permit valuations were then increased to allow for undervaluation of construction costs and to cover architects' and engineers' fees, land development costs, and builders' profit margins on construction operations. They were then converted to a construction-put-in-place basis, by extending the carryover of construction from one year to the next.

The constant dollar series was derived by deflating the current dollar data by a construction cost index developed by Blank. The index for 1910–1921 is based on the Boeckh index of residential construction. Earlier years are extrapolated by indexes of building-trade wage rates and building materials prices.

Data for additions and alterations to housekeeping units, series N 64-65, are from Leo Grebler, David M. Blank, and Louis Winnick, Capital Formation in Residential Real Estate: Trends and Prospects, NBER, 1956, pp. 40-52, 336, and 362. Additions and alterations are defined as in the Commerce series (see series N 61). Official Commerce estimates were carried back from 1921 by a crude graphic extrapolation using the movement of housekeeping construction expenditures but reducing the amplitude of fluctuation.

N 66-69. Value of new public construction put in place, by ownership and source of funds, 1915-1970.

Source: 1915–1946 (comparable with earlier years), U.S. Departments of Labor and Commerce, "Construction Volume and Costs, 1915–1946," statistical supplement to Construction Review, 1958, p. 10; 1946 (comparable with later years), U.S. Business and Defense Services Administration, "Construction Statistics, 1915–1964," supplement to Construction Review, January 1966, p. 14, and unpublished data; 1963–1970, U.S. Bureau of the Census, Construction Reports, series C 30, and unpublished data.

The sources also present detailed data by types of public construction. For bases of estimates, see text for series N 20-29.

N 70-77. Expenditures for new construction, private residential and nonresidential and public, in current and constant (1929) dollars, 1869-1955

Source: Robert E. Lipsey and Doris Preston, Source Book of Statistics Relating to Construction, National Bureau of Economic Research (NBER), New York, 1966, pp. 29-32, 35-36, and 39-40 (copyright).

These series are a selection from the large number of annual estimates, partly unpublished, which underlie the five-year moving averages published with explanatory notes in Simon Kuznets, Capital in the American Economy: Its Formation and Financing, Princeton University Press for NBER, 1961.

N 70-71, total new construction. Kuznets' current price figures for 1952-1955 are U.S. Department of Commerce estimates of "Total New Construction Activity" plus "Petroleum and Natural Gas Well Drilling" from the Survey of Current Business, July 1956, table 31, p. 22. The constant (1929) price estimates for 1953-1955 were calculated, for private construction, from the current price estimates and an implicit price index derived from current and constant dollar figures in the Economic Report of the President, January 1956, pp. 165 and 168, and for public construction, by extrapolating the 1952 estimate by the constant price series in Construction Review, October 1956, p. 18.

For earlier years, Kuznets calculated total gross construction as the sum of (1) cost of oil and gas wells drilled and (2) all other construction.

The cost of oil and gas wells drilled in current prices was obtained as follows: For 1889-1928, the Kuznets' data were calculated by multiplying the series in 1929 prices by the price index for petroleum pipe lines. For 1915-1928, this price index was calculated from Business and Defense Services Administration (BDSA), Construction and Building Materials, Statistical Supplement, May 1954, pp. 33 and 82; it was extrapolated back from 1915 by the total construction cost index described in Kuznets, National Product Since 1869, NBER, 1946, table IV-4. For 1929-1938, this index was calculated from Office of Business Economics (OBE), National Income, 1954 edition, p. 209; 1939-1945, from BDSA, Construction and Building Materials . . . , p. 56; and 1946-1955, from OBE, U.S. Income and Output, 1958. The Commerce Department (BDSA and OBE) estimates represent all costs of drilling, including the cost of casings. The cost of installed production equipment, such as flowing and pumping equipment, is excluded. The figures are based on the cost of drilling oil and gas wells, as reported in the Census of Mineral Industries, 1939 and 1958, interpolated and extrapolated by annual data on the number of wells completed and on average cost per well.

The calculations for "all other construction" in current prices were as follows: 1889–1918: Calculated by multiplying the series in 1929 prices by the underlying price index. The latter was computed for 1915 and later years from Construction and Building Materials..., pp. 33 and 82, and was extrapolated from 1915 by the total construction cost index described in Kuznets, National Product..., table IV-4, notes to line 1. 1919–1951: Sum of (a) new private nonfarm residential construction including additions and alterations and excluding nonhousekeeping, from Grebler, Blank, and Winnick, Capital Formation ... (cited in text for series N 62-65), appendix B, table B-6, and (b) all other new construction, from Construction and Building Materials..., tables 2 and 3.

The cost, in 1929 dollars, of oil and gas wells drilled was calculated as follows: Kuznets' data for 1889–1918 were extrapolated from the 1919 figure by the number of wells drilled each year (see pp. 526–527 of Kuznets, Capital in the American Economy..., for derivation). For 1919–1928, data were extrapolated from the 1929 figure by the series described in Kuznets, National Income and Its Composition, 1919–1938, NBER, 1941, p. 645. This series is based on individual State data for number of wells drilled and 1935 costs. For 1929–1945, Kuznets used the Commerce series in current prices divided

by the price index for petroleum pipelines, calculated from *Construction and Building Materials...*, pp. 33 and 82, and adjusted to a 1929 base. For 1946–1955, the sources used were the same as for the current price series.

The value of "all other construction" in 1929 dollars was calculated as follows: 1889–1914: Output of construction materials for domestic consumption, multiplied by 1.54056, the ratio of new construction to cost of construction materials consumed in 1919–1933. The method of estimation is described in Kuznets, Capital in the American Economy, table R-30, notes to column 10, and Kuznets, National Product..., table II-5, notes to column 7. For data on output of construction materials, see William H. Shaw, Value of Commodity Output Since 1869, NBER, 1947 (series D 7). 1915–1920: Sum of (1) new private nonfarm residential construction including additions and alterations, in Grebler, Blank, and Winnick, Capital Formation..., appendix B, table B-6, and (2) other new construction from Construction and Building Materials..., tables 15 and 16, adjusted to 1929 prices. 1921–1952: Given in Construction and Building Materials..., tables 15 and 16, adjusted to 1929 prices.

N 72-73, private nonfarm residential building. Gross private nonfarm residential construction is composed of housekeeping residential construction plus additions and alterations.

Current dollar figures were taken from the following sources: 1889–1920: New construction, from David M. Blank, The Volume of Residential Construction 1889–1950, table 18, plus a rough estimate of additions and alterations from Leo Grebler, David M. Blank, and Louis Winnick, Capital Formation..., table D-2, p. 363. The new construction series was built up originally from the BLS-WPA building permit surveys (see Blank, The Volume of Residential Construction, p. 33). Blank estimated the permit value of construction started and the total cost of construction started. He then converted construction started to construction put in place, by using an estimate of the average carryover into the following year of construction started in a given year (ibid., pp. 52–56). 1921–1952: BLS-Commerce estimates published in Construction and Building Materials..., p. 6, and Survey of Current Business, July 1956, table 31.

The constant (1929) dollar figures were calculated as follows: The series in current prices was deflated by residential construction cost indexes. For 1889–1952, the index in Grebler, Blank, and Winnick, Capital Formation..., table B-10, column 1, was used. This is the Boeckh residential construction cost index extrapolated back from 1910 by building-trade wage rates and building material prices. The index for 1953–55 was the index implicit in the series for all private residential nonfarm building (including nonhousekeeping) in 1947–49 prices, Construction Review, September 1956.

N 74-75, private nonresidential construction. These series were calculated as a residual by subtracting from Kuznets' Capital in the American Economy total new construction series, C 1 and C 2 (here identified as series N 70-71), his series on gross private nonfarm residential building, C 3 and C 4 (series N 72-73), gross nonmilitary public construction, C 7 and C 8 (series N 76-77), and gross military construction (an earlier version of BLS-Commerce series C 55 and C 56); see source.

N 76-77, public construction. Current dollar figures were taken from the following sources: 1889-1914: Sum of separate estimates for Federal, State, and local governments. The Federal Government series are derived mainly from those published in U.S. Bureau of the Census, Historical Statistics of the United States, 1789-1945, 1949, and the State and local government series are derived mainly from the Census Bureau's publications on government finances. A detailed description is given in Kuznets, Capital..., notes to table R-30, pp. 580-584. 1915-1955: BLS-Commerce estimates published in Construction and Building Materials..., table 3 ("total public construction" minus "military facilities"), and Survey of Current Business, July 1956, table 31.

The constant (1929) dollar figures were taken from the following sources: 1889-1914: The components of the current price series were

converted to 1929 prices by separate price indexes, each derived by extrapolating that implicit in the estimate for 1915 by the cost of construction index described in National Product..., table IV-4, notes to line 1. (See Kuznets, Capital..., table R-30 notes for further detail.) 1915–1955: BLS-Commerce estimates, from Construction and Building Materials..., table 16, adjusted to a 1929 price base, and extrapolated from 1952 to 1955 by the series in 1947–49 prices given in Construction Review, September 1956, table 4, p. 11.

N 78-100. Construction contracts awarded (Dodge)—value, and floor space of buildings, by class of construction, 1901-1970.

Source: 1901-1924, Robert E. Lipsey and Doris Preston, Source Book of Statistics Relating to Construction, National Bureau of Economic Research, New York, 1966, pp. 15-21 (copyright); 1925-1970, F. W. Dodge Division, McGraw-Hill Information Systems Company, New York (propriety data provided by special permission).

These series, except the part of residential buildings comprising privately owned one- and two-family houses, are based upon daily reports by the F. W. Dodge field staff. This field staff contacts owners, architects, engineers, contractors, financial institutions, real estate brokers, and others able to supply reliable information on construction projects. The series include new construction, additions, and major alterations within 60 days of work start. They exclude maintenance and repair work, farm building, ship building, and a part of force-account work done by firms and public agencies.

Geographic coverage has been increased in several steps since the series began. The earliest data beginning 1901 cover total construction in the New England States. Data covering 27 northeastern States and the District of Columbia are available from 1910; the addition of nine southern States between 1920 to 1923 brought the total to 36. Texas was added in 1924. The 37 States covered then excluded Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, and California. For the remaining 11 western States, information gathered from permit places, publications, and a sample of areas was used. From 1956 to 1969, the 48 conterminous States were covered; beginning 1970, all 50 States.

Valuation represents, as nearly as possible, actual construction costs, including subcontracts for such items as plumbing, heating, electrical work, roofing, and normal connecting utilities, and excluding land and architects' fees. Cost of industrial equipment not an integral part of the structure is excluded, except for special purpose equipment in petroleum refineries; outdoor chemical plants; electrical generating, power, and heating plants; and water and sewage treatment plants.

Floor space figures represent footage under roof, exclusive of basement. Where building permit data are the basis of the statistics, floor area is estimated from construction costs, with local building cost differentials applied to nationally established cost-per-square-foot

N 101-110. Construction bidding volume (Engineering News-Record), by type, 1913-1970.

Source: Engineering News-Record, McGraw-Hill Inc., New York, various issues (copyright).

Data are based on daily reports by a field staff in 50 States and the District of Columbia. For 1963 to 1970, they consist of low bids for public construction and contract awards for private construction. Excluded are homebuilding, design-and-construct contracts (under which the contractor is responsible for design as well as the construction) and projects of investment builders or owner-builders serving as their own general contractors. They thus exclude a large proportion of chemical process and powerplant (design-and-construct) contracts and substantial volumes of commercial and apartment projects handled by owner-builders. Beginning 1963, data cover only projects reported by *Engineering News-Record* as new plans and which have advanced to the low bid or contract award stage. Al-

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though data prior to 1963, which are contract awards, are not strictly comparable with later data, the earlier and later figures are adequately comparable in coverage to describe long-term trends consistently for the separate series. In the aggregate they represent over 65 percent of the annual volume reported by series N 78-89. The following types of construction are included: Water supply, sewers and waste disposal, bridges, streets and roads, earthwork and waterways, public buildings, multiunit residential structures, commercial building, industrial plants, and an unclassified category. Only larger projects are included, and the minimum cost of projects covered by the reports has varied over time. For 1963 to 1970, the minimum cost of projects covered was: \$100,000 for public works other than buildings, industrial and unclassified; \$500,000 for buildings other than industrial. Because of the emphasis on heavy engineering works and the difference in geographic coverage, as well as other reasons, the data are not comparable to series N 78-89.

N 111-117. General note.

While comprehensive estimates of construction expenditures by types of construction, such as presented in series N 1-29, are generally preferred for most purposes, building permit data are available for a considerably longer period. Permit values are based on estimates by builders of the costs of building for which permits are granted or plans filed. Permit data generally cover private, rather than public, construction; building, rather than nonbuilding, types of construction; and are generally limited to construction within the corporate limits of the cities covered. On the average, the cost of the projects covered is underestimated; small projects are generally not covered at all. Permit data are less frequently available for smaller cities and for earlier years. It follows that building permit data in unadjusted form are unsatisfactory as measures of the total absolute volume of new construction. Permit data are often more satisfactory when used in the form of relatives or indexes of permit values, as in the case of series N 111-114.

Although the absolute amount of construction activity is not adequately indicated by early permit data, the data clearly indicate the presence and approximate timing of cycles in private building. However, the relatively few cities upon which permit indexes are based during the earlier years suggests caution in the drawing of quantitative conclusions, particularly as to the amplitude of building cycles. Nonbuilding construction of various types and public building construction have fluctuated somewhat differently from building permit indexes, so that the data available for the analysis of cycles in total new construction over an extended period of years are particularly inadequate. The mere comparison of the various series on building permits purporting to measure roughly the same type of activity should warn the user against placing too much confidence in the data.

N 111. Index of new building permit values (Long), 1868-1939.

Source: Clarence D. Long, Jr., Building Cycles and the Theory of Investment, Princeton University Press, 1940, pp. 213-223 (copyright).

This index was obtained by averaging the monthly indexes given in the source. The number of cities covered by the index has ranged from 1 to 37 (or 33 if all the boroughs of New York City are combined). For a list of cities and years covered, see source. The aggregate permit volume each year was divided by the aggregate volume for the same cities in 1930. For additional explanation, see general note for series N 111-117.

N 112-113. Index of new building permit values (Newman), 1875-1933.

Source: William H. Newman, "The Building Industry and Business Cycles," *The Journal of Business of the University of Chicago*, vol. VIII, No. 3, pp. 63-71, copyright, University of Chicago.

These are annual indexes and annual averages of monthly indexes. Series N 112 is based on Bradstreet's building permit values, 120 identical cities, 1911–1933; Babson's monthly values of building permits in 20 cities, 1903–1910; Ayres' permits in 50 cities, 1900–1902; and permit data from 13 cities, 1875–1900. Series N 113 is obtained from series N 112 by the use of the following building cost indexes: The American Appraisal Co.'s building construction cost index, 1913–1933; an arithmetic average of the American Appraisal Co.'s cost indexes for frame, brick, and reinforced concrete buildings, 1900–1913; and an average of the frame- and the brick-building cost indexes, 1875–1900. For additional explanation, see general note for series N 111–117.

N 114. Index of new building permit values (Riggleman-Isard), 1830-1933.

Source: Miles L. Colean and Robinson Newcomb, Stabilizing Construction: The Record and Potential, McGraw-Hill, Inc., New York, 1952, appendix N, table 2 (copyright).

This index is based on the per capita value of building permits as estimated in an unpublished doctoral dissertation by John R. Riggleman, Variations in Building Activity in United States Cities, Johns Hopkins University, 1934. The data cover Manhattan, Boston, and Washington, D.C., from 1830 through 1848. The coverage then increases gradually to a total of 10 cities in 1868, which were augmented to cover 70 cities in 1900 and subsequent years (counting the 5 boroughs of New York City separately). For the cities covered, see the source, appendix N, table 4, footnote c, p. 240. By eliminating the population adjustment and weighting the data on the basis of the relative volume of activity from 1920 to 1929 in the areas covered, Isard developed a series more comparable to that of Long (series N 111) in general movement (see Walter Isard, The Economic Dynamics of Transport Technology, unpublished doctoral dissertation, Yale University, 1947). The data back to 1830 have decreasing credibility.

N 115. Index of dollar volume of new construction (Newcomb), 1868-1914.

Source: See source for series N 114, appendix N, table 3.

This index is based on a 3-year moving average of the figures for series N 114 for 1868–1878, and on a 3-year moving average of the figures for series N 111 for 1879–1914, adjusted by (1) weighting residential building at one-third instead of approximately one-half used by Long, series N 111, and (2) changing the base to 1920–29 =100. The purpose of these adjustments by Robinson Newcomb of the original series is to make their year-to-year movement more closely comparable to that of construction expenditures which fluctuate less than building permits, and to reduce the weight of residential construction for early years to that found in the official estimates of construction expenditures beginning in 1915, series N 1–29. Newcomb notes that the index figures for 1868–1914 are suggestive only, since the raw data are not sufficient for a reliable index. The source extends the index to 1951 by using the official estimates of construction expenditures, series N 1–29.

N 116-117. Index of urban dwelling units (Blank), 1870-1929.

Source: David M. Blank, The Volume of Residential Construction, 1889-1950, National Bureau of Economic Research, New York, Technical Paper 9, 1954, table 11 (copyright).

This index is based on building permit data covering Manhattan for 1870-1874 and gradually augmented to cover 67 cities in 1900 and 314 in 1929. For list of cities and years covered, see source, table 23. This is a chain index computed by first deriving relatives of the aggregate number of dwelling units authorized and the aggregate permit valuation of such units in identical cities in the sample between pairs of successive years. The data are unadjusted for

lapses of building permits (with certain exceptions for New York City) and for understatement of valuations in building permits. The valuations are not converted to a work-put-in-place basis to reflect construction expenditures.

N 118-137. Construction cost indexes, 1913-1970.

Source: U.S. Bureau of the Census. 1915–1968, unpublished data. The indexes for series N 132, 1915–1968, series N 133-134, 1946–1968, series N 135, 1962–1968, and series N 136, 1967 and 1968, were provided on a 1967 base by the source agencies; all other indexes, except series N 137, represent conversions of those given on a 1957–59 base in U.S. Business and Defense Services Administration, Construction Statistics, 1915–1964, pp. 58 and 59, and in Bureau of the Census, Construction Reports, series C 30, various issues. 1969 and 1970, Construction Reports, series C 30-74-7, p. 8. Series N 137, see source for series N 114, appendix Q.

Construction cost indexes are useful in the conversion of construction expenditure data from current prices to constant prices and in the study of cost trends. However, no single cost index is satisfactory for all types of construction since the movements of cost differ for different types of construction. Series N 118, however, is a composite index weighted by the relative importance of the major classes of construction.

Construction cost indexes generally are not fully adequate for the making of cost comparisons over an extended period of time. Changes in the productivity and the proportions used of the various productive factors cannot be allowed for easily in the assignment of weights to labor, materials, and other cost items. An aggregative index proportional to the total construction cost of a standardized project, or a component part thereof, is not easily computed for most types of construction and suffers from the disadvantage of the probable eventual obsoleteness of any adequately specified standard project. For further discussion, see chapter IV of source cited above for series N 137; Lowell J. Chawner, "Construction Cost Indexes as Influenced by Technological Changes and Other Factors," Journal of the American Statistical Association, 1935, vol. 30, pp. 561–576; and Leo Grebler, David M. Blank, and Louis Winnick, Capital Formation in Residential Real Estate, Princeton University Press, 1956, appendix C.

N 118, Department of Commerce composite cost index. This index is a combination of various indexes weighted by the relative importance of the major classes of construction. It is an implicit index computed by dividing the total estimate of new construction activity in current prices by the total expressed in 1967 prices. Since the total in 1967 prices is obtained by adding the estimates for the separately deflated classes of construction, the composite cost index is the equivalent of a variably weighted index, reflecting changes not only in the component indexes, but also in the relative importance of the major classes of construction which are used as weights. For 1945–1970, the index is an average of the 12 monthly indexes.

N 119, American Appraisal Company index. This index is compiled on the basis of a detailed bill of quantities of material and labor required for four representative types of buildings-frame, brick, concrete, and steel-with allowances for contractor's overhead and profit, in various cities throughout the United States. Workmen's compensation and liability insurance, unemployment insurance, and old-age pension factors are included. The index covers the structural portion of the buildings, but does not include the fixtures such as plumbing, heating, lighting, sprinkler systems, and elevators. material and labor costs are recomputed monthly in accordance with average prices and wages supplemented by personal investigation of appraisers and information from clients and others as to actual costs. These computations automatically result in weighted averages for the individual buildings. Arithmetic averages are computed for the individual buildings and cities to obtain the city and national averages. The latter covers 24 cities prior to 1925 and 30 cities since that time. The index reflects changes in average price levels but does not reflect costs resulting from overtime wages and bonuses during boom periods or sacrifice prices and omissions of overhead costs and profits during depression periods.

N 120, Associated General Contractors index. This index is a combination of indexes of wages and materials weighted in the proportion of 40 percent for wages and 60 percent for materials. Wages used in computing this index are for hod carriers and common laborers, and the material prices are those for sand, gravel, crushed stone, portland cement, common brick, lumber (each with a weight of one), hollow tile (weighted $\frac{1}{2}$), and structural and reinforcing steel (each with a weight of $\frac{1}{2}$). Wages and prices are reported by the 12 district offices of the Association as of the 15th of each month.

N 121-123, E. H. Boeckh and Associates indexes. are based on separate computations for 10 types of buildings in 20 cities (comparable indexes are available from the compilers for a total of more than 40 cities). The basic list of items covered includes current local prices for common brick, common lumber, portland cement, structural steel, common labor, brickmasons, carpenters, structural ironworkers, plasterers, and miscellaneous which includes many specialized items such as heating and plumbing equipment, paint, glass, and hardware. Wage rates are adjusted to reflect efficiency of local labor. State and local sales taxes and Social Security payroll taxes are included. The weights assigned to the different items vary among the 10 types of buildings. An unweighted arithmetic average of the individual indexes for the 20 cities for each of the 10 types of buildings has been computed and these have been further consolidated into the 3 series shown here. The residential index is an unweighted average of the indexes for frame residences and for brick residences; the apartment, hotel, and office building index is an unweighted average of the indexes for brick and wood, brick and concrete, and brick and steel apartment, hotel, and office buildings; the commercial and factory buildings index is an unweighted average of the indexes for wood, steel, brick and wood, brick and steel, and brick and concrete commercial and factory buildings.

N 124-125, Engineering News-Record indexes. The index of construction costs is comprised of (1) steel, which until 1938 was the base price of structural steel shapes at Pittsburgh and, beginning in 1938, is a weighted average of steel prices at Pittsburgh, Gary, and Birmingham; (2) cement, which until 1948 was the consumers' net price, f.o.b. Chicago, and, beginning in 1948, is the ENR 20-city average of bulk cement prices; (3) lumber, which until 1936 was 12 x 12 long leaf yellow pine, wholesale, at New York, and beginning in 1936 is a composite 20-city price average of 2 x 4 Douglas fir and southern or local pine in carload lots; and (4) common labor rate paid in the steel industry for 1913-1920 and since 1920 the average common labor rate in construction (ENR 20-city average of wage rates in force). The 4 components are weighted according to their relative importance in the national economy in 1910, 1913, 1916, and 1919. The index of building costs is identical to the index of construction costs for all components except wage rates, where the trend of skilled labor wage rates is substituted for common labor wage rates. For a detailed description of these two indexes, see U.S. Office of Business Economics, Business Statistics, 1971 edition, p. 53.

N 126-127, Economic Research Service farm construction cost indexes for farm housing and other farm construction. This is a weighted index of farm wage rates and prices paid for materials. In compiling the index of farm housing construction costs, prices paid by farmers for building materials are given a weight of 73 percent, farm wage rates a weight of 27 percent. For other farm building construction, the corresponding weights are 78 and 22 percent. The wages paid by farmers for labor for building construction and repairs are higher than the wages paid for ordinary agricultural labor, but they probably fluctuate more comparably to farm labor wage rates than to urban union wage rates.

N 128, George A. Fuller Company index. This is a composite index of 36 major cost elements, in 3 commercial type buildings, including structural elements, elevators, wiring, heating, plumbing, ventilating, and employee benefit costs. The index is adjusted for

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changes in productivity from job-cost reports showing the number of man-hours of skilled and unskilled labor required. The indexes are simple averages of the quarterly indexes from the job-cost reports made by the compiler.

N 129-131, Handy-Whitman public utility construction cost indexes (compiled by Whitman, Requardt and Associates, Baltimore). These indexes measure changes in construction costs of utility buildings, gas plants, and electric plants. Cost trends of reinforced concrete utility building construction and brick utility building construction are reported semiannually by geographic regions. A single index is computed by averaging the figures for the first, middle, and end of each year for each region and then combining the regions for a United States average. Cost trends of gas plant construction and of steam-operated electric plant construction are also reported semiannually by geographic regions. A single index for each is computed in the same manner as for utility buildings.

N 132, Interstate Commerce Commission railroad construction cost index. The index is the weighted average for the entire United States of 31 separate indexes for individual operations important in railroad construction. Separate indexes covering items such as grading, tunnel excavation, bridges, ballast haul, and tracklaying and surfacing, were developed largely from analysis of major construction contracts covering a period of more than 30 years. The indexes for materials accounts—such as ties, rails, other track material, ballast, and fences—were based on studies of carriers' returns, joint studies made with the various railroad committees, well-known engineering and trade publications, contracts covering major construction projects over a period of 30 years, and other information furnished by individual carriers.

N 133-134, Bell System Telephone plant indexes. The American Telephone and Telegraph Company compiles separate annual cost indexes for construction of telephone company "buildings" and "outside plant," e.g. poles, cable, aerial wire, and underground conduits. These indexes represent changes in the total installed cost of telephone buildings or plant. The "outside plant" index reflects the effect of price changes in the cost of telephone apparatus and the cost of associated installation and engineering.

N 135, Federal Highway Administration index. This index is based upon a record of quarterly variations in contract unit bid prices maintained by the Federal Highway Administration and its predecessor, Public Roads Administration, since 1922. Cost indexes are based on average annual construction on State and Federal aid highway systems during 1925-1929. Average costs for these years are taken as 100 percent. For this period, the total quantity and contract cost of each of the principal cost-controlling contract items were summarized and divided by the total mileage of construction. This operation provided average quantities of each type of work involved per average gross or composite mile of construction. Since unit prices and construction volumes vary not only from State to State but also from year to year, the percentage of each item contributed during this 5-year period by each State was adopted as the contributing State base. The index thus indicates the relative costs at which the average quantities placed per mile in 1925-1929, with the same State distribution, could be replaced at current contract bid prices. Figures for 1915-1922 were extrapolated by the Department of Commerce by means of a weighted average of the Interstate Commerce Commission indexes for grading; tunnel and subway excavation; bridges, culverts, and trestles; and ballast. This index is a composite derived from average unit bid prices for fixed amounts of the following items put in place: Common excavation, surfacing, and structures. The base quantities involved in measuring this index are: 3,641,885,000 cubic yards of roadway excavation; 154,953,000 square yards of portland cement concrete surfacing with average thickness of 9.1 inches; 111,516,000 tons of bituminous concrete surfacing; 2,206,879,000 pounds of reinforcing steel for structures; 2,581,462,000 pounds of structural steel; and 14,583,000 cubic yards of structural concrete.

N 136, Turner Construction Company index. This index is based on the building cost experience of the Turner Construction Company in eastern cities applied to these factors: Labor rates, material prices, productivity of labor, efficiency of plant and management, and competitive conditions. The series also reflects the payment of sales taxes and employee benefit costs.

N 137, average of contractor indexes of construction cost. This is an average of 4 contractor indexes shown separately in the source. In contrast to the common indexes of construction costs, which usually represent a combination of wages and materials prices according to a fixed relationship and may not take adequate account of changes in efficiency, the contractor indexes are based on estimates of the actual cost for erecting comparable structures. The comparison of these indexes with the common indexes may suggest changes in cost that result from changes in efficiency. For a fuller discussion, see the source, pp. 69-74, and Grebler-Blank-Winnick, appendix C.

N 138. Building cost index (Riggleman), 1868-1933.

Source: See source for series N 114, appendix N, table 4.

The index is from an unpublished doctoral dissertation by John R. Riggleman, Variations in Building Activity in United States Cities, Johns Hopkins University, 1934, appendix I. The index was constructed on the basis of several sources, including the American Appraisal Company's cost of industrial buildings in eastern cities to 1903 and the Engineering News-Record construction cost index for 1904–1933. The figures for earlier years are less reliable than those for later years, and should be used with caution. The source also presents the index back to 1830.

N 139. Residential construction cost index (Blank), 1889-1933.

Source: David M. Blank, The Volume of Residential Construction, 1889-1950, National Bureau of Economic Research, New York, Technical Paper 9, 1954, table 21 (copyright).

For 1889–1914, the index is based on weighted averages of building trade wages and building materials prices, more fully described in the source. For 1915–1933, the index is the Boeckh residential construction cost index shown as series N 121, converted to the 1929 base. The figures for earlier years are less reliable than those for later years and should be used with caution.

N 140-155. Indexes of wholesale prices for construction materials, 1926-1970.

Source: U.S. Bureau of Labor Statistics, Handbook of Labor Statistics, 1973, pp. 315-318, and Wholesale Prices and Price Indexes, monthly and annual issues.

Data cover materials incorporated as integral part of a building or normally installed during construction and not readily removable. Excluded are consumer durables, such as kitchen ranges, refrigerators, etc.

For compilation and description of wholesale indexes, see series E 23-122.

CONSTRUCTION AND HOUSING

Series N 1-29. Value of New Private and Public Construction Put in Place: 1915 to 1970
[In millions of dollars]

					· · ·		-	Private						
	Total new		Residen	tial buildin	gs (includir	ng farm)	Nonreside	ntial buildi	ings (exclud	ling farm)4		P	ublic utilit	ies
Year	construc- tion	Total ¹	Total 2	New housing units 2	Additions and altera- tions 3	Non- house- keeping	Total 2	Industrial	Commer- cial 2	Other	Farm nonresi- dential ²	Total 25	Rail- road 2 5	Petroleum pipeline
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1970	94,855	66,759	31,864	24,272	6,234	1,358	21,417	6,538	9,754	5,125	1,512	11,020	306	285
	93,917	65,953	33,200	25,941	5,882	1,377	21,155	6,783	9,401	4,971	1,322	9,535	453	231
	87,093	59,488	30,565	24,030	5,297	1,238	18,164	6,021	7,761	4,382	1,217	8,969	413	357
	78,082	52,546	25,568	18,985	5,317	1,266	17,589	(NA)	(NA)	(NA)	1,332	7,603	327	312
	76,414	52,407	25,715	19,352	4,941	1,422	18,279	(NA)	(NA)	(NA)	1,126	6,803	378	142
1965	78,747	51,685	27,934	21,712	4,736	1,486	16,509	(NA)	(NA)	(NA)	1,038	5,788	310	122
1964	67,675	47,292	28,010	21,786	(NA)	1,457	12,955	3,565	5,396	3,994	958	5,031	267	166
1963	64,812	45,455	27,874	21,735	4,798	1,341	11,646	2,906	4,995	3,745	958	4,667	253	272
1962	60,205	42,336	25,150	19,448	4,484	1,223	11,617	2,842	5,144	3,631	962	4,330	201	203
1961	56,445	39,297	23,107	17,074	4,973	1,060	10,734	2,780	4,674	3,280	871	4,335	213	109
1960. 1959* 1958. 1957. 1956.	54,738 55,392 50,047 49,139 47,601	38,875 39,322 34,590 35,080 34,869	22,975 6 24,251 6 19,789 19,543 20,707	17,279 6 19,233 6 15,445 15,273 16,672	4,831 4,253 3,711 3,769 3,588	865 765 633 501 447	10,149 8,859 8,675 9,556 8,818	2,851 2,106 2,382 3,557 3,084	4,180 3,930 3,589 3,564 3,631	3,118 2,823 2,704 2,435 2,103	71,484 71,249 874 863	4,621 4,521 4,688 4,908 4,361	270 218 272 397 421	132 131 156 159 123
1955	46,519	34,804	22,409	18,774	3,296	339	7,611	2,399	3,218	1,994	853	3,770	341	130
1964	41,380	29,668	18,759	15,503	2,960	296	6,250	2,030	2,212	2,008	853	3,685	366	224
1953	39,136	27,894	17,213	14,030	2,916	267	5,680	2,229	1,791	1,660	908	3,973	405	330
1952	36,828	26,049	16,468	13,516	2,767	185	5,014	2,320	1,137	1,557	949	3,533	449	267
1951	35,435	26,180	16,546	13,872	2,484	190	5,279	2,117	1,498	1,664	934	3,537	372	173
1950 1949 1948 1947 1946 *		26,709 20,453 21,374 16,722 12,077 10,375	18,768 13,111 13,830 10,404 6,656 4,752	16,193 10,726 11,208 8,319 5,204 3,300	2,400 2,200 2,467 1,960 1,307 1,307	175 185 155 125 145 145	8,904 3,383 3,765 3,243 3,362 8,341	1,062 972 1,397 1,702 1,689 1,689	1,415 1,182 1,397 957 1,153 1,132	1,427 1,229 971 584 520 520	880 887 938 880 752 447	3,045 2,994 2,776 2,126 1,255 1,374	309 354 398 340 265 293	197 157 150 121 63 63
1945	5,809	3,411	1,376	820	516	40	1,020	642	203	175	167	827	282	42
	5,259	2,186	923	678	220	25	351	208	56	87	175	725	262	71
	8,301	1,979	1,006	831	160	15	233	156	33	44	163	570	225	77
	14,075	3,415	1,850	1,575	225	50	635	346	155	134	125	786	209	80
	11,957	6,206	3,692	3,222	375	95	1,482	801	409	272	128	872	217	60
1940	8,682	5,054	3,130	2,705	335	90	1,025	442	348	235	95	771	217	30
1939	8,198	4,389	2,786	2,376	320	90	786	254	292	240	106	683	191	35
1938	6,980	3,560	2,069	1,699	295	75	764	232	285	247	92	605	160	21
1937	6,999	3,903	1,975	1,575	320	80	1,085	492	387	206	107	705	238	67
1936	6,497	2,981	1,641	1,286	295	60	713	266	290	157	85	518	194	41
1935		1,999	1,071	771	250	50	472	158	211	108	65	363	156	20
1934		1,509	661	416	200	45	456	191	173	92	30	326	158	12
1933		1,231	499	319	145	35	406	176	130	100	20	261	115	7
1932		1,676	654	509	105	40	502	74	223	205	13	467	168	37
1931		3,768	1,624	1,379	175	70	1,099	221	454	424	38	946	361	77
1930	8,741	5,883	2,182	1,677	305	200	2,003	532	898	578	86	1,527	606	30
	10,793	8,307	3,772	3,187	340	245	2,694	949	1,135	610	160	1,578	592	97
	11,641	9,156	4,926	4,355	315	260	2,573	802	1,121	650	175	1,372	523	53
	12,034	9,625	5,320	4,700	290	330	2,534	696	1,145	693	195	1,450	539	80
	12,082	9,938	5,737	5,057	270	410	2,513	727	1,107	679	160	1,415	542	36
1925	11,439	9,301	5,656	5,051	250	355	2,060	513	940	607	170	1,302	445	55
1924	10,407	8,506	5,193	4,708	230	255	1,675	460	740	475	165	1,356	421	70
1923	9,332	7,710	4,542	4,102	210	230	1,697	549	716	432	175	1,191	435	53
1922	7,647	5,963	3,479	3,074	200	205	1,457	467	613	377	150	787	261	41
1921	6,004	4,440	2,203	1,893	185	125	1,434	574	570	290	125	604	243	30
1920 1919 1918 1917 1917 1916	6,749 6,296 5,118 4,569 3,849 3,262	5,397 4,320 2,880 3,290 3,141 2,543	2,281 2,123 1,118 1,389 1,529 1,329	1,976 1,918 963 1,199 1,324 1,149	175 130 110 125 145 140	130 75 45 65 60 40	1,964 1,082 731 800 716 478	1,099 621 449 364 262 197	625		300 380 275 250 170 120	771 673 697 788 658 549	266 329 472 515 390 353	41 56 24 20 20 20

See footnotes at end of table.

CONSTRUCTION N 15-29

Series N 1-29. Value of New Private and Public Construction Put in Place: 1915 to 1970—Con. [In millions of dollars]

		Private	Con.							Public					
	Publi	c utilities-	-Con.	All			N	onresi d ent	ial building	(s		High-	Sewer	Conserva-	
Year	Electric light and power 2 10	Gas ²	Telephone and telegraph	other private 11	Total 1	Residen- tial	Total	Indus- trial	Educa- tional	Other	Military facilities	ways, roads, and streets	and water systems	and develop- ment	All other public 12
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1970 1969 1968 1967 1966	5,808 4,764 4,452 3,777 3,060	1,653 1,884 2,043 1,549 1,614	2,968 2,203 1,704 1,638 1,609	946 741 573 454 484	28,096 27,964 27,605 25,536 24,007	1,107 1,047 746 709 655	9,550 10,183 9,693 9,272 8,265	499 518 519 408 369	5,619 5,868 6,061 5,988 5,333	3,432 3,797 3,113 2,876 2,563	718 879 808 695 727	9,981 9,250 9,321 8,591 8,405	2,638 2,680 3,065 2,328 2,366	1,908 1,783 1,973 2,124 2,194	2,194 2,142 1,999 1,816 1,395
1965 1964 1963 1962 1961	2,589 2,211 2,066 1,899 1,886	1,304 1,073 948 1,031 1,147	1,463 1,314 1,128 996 980	416 338 310 277 250	22,062 20,383 19,357 17,869 17,148	603 567 531 938 842	7,290 6,610 6,003 5,154 5,169	368 403 440 422 472	4,284 3,790 3,477 2,984 3,052	2,638 2,417 2,086 1,748 1,645	830 910 1,179 1,266 1,371	7,550 7,133 7,084 6,365 5,854	2,461 2,281 1,829 1,754 1,581	2,019 1,750 1,694 1,523 1,384	1,309 1,132 1,037 869 947
1960 1959* 1958 1957 1956	2,026 2,007 2,291 2,168 1,720	1,105 1,214 1,065 1,116 1,031	1,088 951 904 1,068 1,066	281 207 189 199 120	15,863 16,070 15,457 14,059 12,732	716 962 846 506 292	4,795 4,514 4,653 4,507 4,076	407 368 408 473 453	2,818 2,656 2,875 2,825 2,556	1,570 1,490 1,370 1,209 1,067	1,366 1,465 1,402 1,287 1,360	5,437 5,761 5,545 4,934 4,415	1,487 1,467 1,387 1,344 1,275	1,175 1,121 1,019 971 826	887 780 605 510 488
1955 1954 1953 1952 1951	1,572 1,717 1,805 1,537 1,315	922 723 818 710 1,010	805 655 615 570 487	161 121 120 85 64	11,715 11,712 11,242 10,779 9,255	266 336 556 654 595	4,196 4,609 4,350 4,158 3,496	721 1,506 1,771 1,684 974	2,442 2,134 1,714 1,619 1,513	1,033 969 865 855 1,009	1,287 1,003 1,290 1,387 887	3,852 3,714 3,021 2,677 2,355	1,085 982 883 790 775	701 773 892 900 912	328 295 250 213 235
1950 1949 1948 1947 1946 8 1946 9	1,240 1,313 1,016 761 425 443	859 637 499 394 197 270	440 533 713 510 305 305	112 78 65 69 52 52	6,866 6,269 4,704 3,319 2,231 2,362	345 359 156 200 374 374	2,387 2,049 1,291 591 354 354	224 177 196 96 113 113	1,133 934 618 287 101 101	1,030 938 477 208 140 140	177 137 158 204 188 188	2,134 2,015 1,661 1,344 764 895	659 619 535 351 194 194	942 852 670 424 260 260	222 238 233 205 97 97
1945 1944 1943 1942 1941	245 163 144 255 305	141 146 63 87 111	117 83 61 155 179	21 12 7 19 32	2,398 3,073 6,322 10,660 5,751	80 211 739 545 430	937 1,361 2,010 3,685 1,646	755 1,230 1,870 3,437 1,280	59 41 63 128 158	123 90 77 120 208	690 837 2,550 5,016 1,620	398 362 446 734 1,066	97 79 107 169 252	130 163 285 357 500	66 60 185 154 237
1940 1939 1938 1937 1936	311 303 267 218 139	91 61 65 80 77	122 93 92 102 67	33 28 30 31 24	3,628 3,809 3,420 3,096 3,516	200 65 35 93 61	615 970 672 550 701	164 23 12 2 4	156 468 311 253 366	295 479 349 295 331	385 125 62 37 29	1,302 1,381 1,421 1,226 1,362	338 371 355 311 342	528 570 551 605 658	260 327 324 274 363
1935 1934 1933 1932 1931	87 66 59 109 225	48 43 35 66 117	52 47 45 87 166	28 36 45 40 61	2,233 2,211 1,648 1,862 2,659	9	328 363 230 415 612	(1) (1) (1)	153 148 52 130 285	173 204 176 285 327	37 47 36 34 40	845 1,000 847 958 1,355	175 173 95 156 270	700 518 359 150 156	139 109 81 149 226
1930 1929 1928 1927 1926	350 338 362 362	181 185 212 257 248	333 354 246 212 227	85 103 110 126 113	2,858 2,486 2,485 2,409 2,144		660 659 638 596 603	(1) (1) (1) (1) (1)	364 389 378 367 399	296 270 260 229 204	29 19 15 12 11	1,516 1,266 1,289 1,222 1,067	343 253 300 312 285	137 115 72 63 61	173 174 171 204 117
1925	421 463 412 229 163	171 206 133 139 66	210 196 158 117 102	113 117 105 90 74	2,138 1,901 1,622 1,684 1,564		573 494 481 481 387	(1) (1) (1) (1) (1)	400 353 346 342 274	173 141 135 139 113	8 9 16 25 49	1,082 987 805 876 853	278 263 203 201 178	73 79 65 48 52	124 69 52 53 45
1920 1919 1918 1917 1916 1915	262 156 102 123 117 92	78 56 26 45 70 41	124 76 73 85 61 43	81 62 59 63 68 67	1,352 1,976 2,238 1,279 708 719	14 28	283 246 199 192 207 217	(1) (1) (1) (1) (1) (1)	190	93	161 1,089 1,555 608 21 17	656 429 296 320 314 302	153 124 94 91 95 106	55 39 29 27 28 36	44 35 37 41 43 41

^{*} Denotes first year for which figures include Alaska and Hawaii, except that the nonfarm component of series N 4 should be interpreted as including estimates for Alaska and Hawaii beginning 1946.

NA Not available.

1 Public industrial and commercial building not segregable from private construction, 1915-1932; amount believed negligible.

2 Beginning 1946, figures not entirely comparable with those for earlier years.

3 Prior to 1960, excludes farm housing.

4 Excludes building by privately owned public utilities. Beginning 1968, figures not comparable with earlier years because of revision in survey.

5 Prior to 1959, includes local transit; thereafter, local transit included in "All other private."

⁶ Excludes farm.

⁷ Includes farm housing units.

⁸ Comparable with later years.

⁹ Comparable with earlier years.

Source: U.S. Department of Commerce and U.S. Department of Construction Volume and Costs, 1915–1956, a statistical supplement to Construction Review, pp. 2-9.

¹⁰ Includes construction with Rural Electrification Administration funds.

¹¹ Includes sewer and water systems, roads, bridges, and miscellaneous nonstructural items such as parks and playgrounds.

Beginning 1959, includes local transit.

¹² Includes publicly owned parks and playgrounds, memorials, etc.

CONSTRUCTION AND HOUSING

Series N 30-60. Value of New Private and Public Construction Put in Place, 1957-59 Dollars: 1915 to 1970

[In millions of dollars. Beginning 1960, figures for these series are essentially comparable with figures for series N 1-29, except series N 33 with N 4, new private residential units; series N 36-39 with N 7-10, new private nonresidential buildings; series N 40 with N 11, new farm nonresidential; and series N 41-46 with N 12-17, new privately-owned public utilities. See text for series N 1-29 and general note for series N 1-60]

							Private co	nstruction			-	_	
	Total new construc-		Reside	ntial buildin	gs (includin	g farm)	Nonresid	ential buildi	ngs (excludir	ng farm) 3	Farm.	Public	utilities
Year	tion	Total 1	Total	New housing units	Additions and alter- ations 2	Non- house- keeping	Total	Industrial	Commer- cial	Other	nonresi- dential	Total	Railroad 4
	30	31	32	33	34	35	36	37	38	39	40	41	42
1970	60,170 64,169 64,432 61,144 62,941 62,896 59,172 58,102 55,948 53,087	42,317 44,911 43,775 40,967 43,208 43,780 40,861 40,309 39,056 36,428	2 20,509 2 22,364 2 22,369 2 19,413 2 20,561 23,496 23,942 24,542 23,286 21,194	2 15,345 2 17,311 2 17,399 2 14,623 2 15,412 2 17,882 2 18,223 2 18,7508 2 17,508 2 15,474	4,167 (NA) (NA) (NA) (NA) (NA) 3,893 (NA) (NA) (NA) (NA)	2 997 2 1,068 2 1,076 2 1,036 2 1,219 2 1,307 2 1,305 2 1,236 2 1,150 2 1,014	13,749 14,874 13,887 14,197 15,131 13,959 11,185 10,292 10,558 10,004	3,895 4,590 4,427 5,131 5,749 4,541 3,263 2,728 2,732 2,732	6,332 6,692 5,981 5,312 5,416 5,491 4,520 4,291 4,555 4,275	3,522 3,592 3,429 3,754 3,966 3,927 3,402 3,273 3,271 3,017	702 737 750 776 779	6,024 5,294 4,719 4,459 4,190 4,226	302 262 243 193 211
1960 1959* 1958 1957 1956 1955 1954 1953 1952	52,171 54,222 50,270 49,878 50,034 51,717 47,164 44,747 42,882 42,596	36,518 38,218 34,868 35,753 36,651 38,394 38,721 31,818 30,334 31,387	21,304 223,641 219,930 19,862 21,487 24,222 20,883 19,023 18,508 19,084	2 15,747 2 18,751 2 15,552 15,522 17,264 20,295 17,258 15,506 15,189 15,996	(NA) 4,144 3,739 3,830 3,712 3,562 3,295 3,223 3,110 2,868	2 828 746 639 510 461 365 330 294 209 220	9,690 8,614 8,679 9,774 9,501 8,668 7,287 6,694 6,071 6,641	2,803 2,080 2,392 3,582 3,316 2,807 2,400 2,587 2,736 2,736 2,568	3,943 3,799 3,584 3,684 8,923 3,623 2,569 2,142 1,415 1,936	2,944 2,735 2,703 2,508 2,262 2,238 2,318 1,965 1,920 2,137	790 51,359 51,384 891 908 938 960 1,006 1,067 1,070	4,474 4,407 4,686 5,020 4,673 4,384 4,449 4,948 4,577 4,505	261 215 271 405 448 390 428 479 548
1950 1949 1948 1947 1946 1945 1944 1943 1942 1941	43,576 86,605 34,681 29,573 25,668 12,251 11,525 17,866 31,777 30,144	34,309 27,779 28,385 24,682 21,787 7,181 4,808 4,474 8,234 16,049	23,232 17,234 17,602 14,762 11,447 2,608 1,878 2,223 4,343 9,112	20,042 14,093 14,255 11,784 8,928 1,551 1,375 1,837 3,687 7,958	2,975 2,898 8,149 2,797 2,269 982 452 354 531 921	215 243 198 181 250 75 51 32 125 233	5,321 4,718 5,210 4,994 6,498 2,353 861 563 1,628 4,228	1,447 1,363 1,917 2,595 3,050 1,426 491 351 829 2,160	1,930 1,640 1,941 1,474 2,348 489 143 92 418 1,214	1,944 1,715 1,352 925 1,100 438 227 120	1,124 1,151 1,202 1,221 1,271 309 342 351 302 350	4,470 4,556 4,267 3,584 2,465 1,868 1,687 1,314 1,911 2,274	419 494 553 523 466 542 525 452 454 540
1940 1939 1938 1937 1936 1935 1934 1933 1932 1931	23,217 22,379 18,775 19,051 18,938 12,780 10,815 9,232 12,350 19,559	14,105 12,600 10,361 11,504 9,771 6,764 5,089 4,570 6,111 11,998	8,366 7,676 5,800 5,690 5,268 3,555 2,145 1,763 2,309 4,856	7,286 6,549 4,767 4,589 4,128 2,558 1,350 1,128 1,798 4,124	890 879 824 921 947 831 649 512 370 523	240 248 209 230 193 166 146 123 141 209	3,200 2,567 2,477 3,443 2,609 1,809 1,738 1,725 2,078 4,001	1,310 806 714 1,481 910 564 691 728 314 880	1,106 944 914 1,251 1,069 810 657 543 861 1,495	784 817 849 711 630 435 890 454 903 1,626	289 324 278 318 266 206 95 71 46 119	2,149 1,946 1,719 1,963 1,552 1,102 993 847 1,531 2,826	585 534 487 633 549 449 455 342 485 951
1930 1929 1928 1927 1926 1925 1924 1923 1922	24,511 29,213 32,113 33,238 33,113 31,323 28,022 25,011 22,524 16,167	17,200 23,157 26,127 27,528 28,038 26,366 23,796 21,415 18,420 12,745	5,999 10,096 13,752 14,908 15,856 15,793 14,360 12,386 10,611 6,208	4,609 8,528 12,142 13,166 13,973 14,101 13,016 11,185 9,372 5,336	839 911 882 815 748 699 638 574 612	551 657 728 927 1,135 993 706 627 627 627	6,437 8,144 7,812 7,712 7,569 6,246 5,004 5,040 4,813 4,441	1,865 2,970 2,440 2,118 2,156 1,523 1,370 1,618 1,543 1,812	2,600 8,256 3,327 3,415 3,277 2,814 2,172 2,106 1,984 1,713	1,972 1,918 2,045 2,179 2,136 1,909 1,462 1,316 1,286 916	233 417 459 505 413 485 430 459 409 346	4,273 4,194 3,774 4,025 3,860 3,552 3,659 3,222 2,224 1,525	1,506 1,398 1,223 1,239 1,232 1,013 930 961 630 523
1920 1919 1918 1917 1916 1915		12,333	5,101 6,002 3,655 5,469 7,108 6,613	4,413 5,405 8,129 4,703 6,140 5,710	395 379 373 505 685 702	293 218 153 261 283 201	4,657	2,536 1,831 1,563 1,431 1,263 1,107	1,540	581	609 852 716 780 630 510	1,770 1,688 1,780 2,364 2,508 2,357	468 699 1,118 1,452 1,337 1,316

		Private	constructio	n-Con.					Pub	lic constru	ction			
		Public utili	ities—Con.		All				Nonres	idential bu	ildings			Highways, roads, and
Year	Petroleum pipeline	Electric light and power	Gas	Telephone and telegraph	other private	Total	Residen- tial	Total	Indus- trial	Educa- tional	Hospital and insti- tutional	Other	Military facilities	roads, and streets
	43	44	45	46	47	48	49	50	51	52	53	54	55	56
1970	114 156 256 193	2,408 2,117 2,022 1,884	1,117 943 853 947	2,038 1,579 1,367 1,341 1,425 1,353 1,241 1,085 973	539 464 393 331 371 329 278 265 246	17,853 19,258 20,657 20,177 19,733 19,116 18,311 17,793 16,892	776 768 581 581 560 527 507 486 882	5,744 6,640 6,881 7,007 6,542 6,054 5,648 5,267 4,670	325 369 410 340 317 324 367 418 408	3,351 3,799 4,272 4,504 4,199 3,554 3,224 3,035 2,688	504 522 489 477 405 434 398 370 357	1,564 1,950 1,710 1,686 1,621 1,742 1,659 1,449 1,217	501 663 623 573 636 733 835 1,084 1,182	6,736 6,886 7,565 7,269 7,365 7,108 7,003 6,998 6,447

See footnotes at end of table.

CONSTRUCTION N 43-60

Series N 30-60. Value of New Private and Public Construction Put in Place, 1957-59 Dollars: 1915 to 1970—Con. [In millions of dollars]

	Private construction—Con. Public utilities—Con.						Pub	lic constru	ction					
		Public utili	ties—Con		Ali				Nonres	sidential bu	ıildings			Highways
Year	Petroleum pipeline	Electric light and power	Gas	Telephone and telegraph	other	Total 1	Residen- tial	Total	Indus- trial	Educa- tional	Hospital and insti- tutional	Other	Military facilities	roads, and streets
	43	44	45	46	47	48	49	50	51	52	53	54	55	56
961 960 959* 958 957 956 955 954 953 952 951	127 125 156 162 134 153 275 417	1,876 1,980 1,963 2,286 2,219 1,870 1,866 2,101 2,276 2,037 1,788	1,071 1,047 1,171 1,060 1,154 1,137 1,110 909 1,081 981 1,429	961 1,059 933 913 1,080 1,084 865 736 695 660 580	225 260 197 189 206 132 182 142 147 111	16,659 15,653 16,004 15,402 14,125 13,383 13,323 13,443 12,929 12,548 11,209	803 686 941 852 515 304 288 374 614 737 687	4,790 4,551 4,387 4,656 4,631 4,381 4,751 5,366 5,107 5,034 4,421	461 402 363 411 478 487 848 1,780 2,055 1,983 1,180	2,813 2,664 2,579 2,879 2,908 2,748 2,742 2,466 2,029 1,997 1,943	342 380 418 390 365 323 338 385 438 612 678	1,174 1,105 1,027 976 880 823 823 735 542 620	1,320 1,336 1,449 1,398 1,297 1,442 1,467 1,158 1,483 1,612 1,060	6,152 5,758 5,993 5,489 4,753 4,443 4,396 4,109 3,209 2,681 2,430
950 949 948 947 946 945 943 943 943	242 239 214 129 99 171 191 204	1,879 2,122 1,717 1,413 925 618 416 368 657 812	1,308 1,015 832 740 439 366 388 169 234 316	574 683 926 694 506 243 187 134 362 451	162 120 104 121 106 43 35 23 50 85	9,267 8,826 6,296 4,891 3,881 5,070 6,722 13,392 23,543 14,095	430 474 199 300 634 154 436 1,647 1,260 1,056	3,252 2,861 1,787 923 717 2,190 3,249 4,580 8,749 4,488	304 249 267 145 209 1,730 2,904 4,195 8,048 3,406	1,543 1,302 859 449 213 147 109 171 366 464	682 638 294 121 182 215 155 121 102 134	723 672 367 208 113 98 81 93 233	234 182 207 293 329 1,434 1,758 5,144 10,796 4,144	2,722 2,684 1,831 1,652 1,067 611 535 599 1,081
940 939 938 937 936 935 934 933 933	- 103 - 62 - 196 - 129 - 39 - 24 - 130	873 861 766 620 434 277 213 208 398 769	275 188 197 243 256 166 150 137 258 420	328 260 257 271 184 146 136 136 260 433	101 87 87 90 76 92 118 164 147	9,112 9,779 8,414 7,547 9,167 6,016 5,726 4,662 6,239 7,561	529 174 98 268 196 29	1,913 3,220 2,228 1,843 2,743 1,342 1,451 1,028 1,827 2,346	481 76 37 6 14 7 40 9	484 1,555 1,037 853 1,441 628 584 228 572 1,093	182 434 323 246 289 155 208 218 366 421	766 1,155 831 738 999 552 619 573 889 832	1,055 354 177 104 88 115 145 122 123	2,797 2,877 2,893 2,396 2,497 1,681 1,899 2,623 2,951
930 929 928 927 926 925 924 923 9922 9921	289 160 238 106 160 199 157	1,255 1,105 1,119 1,220 1,191 1,365 1,497 1,358 757 520	620 631 735 860 810 550 639 443 508	799 771 537 468 521 464 394 303 260 192	258 306 330 378 340 343 308 308 225	7,311 6,056 5,986 5,710 5,075 4,957 4,226 3,596 4,104 3,422		2,250 2,072 2,007 1,874 1,896 1,801 1,522 1,464 1,641 1,223	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	1,241 1,223 1,189 1,154 1,255 1,258 1,053 1,167 866	402 318 340 251 214 192 185 167 205 126	607 531 478 469 427 351 250 244 269	81 50 39 30 27 20 22 38 66 122	2,958 2,296 2,260 2,004 1,725 1,681 1,459 1,141 1,384 1,228
1920 1919 1918 1917 1916	153 73 69 86	752 503 339 468 554 537	215 167 84 167 355 253	232 166 166 208 176 150	196 190 198 232 336 417	2,420	40 95	685	(1) (1) (1) (1) (1) (1)	459		146	321 2,755 4,515 2,027 81 73	783 665 507 663 749 763

	Pu	ıblic constr	uctionC	on.		Pı	ıblic constr	uction—Co	on.		Pu	ıblic constr	uction—Co	on.
Year	Sewer and water systems	Conservation and development	Public service enter- prises	All other public	Year	Sewer and water systems	Conservation and development	Public service enter- prises	All other public	Year	Sewer and water systems	Conser- vation and develop- ment	Public service enter- prises	All other public
	57	58	59	60		57	58	59	60		57	58	59	60
1970	1,535	1,102	1	459	1951	1,054	1,238	250	69	1932	573	551	490	52
1969	1.695	1.134	1.	472	1950	947	1.351	241	69 90	1931	869	502	714	52 55
1968	2,108	1,406	1.	493	1949	945	1,298	298	84	1930	1,038	415	521	48
1967	1,709	1.611	1.4	427	1948	838	1,048	278	108	1929	751	341	478	48 68 42 35 18 11
1966	1,807	1,676	1,	147	1947	613	737	262	111	1928	902	216	520	42
1965	1,956	1,605 1,429 1,445	1,	133	1946	397	529	182	26	1927	935	188	644	35
1964	1,878	1,429	1,	011	1945	225	299	138	19	1926	858	184	367	18
1963	1,565	1,445		948	1944	190	390	124	40	1925	836	219	389	11
1962	1,549	1,345		817	1943	264	702	124	332	1924	770	232	210	11
1961	1,431	1,255	'	908	1942	400	913	188	156	1000		400		
1000	4 000	4 000			1941	609	1,230	320	229	1923	594	190	148	21 21 13 13
1960	1,380	1,089		853	1,040	000	1 000	007	900	1922	676	161	155	21
1959*	1,403	1,073	538	220	1940	855	1,336	337	290	1921	544	159	133	13
1958	1,385	1,017	451	154	1939	946	1,441	353	414	1920	372	134	112	13
1957	1,399	1,007	403	120	1938	879	1,397	349	393	1919	380	119	108	8
1956	1,387	896	416	114	1937	798	1,513	330	295	1918	314	97	120	3
1955	1,238	799	277	107	1936	943	1,794	465	441	1917	335	100	153	3
1954	1,164	917	230	125	1935	540	1,932	213	164	1916	470	138	200	5
1953	1,095	1,109	209	103	1934	511	1,422	165	130	1915	659	224	232	6
1952	1,030	1,175	222	57	1933	330	1,101	225	37		ŀ	1	.	

^{*} Denotes first year for which figures include Alaska and Hawaii, except that the nonfarm component of series N 33 should be interpreted as including estimates for Alaska and Hawaii beginning 1946.

1 Public industrial and commercial building not segregable from private construction, 1915–1932; amount believed negligible.

Excludes farm housing.
 Excludes building by privately owned public utilities.
 Includes local transit.
 Includes farm housing.

CONSTRUCTION AND HOUSING

Series N 61. Construction Expenditures for Maintenance and Repair: 1915 to 1963

[In millions of dollars. Includes work relief expenditures, 1933-1943. Beginning 1950, figures not entirely comparable with those for earlier years]

Year	Main- tenance and repair	Year	Main- tenance and repair	Year	Main- tenance and repair	Year	Main- tenance and repair	Year	Main- tenance and repair	Year	Main- tenance and repair
	61		61		61		61	<u>.</u>	61		61
1963	20,540 20,305 19,777 19,237 18,957 17,558 17,920 16,978 15,858	1954 1958 1952 1951 1950 1949 1948 1947 1946	14,708 14,413 14,140 13,316 12,055 11,966 11,801 10,374 8,062	1945 1944 1943 1942 1941 1940 1939 1938 1937	6,096 5,316 4,998 4,601 4,485 4,119 3,978 3,884 3,895	1936 1935 1934 1933 1932 1931 1930 1929	3,795 3,145 2,942 2,478 2,576 3,232 3,874 4,201 3,977	1927	3,926 3,751 3,533 3,380 3,209 2,960 2,863	1920	2,982 2,561 2,247 1,927 1,808 1,711

^{*} Denotes first year for which figures include Alaska and Hawaii.

Series N 62-65. Expenditures for Private Nonfarm Residential Building: 1889 to 1921
[In millions of dollars]

	housek	ew reeping its	alterat	ons and ions to ping units		housel	ew reeping its	alterat	ons and ions to ping units			ew teeping its	alterat	ons and cions to ping units
Year	Current dollars	Constant 1929 dollars	Current dollars	Constant 1929 dollars	Year	Current dollars	Constant 1929 dollars	Current dollars	Constant 1929 dollars	Year	Current dollars	Constant 1929 dollars	Current dollars	Constant 1929 dollars
	62	63	64	65		62	63	64	65		62	63	64	65
1921	1,795 1,072 1,258 391 769 1,255 1,192 1,081 1,108 1,1108	1,882 903 1,366 494 1,155 2,202 2,228 2,071 2,135 2,069 1,905	185 140 140 90 110 116 108 106 106 108 109	194 118 152 114 165 204 202 203 204 201 208	1910	1,028 1,272 1,034 1,037 1,170 1,154 690 607 572 610 433	1,932 2,475 2,089 2,029 2,393 2,593 1,624 1,412 1,378 1,521 1,067	112 118 114 111 111 110 98 84 76 73	211 230 230 217 227 247 231 195 183 183 172	1899 1898 1897 1896 1895 1894 1893 1892 1891 1890 1890	608 574 643 606 679 594 583 763 612 790 806	1,579 1,599 1,869 1,726 1,946 1,678 1,589 2,073 1,615 2,015 2,067	71 72 76 77 77 78 79 80 82 85 85	184 201 221 219 221 220 215 217 216 217 217

Series N 66-69. Value of New Public Construction Put in Place, by Ownership and Source of Funds: 1915 to 1970
[In millions of dollars]

	All public	Federal		nd local ership		All public	Federal	State as		*	All public	Federal	State an	
Year	construc- tion	owner- ship	Total	Federal grants- in-aid ¹	Year	construc- tion	owner- ship	Total	Federal grants- in-aid ¹	Year	construc- tion	owner- ship	Total	Federal grants- in-aid 1
	66	67	68	69		66	67	68	69		66	67	68	69
1970	25, 536 24, 007 22, 062 20, 383 19, 357 17, 869 17, 148 15, 863 16, 070 15, 457 14, 059 12, 732 11, 712 11, 242 10, 779	3,290 3,313 3,367 3,475 3,964 4,014 3,898 4,001 3,913 3,879 3,622 3,724 3,387 2,774 2,726 2,769 3,428 4,139 4,186 2,982	24, 22, 20,	806 651 238 061 043 048 3,489 3,150 2,556 2,426 2,267 2,711 2,106 1,269 857 739 675 700 464	1950 1949 1948 1947 1946 2 1946 3 1945 1945 1944 1943 1942 1941 1940 1939 1938 1938 1937 1936 1935 1935 1934	6,866 6,269 4,704 3,319 2,231 2,362 2,398 3,073 6,322 10,660 5,751 3,628 3,809 3,420 3,096 3,516 2,233 2,211 1,648 1,862	1, 624 1, 488 1, 177 865 870 1, 737 2, 505 5, 609 9, 313 3, 751 1, 182 759 717 776 797 814 626 516 333	5,242 4,781 3,527 2,479 1,366 1,492 661 568 713 1,347 2,000 2,446 3,050 2,703 2,320 2,719 1,419 1,132 1,529	454 461 417 409 244 244 99 126 268 475 697 946 1,377 1,320 1,117 1,566 567 721 286 111	1931	2,659 2,858 2,486 2,485 2,409 2,144 2,138 1,901 1,622 1,684 1,564 1,352 1,976 2,238 1,279 708 719	271 209 155 122 98 92 100 111 108 100 122 232 1,162 654 66 71	2,388 2,649 2,331 2,363 2,311 2,052 2,038 1,790 1,514 1,584 1,442 1,120 814 604 625 64	235 104 80 85 81 82 89 100 77 78 78 78 95 65 10 5

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ Construction programs receiving Federal grant-in-aid funds cover highways, schools, hospitals, airports, and miscellaneous community facilities.

Comparable with later years.
 Comparable with earlier years.

CONSTRUCTION N 70-77

Series N 70-77. Expenditures for New Construction, Private Residential and Nonresidential and Public, in Current and Constant (1929) Dollars: 1869 to 1955

[In millions of dollars]

	Total new co	nstruction 1	Private r residential		Private non construc		Public con	struction 3
Year	Current dollars	Constant 1929 dollars	Current dollars	Constant 1929 dollars	Current dollars	Constant 1929 dollars	Current dollars	Constant 1929 dollars
-	70	71	72	73	74	75	76	77
1955	45,153	18,585	16,256	6,557	16,478	6,534	11,122	4,946
1954	39,792	16,852	13,200	5,489	14,663	5,990	10,899	4,926
1958	37,172	15,694	11,663	4,813	14,115	5,825	10,087	4,489
1952	34,624	15,032	10,915	4,582	12,808	5,535	9,513	4,301
1951	32,750	14,680	10,783	4,648	12,549	5,584	8,531	4,043
1950	29,733	14,406	12,425	5,763	10,308	4,964	6,823	3,591
	23,858	12,031	8,082	3,956	9,371	4,672	6,268	3,334
	22,729	11,309	8,425	4,002	9,479	4,754	4,667	2,475
	17,462	9,667	6,185	3,270	7,844	4,321	3,229	1,965
	12,653	8,492	3,870	2,479	6,421	4,357	2,174	1,530
1945	6,231	4,836	1,060	752	2,773	2,209	1,708	1,328
1944	5,785	4,653	790	598	1,922	1,636	2,236	1,750
1943	8,648	6,926	870	718	1,456	1,339	3,772	2,900
1942	14,381	12,115	1,665	1,438	2,056	2,091	5,644	4,447
1941	12,380	11,642	3,415	3,116	3,214	3,187	4,131	3,749
1940	9,080	9,065	2,895	2,846	2,557	2,520	3,243	3,293
1939	8,566	8,683	2,590	2,643	2,167	2,175	3,684	3,729
1938	7,380	7,385	1,915	1,988	2,045	1,979	3,358	3,351
1938	7,499	7,540	1,795	1,916	2,608	2,594	3,059	2,990
1937	6,797	7,295	1,505	1,787	1,776	1,933	3,487	3,542
1935	4,532	5,026	960	1,193	1,339	1,468	2,196	2,321
	3,920	4,214	580	699	1,129	1,203	2,164	2,257
	3,079	3,673	435	571	996	1,160	1,612	1,896
	3,738	4,845	590	775	1,286	1,444	1,828	2,579
	6,627	7,457	1,495	1,663	2,473	2,668	2,619	3,079
1930	9,041	9,352	1,875	1,923	4,308	4,380	2,829	3,018
1929	11,193	11,193	3,380	3,380	5,327	5,327	2,467	2,467
1928	11,988	12,268	4,510	4,703	4,993	5,113	2,470	2,437
1927	12,439	12,699	4,830	5,052	5,200	5,343	2,397	2,293
1927	12,584	12,773	5,190	5,356	5,250	5,382	2,133	2,025
1925	11,891	12,066	5,160	5,364	4,593	4,712	2,130	1,982
1924	10,792	10,752	4,805	4,958	4,086	4,092	1,892	1,694
1923	9,732	9,653	4,170	4,242	3,940	3,985	1,606	1,412
1922	8,016	8,768	3,155	8,597	3,177	3,524	1,659	1,622
1921	6,359	6,341	1,980	2,076	2,815	2,870	1,515	1,349
1920	6,727	5,414	1,212	1,021	4,163	3,414	1,191	857
1919	6,396	6,300	1,398	1,518	3,022	2,919	887	817
1918	5,126	5,676	481	608	2,407	2,617	683	737
1917	4,641	6,090	879	1,320	2,483	3,148	671	853
1916	4,162	6,783	1,371	2,406	2,083	3,275	687	1,071
1915	3,509	6,363	1,300	2,430	1,490	2,646	702	1,259
	3,659	6,701	1,187	2,274	1,808	3,210	645	1,186
	4,988	8,879	1,214	2,339	3,183	5,481	591	1,059
	4,546	8,280	1,221	2,270	2,765	4,982	560	1,028
	4,144	7,678	1,109	2,113	2,459	4,496	576	1,069
1910	4,425	8,234	1,140	2,143	2,764	5,118	521	973
1909	4,467	8,471	1,390	2,705	2,589	4,832	488	934
1908	3,891	7,496	1,148	2,319	2,245	4,210	498	967
1907	4,342	8,049	1,148	2,246	2,750	4,980	444	823
1907	3,951	7,615	1,281	2,620	2,307	4,288	363	707
1905	3,327	6,968	1,264	2,840	1,721	3,414	342	714
	3,023	6,625	788	1,855	1,903	4,047	332	723
	3,063	6,632	691	1,607	2,085	4,420	287	605
	3,107	6,964	648	1,561	2,228	4,897	231	506
	2,705	6,241	683	1,703	1,809	4,058	213	480
1900	2,471	5,562	503	1,239	1,761	3,866	207	457
	2,069	4,866	679	1,763	1,205	2,678	185	425
	1,982	5,118	646	1,800	1,174	2,908	162	410
	2,088	5,493	719	2,090	1,219	3,014	150	389
	1,875	4,744	683	1,945	1,046	2,435	146	364
1895	2,192	5,598	756	2,167	1,295	3,073	141	358
	2,093	5,300	672	1,898	1,282	3,051	139	351
	2,190	5,338	662	1,804	1,390	3,199	138	335
	2,718	6,570	843	2,290	1,743	3,962	132	318
	2,141	5,033	694	1,831	1,320	2,904	127	298
1890_ 1889_ 1884-1893 ⁴ 1879-1888 ⁴ 1874-1883 ⁴ 1869-1878 ⁴	2,393 1,645 1,894 1,330 966 802	5,451 3,735 4,358 2,985 2,154 1,671	875 891	2,232 2,284		2,937 1,181	124 119	282 270

Includes oil and gas well drilling.
 Total housekeeping, including additions and alterations.

<sup>Excludes military.
Annual averages per year for overlapping decades.</sup>

Series N 78-89. Value of Construction Contracts Awarded (Dodge), by Class of Construction: 1901 to 1970

[In millions of dollars. Includes new structures and alterations to existing structures. Figures for 1901–1909 are for New England States only; 1910–1922, for 27 States except as noted; 1923–1924, for 36 States; 1925–1955, for 37 States; 1956–1969, for 48 States; thereafter, for 50 States. See text]

					Nonre	sidential buil	dings				Residential	Non-
Year	Total	Total	Commercial	Industrial	Educational and science	Hospital	Public buildings	Religious	Social and recreations	Miscel- laneous	buildings	building construction
	78	79	80	81	82	83	84	85	86	87	88	89
1970 1969 1968 1967 1966	68.294	25,949 22,513 20,139	9,056 9,786 7,645 6,080 5,835	3,664 3,915 3,768 3,701 3,628	5,253 5,543 5,347 5,216 4,939	2,811 2,817 2,114 1,873 1,721	1,007 1,154 1,112 959 939	575 674 778 793 825	1,137 1,116 954 834 855	95 94 79 68 65	4 25,633 5 24,838 3 21,155	19,001 16,710 14,382 13,220 12,930
1965 1964 1963 1962 1961	47.330	15,522 14,377 13,010	5,457 4,572 4,445 4,216 3,797	3,064 2,970 2,274 2,086 1,814	4,164 3,554 3,314 3,060 3,015	1,515 1,625 1,485 1,079 985	842 789 964 677 671	783 814 755 811 805	800 599 648 704 623	59 59 49 37	8 20,565 3 20,502 7 18,039	10,805 11,244 10,667 10,255 8,897
1960 1959 1958 1957 1956	36,269 35,090	11,387 10,948 11,293	3,725 3,496 3,197 3,267 3,140	2,114 1,880 1,400 2,168 2,381	3,005 2,666 2,907 2,936 2,883	832 865 879 870 678	679 605 655 470 428	789 799 746 699 681	631 601 500 429 422	46 47 66 45	4 17,150 4 14,696 5 13,039	8,973 7,732 9,446 7,841 7,542
1955 1954 1953 1952 1951	20,596 18,804 18,070	7,110 6,956 6,695	2,359 1,816 1,489 979 915	1,878 1,274 2,051 2,558 2,883	2,134 2,063 1,720 1,472 1,335	475 519 434 444 581	301 249 203 233 158	551 486 385 318 299	270 252 222 153 136	53 45 45 53 51	2 9,844 2 7,840 8 7,963	5,063 4,142 4,008 3,412 2,728
1950 1949 1948 1947 1946	11,826 11,121 9,178	3,644 3,666 2,716	1,209 885 975 785 773	1,142 559 840 941 1,317	1,180 824 725 392 221	655 555 405 192 131	124 119 84 73 25	336 276 245 118 68	261 222 232 122 93	27 20 16 9 8	5,706 1 5,299	2,578 2,476 2,155 1,890 1,631
1945 1944 1943 1942 1941	1,994 3,274 8,256	899 1,424 3,897	346 81 121 302 471	1,027 473 766 2,228 1,182	100 69 62 148 141	113 59 111 185 89	16 12 25 102 89	35 12 7 24 53	60 33 58 101 78	15 16 27 80 21	1 348 4 868 8 1,818	885 746 982 2,541 1,738
1940 1939 1938 1937 1936	4,004 3,551 3,197 2,918 2,678	966 1,072 1,156	318 247 216 297 249	442 175 121 314 198	147 201 334 223 219	94 83 116 82 74	80 110 114 105 102	46 38 36 37 28	63 82 108 84 75	10 2 2 2 1 1	9 1,334 8 986 5 905	1,112 1,251 1,139 852 914
1985 1984 1933 1932 1931	1,548 1,256 1,351 3,098	551 417 488 1,141	165 151 99 123 311	109 116 128 44 116	168 112 39 81 223	47 37 37 48 121	98 56 51 118 181	24 18 18 27 53	55 46 27 34 99	1 1 1 1 3	5 249 9 249 3 280 6 811	685 743 589 583 1,141
1930 1929 1928 1927 1926 1925	5,751 6,628 6,308	2,425 2,438 2,439 2,418	616 929 885 933 921 872	257 546 509 876 471 327	366 370 390 369 373 419	163 152 165 163 133 111	140 121 76 80 67 55	93 106 128 157 149 153	117 147 219 261 252 253	5 6 10 5	5 1,916 7 2,788 2 2,578	1,599 1,410 1,402 1,291 1,292 1,057
			Nonresidenti	al buildings		Residentia	l Non-					
Year	Total	Total 1	Commercial	Industrial	Public and institutional	buildings	building constructi		ar	Total	Year	Total
	78	79	80	81	83-87	88	89			78		78
1924 1923 1922 1921	4,479 8,992 3,344 2,355	1,583 1,456 1,395 998	591 518 496 332	233 313 278 153	721 601 599 461	2,053 1,730 1,340 879	6 8 0 6	44 1914 01 1913 09 1912		917	1907 1906 1905	129 125 107

600 517

1904_____ 1903_____ 1902____ 1901____

4,479 3,992 3,344 2,355

2,564 2,580 1,767 1,691 1,413 978

1915.....

¹ 1ncludes theaters, not shown separately. ² 25 States only. Totals for 27 States are: 1919, 2,699; 1920, 2,635.

CONSTRUCTION N 90–100

Series N 90-100. Floor Space of Buildings for Which Construction Contracts Awarded (Dodge), by Class of Construction: 1919 to 1970

[In millions of square feet. Includes new structures and alterations to existing structures. Figures for 1919–1922 are for 27 States; 1923–1924, for 36 States; 1925–1955, for 37 States; 1956–1969, for 48 States; thereafter, for 50 States. See text]

						Non	residential buil	dings					Residential
Year	Tot		Total C	ommercial	Industrial	Educational and science	Hospital	Public buildings	Religio		al and ational	Miscel- laneous	buildings
	90		91	92	93	94	95	96	97		98	99	100
1970 1969 1968 1967	3	,938 ,249 ,129 ,820 ,643	1,157 1,374 1,254 1,165 1,227	530 573 496 424 442	212 317 284 270 312	195 221 234 242 245	75 87 69 66 60	2: 36 3: 3' 3'	9	27 33 39 41 45	47 53 46 42 47	42 54 47 43 40	1,781 1,874 1,876 1,654 1,416
1965	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	,848 ,738 ,711 ,414 ,203	1,132 1,024 958 894 838	415 360 347 326 293	265 239 187 174 150	225 202 197 191 194	60 67 65 49 44	30 34 44 34 33	4 3 4	45 50 48 53 53	47 36 38 40 41	38 36 32 27 29	1,711 1,714 1,753 1,520 1,364
1960 1959 1958 1957 1956	2 2	,154 ,337 ,101 ,003 ,017	854 824 768 809 823	283 281 243 245 244	178 158 113 176 192	196 181 201 207 200	36 38 38 40 33	3; 3; 3; 2; 2;	4 7 7	53 54 51 50 48	44 43 37 31 30	31 35 47 33 48	1,300 1,512 1,333 1,195 1,194
1955	1 1	,695 ,486 ,306 ,288 ,279	604 532 490 441 470	173 138 123 82 77	125 100 112 115 148	155 154 124 107 110	23 28 23 26 38	1/ 10 1: 1/ 1	6 3 5	37 34 28 22 25	20 19 17 12 11	58 44 50 62 50	1,089 953 814 845 805
1950 1949 1948 1947 1946	1 1	,475 ,038 ,060 ,060 946	483 344 385 349 432	122 86 101 100 119	115 61 110 143 235	111 79 72 41 26	45 42 85 20 15		8 6 6 2	29 25 21 12 8	24 21 22 14 11	28 22 18 12 15	989 694 673 707 516
1945 1944 1948 1942 1941	1	397 229 448 ,296 941	285 156 245 848 440	63 12 22 74 106	158 84 106 446 188	13 10 12 31 24	11 8 20 34 15	1 :		5 1 1 3 9	8 5 13 23 15	26 33 66 216 69	111 74 201 449 503
1940 1939 1938 1937 1936		690 513 429 446 410	268 179 186 204 183	67 49 42 62 57	95 44 25 61 40	25 34 57 36 42	14 12 17 11 10	11 11 16 17 17	5 6 2	7 6 5 6 4	12 12 18 14 13	37 6 6 1 1	421 333 241 236 223
1935 1934 1933 1932 1931		252 152 147 156 366	114 86 73 80 171	35 28 23 24 50	21 18 19 9 20	26 17 6 14 37	6 4 6 7 17	1: 1: 1: 2:	9 0 6	4 3 3 4 6	8 7 6 6 14	1 1 2 1 3	135 64 73 74 190
1930		510 791 967 851 884 936	272 398 394 351 356 362	97 161 159 142 152 160	48 106 93 68 76 67	57 59 61 54 54 61	19 20 20 19 15	1' 1' 1' 1'	3 1	11 13 15 17 16 19	16 22 28 34 30 32	7 6 6 7 4 1	230 388 568 495 521 559
	<u>:</u>		Nonresiden	tial building	gs				·	Nonresiden	tial buildin	gs	
Year	Total	Total ²	Commer- cial	Industrial	Public and institu- tional	Resi- dential buildings	Year	Total	Total ²	Commer- cial	Industria	Public and institu- tional	Resi- dential buildings
	90	91	92	93	96-99	100		90	91	92	93	96-99	100
1924 1923 1922	695 674 570	274 281 259	110	68	109 99 98	393	1921 1920 1919	385 402 557	180 264 315	65 84 110	38 12: 15:	5 49	205 138 242

 $^{^{\}rm 1}\,{\rm For}$ early years, includes a small amount of floor space reported for public works and utilities.

 $^{^2}$ Includes theaters, not shown separately.

CONSTRUCTION AND HOUSING

Series N 101-110. Construction Bidding Volume (Engineering News-Record), by Type: 1913 to 1970

				Public	works			Private	buildings				
Year	Total volume	Water- works	Sewerage	Bridges	Earth- work, irrigation, drainage	Streets, roads	Buildings	Industrial	Commer- cial, multi-unit residential	Un- classified	Year	Total volume	Private industrial buildings
	101	102	103	104	105	106	107	108	109	110		101	108
1970	31,128 28,982 28,760 29,451 24,828	902 712 591 728 431	1,653 1,289 1,247 911 730	1,027 1,337 696 822 485	1,596 648 774 1,039 1,067	6,689 5,993 4,813 5,142 4,181	7,391 7,649 6,313 5,582 4,816	3,254 3,505 4,457 5,135 4,635	6,228 5,268 7,779 8,366 7,187	2,388 2,581 2,090 1,731 1,296	1929 1928 1927 1926	3,950 3,551 3,254 2,854	547 353 321 312
1965 1964 1963 1962 1962	24,025 21,895 21,370 22,123 21,981	401 470 460 391 431	685 790 950 777 819	347 540 640 601 651	1,407 1,138 1,055 1,075 804	4,096 4,259 4,070 4,037 3,712	4,197 3,176 2,810 13,490 13,427	3,632 3,708 2,750 2,544 2,817	7,888 6,405 7,165 7,376 7,636	1,372 1,409 1,470 1,832 1,685	1925 1924 1923 1922 1921	2,559 1,999 1,904 1,557 1,194	228 205 282 198 118
1960 1959* 1958 1957 1956	22,654 20,423 19,165 17,986 21,712	455 376 306 369 356	619 655 618 556 579	794 570 713 781 622	780 915 1,045 969 730	3,401 2,899 3,729 2,965 2,475	13,300 13,195 13,664 12,995 12,417	2,792 2,993 1,756 3,081 5,335	8,051 6,861 5,534 4,795 7,358	2,462 1,958 1,799 1,475 1,841	1920 1919 1918 1917 1916	1,528 1,176 993 739 933	453 381 261 175 260
1955 1954 1953 1953 1952	18,722 14,412 15,171 15,689 13,605	314 245 247 231 209	402 388 431 304 335	546 510 752 413 316	546 339 374 496 505	2,137 1,919 1,798 1,897 1,167	11,987 12,017 12,112 124,899 12,701	2,951 1,876 3,178 2,722 4,124	7,794 5,653 4,621 3,845 2,632	2,046 1,465 1,663 1,382 1,617	1915 1914 1913	585 583 601	91 38 41
1950	13,342 8,157 7,219 5,659 5,176	215 207 209 139 109	287 277 228 175 114	369 357 303 196 129	417 524 519 327 328	1,268 897 996 794 769	1 3,754 1 1,736 1,161 615 414	1,683 950 1,096 862 1,113	4,092 2,406 1,888 1,898 1,846	1,256 803 820 652 354		-	
1945	2,289 1,730 3,062 49,306 5,869	61 33 46 151 77	35 32 41 118 89	53 17 26 50 112	57 64 47 251 245	227 196 227 531 583	463 658 1,419 5,678 2,786	635 174 167 200 496	387 140 231 292 486	371 416 858 2,034 996			
1940	3,987 3,003 2,792 2,437 2,387	70 163 131 104 92	91 160 136 95 121	120 151 135 133 188	234 233 268 110 182	678 644 638 415 483	1,196 593 503 333 436	594 283 152 477 309	400 388 550 460 275	603 390 279 309 300			
1935 1934 1933 1932 1931 1930	1,590 1,361 1,068 1,219 2,432 3,173	81 92 67 35 57 49	100 61 22 25 73 83	98 99 98 84 116 131	259 266 137 101 143 77	325 345 288 380 545 585	298 204 121 241 384 356	172 105 152 93 166 331	109 81 106 166 561 1,034	148 106 77 95 387 528			

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ Includes contracts awarded for atomic energy plants as follows (in millions): 1949, \$247; 1950, \$2,020; 1951, \$123; 1952, \$2,829; 1953, \$72; 1954, \$19; 1955, \$131; 1956, \$86; 1957, \$64; 1958, \$84; 1959, \$241; 1960, \$59; 1961, \$82; 1962, \$106.

Series N 111-117. Indexes of Building Activity: 1830 to 1939

	Ne	w building	permits, va	alue	Dollar volume	units,	iwelling Blank = 100)		Ne	w building	permits, va	lue	Dollar volume	units,	lwelling Blank = 100)
		New	man	Riggle-	of new	(2020	100,			New	man	Riggle-	of new construc-		
Year	Long (1930 = 100)	In current prices (1920-30 = 100)	In 1913 prices (1913 = 100)	man-	tion, Newcomb (1920-29 = 100)	Number of units started	Permit valua- tion	Year	Long (1930 = 100)	In current prices (1920-30 = 100)	In 1913 prices (1913 = 100)	man-	tion, Newcomb (1920-29 = 100)	Number of units started	Permit valua- tion
	111	112	113	114	115	116	117		111	112	113	114	115	116	117
1939	78.8 70.6 67.0 59.4 39.8 21.4 19.0 28.0 78.8	10.8 14.0 40.5	22 28 71	12.63 15.77 41.55				1930 1929 1928 1927 1926 1925 1924 1923 1922 1921	100.0 187.3 199.1 214.4 289.6 252.3 213.3 212.7 167.6 107.6	56.5 100.3 114.3 118.5 130.9 137.7 119.9 116.4 94.3 61.1	86 149 170 176 194 204 173 167 151	54.49 97.55 109.16 113.36 128.49 135.95 115.50 113.20 92.49 60.81		100.0 165.5 172.8 192.3 208.1 193.9 193.7 155.5 94.2	100.0 153.9 173.3 190.1 207.0 187.1 178.5 140.3 83.3

Deduct \$400 million for cost savings on Portsmouth, Ohio, atomic energy plant originally estimated to cost \$1.2 billion.
 Add \$1,357 million for atomic bomb plants.
 \$1,800 million canceled by War Production Board.

Series N 111-117. Indexes of Building Activity: 1830 to 1939—Con.

	N	ew building	permits, va	lue	Dollar		dwelling Blank			New buil	ding	permits, va	lue	Dollar	Urban units	iwelling Blank
		New	man	Riggle	volume of new		= 100)	_			New	man	Riggle-	volume of new construc-		= 100)
Year	Long (1930 = 100)	In current prices (1920–30 = 100)	In 1913 prices (1913 = 100)	man- Isard (1920-2 = 100)	tion, Newcomb (1920-29	Number of units started	Permit valua- tion	Year	Long (1930 100)	= I curi pri	ent ces 0–30	In 1913 prices (1913 = 100)	man- Isard (1920-29 = 100)	tion, Newcomb	Number of units started	Permit valua- tion
	111	112	113	114	115	116	117		111	11	2	113	114	115	116	117
1920 1919 1918 1917	87.6 81.9 24.1 49.7	26.2	58 70 27 59	48.93 44.84 14.74 24.10	1	47.2 68.6 24.6 48.3	43.6 55.3 13.5 26.9	1	24 34 31	.3	2.6 9.3 7.6	55 84 76	12.87 17.02 15.75	16.0 16.0 17.0	55.1 77.8 67.9	20.5 29.3 24.7
1916 1915 1914 1913	74.2 62.8 56.1 62.3	31.2 29.9	100 94 92 100	37.56 30.26 28.8 32.1	3 3	101.3 101.0 93.2 96.2	54.2 50.4 44.4 47.2	1890 1889 1888 1887 1886	29 29 21 25 22	.0 1	7.5 5.4 1.2 1.8 2.9	75 63 46 47 51	18.11 17.06 13.83 14.40 13.24	17.0 16.0 15.0 14.0 13.0	84.5 88.3 74.7 91.1 82.1	31.7 38.3 25.2 32.8 29.1
1912 1911 1910 1909	69.2 65.5 64.9 65.6	35.6 33.2 34.5	108 104 109 125	35.3 32.7 33.9 35.6	36.0 37.0 35.0	105.9 106.4 106.7 118.5	52.7 50.9 53.8 60.4	1885 1884 1883 1882	19 17 17 16	.5 1 .3 1	1.2 0.5 0.4 8.9	47 44 39 33	11.60 9.97 10.13 8.99	11.0 10.0 11.0 11.0	71.8 63.5 52.9 38.2	25.6 20.2 19.6 18.6
1908 1907 1906	57.6 50.4 57.9	27.3 31.4 34.6	89 98 109	26.4 29.6 31.9	3 29.0 3 28.0 2 31.0	92.0 102.9 121.3	48.5 45.6 52.7 53.2	1881	15 11 8	.3	6.7 5.4 4.1	27 22 19 17	7.33 5.64 4.53 3.90	7.0 5.0	36.4 32.1 21.4	16.9 12.4 10.8
1905 1904 1903 1902 1901	36.9 36.0 35.3	22.9 19.8 18.4	80 71 69 66	29.6 22.0 18.2 17.9	25.0 22.0 21.0	83.6 59.9 49.5 75.1	32.6 24.1 21.7 30.3	1877 1876 1875	5 6 7	.5 .5	4.0 4.5 4.6 5.4	19 18 20	4.55 5.12 6.22	4.5 5.3 5.9	16.3 17.5 21.0 24.9	7.3 6.6 7.1 8.5
1900 1899 1898 1897	22.5 30.0 23.0 25.3	16.7 12.7 14.5	46 70 58 67	11.6 14.8 11.9 13.5	9 15.0 3 17.0 7 16.0	49.3 84.9 65.3 75.4	20.8 33.6 25.0 28.0	1872 1871	12 14 21	.6 .1 .5			6.42 11.97 12.30 15.41	8.2 10.2 13.2 13.8	24.5 25.8 27.3 39.3	8.0 8.9 13.0 20.2
1895 1894	23.4 28.0 21.0	16.5	60 73 55	12.6 15.2 11.5	5 17.0	58.7 73.6 54.4	23.3 27.7 20.9		17 20 17	.3			13.79 14.88 13.25	14.7 14.0 12.9	27.8	16.0
Year	buile Rigg	due of new ling permits, leman-Isard 0-29 = 100)	Yea	1	Value of new wilding perm Riggleman-Iss 1920-29 = 10	its, ard	l'ear	Value of n building per Riggleman-l (1920-29 =	mits, Isard	Year		Value o building p Rigglema (1920–29	ermits, n-Isard	Year	buildir Riggle	e of new g permits, man-Isard 29 = 100)
	_	114			114			114				114	1			114
1867 1866		10.55 8.92	1859 1858 1857		3. 6.	95 1849 70 1848			3.01 2.71	1841			1.28	1833 1832 1831	1	1.97 1.63 1.02
1865 1864 1863 1862 1861		6.10 3.91 5.34 3.34 3.68	1855 1854 1853		5. 6. 5.	94 07 1845 96 1844		:	2.08 1.41 .99	1839 1838 1837 1836			2.27 4.45	1830		.71
1860		5.29	1852 1851					:	.80 1.01	1835 1834	-		2.61 2.10			

Series N 118-137. Construction Cost Indexes: 1913 to 1970

[1967 = 100, except series N 137. Excludes Alaska and Hawaii for all years]

	Depart-	American	Associated	Е. Н. В	oeckh and A	ssociates		eering Record	Economic	griculture, Research vice	George A.	Handy-W	hitman pub	lic utility
Year	ment of Commerce composite	Appraisal Company	General Con- tractors	Resi- dences	Apart- ments, hotels, and office buildings	Commercial and factory buildings	Building	Construc- tion	Farm housing	Other farm con- struction	commer- cial buildings	Buildings	Gas plant	Electric light and power plants
	118	119	120	121	122	123	124	125	126	127	128	129	130	131
1970 1969 1968 1967 1966	122 114 106 100 96	124 116 107 100 95	126 114 105 100 96	122.4 116.2 107.3 100.0 94.3	124.4 116.1 107.0 100.0 94.3	123.1 114.5 106.8 100.0 93.9	124.4 117.7 107.4 100.0 96.9	128.9 118.7 107.9 100.0 95.2	108 100 96	118 115 106 100 96	127 116 105 100 98	121 118 105 100 97	117 110 104 100 97	119 110 104 100 96
1965 1964 1963 1962 1961	93 90 88 86 84	91 88 86 83 81	93 90 86 84 83	90.4 87.6 85.2 83.4 82.1	90.7 87.7 85.2 83.2 81.3	90.0 87.1 84.6 82.8 81.1	93.3 91.1 88.5 86.3 84.6	90.8 87.4 84.2 81.5 79.2	92 90 90 89 88	93 91 92 91 91	96 94 91 89 85	93 92 90 88 87	94 92 90 88 86	94 90 89 89 88

CONSTRUCTION AND HOUSING

Series N 118–137. Construction Cost Indexes: 1913 to 1970—Con. [1967 = 100]

	Depart-	American	Associate		Boeckh and	Associates		neering Record	Dept. of A Economic Ser	griculture, Research vice	George A	4.	iy-W	hitman pul	blic utility
Year	ment of Commerce composite	Appraisal Company	General Con- tractors	Resi- dences	Apart- ments, hotels, and office buildings	Commercial and factory buildings	Building	Construc-	Farm housing	Other farm con- struction	commer- cial building	-	ngs	Gas plant	Electric light and power plants
	118	119	120	121	122	123	124	125	126	127	128	129	•	130	131
1960 1959 1958 1957 1956	83 82 81 80 77	80 77 75 73 70	81 78 76 78	80 . 77 . 77 .	5 78.7 9 76.1 2 74.8	80.4 79.1 76.4 74.9 72.3	88.3 81.6 78.2 75.7 78.1	76.9 74.5 71.0 67.6 64.7	88 86 84 84 82	91 90 87 86 83	88 77 77	1 8 4	87 87 84 82 76	85 84 81 77 78	89 89 88 86 81
1955 1954 1953 1952 1951	73 71 71 69 68	67 65 64 61 59	67 64 62 55 58	70. 71. 69.	4 67.2 0 66.6 7 64.6	68.7 66.5 65.7 63.5 61.4	69.9 66.4 64.1 61.9 59.7	61.6 58.7 56.0 53.2 50.7	79 77 78 77 76	80 78 79 78 76	6 6 6 6	6 4 1	70 67 65 61 61	67 64 60 58 57	74 72 69 67 65
1950 1949 1948 1947 1946	62 60 60 54 45	55 54 54 47 85	54 52 51 41 89	59 61 54	8 55.5 4 54.8 6 48.6	54.6 54.0 47.8	55.9 52.4 51.3 46.6 39.1	47.7 44.5 43.0 38.6 32.3	69 64 67 62 49	69 72 73 67 54	5 5 5 5 4	6 7 6 2 3	56 54 51 45 38	52 50 48 43 36	58 54 51 46 40
1945 1944 1943 1942 1941	39 37 38 35 31	30 29 28 26 24	34 34 33 33	38 35 33 31	3 35.5 2 33.3 8 32.0 9 30.4	35.2 32.9 31.6 30.2	35.6 35.0 34.1 33.1 31.5	25.9 24.1	45 42 38 33 29	50 47 43 39 33	3 3 3 3	6 6 5 4 0	33 32 31 31 29	31 30 30 28	35 34 34 34 33
1940 1939 1938 1937 1936	29 28 30 30 28	23 23 22 22 19	2: 2: 2: 2: 2:	28 28 27 27 24	6 1 28.5 1 28.2 3 27.1 4 24.3	28.3 28.0 27.0 24.2	30.2 29.4 29.3 29.2 25.7	19.2	26 25 25 27 27	31 30 31 31 31 30	2 2 2 2	5	26 26 26 27 24	27 27 27 27 27 24	31 31 28
1985 1984 1933 1982 1981	27 28 25 23 27	18 17 17 17 20	2: 2: 2: 2: 3:	24 22 22 26	2 23.9 2 21.7 2 21.2 3 24.9	23.9 21.9 21.4 24.8	24.7 24.8 22.0 21.0 25.3	17.0	25 25 22 22 22 25	30 30 26 26 30	2 2 2 2 2	l l	24 24 21 21 23	23 23 21 21 23	27 25 25 26
1930 1929 1928 1927 1926	29 30 30 30 30	23 24 24 24 24	30 30 30 30 30	29 28 27 28	3 27.4 0 26.8 9 26.6	26.4 26.4	27.6 28.4 28.0 27.7 27.6	19.5	30 31 31 31 31 31	34 36 35 36 36	2 2 2 2 2 2	9	25 26 26 26 27	23 23 23 24 24	26 28 26 26 26 26
1925 1924 1923 1922 1921	30 30 30 27 30	24 24 25 23 24	30 30 20 30	28 28 25 27	3 26.5 7 27.1 7 24.5	26.7 26.8 24.0	27.2 27.6 27.7 23.1 24.7	20.0	31 31 31 29 28	37 36 35 33 33	2 2 2 2 2 2	8	27 29 26 23 26	25 26 24 22 27	27 27 26 27 27
1920 1919 1918 1917 1916 1915	37 30 27 23 18 16	31 26 20 16 13 11	3 3 2 2 2 1	26 23 19 16	9 25.4 2 22.3 5 19.7 6 16.4	25.4 23.1 21.0 17.2	30.8 23.6 23.7 24.9 19.5 14.2	16.9 12.1	39 36 29 24 20 18	46 41 36 30 25 22	2 2 2	5	34 29 29 28 19	29 27 25 21 15 13	22 18
Year	ICC, railroad construct	telepl	Bell Syste elephone p ione and to	ant.	Federal Highway Administra- tion	Turner Construc- tion Company	Year	ICC, railroad construction	Telej telephon	ell System phone plant e and telegr	aph H	Federal lighway ministra- tion	C	Curner onstruc- tion ompany	Average of contractor indexes (1913 = 100)
	132	13	3	plant 134	135	136		132	133	pla 13		135		136	137
1970 1969 1968 1967 1966	- - - - - 1		125.0 114.7 105.5 100.0 95.7	124.0 111.2 104.5 100.0 96.5	125.6 111.8 103.4 100.0 96.1	129 117 106 100 97	1955 1954 1958 1952 1951	81 79 79 76 73	-	.8 .7 .8 .7	81.5 78.5 77.7 76.4 74.8	74.2 76.4 81.0 84.1 81.7	-	71 71 72 71 68	413
1965 1964 1963 1962 1961	- - - -	96 95 95 95 95	91.9 88.9 86.5 84.4 83.6	91.1 89.8 89.3 87.2 87.1	90.3 86.9 86.4 84.3 80.7	94 91 89 87 86	1950 1949 1948 1947 1946	68 67 67 60 53	61 60 58 53		67.7 68.6 67.8 65.0 53.0	66.6 73.7 76.4 68.3 60.1		61 59 61 55 46	379 371 375 346 292
1960 1959 1958 1957 1956	-	96 95 93 91 87	83.5 82.6 81.0 78.9 76.6	88.9 86.4 84.4 85.9 86.0	80.0 82.0 85.5 87.7 84.0	85 84 83 83 78	1945 1944 1943 1942 1941	49 46 46 43 37	31 30 30	.7 .0 .2 .2	46.1 44.3 42.6 40.9 38.3	55.1 57.1 63.1 55.0 41.1		38 35 37 35 31	246 237 236 229 210

Series N 118–137. Construction Cost Indexes: 1913 to 1970—Con.

[1967 = 100]

	ICC, railroad	Bell S Telephor telephone ar	ne plant,	Federal Highway Administra-	Turner Construc- tion	Average of contractor indexes	÷	ICC, railroad	Federal Highway Administra-	Turner Construc- tion	Average of contractor indexes
Year	construction	Buildings	Outside plant	tion	Company	(1913 = 100)	Year	construction	tion	Company	(1913 = 100)
	132	133	134	135	136	137		132	135	136	137
1940	34 34	27.1 26.4 26.4 25.6 23.3	37.4 37.4 37.4 37.4 34.8	36.1 36.6 36.8 40.1 41.9	28 26 27 28 24	191 184 187 189 169	1925 1924 1923 1922 1921	41 42 42 39 43	54.3 57.1 59.6 53.5 58.7	28 28 28 25 26	199 198 196 174 187
1985 1984 1983 1982 1981	32 32 31 32 35	22.5 21.7 20.2 20.9 23.3	34.8 35.7 34.8 34.8 35.7	40.7 42.4 38.8 30.9 38.8	23 23 20 20 21	163 163 148 147 163	1920 1919 1918 1917 1916	53 44 39 33 27	70.8 54.5 49.2 40.7 35.5	36 28 24 21 18	232 184 176 151 128
1930 1929 1928 1927 1927	38 40 40 40 41	26.4	35.7	43.3 46.6 48.1 51.5 52.2	24 27 28 28 28	182 192 193 195 200	1915 1914 1913	25	33.5	14	113 102 100

Series N 138-139. Construction Cost Indexes: 1868 to 1933

Year	Building cost, Riggleman (1913 = 100)	Residential construction cost, Blank (1929 = 100)	Year	Building cost, Riggleman (1913 = 100)	Residential construction cost, Blank (1929 = 100)	Year	Building cost, Riggleman (1913 = 100)	Residential construction cost, Blank (1929 = 100)	Year	Building cost, Riggleman (1913 = 100)
	138	139		138	139		138	139		138
1933 1932 1931 1930 1929 1928 1927 1926 1924 1923 1924 1923 1922 1921 1920 1919	170.0 157.0 181.4 202.9 207.0 206.8 206.2 208.0 206.7 215.4 214.0 174.5 201.8 251.3 212.8 170.9	76.2 76.1 89.9 97.5 100.0 95.9 95.6 96.9 98.3 87.7 95.4	1916	115.6 100.9 98.3 100.0 90.7 93.4 96.3 90.9 97.2 100.6 95.1 90.6 87.4 84.0 83.8	57.0 53.5 52.2 51.9 53.8 52.5 53.2 51.4 49.5 51.1 48.9 44.5 42.5 43.0 41.5 40.1	1899 1898 1897 1896 1895 1894 1893 1893 1891 1890 1889 1889 1888 1887 1886 1885	74.4 67.5 66.5 68.3 69.8 69.2 71.1 70.9 73.3 75.3 75.3 77.8 78.1	38.5 35.9 34.4 35.1 34.9 35.4 36.7 36.7 36.8 37.9	1883 1882 1881 1880 1879 1878 1877 1876 1875 1874 1873 1872 1871 1870 1869	81.9 81.5 77.6 73.2 67.3 69.7 73.6 79.0 82.0 90.2 97.0 99.2 99.4

Series N 140-155. Indexes of Wholesale Prices for Construction Materials: 1926 to 1970 [1967 = 100]

	All construc-		d lumber			Building paper		shed roducts	Non- ferrous	Plumb-	Heating	Con	crete	Strue- tural	Gypsum	Asphalt
Year	tion mate- rials	Douglas fir	Southern pine	Millwork	Plywood	and board	Struc- tural shapes	Rein- forcing bars	metal products	ing fixtures ¹	equip- ment	Ingredi- ents	Products	clay products ²	products	
	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155
1970 1969 1968 1967 1966	112.5 111.6 105.6 100.0 98.8	108.7 131.7 120.3 100.0 96.8	114.7 126.0 113.7 100.0 100.2	116.0 117.8 105.8 100.0 98.0	108.5 122.5 115.7 100.0 104.0	101.2 105.5 100.9 100.0 100.8	115.3 108.1 101.8 100.0 99.9	110.3 100.3 99.3 100.0 100.8	125.0 113.5 103.5 100.0 100.0	112.5 107.3 103.3 100.0 98.1	110.6 105.4 102.7 100.0 99.8	114.6 106.7 103.2 100.0 98.1	112.2 106.5 102.6 100.0 97.7	109.8 106.2 102.6 100.0 98.2	100.0 103.6 103.6 100.0 99.6	102.9 102.8 103.1 100.0 102.1
1965* 1964 1963 1962 1961	95.8 94.7 93.6 93.4 93.7	92.3 93.1 91.5 88.1 85.6	91.2 89.6 89.5 89.8 89.9	96.0 96.7 92.7 90.7 90.8	103.5 103.5 104.8 103.6 107.3	100.9 102.3 104.4 105.8 109.7	96.2 96.2 94.1 93.4 93.4	99.7 91.5 90.3 99.7 104.8	95.3 87.6 82.0 82.1 83.0	93.3 91.3 90.5 90.6 93.4	98.9 99.2 100.2 100.5 101.8	97.5 97.1 97.3 97.5 97.1	96.3 95.7 96.5 97.3 97.2	96.6 95.8 95.5 95.0 94.2	101.2 105.3 102.5 102.1 101.0	98.7 94.5 95.7 100.9 104.9

See footnotes at end of table.

CONSTRUCTION AND HOUSING

Series N 140-155. Indexes of Wholesale Prices for Construction Materials: 1926 to 1970—Con.

[1967 = 100]

•	All construc-	Softwoo	d lumber	-		Building paper	Fini steel p	shed roducts	Non- ferrous	Plumb-	Heating	Con	crete	Struc- tural	Gypsum	Asphalt
Year	tion mate- rials	Douglas fir		Millwork	Plywood	and board	Struc- tural shapes	Rein- forcing bars	metal products	ing fixtures ¹	equip- ment	Ingredi- ents	Products	clay products ²	products	
	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155
1960	95.5 97.1 94.0 94.1 94.1	89.3 97.7 85.7 87.8 97.0	98.9 95.4 92.3 93.7 97.5	93.1 92.6 87.3 87.4 88.0	109.6 115.5 110.9 110.0 116.0	110.3 110.8 108.5 107.2 108.7	93.4 93.4 91.4 87.7 76.2	107.3 107.8 105.4 101.7 93.8	85.9 84.2 79.0 85.0 96.5	93.3 91.9 87.5 92.0 94.7	105.8 107.9 107.4 108.4 105.9	97.0 95.7 94.8 92.7 89.0	97.2 96.1 94.9 93.6 91.1	93.7 92.2 90.1 89.4 88.1	99.1 99.0 98.2 94.6 94.6	97.4 105.7 102.4 111.1 101.4
1955	90.4 86.6 86.4 85.2 86.2	97.5 89.2 87.6 95.1 96.1	94.2 90.5 94.7 95.6 94.7	87.7 88.9 89.6 86.5 88.7	120.4 117.7 124.8 119.8 131.4	99.1 96.7 91.9 87.4 85.9	71.0 67.3 64.7 61.3 60.0	87.8 84.9 77.9 70.0 68.1	88.3 76.8 77.3 76.3 76.8	88.7 83.7 82.0 83.1 86.6	102.5 101.8 102.3 101.8 102.0	85.2 82.5 80.1 77.1 77.1	88.0 87.1 85.5 83.4 83.3	83.8 80.5 79.2 77.8 78.0	90.9 90.9 90.1 87.5 87.4	96.3 94.5 97.4 93.4 95.2
1950	78.9 73.5 75.0 67.7 49.6	87.8 71.2 81.5 71.4	88.3 78.7 87.1 79.5	78.2 73.4 71.7 59.4 46.3	121.5 108.6 124.3 109.4	81.5 78.9 77.9 70.4	56.6 52.8 48.1 89.5	64.0 61.9 55.6 48.3	64.4 61.0 65.4 59.1 43.0	76.5 72.6 72.6 67.0 56.0	98.5 92.2 90.1 84.9	72.8 71.8 69.5 63.5 58.1	78.2 76.4 74.7 71.3 62.7	72.1 69.0 67.1 62.3	77.8 76.1 76.8 70.3	92.0 93.4 93.6 85.4 74.9
1945	44.2 43.3 41.8 41.3 88.7			41.0 40.7 39.5 39.2 35.8					37.3 37.3 37.4 37.2 36.6	52.5 52.9 55.0 56.6 51.0		55.7 54.3 53.5 53.5 52.0	59.2 59.2 59.2 59.2 57.3			71.6 70.3 69.6 69.7 71.5
1940	35.5 33.9 33.8 35.7 32.5			31.4 28.8 29.3 32.6 27.2					35.2 34.0 31.7 38.9 31.1	50.0 47.1 47.1 47.7 46.7		51.5 51.7 51.8 51.5 51.7	49.3 55.4 55.6 60.6 60.3			69.3 63.5 61.4 76.0 69.5
1935	32.0 32.4 28.9 26.9 29.8			25.3 25.6 24.6 23.4 23.8					29.8 29.4 25.9 21.7 26.9	40.9 46.8 44.8 45.7 56.1		51.6 51.3 48.4 44.5 46.8	56.7 62.1 62.1 61.2 66.3			70.5 67.2 62.4 61.0 66.6
1930 1929 1928 1927 1926	33.7 35.8 35.3 35.6 37.5			28.4 30.1 29.9 30.0 30.0					35.9 46.2 40.9 40.4 43.4	59.5 62.8 66.4 65.3 72.9		51.3 51.0 50.7 45.0 46.3	70.4 69.4 70.5 70.5 70.5			64.3 62.8 71.2 79.5 84.3

^{*} Denotes first year for which figures include Alaska and Hawaii.
¹ Includes brass fittings.

² Excludes refractories.

Housing (Series N 156-307)

N 156-169. New housing units started, by ownership, type of structure, location, and construction cost, 1889-1970.

Source: U.S. Bureau of the Census, 1889–1962, Housing Construction Statistics, 1889 to 1964, tables A-1 and A-5; 1963–1970, Construction Reports, Housing Starts, series C 20-73-7, July 1973.

The data for 1889–1919 are from David M. Blank, The Volume of Residential Construction, 1889–1950, Technical Paper No. 9, National Bureau of Economic Research, 1954; data for 1920–1929 are from David L. Wickens and Ray R. Foster, Nonfarm Residential Construction, 1920–1936, National Bureau of Economic Research, Bulletin No. 65, 1937. The data for 1930–1944 are from U.S. Department of Labor, Construction, 1948 in Review, Bulletin No. 983, 1950; data for 1930–1936 represent a revision by the Bureau of Labor Statistics of the Wickens-Foster data. Data for 1945–1970 are Census Bureau estimates derived from its monthly estimates based on building permits and supplemented by sample surveys of housing starts in nonpermit-issuing areas. Data for 1945–1958 are revisions of data from the Bureau of Labor Statistics; detail data, such as number of units by type of structure, are not available for these years.

For methods used by Blank and Wickens-Foster, see the sources. Blank's data are based on a comprehensive tabulation of historical building permit data collected by the Works Progress Administration and made available by the Bureau of Labor Statistics (BLS). For methods used by BLS, see BLS Bulletin No. 1168, Techniques of Preparing Major BLS Statistical Series, December 1954, chapter 2.

Basically, compilation of the housing starts series depends on four steps. First, an estimate is made of the number of housing units for which building permits have been issued in all permit-issuing places each month. For the country as a whole, about 85 percent of the private housing units were constructed in permit-issuing places in recent years. Since 1967, the series have pertained to approximately 13,000 places identified in 1967 as having local building permit systems. Coverage from 1963 to 1967 was based on a permit-issuing universe of 12,000 places, identified as permit-issuing in 1962. Back to 1959, the series relate to the 10,000 places identified as permitissuing in 1959. Prior to 1959, 6,600 places was the universe. ond, a survey is made each month in a sample of permit places. In each place, a sample of building permits is selected each month and an inquiry is made of the owner or the builder to find out whether and when the units covered by the permits have been started. From this sample of permits, ratios are calculated, by type of structure, of the number of units started to the number of units covered by permits. These ratios are then applied to the total number of units authorized by permits in the corresponding months to provide estimates of the total number of units started each month with permit authorization. Third, the estimates of the number of one-family units started in each month with permit authorization are adjusted upward by 3.3 percent to take care of the units started within permit-issuing areas but without permit authorization. The fourth step in estimating total housing starts is to estimate the number of units started in areas where building permit systems do not exist. In a sample of 100 areas, visits are made to a select group of persons who are presumed most likely to know about local housing activities. A list is obtained from them of all residential buildings they know to have been started within the nonpermit portions of these areas during the preceding month. Within those portions of the sample area, a subsample of areas is canvassed for all units started since the previous month, identifying those not reported by the sources as well as those reported by them. This canvass provides a basis for estimating the number of units not reported by the local sources. The number of units not reported is then added to the number of units reported, to provide an estimate of total housing starts in areas not covered by building permit systems.

The housing units covered in these series are permanent house-keeping units in new residential structures. Excluded are temporary units; accommodations without housekeeping facilities such as transient hotels, dormitories, and clubhouses; mobile homes, trailers, house-boats, sheds, and shacks used for housing purposes; units provided by conversion of existing structures; and housing units in nonresidential structures such as factories, warehouses, or public buildings.

For regional estimates of the number of new private nonfarm housing units started, 1920-1950, see Leo Grebler, David M. Blank, and Louis Winnick, Capital Formation in Residential Real Estate: Trends and Prospects, Princeton University Press, 1956, table H-1. Regional estimates for later years appear in Bureau of the Census, Construction Reports, series C 20.

N 157-158, new housing units started, by ownership. For bases of estimates for privately financed housing units, see text for series N 156-169. Publicly owned housing includes housing units in buildings for which construction contracts were awarded by Federal, State, or local governments. Information on public housing is obtained, for the most part, from the agencies involved, e.g., Department of Housing and Urban Development, Department of Defense, New York City Housing Authority, and others. The criterion for classifying housing units as public is ownership of the facilities rather than the source of funds. Thus, low-rent housing projects owned by local housing authorities are classified as public even though they may be financed by local bonds issued to private investors, and military housing units owned by the Department of Defense are also classified as public even though they may be financed by mortgages held by private lending institutions. Figures exclude temporary dwellings built during the defense period and World War II (1940's), veterans temporary re-use housing (see text for series N 186-191), and temporary structures on military posts and similar installations. Units in structures built by private developers for sale upon completion to local public housing authorities under the Department of Housing and Urban Development "Turnkey" program are classified as private housing.

N 162-163, new housing units started, by location. The distribution of housing starts between units inside and outside standard metropolitan statistical areas (SMSA's) is based on the definitions published by the Office of Management and Budget in Standard Metropolitan Statistical Areas. Data for 1959-1960 are based on 1959 definitions; for 1961-1963 on 1961 definitions; for January 1964-March 1968 on 1964 definitions; and for April 1968-1970 on 1967 definitions. The term, "urban" was applied to all incorporated places with a population of 2,500 or more and to a relatively small number of areas urban under special rule. "Rural-nonfarm" housing included all housing (except farm housing) in unincorporated areas and in incorporated places of less than 2,500 inhabitants. This classification for 1920-1929 was based on the 1930 Census of Population and for 1930-1944 on the 1940 census. This classification system was abandoned in 1954 because of the difficulties of resolving differences between the geographic areas used for building permit systems and the urban areas as newly defined in the 1950 census. Beginning in 1950, housing starts have been classified by those inside and outside the standard metropolitan statistical areas.

N 164-169, construction cost. The construction cost data for the privately owned units are not reported directly but are based on permit valuations adjusted for understatement of construction cost

and relationship between costs in permit places and nonpermit areas. They cover the cost of labor, material, and subcontracted work, and that part of the builder's overhead and profit chargeable directly to the building of the housing units started. Included is the cost of equipment which becomes an integral part of the housing unit and is essential to its general use. Excluded are the costs of land, site improvement, architectural fees, and sales profit.

The data for the publicly owned units are based on contract award values or estimated construction costs for individual projects, as reported by the several agencies administering the various public housing programs.

The source, Housing Construction Statistics, 1889 to 1964, was designed as an historical supplement to the current data issued by the Bureau of the Census in three publication series of its Construction Reports program—Housing Starts, series C 20; Building Permits, Housing Authorized in Individual Permit-Issuing Places, series C 40; and Building Permits, Housing Authorized in Permit-Issuing Places, Summary Statistics, series C 42.

N 170. Mobile home shipments, 1947-1970.

Source: U.S. Department of Housing and Urban Development, HUD Statistical Yearbook, annual issues.

Statistics on manufacturers' shipments of mobile homes are provided by the Mobile Home Manufacturers' Association, and include estimates for firms not associated with the MHMA. Mass production of 10-foot wide homes began in 1955; 12-foot wide homes in 1962.

Manufacturers' shipments of mobile homes are included in this volume because an addition to the housing supply is made by mobile homes as well as by the construction of new housing units. Some of the mobile homes, however, are used as seasonal homes and second homes and do not add to the supply of housing units occupied as usual places of residence. Furthermore, some are used for non-residential purposes. The number of mobile homes used in these ways is not now known.

N 171-179. New publicly owned housing starts, by ownership and program, 1949-1970.

Source: U.S. Bureau of Domestic Commerce, Construction Review, monthly issues.

These series, which are compiled by the U.S. Bureau of the Census, represent an actual count of publicly owned housing starts as reported by the Public Housing Administration (PHA), the Defense Department, the New York City Housing Authority, and other State and local housing authorities. Publicly owned housing units were not reported separately until 1935. It is considered that the volume of permanent publicly owned housing units prior to 1935 is insignificant. Housing provided under the Federal emergency programs, including those of World War II, consisted largely of units in temporary or converted structures and, therefore, are not included in the permanent units shown. Type of program data, i.e., Federal, State, or local, are not available for publicly owned housing prior to 1949.

N 180-185. Privately owned housing units in major Federal programs, 1935-1970.

Source: All series except N 181 and N 185, U.S. Housing and Home Finance Agency, 1935–1956, Annual Report, 1956, tables A-6, A-37, A-42, and A-54; 1957, Annual Report, 1957, tables A-7, A-48, A-53, and A-68; 1958–1963, Annual Report, 1964, table III-3; 1964–1970, U.S. Department of Housing and Urban Development, 1970 HUD Statistical Yearbook, tables 146, 160, 162, and 164. Series N 181 and N 185, U.S. Veterans Administration, Loan Guaranty Service, unpublished data.

Figures are based on reports of the agencies administering the programs. The Federal Housing Administration (FHA) and the Veterans Administration (VA) are agencies which insure or guarantee loans made by private lenders.

N 180-181, new privately owned units started under FHA and VA. Data are based on monthly reports of these agencies. These reports are based on the first of several inspections of newly started units required by the agencies, the timing of which coincides roughly with the definition of housing starts by the Bureau of Labor Statistics and the Bureau of the Census.

The figures may be used roughly to derive the units started under FHA and VA as a percentage of all private housing starts. However, an unknown number of units started under FHA or VA inspection is sold later for cash or with conventional (uninsured or unguaranteed) mortgage loans. On the other hand, the number of units started under the FHA program understates the role of FHA inasmuch as previously unoccupied (new) houses, for which the builder did not apply for FHA insurance before construction, are classified by FHA as "existing construction" when the houses are sold later with FHAinsured loans. In 1956, about one-fifth of the FHA units classified as "existing construction" were previously unoccupied (new). However, by 1970, such previously unoccupied (new) units amounted to less than 3 percent of those classified under "existing construction." For problems of coverage and comparability, see Department of Commerce and Department of Labor, Construction Review, "FHA and VA Housing Statistics and the Housing Market," June 1957.

N 182-185, new and existing privately owned units covered by loans under FHA and VA. Data are based on monthly reports of these agencies and refer to loans on both new and existing construction at the time such loans were closed or actually insured. FHA "homes" include 1- to 4-family dwellings; FHA "rental projects" include structures having 5 or more dwelling units. Practically all VA loans are on single-family dwellings. The VA program was authorized in 1944 and the small 1944 activity is included in 1945.

N 186-191. Low-rent public housing units, by progress stage, and war and defense housing and veterans housing units available for occupancy, 1941-1970.

Source: U.S. Department of Housing and Urban Development, Housing and Mortgage Credit-FHA, *HUD Statistical Yearbook*, various issues.

These data comprise low-rent, publicly financed housing units occupied or available for occupancy, units to be constructed, and units that were to go directly under management since they needed no rehabilitation. The data are not comparable with series N 156–159 which relate to new construction starts and include all publicly financed units (Federal, State, and local).

N 192-195. Nonfarm dwelling units standing and selected components of change, 1890-1950.

Source: Leo Grebler, David M. Blank, and Louis Winnick, Capital Formation in Residential Real Estate: Trends and Prospects, Princeton University Press, 1956, tables 15 and A-1 (copyright, National Bureau of Economic Research, New York).

Estimates do not represent all components of change in the nonfarm housing inventory; that is, the units added through new construction or conversion minus the units destroyed through demolition or disaster losses during a certain period do not equal the net change in the inventory during the same period. This difference is due mainly to the following factors: (1) The net change in the nonfarm housing inventory reflects the reclassification of farm dwellings, as farmland is absorbed in suburban and urban development; (2) the inventory includes temporary dwelling units, shacks, trailers, and dwellings in nonresidential buildings such as factories or warehouses, which are not included in the estimates of housing starts; (3) the periods of the inventory estimates are not fully reconcilable with the calendar-year estimates of new or converted units and of demolitions; (4) minor changes in census definitions; and (5) deficiencies of estimates, particularly for conversions and demolitions. For a reconciliation of the net change in inventory and the various components

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of change for 1930–1939, see Bureau of Labor Statistics, Serial No. R. 1421, "Housing and the Increase in Population," 1942. For a similar reconciliation for 1940–1949, see Grebler-Blank-Winnick (cited above), appendix A and appendix D, especially table D 4.

N 192, dwelling units standing. Estimates for 1890–1920 are based on David L. Wickens, Residential Real Estate, National Bureau of Economic Research, 1941, p. 55. The 1890 and 1900 estimates apply to June 1, the 1910 estimate to April 15, and the 1920 estimate to January 1. The data were derived by dividing Wickens' estimates of nonfarm private families (now termed households) by the occupancy ratios implicit in Wickens' vacancy estimates. The estimate for 1930 applies to April and is based on figures in the Bureau of Labor Statistics Bulletin cited above, p. 12. The 1940 and 1950 figures apply to April 1 and are from the Sixteenth Census of the United States: 1940, Housing, vol. II, part 1, p. 10, and U.S. Census of Housing: 1950, vol. I, p. 3.

N 193-194, units added during period. For certain periods, the number of "new units" shown for series N 193 varies from the estimated number of permanent dwelling units started as shown for series N 156. Only for 1890-1919 is there exact agreement as both series for this period are based on the same sources using the same concepts and definitions. A slight difference for 1920-1929 is due to varying estimates for the year 1920. The differences for later periods reflect mainly the factors outlined above under (2) and (5).

N 195, units demolished or destroyed during period. The 1940–1949 estimate is designated in the source as a "preliminary estimate by an interdepartmental committee of Federal agencies," but no revision of it was made thereafter.

N 196-199. Nonfarm residential wealth, 1889-1953.

Source: See Grebler-Blank-Winnick source for series N 192-195, table D-1, columns 1, 2, 4, and 5.

Estimates are for housekeeping dwellings, i.e., do not cover transient hotels, clubs, motels, dormitories, and similar facilities. For an alternative estimate of nonfarm residential wealth, see series F 422-460

N 197-198, structures. The value of structures in 1929 dollars was obtained by adding to an estimate for the end of 1889 annual estimates of net capital formation in constant dollars (shown in table B-8 of the source). The initial estimate for the end of 1889 is based on the average value of owner-occupied nonfarm mortgaged homes reported in the 1890 Census Report, *Real Estate Mortgages* (see pp. 364-365 of the source). The value of structures in current dollars was obtained by adjusting the value in constant dollars by use of the construction cost index given in series N 121 and N 139.

N 199, land. Estimates are based on ratios of land value to total property value, i.e., land and structures, which are estimated to have declined from 40 percent in 1890 to 16.9 percent in 1953, with the move to the suburbs accounting for most of this trend. According to the source (appendix D, p. 364), the ratios are "based on Federal Housing Administration appraisal data and tax assessment data from a number of cities which permit the separation of residential from other real estate. These data do not extend back of the thirties but, together with the bench-mark estimate for the twenties and one for 1907, are sufficient to approximate both the level of the ratio and the direction of the trend." The estimates are fully explained in Louis Winnick, Wealth Estimates for Residential Real Estate, 1890–1950, unpublished doctoral dissertation, Columbia University, 1953.

N 200-215. Value of gross and net stocks of residential structures in current and constant (1958) dollars, 1925-1970.

Source: U.S. Bureau of Economic Analysis, Survey of Current Business, November 1971, pp. 24-25.

Constant-cost (or "real" or "physical-volume") capital stock

measures are derived by valuing all assets at the prices of a specific period (1958 prices in these series) regardless of their actual prices in the years of original purchase. To calculate constant-cost stocks, the gross investment flows must be expressed in constant prices. This is done by applying appropriate price indexes to the current-dollar investment flows. The constant-cost stock measures the physical volume of residential capital.

Beginning with 1963, the current-dollar residential investment series which are components of the gross national product (GNP) are deflated by the Census Bureau's price index for new 1-family houses. Data for years prior to 1963 are deflated by a privately compiled residential construction cost index.

Estimates of gross stocks were derived by using the perpetual inventory method. This method cumulates past flows of residential investment and deducts the investment discarded from the stock. To illustrate, assume a constant rate of investment of \$10 million per year in a new type of residential structure with a life of 40 years. Abstracting from price changes, the gross stock of this type of structure, calculated as the difference between cumulated past investment and cumulated discards, would equal \$10 million at the end of year 1, \$20 million at the end of year 2, and so on, reaching \$400 million at the end of year 40. In succeeding years, the stock would stay at \$400 million as annual investment was offset by annual discards. Under this "gross" concept, an asset enters the stock with a specific value and carries that value as long as it is in the stock. In other words, assets in the gross stock are not adjusted for any physical wear and tear or obsolescence which may occur during their lives.

Net stock measures, on the other hand, represent the depreciated value of the capital stock. There is no general agreement as to the correct method of computing economic depreciation, the value of productive services of an asset used up each year. One widely accepted accounting method uses the "straight line" pattern, which assumes equal dollar depreciation each year over the life of the asset. Another important method uses the "declining balance" pattern, which assumes equal percentage depreciation each year over the life of the asset. The annual declining balance depreciation charge for an asset will equal a certain fixed percentage of the net (depreciated) value of the asset at the beginning of the year.

The depreciation method used here to compute the net stock estimates was of the declining balance type. A rate of 2 percent per year was applied to the net value of 1–4 unit structures and 2.4 percent per year to the net value of housekeeping structures with 5 or more units. These rates are consistent with the evidence provided in several studies conducted in the 1930's which shows that depreciation of residential housekeeping structures tended to follow a declining balance formula with the annual rate of depreciation in the neighborhood of 2 percent of the net value.

The depreciation rates used for nonhousekeeping residential structures and mobile homes are higher, because of the shorter service lives involved. For all types of residential capital, the declining balance depreciation rates used in this study are equivalent to roughly 1½ times the first year percentage depreciation under straight line method.

The current-dollar value of the total stock of residential structures increased from \$80 billion in 1925 to \$800 billion in 1970. About five-sixths of this increase was due to price increases, while about one-sixth represented growth of the real net stock.

Several fairly distinct periods of price change can be identified. In the late 1920's, prices changed little and the increase in the current-dollar net stock was due almost entirely to an increase in the real stock. On the other hand, virtually all of the 25 percent drop in the current-dollar stock from 1929 to 1934 was due to a decrease in the price level, and price increases accounted for virtually all of the doubling in value of the stock between 1934 and 1945.

About three-fourths of the increase in the current-dollar net stock since 1945 has been due to inflation. Price increases were particularly significant in the growth of the stock in the immediate postwar period and in the 1960's, but during the 1950's the growth of the real net

stock accounted for 60 percent of the increase in the current-dollar stock

The Nation's stock of housing has been and continues to be composed predominantly of 1-4 unit structures, most of which are single-family houses. At the end of 1970, private nonfarm 1-4 unit structures accounted for 81 percent of the value of the constant-dollar gross stock of residential structures. Privately owned apartment buildings (structures with 5 or more units) formed the next largest component, accounting for 9 percent of the stock. Farm housing accounted for 4 percent of the stock, while public housing, mobile homes, and private nonhousekeeping residential structures each accounted for about 2 percent.

The annual investment flows used in implementing the perpetual inventory method were those which enter the estimates of the GNP beginning 1929 and are taken from the following sources: The National Income and Product Accounts of the United States, 1929-65, Statistical Tables, and July issues of the Survey of Current Business.

See also text for series F 470-534.

N 216-231. Mean age of stocks of residential structures, 1925-1970.

Source: See source for series N 200-215.

Information on the age structure of capital stocks is useful in analyzing the condition of the housing stock. Three measures of age structure are presented in the source: The ratio of net to gross stocks, the age distribution of the gross stock, and the average age of gross and net stocks, which is presented here. The net/gross ratios show the extent to which the services available in new residential capital remain intact, while the average age provides information on the absolute ages of gross and net stocks. These two measures can be used interchangeably for many purposes, but each of them also provides specific information. The age distribution of the gross stock shows the proportion of the stock that is of a given age.

The data on the age structure of the gross stock show the effect of the curtailment of residential investment in the depression and World War II years and of the boom in the postwar years. average age of the gross stock of residential structures increased from 27 years in 1925 to 34 years in 1945. The average age has since declined until in recent years it has approached the level of the late 1920's. The average age of the gross stock of private apartment structures (5 or more units) increased from 15 years in the late 1920's to 26 years by the end of World War II. This trend continued until 1958, when the average age was almost 30 years. As a result of the boom in apartment construction in the 1960's, the average age had declined to 20 years by 1970. In 1970, over half of the gross stock of private apartments had been built in the past ten years. Farm housing, the oldest component of the stock, has steadily increased in age. More than half of the gross stock in 1970 was over 50 years of age.

See also text for series F 470-534 and N 200-215.

N 232-237. Comparison of residential wealth estimates, 1890-1950.

Source: See Grebler-Blank-Winnick source for series N 192-195, table D-3.

There are basically two procedures for estimating residential wealth (as well as other wealth components). One procedure uses a benchmark estimate of wealth in an initial year and adds to it the yearly net capital increments. This procedure yields cumulated wealth estimates, series N 232-234. The other procedure is based on census or similar estimates of wealth at different dates, benchmark wealth estimates, series N 235-237. For a description of the conceptual and estimating problems involved in these two procedures and for the sources of the estimates, see appendix D of the source.

The juxtaposition of wealth estimates derived by various methods indicates clearly the fairly large variations that may result from the employment of these methods, and should caution the user against placing excessive confidence in any particular wealth figures.

N 238-245. Occupied housing units and tenure of homes, 1890-1970.

Source: U.S. Bureau of the Census, 1890–1950, except 1910 and 1945, U.S. Census of Housing: 1950, vol. I, part 1, tables J and L; 1945, Special Census Reports on Housing, "Characteristics of Occupied Dwelling Units for the United States: November 1945," series H 46, No. 1; 1956, National Housing Inventory, Components of Change: 1950–1956; 1960 and 1970, U.S. Census of Housing: 1960, vol. I, part 1 and 1970, vol. I, part 1. The 1910 figure for farm population, series N 239, is an estimate which appears in Leon E. Truesdell, Farm Population of the United States, 1920, Census Monographs VI, Washington, D.C., 1926, p. 45. The 1910 figure for nonfarm population was derived by subtracting the estimated farm population from the total population.

The first nationwide census of housing was taken in 1940. In 1940, 1950, 1956, 1960, and 1970, a housing (dwelling) unit was defined in general as the living quarters occupied or intended for occupancy by one household. Figures for 1890 to 1930 rest on the fairly close correspondence between the concept of occupied housing unit used in the housing censuses since 1940 and concepts used in previous censuses of population. Perfect comparability of all the figures in the series is not possible because of various relatively minor changes in definition. The figures for 1890, 1910, and 1920 include the small number of institutions, hotels, military installations, dormitories, etc., which were not included in the counts for any of the other years. For 1940, 1960, and 1970, the count of occupied housing units includes living quarters with five lodgers or more whereas for 1950 and 1956 such living quarters were not included.

For all years, the figures for population per occupied housing unit were obtained by dividing the total population by the number of occupied housing units. The figures for 1950–1970 shown here are not identical with the population per occupied housing unit as shown in the census volumes because the latter figures were derived by dividing the total population living in occupied housing units by the number of occupied units.

The number of occupied housing units is closely comparable to the number of households as shown in series A 288. Since 1950, the number of occupied housing units has been identical by definition to the number of households. The small difference between the number of households and the number of occupied housing units is due to occasional errors in the separate tabulation processes of the census of population and the census of housing. In 1940, small differences existed by definition between the number of occupied housing units and the number of households. The usual occupants of a housing unit who were temporarily away and were enumerated elsewhere were included in the count of households but their housing unit was not considered to be occupied. In addition, a small number of lodginghouses in 1940 (those with 11 or more lodgers) were counted as occupied units, but the heads of these units were not counted as household heads. The figures shown for occupied dwelling units for 1890-1930 are identical to those shown for heads of households in series A 288.

With reference to the farm-nonfarm classification, enumeration of the 1960 and 1970 censuses was conducted primarily through self-enumeration; however, enumerators in the National Housing Inventory of 1956 and the 1950 census were specifically instructed to base the classification of a dwelling unit on the respondent's answer to the question, "Is this house on a farm?" Farm residence was, therefore, determined without regard to the occupation of the members of the household. Housing units located on farmland for which cash rent was paid for the house and yard only, and housing units on institutional grounds and in summer camps and tourist courts, were classed as nonfarm, regardless of the answer to the foregoing question.

For 1960 and 1970, occupied housing units were classified as farm units if they were located on places of 10 or more acres from which sales of farm products amounted to \$50 or more in 1959 and 1969, respectively; or on places of less than 10 acres from which sales of farm products amounted to \$250 or more in 1959 and 1969, respectively.

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For 1930-1950, "farm" consists of rural-farm units only. The classification "rural farm" used in 1950 differs slightly from that used in 1940. As a result, there was, in 1950, an expansion in the urban fringe of cities, tending to reduce the number of farms. On the other hand, in 1940 some areas were classified as urban which were not so classified in 1950. Thus, the differences partly offset each other. In addition, the number of farms was reduced in 1950 by the exclusion of renter-occupied units on farms paying rent for the use of house and yard only.

A housing unit is classified as owner occupied if it is owned wholly or in part by the head of the household or by some related member of his family living in the housing unit. A cooperative or condominium unit is owner occupied only if the owner or co-owner lives in it. All other occupied units are renter occupied whether or not cash rent is actually paid.

N 246-258. Housing units vacancy rates, by region, 1940-1970.

Source: U.S. Bureau of the Census, 1940, U.S. Census of Housing, vol. II, part 1, table 28; 1950, U.S. Census of Housing, vol. I, part 1, table 17; 1956–1970, Current Housing Reports, Housing Vacancies, series H 111, No. 43, tables F and 1 and series H 111-73-5, tables 1 and 4.

A housing unit is vacant if no one is living in it at the time of enumeration, unless its occupants are only temporarily absent. In addition, a vacant unit may be one which is entirely occupied by persons who have a usual residence elsewhere. New units not vet occupied are classified as vacant housing units if construction has reached a point where all exterior windows and doors are installed and final usable floors are in place. Vacant units are excluded if unfit for human habitation, that is, roof, walls, windows or doors no longer protect the interior from the elements, or if there is positive evidence (such as a sign on the house or in the block) that the unit is to be demolished or is condemned. Also excluded are quarters being used entirely for nonresidential purposes, such as a store or an office, or quarters used for storage of business supplies or inventory, machinery, or agricultural products. Vacant sleeping rooms in lodging houses, transient accommodations, barracks, and other quarters not defined as housing units are not included in these series.

Homeowner vacancy rate. The percentage relationship between the vacant units for sale and the total homeowner inventory is termed the homeowner vacancy rate. It is computed by dividing the number of vacant units for sale by the total homeowner units. The total homeowner units comprise owner-occupied units, vacant units sold and awaiting occupancy, and the vacant units for sale. Vacant units that are seasonal or held off the market are excluded. Vacant units for sale that were rated as dilapidated are also excluded.

Rental vacancy rate. The percentage relationship of the vacant units for rent to the total rental inventory is termed the rental vacancy rate. It is computed by dividing the number of vacant units for rent by the total rental units. Total rental units comprise renter-occupied units, vacant units rented but not yet occupied at the time of enumeration, and the vacant units for rent. Excluded are seasonal vacant units, units held off the market, and vacant units rated as dilapidated.

Year-round vacant units are those intended for occupancy at any time of the year, even though they may not be in use the year round. In resort areas, a housing unit which is usually occupied on a year-round basis was considered a year-round unit. On the other hand, a housing unit located in the closely built-up area of a nonresort city was considered a "year-round" unit even though it may be occupied only part of the year.

Seasonal housing units are those intended for occupancy during only a season of the year and are found primarily in resort areas. In farm areas, housing units used for only a portion of the year to house migratory workers employed during the crop season are classified as seasonal.

The enumeration of vacant units in the 1950 Census of Housing

was not entirely comparable with the procedures used in 1940 nor with those used in the Current Population Survey to obtain the data for 1956–1970. In 1950, all vacant units, whether or not dilapidated, were included if they were intended for occupancy as living quarters. Where there was little or no demand for housing, many houses were not enumerated because they were used for storage or were abandoned and no longer intended for occupancy as living quarters.

N 259-261. General note.

The development of price indexes for any kind of urban real estate is unusually difficult because of the great heterogeneity of the product and the local nature of real estate markets. The problem of heterogeneity is somewhat less serious in the case of 1-family houses. For a discussion of the conceptual difficulties of using construction cost indexes for measuring price changes for homes and of distinguishing between prices for new and old homes, see Grebler-Blank-Winnick (cited as source for series N 192-195), appendix C. Only a few attempts have been made to measure price changes of urban real estate. For additional data of this type, see Herman Wyngarden, "An Index of Local Real Estate Prices," Michigan Business Studies, vol. 1, No. 2, University of Michigan, Bureau of Business Research, 1927; William M. Hoad, Real Estate Prices, a Study of Residential Real Estate Transfers in Lucas County, Ohio, unpublished doctoral dissertation, University of Michigan, 1942; and data for Cleveland and Seattle given in Grebler-Blank-Winnick, table C-2. See also Ernest M. Fisher, Urban Real Estate Markets: Characteristics and Financing, National Bureau of Economic Research, 1951, pp. 51-56.

Beginning 1963, the Bureau of the Census has developed a price index for new 1-family houses sold, including value of lot on a 1967 = 100 base. See U.S. Bureau of Domestic Commerce, *Construction Review*, May 1974, p. 58.

N 259-260. Price indexes for 1-family owner-occupied houses, 1890-1934.

Source: See Grebler-Blank-Winnick source for series N 192-195, tables C-1 and C-3.

Unadjusted figures were derived from detailed information for a sample of residential properties in 22 cities in Department of Commerce, Financial Survey of Urban Housing, 1937. This survey, among other things, ascertained the value of the property in 1934, the year of acquisition by the then-present owner, and original cost to the owner at time of acquisition, regardless of whether the house was new or old at that time. From these data, a relative for each year was calculated for each city, based on the ratio of the total acquisition cost of the single-family owner-occupied houses acquired in each given year in a given city to their value in 1934. The unadjusted figures are median relatives derived from the data for all of the 22 cities and are subject to a downward bias due to the changing age structure of properties included in each year's sample, and to an upward bias due to value increments in the form of structural additions and alterations. The adjusted figures are corrected for the resulting net downward bias, by allowing 13/8 percent compound annual depreciation. See the source, appendix C, for details of correction.

N 261. Median asking price for existing 1-family houses, Washington, D.C., 1918–1947.

Source: Ernest M. Fisher, Urban Real Estate Markets: Characteristics and Financing, National Bureau of Economic Research, New York, 1951, table 6 (copyright).

This series represents the results of an experimental study by the National Housing Agency (a predecessor of the U.S. Department of Housing and Urban Development) of a sample of newspaper advertisements. Similar experimental indexes, but for shorter periods, were developed for 100 metropolitan areas. The principal limitations of the study, fully recognized by the originating source, are as follows:

(1) Because of the changing composition of the sample, the type of houses included may vary from period to period. Consequently, fluctuations in median prices may be due either to change in asking prices or to change in the type of houses advertised; (2) because of the omission of houses advertised without listing price and of houses sold without newspaper advertisement, a sizable segment of total sales is not considered in the series; and (3) there may be cyclical differences in the spread between asking prices and selling prices.

N 262-272. Residential nonfarm mortgage debt outstanding, by type of holder. 1890-1970.

Source: 1890-1952, see Grebler-Blank-Winnick source for series N 192-195, tables N-1 and N-2; 1952-1956, Saul B. Klaman, The Volume of Mortgage Debt in the Postwar Decade: Appraisal and Development of Statistics, Technical Paper 13, National Bureau of Economic Research, New York, 1958 (copyright); 1956-1970, Board of Governors of the Federal Reserve System, Federal Reserve Bulletin, various monthly issues.

The Grebler-Blank-Winnick estimates are based largely on Raymond W. Goldsmith, A Study of Saving in the United States, vol. I, Princeton University Press, 1955. Because of the paucity of reliable data, particularly for earlier years, and the consequent employment of ratios found for benchmark years and interpolations or extrapolations, the estimates must be used with caution. The Grebler-Blank-Winnick figures were slightly modified to take account of later revisions by the Federal Home Loan Bank Board (FHLBB) of its estimates of debt on 1- to 4-family houses for 1938–1952; see Federal Home Loan Bank Board, Estimated Home Mortgage Debt and Financing Activity, 1955 (release, March 1956).

The study by Klaman contains alternative estimates for 1945–1952 which are not entirely comparable with the figures shown here. Because of new information and improved estimating techniques, these data are superior to those in Grebler-Blank-Winnick for overlapping years. The differences reflect mainly lower estimates by Klaman for the mortgage debt on multifamily residences and are fully explained in Klaman's paper. The Klaman paper presents also a comprehensive methodology and a more detailed classification of mortgage debt estimates. See also J. E. Morton, Urban Mortgage Lending: Comparative Markets and Experience, Princeton University Press, 1956.

Federal Reserve Board figures are based on data from the Federal Deposit Insurance Corporation, Departments of Agriculture and Commerce, Federal National Mortgage Association, Government National Mortgage Association, Federal Housing Administration, Public Housing Administration, Veterans Administration, Federal Home Loan Mortgage Corporation, Comptroller of the Currency, Federal Home Loan Bank Board, and the Institute of Life Insurance.

N 262, total debt, including real estate bonds. For 1910–1949, the underlying estimates for real estate bonds outstanding on residential property are those of Goldsmith, table R-43. For 1950–1952, figures are estimates based on extrapolation of Goldsmith's data for 1946–1949 for total bonds and assume that 40 percent of these were secured by residential property. This is the ratio applied by Goldsmith for 1910–1949. For the 1890–1909 figures, it was assumed that there were no residential real estate bonds outstanding.

N 263, total debt, excluding real estate bonds. For 1890–1920, figures are based on Goldsmith's estimates of the residential mortgage debt (table R-40) for 1890 and 1920 modified as explained in appendix L of Grebler-Blank-Winnick. The annual estimates between 1890 and 1920 are derived, following Goldsmith's procedures, by interpolating the ratios of nonfarm residential to total nonfarm mortgage debt between the ratios for the two benchmark years. For 1921–1924, figures are those of Goldsmith, derived by interpolation between the 1920 estimate and the 1925 estimate, except that revised FHLBB data for the 1925 debt on 1- to 4-family houses were used. For basis of 1925–1952 figures, see text for series N 273–275 and N 276–277.

N 264-265, noninstitutional and institutional debt. Noninstitu-

tional figures represent the difference between series N 263 and N 265. Institutional figures are the sum of series N 266-272. The estimates for noninstitutional debt are probably the weakest component from the viewpoint of reliability. They represent largely a residual derived from the independent estimates of total debt and those of institutional holdings. Data for 1956-1970 include estimates for insurance companies other than life, mortgage companies, pension funds, credit unions, and installment investment companies.

N 266, debt held by commercial banks. For 1896–1924, figures are based on estimates of total nonfarm mortgages of operating and closed commercial banks shown in Grebler-Blank-Winnick, tables N-10 and N-12, with the 1925 ratio of residential to total nonfarm mortgages for operating banks applied to the entire period. For 1925–1952, figures represent the sum of (1) FHLBB estimates of the holdings of mortgages on 1- to 4-family housing by operating commercial banks, plus those of closed banks (given in Grebler-Blank-Winnick, table N-12), and (2) FHLBB estimates for 1925–1934 and of the Federal Reserve Board for 1935–1952. For 1953–1956, figures are from Klaman, table 4.

N 267, debt held by mutual savings banks. For 1896–1924, figures are based on estimates of total nonfarm mortgages held by mutual savings banks shown in Grebler-Blank-Winnick, table N-8, and on the application of the 1925 ratio of residential to total nonfarm mortgages. For 1925–1938, figures are the sum of (1) FHLBB estimates for mortgages on 1- to 4-family housing and (2) estimates of multifamily residential mortgages based on recent ratios of such mortgages to total nonfarm mortgages other than those on 1- to 4-family housing. For 1939–1952, figures are from Federal Reserve Bulletin, March 1954, p. 289 and for 1953–1956, are from Klaman, table 4.

N 268, debt held by savings and loan associations. For 1896–1924, figures are from Goldsmith, table M-4. For most of the period, these estimates are derived by applying to aggregate assets of savings and loan associations the ratio of mortgage loans obtained from a sample of States accounting for nearly two-thirds of aggregate savings and loan assets. For 1925–1950, figures are FHLBB estimates plus the holdings of closed savings and loan associations as given in Grebler-Blank-Winnick, table N-12. For 1951 and 1952, figures are FHLBB estimates.

N 269, debt held by life insurance companies. For 1896–1924, figures are based on estimates of total nonfarm mortgages held by life insurance companies, given in Grebler-Blank-Winnick, table N-9, and application of the 1925 ratio of residential to total holdings. For 1925–1952, figures are the sum of (1) FHLBB estimates of holdings of mortgages on 1- to 4-family houses and (2) estimates of mortgages on multifamily residential property. The latter are from Goldsmith, table M-10, for 1925–1937; from a FHLBB release, Mortgage Investments of Life Insurance Companies, 1951, for 1938–1951; and from the Institute of Life Insurance for 1952. For 1953–1956, figures are from Klaman, table 4.

N 270, debt held by the Home Owners' Loan Corporation (HOLC). Figures are from reports of HOLC and include outstandings on both original HOLC loans and on loans originating from the sale of property acquired by HOLC through foreclosure or similar proceedings.

N 271, debt held by the Federal National Mortgage Association (FNMA). Figures are from reports of FNMA and cover all programs of that agency. Under law, only mortgage loans insured by the Federal Housing Administration or guaranteed by the Veterans Administration are eligible for purchase by FNMA. Beginning 1968, "old" FNMA was split between FNMA and the Government National Mortgage Association.

N 272, debt held by other institutions. Figures for 1896–1952 combine data given separately in the source for insurance companies other than life, mortgage companies, and installment investment companies. Figures for 1956–1970, provided by the Federal Reserve Board, include only data for other Federal agencies (Veterans Administration, Federal Housing Administration, Federal National

HOUSING N 273-300

Mortgage Association, Federal Home Loan Mortgage Corporation, and Government National Mortgage Association (guaranteed pools)).

N 273-275. Residential nonfarm mortgage debt outstanding on 1-to 4-family homes, 1925-1970.

Source: 1925-1955, U.S. Housing and Home Finance Agency, Annual Report, 1956, table A-24; 1956-1970, Board of Governors of the Federal Reserve System, Federal Reserve Bulletin, various monthly issues.

The total debt on 1- to 4-family structures is estimated by the Federal Home Loan Bank Board (FHLBB) in its annual releases. "Estimated Home Mortgage Debt and Financing Activity." Mainly because such property may be owner occupied, tenant occupied, or vacant, the data are not comparable to census figures on mortgage debt of owner-occupied housing. The estimates are based on reports to FHLBB of savings and loan associations, mortgage investment data reported by life insurance companies, information on mutual savings banks' holdings from call reports and other data collated by FHLBB, similar information collated by the Board of Governors of the Federal Reserve System for commercial banks, financial statements of the Home Owners' Loan Corporation, the Federal National Mortgage Association, and the Government National Mortgage Association, and less reliable information for holdings of individuals and others. The latter group includes mortgages held by trusts and trust departments of commercial banks, pension funds, philanthropic and educational institutions, casualty and fire insurance companies, real estate and mortgage companies, RFC Mortgage Company, Federal Housing Administration (FHA) and Veterans Administration (VA), and individuals. The estimates for holdings of individuals and others are based on residential finance surveys of the Bureau of the Census, trends in nonfarm mortgage recordings, FHA and VA records, and other information. See source for data by type of mortgagee.

The data for government-underwritten mortgages are the outstanding balances of loans insured by FHA and guaranteed by the VA, as estimated by these agencies from their records.

For rough estimates of mortgage debt on 1- to 4-family structures for 1890-1924, see Goldsmith's *A Study of Saving*... (cited in text for series N 262-272), vol. I, table R-34.

N 276-277. Residential nonfarm mortgage debt outstanding on 5-or-more unit structures, 1925-1970.

Source: See sources for series N 273-275.

The estimates for total of 5 or more units represent revisions of those in Grebler-Blank-Winnick (see source for series N 192–195), table L-4, which were undertaken by the Board of Governors, Federal Reserve System. Because of these revisions, the sum of series N 273 and N 276 does not equal the totals shown in series N 263.

The data for FHA-insured mortgages are estimates of the Federal Housing Administration based on unpublished data.

N 278-290. General note.

While the annual changes in the amount of residential mortgage debt outstanding, series N 262-277, indicate the net flow of funds, measures of the gross flow of funds are useful for many purposes. However, these measures are far from adequate. For estimates of the gross flow of funds into *new* residential construction for 1911-1955, see Grebler-Blank-Winnick series N 192-195, appendix M and table 80.

N 278-284. Mortgage loans on 1- to 4-family houses, by type of lender. 1925-1950.

Source: See Grebler-Blank-Winnick source for series N 192-195, table N-13. (Figures are from Federal Home Loan Bank Board, Estimated Home Mortgage Debt and Lending Activity, 1950.)

These series represent only rough approximations except for the

Home Owners' Loan Corporation and for savings and loan associations since the late thirties. The estimates were based on scattered reports of national and State supervisory authorities, special reports to the Home Loan Bank Board by life insurance companies, and, for 1939–1950, on mortgage recordings figures, series N 285–290. Estimates for the earlier years, and for "individuals and others" throughout, are highly tentative.

N 285-290. Mortgage recordings of \$20,000 or less, by type of lender, 1939-1964.

Source: Federal Home Loan Bank Board, Savings and Home Financing Source Book, annual issues.

Estimates are computed on the basis of monthly reports of cooperating institutions. These reports cover approximately 500 areas containing about 54 percent of the total nonfarm 1-family housing units. Activity in the remaining areas is estimated usually by reference to the closest reporting area. To relate the series as closely as possible to home-financing operations, it is limited to mortgages of \$20,000 or less, but it includes small mortgages secured by nonresidential real estate and omits large mortgages secured by residences.

The Savings and Home Financing Source Book, 1966, contains the following: "Since almost every mortgage is recorded, the series provides an adequate means of determining trends in real estate financing activity, as well as the role being played by various types of lenders. Summaries are made on the basis of the originating mortgagees, and, for this reason, assignments of mortgages are not reflected in the series. To the extent that certain lenders (e.g., insurance companies) purchase mortgages originated and recorded by other lenders (e.g., mortgage companies), the recording statistics may overstate or understate the importance of a particular type of lender as the ultimate source of mortgage credit. It should also be pointed out that mortgage recording data are not directly comparable with estimates on home mortgage lending; the periods covered are not necessarily the same, because lending statistics are reported as of the date of loan commitment, while recording figures reflect the actual date of mortgage registration. Furthermore, alterations in the terms of an existing contract may necessitate a new registration. In the case of refinancing an institution's own mortgage, for example, the face amount of the instrument would appear in the recording totals, whereas only that portion which represented an increase of funds loaned would be included in the lending figures."

N 291-300. Major Federal housing finance programs, 1934-1970.

Source: Series N 291-297 and N 300, 1934-1970 (except N 297, 1950-1970), see source for series N 273-275, Real Estate Credit section. Series N 297, 1950-1964, Housing and Home Finance Agency, Annual Report, 1964, table B-72; 1965-1970, U.S. Veterans Administration, unpublished data. Series N 298-299, Federal National Mortgage Association, unpublished data.

The figures are based on records of the Federal Housing Administration (FHA), Veterans Administration (VA), Federal National Mortgage Association (FNMA), Federal Home Loan Bank Board (FHLBB), and Government National Mortgage Association (GNMA).

N 291-296, loans made with FHA insurance. Figures are from FHA. Homes include 1- to 4-family houses. Projects include multifamily housing. Under law, only new multifamily projects are eligible for FHA-insured mortgage loans, although such projects are later eligible for refinancing loans. For the FHA classification of new and existing houses, see text for series N 180-181.

N 297, loans made with VA guaranty. Figures are from VA and show the total principal amount of loans, not the guaranteed portion which is smaller. In addition to the loans made by private lenders under its guaranty program, the VA has made direct loans for home purchase to veterans in certain areas since fiscal year 1951. The cumulative amount of direct loans disbursed through December 31, 1970, was \$3 billion.

N 298-299, FNMA purchases and sales. Figures are from FNMA and include all its programs. Beginning 1954, FNMA established three independent portfolios of FNMA-owned mortgages with separate accountability. The three portfolios resulted from separate operations predicated on different purposes and objectives: (1) Secondary market operations, basically a privately financed activity; (2) special assistance functions, operated for the account of the government; and (3) management and liquidating functions, under which the FNMA managed and operated for the government the portfolio of mortgages acquired since 1938 under the FHA. Beginning 1968, FNMA separated into two organizations, the Government National Mortgage Association, which maintains the special assistance functions and the management and liquidating functions portfolios; and the "new" FNMA which maintains the secondary market operation portfolio.

N 300, advances outstanding of the Federal Home Loan Banks. Figures are from FHLBB and represent advances to member institutions of the Federal Home Loan Bank System, mainly savings and loan associations.

N 301. Real estate foreclosures of nonfarm properties, 1926-1970.

Source: Federal Home Loan Bank Board, Savings and Home Financing Source Book, annual issues.

Estimates for the old series are based on reports for approximately 1,700 counties, cities, townships, or other governmental divisions in

1968. The reporting areas include approximately three-fifths of all nonfarm single-family housing units. Foreclosures in the remaining areas are estimated usually by reference to the closest reporting area. Figures represent the number of nonfarm properties, residential and nonresidential, acquired by mortgage lenders through foreclosure proceedings; they do not include voluntary transfers to such lenders in lieu of foreclosure, or defaults on real estate contracts.

Foreclosure estimates consist of completed foreclosures—those that result in a sale or final action.

N 302-307. Mortgage status of nonfarm owner-occupied housing units, 1890-1970.

Source: Series N 302-306, U.S. Bureau of the Census, 1890-1950, U.S. Census of Housing: 1950, vol. I, part 1; 1956, National Housing Inventory, 1956, vol. II; and 1960 and 1970, U.S. Census of Housing: 1960, vol. V, and 1970, vol. V, respectively. Series N 307, 1890-1950, see Grebler-Blank-Winnick source for series N 192-195, table 59 (based on census data for value and debt); 1956, 1960, and 1970, same as for series N 302-306.

For 1940, 1950, 1956, 1960, and 1970, the mortgage statistics are for owner-occupied housing units in 1- to 4-family housing unit structures without business. For 1890–1920, they are for owner-occupied units in all types of structures. These differences are not large enough to invalidate comparisons.

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HOUSING N 156-169

Series N 156-169. New Housing Units Started, by Ownership, Type of Structure, Location, and Construction Cost: 1889 to 1970

			New h	ousing uni	ts started (1,000)			Constru	ction cost (mil. dol.)		struction c ge per unit	
		Owne	rship	In st	ructures w	ith—	Inside	Outside		Privately	Publicly	<i>m</i>	Privately	Publicly
Year	Total	Private	Public	1 unit	2 units	3 units or more	SMSA's 1	SMSA's 1	Total	owned	owned	Total	owned	owned
	156	157	158	159	160	161	162	163	164	165	166	167	168	169
INCLUDES FARM HOUSING														
1970	1,469 1,500 1,545 1,322 1,196	1,434 1,467 1,508 1,292 1,165	35 33 38 30 31	815 811 900 845 780	48 48 54 48 41	606 640 591 429 376	1,035 1,097 1,116 920 809	435 403 429 402 387	22,655 23,292 23,153 19,072 16,969	22,148 22,807 22,622 18,674 16,575	507 485 531 897 394	15,450 15,525 14,975 14,425 14,175	15,450 15,550 15,000 14,450 14,225	15,200 14,700 14,050 13,100 12,625
1965 1964 1963 1962 1961	1,510 1,561 1,635 1,492 1,365	1,473 1,529 1,603 1,463 1,313	37 32 32 30 52	965 972 1,013 996 989	58 62 61 56 50	486 527 561 440 326	1,035 1,098 1,147 1,054 948	475 463 487 439 417	20,528 20,375 20,756 18,720 17,085	20,061 19,975 20,378 18,373 16,476	466 400 378 347 609	13,600 13,050 12,650 12,550 12,525	13,625 13,075 12,650 12,550 12,550	12,625 12,450 11,925 11,700 11,725
1960 1959	1,296 1,554	1,252 1,517	44 37	1,009 1,251	51 59	237 244	889 1,077	407 477	16,357 19,214	15,831 18,782	528 432	12,625 12,400	12,650 12,400	12,025 11,775
EXCLUDES FARM HOUSING				ļ										
1962 1961	1,469 1,337	1,439 1,285	30 52	973 961	56 50	440 326	1,053 946	416 391	18,400 16,740	18,053 16,132	847 609	12,525 12,525	12,550 12,550	11,700 11,725
1960 1959	1,274 1,531	1,230 1,495	44 37	987 1,229	51 59	237 244	. 888 1,076	386 455	16,124 18,981	15,596 18,549	528 432	12,650 12,400	12,675 12,400	12,025 11,775
							Urban areas	Rural nonfarm areas						
1958 1957 1956	1,382 1,224 1,349	1,314 1,175 1,325	68 49 24		 				16,565 14,913 15,781	15,744 14,346 15,519	821 567 262	12,000 12,175 11,700	11,975 12,225 11,725	12,075 11,550 10,825
1955 1954 1953 1952 1951	1,646 1,551 1,438 1,504 1,491	1,627 1,532 1,402 1,446 1,420	19 19 36 58 71						18,017 15,863 13,665 13,636 13,402	17,818 15,694 13,358 13,133 12,787	199 169 307 503 615	10,950 10,225 9,500 9,050 8,975	10,950 10,250 9,525 9,075 9,000	10,225 9,050 8,650 8,600 8,625
1950 1949 1948 1947 1946	1,952 1,466 1,362 1,268 1,023	1,908 1,430 1,344 1,265 1,015	44 36 18 3 8						16,481 10,992 10,514 8,430 5,746	16,111 10,663 10,340 8,404 5,690	370 329 174 26 56	8,450 7,525 7,725 6,650 5,625	8,450 7,450 7,700 6,650 5,600	8,450 9,050 9,625 7,650 7,000
1945 1944 1943 1942 1941	326 142 191 356 706	325 139 184 301 620	1 3 7 55 87	118 144 293 604	11 18 20 34	14 30 43 68	96 124 227 434	46 67 129 272	1,504 496 689 1,344 2,826	1,498 483 660 1,134 2,531	6 13 29 210 295	4,625 3,500 3,600 3,775 4,000	4,625 3,475 3,600 3,775 4,075	5,850 4,125 3,925 3,825 3,400
1940 1939 1938 1938 1937 1936	603 515 406 336 319 221	530 458 399 332 804 216	73 57 7 4 15 5	486 399 317 267 244 183	37 29 18 16 14 8	80 87 71 53 61 30	397 359 262 218 211 117	206 156 144 118 108 104	2,299 1,948 1,584 1,382 1,271 757	2,072 1,764 1,562 1,366 1,194 732	227 184 22 17 77 25	3,825 3,775 3,900 4,125 3,975 3,425	3,925 3,850 3,900 4,100 3,925 3,400	3,125 3,250 3,325 4,600 5,225 4,700

¹ SMSA = Standard Metropolitan Statistical Area.

CONSTRUCTION AND HOUSING

Series N 156-169. New Housing Units Started, by Ownership, Type of Structure, Location, and Construction Cost: 1889 to 1970—Con.

		N	New housing uni	ts started (1,000)			Construct	ion cost
		In	structures with-		Urban	Rural	Total	Average
Year	Total	1 unit	2 units	3 units or more	areas	nonfarm areas	(mil. dol.)	per unit (dol.)
-	156	159	160	161	162	163	164	167
EXCLUDES FARM HOUSING—Con.								
1934 1933 1982 1931	126 93 134 254	109 76 118 187	5 5 7 22	12 12 9 45	49 45 64 174	77 48 70 80	368 285 407 1,105	2,925 3,075 3,050 4,350
1930 1929 1928 1927	330 509 753 810 849	227 316 436 454 491	29 51 78 99 117	74 142 239 257 241	236 400 594 643 681	94 109 159 167 168	1,494 2,453 3,613 3,910 4,112	4,525 4,825 4,800 4,825 4,850
1925 1924 1928 1922 1922	937 893 871 716 449	573 534 513 437 316	157 178 175 146 70	208 186 183 133 63	752 716 698 574 359	185 177 173 142 90	4,475 4,065 3,775 2,957 1,771	4,775 4,550 4,325 4,125 3,950
920 919 918 918 917	247 315 118 240 437	202 239 91 166 267	24 36 13 31 69	21 40 14 43 101	196 230 86 175 319	51 85 32 65 118	1,068 1,258 391 769 1,255	4,325 4,000 3,325 3,200 2,875
915 914 918 918 9192	433 421 421 426 395	262 263 264 258 249	73 72 72 71 62	98 86 85 97 84	316 308 307 311 288	117 113 114 115 107	1,192 1,081 1,108 1,113 1,000	2,750 2,575 2,625 2,625 2,525
910	387 492 416 432 487	251 328 286 291 316	57 73 65 59 69	79 91 65 82 102	283 322 272 283 319	104 170 144 149 168	1,028 1,272 1,034 1,037 1,170	2,650 2,575 2,475 2,400 2,400
905	507 315 253 240 275	336 207 175 171 177	64 45 30 32 32	107 63 48 37 66	332 206 166 157 180	175 109 87 83 95	1,154 690 607 572 610	2,275 2,200 2,400 2,375 2,225
900	189 282 262 292 257			35	124 159 148 165 145	65 123 114 127 112	433 608 574 643 606	2,300 2,150 2,200 2,200 2,350
895	309 265 267 381 298				175 150 151 215 169	134 115 116 166 129	679 594 583 763 612	2,200 2,250 2,175 2,000 2,050
1890	328 342				185 193	143 149	790 806	2,400 2,350

Series N 170. Mobile Home Shipments: 1947 to 1970

Year	Mobile home shipments	Year	Mobile home shipments	Year	Mobile home shipments	Year	Mobile home shipments	Year	Mobile home shipments
1970	401,190 412,690 317,950 240,360 217,300	1965 1964 1963 1962 1961	216,470 191,320 150,840 118,000 90,200	1960 1959 1958 1957 1956	103,700 120,500 102,000 119,300 124,330	1955 1954 1953 1952 1951	111,900 76,000 76,900 83,000 67,300	1950 1949 1948 1947	63,100 46,200 85,500 60,000

HOUSING N 171-185

Series N 171-179. New Publicly-Owned Housing Starts, by Ownership and Program: 1949 to 1970

	į		Federally owned			Star	te and locally ow	ned	
	All public					Federally a	ided (PHA)	New York City Housing	_
Year	programs	Total	Military	All other	Total	Total	New York City Housing Authority	Authority (excluding federally aided)	All other
	171	172	173	174	175	176	177	178	179
1970 1969 1968 1967 1966	35,363 32,779 37,802 30,329 30,942	2,873 4,010 4,690 3,470 289	2,814 3,977 4,597 3,199 31	59 33 93 271 258	32,490 28,769 33,112 26,859 30,653	28,848 26,958 31,020 25,303 28,721	2,309 1,486 1,298 2,005 1,290	225 1,333 440	3,642 1,811 1,867 223 1,492
1965	36,907 33,264 31,758 29,653 52,001	4,686 4,580 3,181 4,363 14,047	4,432 - 2,532 13,153	254 4,580 3,181 1,831 894	32,221 28,684 28,577 25,290 37,954	30,077 22,712 23,970 19,781 28,190	3,061 1,033 4,328 3,581 4,522	96 1,335 874 2,562 5,263	2,048 4,637 3,783 2,947 4,501
1960 1959 * 1958 1957 1956	43,897 36,690 67,907 49,103 24,236	13,801 14,999 36,312 25,518 8,752	18,182 14,590 34,667 23,642 3,783	619 409 1,645 1,876 4,969	30,096 21,691 31,595 23,585 15,484	26,533 13,860 19,970 17,473 4,794	4,203 2,003 1,102 2,856 981	771 3,966 6,319 2,762 5,189	2,792 3,865 5,306 3,350 5,501
1955	19,596 18,638 35,483 58,520 71,207	5,012 246 104 622 1,060		5,012 246 104 622 1,060	14,584 18,392 35,379 57,898 70,147	8,572 14,155 31,314 52,747 65,201	3,916 2,289 2,246 5,862 2,641	3,870 3,656 2,955 1,731 1,436	2,142 581 1,110 3,420 3,510
1950 1949	43,648 36,321	1,055 3,963		1,055 3,963	42,593 32,358	26,875 781	5,259	4,399 19,660	11,319 11,917

^{*} Denotes first year for which figures include Alaska and Hawaii.

Series N 180-185. Privately Owned Housing Units in Major Federal Programs: 1935 to 1970
[In thousands. FHA = Federal Housing Administration; VA = Veterans Administration]

	New privatunits started	tely owned d under 1—	o	New and exist wned units co	ing privately vered by loan	8		New privately	units co	existing private overed by FHA ortgages insure	l loans
Year	FHA	VA	FHA (mortgages ins	ured)	VA	Year	owned units started under FHA	_		Rental
	inspection	inspection	Total	Homes	Rental projects	(mortgages guaranteed)		inspection 1	Total	Homes	projects
	180	181	182	183	184	185		180	182	183	184
1970 1969 1968	432.8 240.5	61.0 51.2	716 576	515 495	201 81	168 214	1944 1943	93.3 146.2	170 210	157 190	12 20
1967 1966	227.1 179.7 158.4	56.1 52.5 36.8	529 453 469	453 412 436	76 41 33	211 201 157	1942 1941	165.7 220.4	242 220	236 216	6 4
1965 1964 1963	196.6 204.6 221.0	49.4 59.2 71.0	591 557 476	554 503 42 3	37 54 53	163 186 211	1940 1939	180.1 158.1	187 185	183 171	4 13
19 62	259.5 243.6	77.8 83.3	469 435	405 376	64 59	188 134	1938 1937	118.7 60.0	134 114	122 111	12 3
1960	260.9 332.5 295.4 168.4 2 189.3	74.6 109.3 102.1 128.3 270.7	422 549 454 245 264	373 505 389 202 253	49 44 65 43 11	145 213 146 307 508	1936 1935	49.4 14.0	85 2 6	84 25	1 1
1965 1964 1953 1952 1951	276.7 276.3 252.0 279.9 263.5	392.9 307.0 156.5 141.3 148.6	328 251 303 286 335	318 223 272 246 261	9 28 31 40 74	650 411 322 307 447					
1950	486.7 363.8 294.1 229.0 69.0 41.2	191.2 90.8 71.1 160.3 91.8 8.8	506 453 400 197 88 107	352 320 321 150 86 103	155 133 79 47 2	498 277 350 542 412 43					

¹ Based on first compliance inspection. Includes homes and housing units in multifamily projects; excludes mobile homes and non-housing unit activity.

⁻ Represents zero.

² Excludes 2,567 Capehart units. ³ Estimated.

Series N 186-191. Low-Rent Public Housing Units, by Progress Stage, and War and Defense Housing and Veterans Housing Units Available for Occupancy: 1941 to 1970

[Low-rent public housing units cover those units subsidized by U.S. Department of Housing and Urban Development under annual contributions contracts, including new, conventional, and turnkey units and existing housing either acquired or leased. Includes Puerto Rico and Virgin Islands]

Year Total Under management 2 Under construction Not under construction 3 Year Total 186 187 188 189 186 1970 1,155.3 893.5 126.8 135.0 1955.5 489.7 1969 1,034.7 822.6 84.8 127.4 1954. 455.7 1968 923.7 744.5 73.5 105.7 1953. 455.2 1967 850.2 673.2 48.8 128.2 1952. 436.8 1966 778.2 635.9 45.6 96.7 1951. 404.8 1965 735.7 604.9 42.4 88.4 194.9 404.8 1964 714.3 576.7 38.5 99.0 1950.5 302.1 1963 682.3 553.4 37.4 91.5 1949. 204.9 1962 646.6 527.2 41.1 78.4 1948. 198.8 1961 624.1 499.0 47.4	pu	.o₩-	ow-re	ent public	housing (1,000)) ¹		L	ow-rent public	housing (1,000	0) 1	War and defense	Veterans re-use
1970	age		n	nanage-	construc-	construc-	Year	Total	Under manage- ment ²	Under construc- tion	Not under construc- tion ⁸	housing available for occupancy 4	housing available for occupancy
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	7			187	188	189		186	187	188	189	190	191
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	898			898.5	126.8	135,0	1955 5	489.7	413.6	21.1	55.1	109	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			l		84.8				390.1	33.4	32.2	3,441 6,559	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$								455.2	343.8	61.5	50.0	6,559	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			ļ.						271.3	87.6	77.9	5,577	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		li .	ľ				1901	404.8	211.3	90.6	102.9		
1968 682.3 553.4 37.4 91.5 1949 204.9 1962 646.6 527.2 41.1 78.4 1948 198.8 1961 624.1 499.0 47.4 77.7 1947 192.0 1960 593.3 478.2 36.4 78.8 1945 1959 585.2 465.2 23.9 96.1 1944	576	1	1	576 7		99.0	1950 5	802.1	201.7	31.5	68.9		381
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		II.	ļ						191.6	1.7	11.5		695
1960 593.3 478.2 36.4 78.8 1945 1945 1949 1959 96.1 1944 1945		11	1			78.4		193.8	190.9	1.5	1.4	1,550	27,168
1960 593.3 478.2 36.4 78.8 1945	499		ļ	499.0	47.4	77.7		192.0	189.7	.1	2.1		27,168 106,631
1959 585.2 465.2 23.9 96.1 1944		li .	ľ									4,051	128,871
			1										1,906
												150,327	
			l	444.2	30.0	83.0							
1957 534.6 429.5 24.0 81.1 1942 1956 533.6 423.9 14.0 95.7 1941												120,729 59,786	

Series N 192-195. Nonfarm Dwelling Units Standing and Selected Components of Change: 1890 to 1950

	Dwelling		Dwelling		Units	added	Units demolished		Units	added	Units demolished
Year	units standing	Year	units standing	Period	New units started	Converted units	or destroyed	Period	New units started	Converted units	or destroyed
	192		192		193	194	195		193	194	195
1950	39,625 29,683 25,692 17,733	1910 1900 1890	14,281 10,589 8,319	1940-1949 1930-1939 1920-1929	5,393 2,646 7,004	2,000 1,070 125	1,000 397 580	1910-1919 1900-1909 1890-1899	3,598 3,606 2,941	108 81 62	414 297 208

Series N 196-199. Nonfarm Residential Wealth: 1889 to 1953

[In millions of dollars]

	Total,	Struc	tures	Land.		Total,	Struc	tures	Land.		Total,	Struc	tures	Land,
Year	current dollars	1929 dollars	Current dollars	current dollars	Year	current dollars	1929 dollars	Current dollars	current dollars	Year	current dollars	1929 dollars	Current dollars	current dollars
	196	197	198	199		196	197	198	199		196	197	198	199
1953 1952	282,751 270,918	96,933	234,966 224,320	47,785 46,598	1931	96,761	80,724	72,571	24,190	1910 1909	38,337 36,369	48,499 47,406	25,801 24,367	12,536 12,002
1951	257,833	94,173 91,575	212,454	45,379	1930	105,430	80,775	78,756	26,674	1908	33,977	45,715	22,629 22,677	12,002 11,348 11,578
1950	233,623	88,855	191,571	42,052	1929 1928	108,429 102,438	80,563 78,938	80,563 75,702	27,866 26,786	1907 1906	34,255 31,971	44.378 43,085	21,069	10,902
1949 1948	212,480 214,358	84,951 82,790	173,555 174,273	38,875 40,085	1927 1926	98,639 95,999	75,939 72,519	72,598 70,271	26,041 25,728	1905	28,118	41,385	18,416	9,702
1947 1946	188,396 153,140	80,556 78,974	152,412 123,278	35,984 29,862	1925	90,802	68,715	66,104	24.698	1904 1903	25,739 25,494	39,425 38,418	16,756 16,520	8,983 8,974
1945	137,348	78,178	110,153	'	1924 1923	86,633 83,501	64,818 61,245	62,809 60,204	28,824 23,297	1902 1901	24,256 23,116	37,640 36,892	15,621 14,794	8,635 8,322
1944 1943	130,960 122,450	79,111 80,219	104,506 97,225	27,195 26,454 25,225	1922 1921	71,829 74,791	58,316 55,976	51,148 53,401	20,186 21,390	1900	22,936	35.984	14,610	8,326
1942	118,922	81,230	94.064	24,858					· ·	1899	21,607	35,525	13,677	7,930
1941	113,548	81,535	89,862	24,186	1920 1919	92,155 72,163	55,122 55,317	65,430 50,947	26,715 21,216	1898 1897	19,703 18,387	34,522 33,459	12,393 11,510	7,310 6,877 6,843
1940 1939	104,102 99,264	80,149 79,006	81,512 77,426	22,590 21,838	1918 1917	61,972 52,987	55,008 55,613	43,566 37.038	18,406 15,949	1896	18,103	32,080	11,260	
1938	96,831 94,297	78,028 77,692	75,140 72,797	21,690 21,500	1916	45,527	55,510	31,641	13,886	1895 1894	17,408 16,867	30,816 29,301	10,755 10,373	6,648 6,494
1936	84,770	77,420	65,188	19,582	1915 1914	41,986 40,251	54,306 53,051	29,054 27,693	12,932	1893 1892	16,833 16,257	28,024 26,814	10,285 9,868	6,548 6,389
1935	81,314	77,273	62,205	19,109	1913	39,401	51,927	26,950	12,558 12,451	1891	15,742	25,087	9,508	6,284
1934 1933	84,669 79,100	77,724 78,685	64,433 59,958	20,236 19,142	1912 1911	40,063 38,417	50,711 49,539	27,283 26,008	12,780 12,409	1890 ¹	15,540	23,786	9,324	6,216
1932	80,537	79,796	60,725	19,812	<u> </u>		1	<u> </u>		1889	14,333	22,050	8,600	5,733

¹ As of June 1.

¹ As of December 31.
² Occupied or available for occupancy.
³ Comprises units to be constructed and units that will go directly into "under management" category because they need no rehabilitation.

⁴ Refers to period between completion of construction and actual occupancy.
⁵ Excludes units which have been sold to mutual housing associations, limited dividend corporations (PWA), and homestead associations on which HUD has mortgages for collection.

HOUSING N 200-215

Series N 200–215. Value of Gross and Net Stocks of Residential Structures in Current and Constant (1958) Dollars: 1925 to 1970

[In billions of dollars]

			Gross s	tocks of re	sidential s	structures					Net sto	cks of resi	dential st	uctures		
	Total,	Private	nonfarm	Pul	olie	_	Private		Total,	Private	nonfarm	Pul	blic	_	Private	
Year	all types	1–4 unit	5 or more unit	Federal	State and local	Farm	non- house- keeping	Mobile homes	all types	1–4 unit	5 or more unit	Federal	State and local	Farm	non- house- keeping	Mobile homes
	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215
								CURRENT	DOLLARS				_			
1970 1969 1968 1967 1966	1,284.7 1,197.3 1,094.4 1,010.6 941.8	1,050.2 983.4 903.3 836.5 782.1	111.1 100.3 88.4 79.0 72.5	8.5 8.0 7.4 6.9 6.5	20.5 18.9 16.7 15.3 13.9	50.5 47.7 44.3 42.6 39.5	27.9 25.6 23.4 21.2 19.4	16.0 13.4 10.9 9.1 7.9	804.2 749.5 682.6 633.3 593.0	661.6 620.0 567.9 529.5 497.1	72.2 65.1 56.4 49.6 45.2	5.3 5.0 4.7 4.5 4.3	14.9 13.8 12.3 11.3 10.4	24.7 23.0 21.6 21.2 20.5	15.9 14.6 13.4 12.1 11.1	9.6 8.0 6.3 5.1 4.4
1965 1964 1963 1962 1961	888.9	739.8 707.2 675.1 641.3 614.1	67.0 62.2 57.2 52.2 48.2	6.2 5.9 5.8 5.6 5.3	12.8 12.1 11.2 10.6 9.6	39.5 38.4 38.3 38.0 37.9	16.7 16.3 14.9 13.6 12.6	6.9 5.9 5.0 4.4 3.9	559.7 533.1 505.1 477.6 453.4	470.2 450.1 428.5 407.0 389.2	41.4 37.7 33.7 29.8 26.7	4.2 4.1 4.0 3.9 3.7	9.7 9.3 8.7 8.4 7.7	20.3 19.7 19.6 19.3 18.1	10.0 8.9 7.9 6.9 6.0	3.9 3.3 2.7 2.3 2.0
1960	713.5 689.0 645.1 618.4 593.7	600.8 579.8 540.9 517.7 496.0	45.6 43.9 41.6 40.1 39.0	4.9 4.6 4.0 3.6 3.4	9.0 8.5 7.9 7.2 6.8	37.7 37.6 37.2 37.0 36.4	11.9 11.4 10.8 10.5 10.2	3.6 3.2 2.7 2.3 1.9	440.9 424.9 395.4 376.7 359.4	380.4 366.8 340.6 324.3 308.6	24.6 23.4 21.9 21.0 20.4	3.5 3.3 2.8 2.5 2.3	7.1 6.9 6.5 6.0 5.8	18.1 18.0 17.9 17.8 17.7	5.3 4.7 4.2 3.8 3.6	1.9 1.8 1.5 1.3
1955 1954 1953 1952 1951	556.7 517.1 498.8 486.8 465.0	463.4 427.7 410.5 398.1 378.6	37.4 35.7 35.1 35.0 34.0	3.2 3.1 3.1 3.1 3.0	6.4 5.8 5.4 5.9 5.2	35.0 34.0 34.0 34.0 33.8	9.8 9.5 9.5 9.7 9.6	1.5 1.3 1.2 1.0	335.5 308.3 293.9 283.7 268.0	286.5 261.1 247.5 237.9 223.5	19.7 18.9 18.8 18.8	2.3 2.3 2.3 2.3 2.4	5.4 5.2 4.8 4.5 3.8	17.6 17.1 17.0 16.7 16.4	3.3 3.1 3.0 3.0 3.0	.7 .6 .5 .5
1950	386.2 369.3 342.6	347.8 312.0 297.8 274.4 228.8	32.1 29.6 28.5 26.8 22.9	2.9 2.7 2.7 2.6 2.4	3.4 3.0 2.5 2.4 1.7	32.2 29.4 28.5 27.5 23.3	9.3 8.9 8.8 8.6 7.5	.7 .6 .5 .3	244.5 216.4 205.2 187.9 155.9	202.8 177.8 167.7 152.1 125.3	17.6 16.2 15.5 14.6 12.6	2.3 2.2 2.2 2.2 2.1	3.1 2.6 2.3 2.2 1.5	15.4 14.5 14.4 13.9 11.9	2.9 2.8 2.8 2.7 2.4	.4 .3 .3 .2 .1
1945 1944 1943 1942 1941	226.2 211.5 195.1	194.8 181.3 168.2 155.4 144.3	19.9 18.5 17.2 15.8 14.7	2.3 2.0 1.7 .9 .5	1.0 1.0 1.8 1.7 .5	18.9 17.2 16.8 15.8 14.2	6.5 6.2 5.8 5.5 5.1	(Z)	132.3 124.9 117.3 108.9 101.2	105.9 99.7 93.9 88.0 82.4	11.1 10.6 10.0 9.4 8.9	2.1 1.9 1.6 .8 .4	.9 .9 .8 .8	10.2 9.7 8.9 7.9 6.9	2.1 2.1 2.1 2.0 2.0	(Z)
1940	162.9 151.4 146.4 142.3 132.2	131.3 121.7 117.5 114.0 105.9	13.5 12.6 12.1 11.8 10.9	.2 .2 .2 .2 .1	.3 .1 (Z)	12.9 12.3 12.3 12.1 11.3	4.7 4.5 4.3 4.2 4.0		91.7 85.0 82.4 80.9 76.0	74.9 69.4 67.2 65.6 61.4	8.3 7.8 7.6 7.5 7.0	.2 .2 .2 .2 .1	.3 .1 (Z)	6.1 5.7 5.6 5.8 5.8	1.9 1.8 1.8 1.8 1.7	
1935 1934 1933 1932 1931	119.3 114.2 109.1 122.2	97.5 95.4 91.2 86.9 97.1	10.0 9.8 9.4 9.0 10.1	(Z) (Z)		10.6 10.5 10.2 9.9 11.3	3.7 3.6 3.4 3.3 3.7		70.9 70.2 68.0 65.9 75.1	57.0 56.4 54.7 53.0 60.1	6.6 6.6 6.4 6.3 7.2			5.6 5.5 5.2 4.9 5.6	1.7 1.7 1.7 1.7 2.2	
1930 1929 1928 1927 1926 1925	140.5 147.4 143.6 136.3 131.6 127.8	111.6 117.1 113.8 108.1 105.3 101.7	11.5 12.0 11.3 10.1 8.2 8.2			13.2 14.0 14.4 14.4 14.6 14.8	4.2 4.3 4.1 3.7 3.5 3.1		87.3 92.8 90.7 86.0 83.2 79.5	69.7 73.8 72.1 68.5 66.6 64.0	8.4 8.9 8.4 7.5 6.6 5.8			6.8 7.6 7.8 7.8 7.9 7.9	2.4 2.5 2.4 2.2 2.1 1.8	
					<u>. </u>	·	CO	NSTANT (1	958) DOLI	ARS	·		'			·
1970	870.3 843.3 823.2 802.2 786.4	707.2 688.7 676.5 662.0 650.7	74.8 70.1 66.1 62.5 60.3	5.8 5.7 5.6 5.6 5.6	13.7 13.0 12.3 11.7 11.1	34.0 34.2 34.3 34.5 34.7	18.8 18.2 17.5 16.8 16.1	16.0 13.4 10.9 9.1 7.9	544.6 526.9 514.5 502.2 492.3	445.5 433.3 426.6 419.0 412.1	48.6 45.5 42.2 39.2 37.6	3.6 3.6 3.6 3.6 3.7	10.0 9.4 9.0 8.8 8.4	16.6 16.7 16.8 16.9 16.9	10.7 10.4 10.0 9.6 9.2	9.6 8.0 6.3 5.1 4.4
1965 1964 1963 1962 1961	769.6 749.5 729.7 709.5 690.5	638.5 623.5 609.1 594.2 579.6	57.8 54.9 51.6 48.4 45.5	5.5 5.4 5.3 5.2 5.0	10.7 10.3 9.9 9.6 8.9	34.9 35.1 35.3 35.5 35.7	15.3 14.4 13.5 12.6 11.9	6.9 5.9 5.0 4.0 3.9	482.2 469.2 455.7 441.5 427.5	405.1 396.1 387.0 376.8 367.0	35.7 33.3 30.5 27.7 25.2	3.7 3.7 3.7 3.6 3.5	8.2 7.9 7.7 7.7 7.2	17.0 17.0 17.0 17.0 17.0	8.6 7.9 7.1 6.4 5.6	3.9 3.3 2.7 2.3 2.0
1960 1959 1958 1957 1956	679.5 663.8 634.7 618.0 601.2	572.0 559.0 532.8 518.2 502.9	43.6 42.3 41.0 40.2 39.6	4.7 4.4 3.9 3.6 3.4	8.4 8.0 7.6 7.1 6.8	35.8 35.9 36.0 36.0 36.1	11.4 11.0 10.7 10.5 10.4	3.6 3.2 2.7 2.4 2.0	419.6 408.1 388.0 375.1 363.9	362.0 352.3 334.5 323.2 312.9	23.5 22.5 21.6 21.0 20.7	3.3 3.2 2.8 2.5 2.4	6.8 6.5 6.2 5.9 5.7	17.1 17.2 17.3 17.4 17.5	5.0 4.6 4.1 3.8 3.6	1.9 1.8 1.5 1.3 1.1
1955 1954 1953 1952 1951	564.8 546.1 530.0	486.5 468.2 450.1 435.0 421.3	39.3 38.9 38.6 38.2 38.0	3.4 3.4 3.4 3.4 3.4	6.5 6.2 5.8 5.2 4.5	36.2 36.3 36.4 36.5 36.5	10.4 10.4 10.5 10.6 10.7	1.6 1.4 1.3 1.1	350.8 333.8 320.8 309.0 298.2	300.3 283.5 270.8 259.5 249.1	20.7 20.7 20.6 20.6 20.6	2.4 2.5 2.5 2.6 2.6	5.6 5.4 5.2 4.7 4.2	17.6 17.7 17.8 17.8 17.9	3.4 3.4 3.3 3.3 3.4	.8 .6 .6 .5

Z Less than \$0.05 billion.

CONSTRUCTION AND HOUSING

Series N 200–215. Value of Gross and Net Stocks of Residential Structures in Current and Constant (1958) Dollars: 1925 to 1970—Con.

[In billions of dollars]

						Į,	in Difficus	or domain								
			Gross st	ocks of res	idential s	tructures					Net sto	cks of resi	dential st	ructures		
	Total,	Private	nonfarm	Pu	blic		Private		Total.	Private	nonfarm	Pul	blic	21	Private	
Year	all types	1–4 unit	5 or more unit	Federal	State and local	Farm	non- house- keeping	Mobile homes	all types	1-4 unit	5 or more unit	Federal	State and local	Farm	non- house- keeping	Mobile homes
	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215
							CONSTA	NT (1958)	DOLLARS	Con.		···	<u>'</u>			
1950 1949 1948 1947	500.1 480.2 466.2 451.6 439.4	406.8 388.1 375.3 361.6 350.1	37.6 36.8 35.9 35.3 35.0	3.4 3.4 3.4 3.4 3.7	4.0 3.7 3.5 3.3 2.7	36.6 36.5 36.4 36.3 36.3	10.9 11.0 11.1 11.3 11.4	0.8 .7 .6 .4 .2	285.6 268.5 256.9 247.4 237.9	237.4 221.5 211.1 201.8 192.4	20.6 20.1 19.5 19.3 19.3	2.7 2.8 2.8 2.9 3.3	3.6 3.2 3.1 3.0 2.4	17.5 17.0 16.5 16.5 16.6	3.4 3.5 3.5 3.6 3.7	0.4 .4 .4 .3
1945 1944 1948 1942 1942	434.5 434.2 433.9 432.3 429.9	346.0 345.3 345.0 844.7 343.3	34.9 35.0 35.1 35.1 35.0	4.0 3.9 3.5 2.0 1.1	1.8 1.8 1.8 1.7 1.2	36.3 36.5 36.6 36.7 37.1	11.4 11.7 11.9 12.1 12.2	.1	231.7 235.1 239.0 241.2 241.8	186.0 188.7 191.9 194.8 195.9	19.5 20.0 20.5 20.8 21.2	3.7 3.6 3.3 1.9 1.1	1.6 1.6 1.6 1.6 1.2	17.0 17.2 17.5 17.6 17.7	3.8 4.0 4.2 4.5 4.7	.1
1940 1939 1938 1937 1937	422.9 417.0 411.6 408.2 404.6	337.3 332.4 327.9 324.9 322.0	34.7 34.4 33.9 33.6 33.2	.6 .6 .5	.7 .2 (Z)	37.4 37.2 37.1 37.1 37.1	12.2 12.2 12.1 12.1 12.1		237.8 234.5 232.3 232.2 231.8	192.7 189.9 187.8 187.3 187.0	21.3 21.3 21.2 21.4 21.4	.6 .6 .5 .2	.7 .2 (Z)	17.7 17.6 17.7 17.8 17.9	4.8 4.9 5.0 5.2 5.3	
1935 1934 1933 1932 1931	401.6 400.5 400.7 400.8 400.6	319.5 318.3 318.3 318.3 317.9	32.9 32.9 32.9 32.9 32.9	(Z) (Z)		37.2 37.3 37.5 37.6 37.8	12.0 12.0 12.0 12.0 12.0		232.2 234.3 237.9 242.1 245.6	187.0 188.3 190.9 193.9 196.3	21.6 22.0 22.5 23.0 23.5	(Z) (Z)		18.1 18.3 18.6 19.0 19.3	5.5 5.7 5.9 6.2 6.5	
1930 1929 1928 1927 1926 1926	397.4 392.9 384.8 373.0 360.1 346.3	315.1 311.5 305.8 297.3 288.2 278.2	32.5 32.0 30.4 27.9 25.1 22.5			37.9 37.7 37.5 37.3 37.2	11.9 11.5 10.9 10.3 9.5 8.4		246.8 247.0 242.9 235.1 226.1 215.5	196.9 197.0 194.2 188.7 182.6 174.8	23.6 23.6 22.5 20.5 18.1 15.9			19.6 19.7 19.8 19.8 19.8	6.7 6.7 6.4 6.1 5.6 4.9	

Z Less than \$0.05 billion.

Series N 216–231. Mean Age of Stocks of Residential Structures: 1925 to 1970

			Gross st	ocks of res	idential s	tructures					Net sto	cks of resi	dential st	ructures	,	
	Total.	Private	nonfarm	Pu	blie		Private		Total.	Private :	nonfarm	Pu	blie		Private	
Year	all types	1-4 unit	5 or more unit	Federal	State and local	Farm	non- house- keeping	Mobile homes	all types	1–4 unit	5 or more unit	Federal	State and local	Farm	non- house- keeping	Mobile homes
	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231
1970 1969 1968 1967	27.6 27.6 27.6 27.7 27.7	27.7 27.5 27.4 27.4 27.3	19.7 20.4 21.3 22.0 22.4	21.1 20.4 19.7 18.9 18.0	13.9 13.7 13.4 13.0 12.7	49.0 49.1 49.1 49.0 49.0	11.5 11.5 11.6 11.9 12.2	4.2 4.2 4.3 4.4 4.3	18.7 18.6 18.6 18.6 18.5	19.1 18.9 18.7 18.6 18.4	12.2 12.6 13.3 13.8 14.0	18.5 17.8 17.3 16.5 15.6	11.9 11.8 11.7 11.4 11.2	35.1 35.3 35.4 35.5 35.6	7.1 6.8 6.6 6.4 6.2	2.8 2.7 2.8 2.9 2.9
1965	27.7 27.9 28.1 28.3 28.5	27.2 27.3 27.4 27.5 27.6	23.1 24.0 25.3 26.8 27.9	17.2 16.6 15.9 15.3 14.9	12.3 11.7 11.2 10.7 10.5	48.8 48.7 48.5 48.3 48.2	12.8 13.6 14.6 15.9 16.9	4.2 4.1 4.1 4.1 3.9	18.4 18.5 18.6 18.7 18.9	18.3 18.2 18.2 18.2 18.3	14.6 15.4 16.7 18.5 20.0	14.9 14.5 13.8 13.3 13.0	10.9 10.4 10.0 9.5 9.4	35.6 35.5 35.4 35.4 35.4	6.2 6.3 6.6 7.1 7.7	2.8 2.8 2.8 2.8 2.7
1960	28.7 28.9 29.2 29.4 29.6	27.7 27.8 28.2 28.4 28.6	28.8 29.2 29.5 29.5 29.5 29.3	14.7 14.6 15.3 15.8 15.5	10.2 9.7 9.3 8.9 8.4	48.0 47.8 47.5 47.3 47.0	18.0 19.0 19.9 20.7 21.2	3.6 3.4 3.4 3.4 3.5	19.0 19.1 19.4 19.6 19.8	18.3 18.3 18.6 18.8 18.9	21.2 22.0 22.7 23.0 23.1	13.0 13.2 14.4 15.4 15.4	9.2 8.8 8.5 8.2 7.7	35.4 35.2 35.0 34.9 34.7	8.4 9.2 10.1 11.1 11.9	2.5 2.3 2.2 2.0 2.0
1955 1954 1953 1952 1951	30.0 30.5 30.9 31.3 31.6	29.0 29.6 30.1 30.6 31.0	29.0 28.6 28.2 27.8 27.4	14.5 13.6 12.5 11.6 10.6	7.8 7.1 6.6 6.3 6.3	46.8 46.6 46.4 46.3 46.2	21.6 21.8 21.9 21.8 21.6	3.8 4.0 3.8 3.6 3.3	20.1 20.7 21.1 21.6 22.0	19.3 19.9 20.5 20.9 21.5	22.8 22.6 22.4 22.1 21.8	14.5 13.5 12.5 11.6 10.6	7.2 6.5 6.0 5.8 5.8	34.7 34.5 34.6 34.7 34.9	12.9 13.6 14.2 14.7 14.9	2.2 2.5 2.5 2.4 2.5
1950	32.1 32.8 33.2 33.7 34.1	31.5 32.4 32.9 33.5 33.9	27.0 27.0 27.0 26.9 26.6	9.6 8.6 7.7 6.5 5.1	6.4 6.0 5.6 4.7 4.3	46.2 46.2 46.3 46.5 46.5	21.3 21.1 20.8 20.4 20.0	2.8 2.3 1.6 1.2	22.7 23.7 24.4 25.2 25.9	22.1 23.3 24.1 25.0 25.9	21.5 21.8 22.2 22.4 22.3	9.6 8.6 7.7 6.5 5.0	6.0 5.7 5.4 4.5 4.2	35.2 35.6 36.2 36.9 37.4	15.1 15.2 15.4 15.5 15.3	2.3 1.9 1.4 1.1
1945 1944 1943 1942 1941	33.6 33.0 32.5	34.1 33.5 32.9 32.2 31.8	26.1 25.3 24.5 23.7 23.0	3.8 2.9 2.1 2.4 2.8	4.6 3.6 2.7 1.8 1.2	46.4 45.6 44.8 44.1 43.5	19.7 19.1 18.4 17.7 17.2	.5	26.4 25.7 25.1 24.6 24.3	26.4 25.8 25.2 24.5 24.1	21.9 21.1 20.3 19.5 18.8	3.6 2.8 2.0 2.3 2.6	4.6 3.6 2.6 1.8 1.2	37.7 36.7 35.8 34.9 34.2	15.5 14.9 14.2 13.4 12.9	.5

HOUSING N 216-237

Series N 216-231. Mean Age of Stocks of Residential Structures: 1925 to 1970—Con.

		Gro	ss stocks	of resident	tial structi	ures			Ne	t stocks o	of resident	ial structu	res	
	Total.	Private	nonfarm	Pul	blic		Private	Total.	Private	nonfarm	Pu	blic		Private
Year	all types	1-4 unit	5 or more unit	Federal	State and local	Farm	non- house- keeping	all types	1-4 unit	5 or more unit	Federal	State and local	Farm	non- house- keeping
	216	217	218	219	220	221	222	224	225	226	227	228	229	230
1940 1939 1938 1938 1937	32.0 31.9 31.6 31.3 30.9	31.7 31.6 31.4 31.0 30.6	22.4 21.9 21.4 20.8 20.2	3.7 2.8 1.8 1.0	0.8 .6 .5	43.0 42.4 42.0 41.6 41.2	16.7 16.3 15.8 15.4 14.9	24.4 24.4 24.3 24.0 23.7	24.3 24.3 24.3 24.0 23.7	18.3 17.8 17.4 16.8 16.2	3.7 2.7 1.8 1.0	0.8 .6 .5	33.8 33.2 33.0 32.6 32.3	12.6 12.3 12.0 11.6 11.2
1935 1934 1933 1932 1932	30.4 29.9 29.2 28.5 27.8	30.2 29.6 28.9 28.2 27.5	19.5 18.7 17.9 17.0 16.1	.6 .5		40.8 40.3 39.7 39.0 38.4	14.3 13.7 13.0 12.4 11.7	23.4 22.8 22.1 21.4 20.6	23.3 22.8 22.1 21.4 20.7	15.5 14.7 13.8 12.9 12.0	.6 .5		31.8 31.4 30.7 30.0 29.3	10.7 10.1 9.4 8.7 7.9
1930 1929 1928 1927 1927 1926	27.3 26.8 26.6 26.6 26.8 27.0	27.0 26.5 26.2 26.2 26.3 26.4	15.4 14.8 14.7 15.0 15.8 16.7			37.8 37.4 37.0 36.6 36.3 35.9	11.0 10.7 10.4 10.3 10.4 10.8	20.1 19.6 19.5 19.6 19.9 20.2	20.2 19.7 19.5 19.6 19.8 20.1	11.3 10.6 10.4 10.7 11.4 12.3			28.7 28.2 27.9 27.6 27.4 27.0	7.2 6.8 6.5 6.3 6.3 6.7

Series N 232-237. Comparison of Residential Wealth Estimates: 1890 to 1950

[In billions of current dollars. June and April figures are for the first day of the month; December figures, last day of the month; where month is not specified, the specific date was not available. These estimates were compiled from the various sources shown in the footnotes]

	Cumul	ated wealth est	imates		Benchn	nark wealth est	imates
Date	Total	Structures	Land	Date	Total	Structures	Land
	232	233	234		235	236	237
1949 December 1939 December	212.5 99.2	173.6 77.4	38.9 21.8	1950 April ¹	260.0 87.4	(NA) (NA)	(NA) (NA)
1938 December	96.8 108.5	75.1 80.6	21.7 27.9	1938 ³	92.0 107.7 99.0	44.0 51.6 46.8	48.0 56.1 52.2
1922 December	71.3 40.1 22.9	51.1 27.3 14.6	20.2 12.8 8.3	1930 April 5	122.6 65.0	98.1 30.0	24.5 34.9
1890 June	15.0	9.0	6.0	1912 June ⁶ 1900 June ⁶ 1890 June ⁶	39.2 20.0 14.4	20.7 9.5 6.7	18.4 10.4 7.7

NA Not available.

¹ Derived from Census of Housing, 1950, Preliminary Reports, series HC-5, No. 1.

² Housing—Special Reports, Bureau of the Census, series H-1943, No. 1.

³ Robert R. Doane, The Anatomy of Wealth, Harper, 1940.

⁴ E. A. Keller, A Study of the Physical Assets, Sometimes Called Wealth of the United States, 1922-1933, University of Notre Dame Press, 1939.

⁵ David L. Wickens, Residential Real Estate, NBER, 1941.

⁶ Simon Kuznets, National Product since 1869, NBER, 1946.

CONSTRUCTION AND HOUSING

Series N 238-245. Occupied Housing Units and Tenure of Homes: 1890 to 1970

		Total po	pulation			Fenure of homes		
	Total occupied housing units	Number of	Per occupied	Occupied units report-	Owner o	ccupied	Renter o	ccupied
Year ¹	(1,000)	persons (1,000)	housing unit	ing tenure (1,000)	Number (1,000)	Percent	Number (1,000)	Percent
	238	239	240	241	242	243	244	245
TOTAL								
1970 2	63,450 53,024 49,874 42,826 37,600 34,855	203,211 179,326 (NA) 150,697 140,186 131,669	3.2 3.4 (NA) 3.5 3.7 3.8	68,450 53,024 49,874 42,826 37,600 34,855	39,885 32,796 30,121 23,560 20,009 15,196	62.9 61.9 60.4 55.0 53.2 43.6	23,565 20,227 19,753 19,266 17,591 19,659	37.1 38.1 39.6 45.0 46.8 56.4
1930 1920 1910 1910 1900	29,905 24,353 20,256 15,964 12,690	122,775 105,711 91,972 75,995 62,948	4.1 4.3 4.5 4.8 5.0	29,322 23,811 19,782 15,429 12,690	14,002 10,867 9,084 7,205 6,066	47.8 45.6 45.9 46.7 47.8	15,320 12,944 10,698 8,224 6,624	52.2 54.4 54.1 53.3 52.2
NONFARM	60 951	100 004		20.051	07.000	20.0	22.25	20.0
1970 2 1960* 1950 1945 - 1945 - 1940 -	60,351 49,458 37,105 31,281 27,748	192,624 165,851 127,649 (NA) 101,453	3.2 3.4 3.4 (NA) 3.7	60,351 49,458 37,105 31,281 27,748	87,393 30,164 19,802 15,878 11,413	62.0 61.0 53.4 50.8 41.1	22,957 19,294 17,304 15,403 16,335	38.0 39.0 46.6 49.2 58.9
1930	23,300 17,600 14,132 10,274 7,923	92,618 74,096 459,895	4.0 4.2 4.2	22,917 17,229 13,672 9,780 7,923	10,550 7,041 5,245 3,567 2,924	46.0 40.9 38.4 36.5 36.9	12,367 10,188 8,427 6,213 4,999	54.0 59.1 61.6 63.5 63.1
FARM								
1970 ²	3,095 3,566 5,721 6,319 7,107	10,589 13,475 23,049 (NA) 30,216	3.4 3.8 4.0 (NA) 4.3	3,095 3,566 5,721 6,319 7,107	2,492 2,633 3,758 4,131 3,783	80.5 73.8 65.7 65.4 53.2	608 933 1,963 2,188 3,324	19.5 26.2 34.3 34.6 46.8
1930	6,605 6,751 6,124 5,690 4,767	30,158 31,614 432,077	4.6 4.7 45.2	6,405 6,581 6,110 5,649 4,767	3,452 3,826 3,838 3,638 3,143	53.9 58.1 62.8 64.4 65.9	2,953 2,755 2,271 2,011 1,624	46.1 41.9 87.2 35.6 34.1

Series N 246-258. Housing Units Vacancy Rates, by Region: 1940 to 1970

[In percent. Annual averages, except as noted. For composition of regions, see text for series A 172-194]

9	All housi	ng units vac	ancy rate		Homeo	wner vacan	cy rate		:	Ren	tal vacancy	rate	
Year	Total	Year- round vacancy	Seasonal vacancy	United States	Northeast	North Central	South	West	United States	Northeast	North Central	South	West
	246	247	248	249	250	251	252	253	254	255	256	257	258
1970 1969 1968 1967 1966 1966	8.8 9.1 9.3 9.9 10.3	6.3 6.5 6.7 7.2 7.5	2.5 2.6 2.6 2.7 2.8	1.0 1.0 1.1 1.3 1.4	0.8 .8 .8 .7	1.0 .9 1.0 1.0	1.2 1.2 1.4 1.7 1.8	1.1 1.2 1.3 2.0 2.1	5.3 5.5 5.9 6.8 7.7	2.7 3.0 3.7 4.8 5.3	5.8 5.7 5.4 5.7 6.5	7.2 7.2 7.5 8.0 8.5	5.6 6.1 7.1 8.9 10.9
1965 1964 1963 1962 1961	10.5 10.3 10.3 10.1 10.2	7.6 7.3 7.2 7.4 7.6	2.9 3.0 3.1 2.7 2.6	1.5 1.5 1.5 1.4 1.4	1.0 1.1 1.0 1.1 1.1	1.2 1.3 1.4 1.2 1.2	2.0 1.9 1.9 1.7 1.7	1.9 1.8 1.9 1.6 1.3	8.3 8.3 8.3 8.1 8.7	5.6 5.2 5.1 4.7 4.9	7.2 7.9 8.7 9.0 9.3	9.0 9.1 9.2 9.9 10.4	11.9 11.0 10.2 9.5 10.7
1960* 1959 1958 1957 1956	10.1 10.0 9.9 9.1 8.8	7.4 7.0 6.7 6.2 6.2	2.7 3.0 3.2 2.9 2.6	1.3 1.2 1.2 1.0 1.0	1.0 1.0 1.0 .7	1,2 1,1 1,4 .9	1.6 1.2 1.0 .9 1.0	1.4 1.4 1.2 1.3 1.4	8.1 7.0 6.5 5.6 6.1	4.9 3.9 3.8 3.4 3.1	8.3 7.1 7.3 5.4 5.6	9.5 9.4 7.9 6.7 8.1	11.0 8.5 7.5 7.4 8.7
1950 ¹ 1940 ¹	6.9 6.6	4.4 4.5	2.5 2.0	.9									

^{*} Denotes first year for which figures include Alaska and Hawaii.

^{*} Denotes first year for which figures include Alaska and Hawaii.

NA Not available.

1 Figures for 1956 are for December 31; figures for 1945 are for November 1; figures for decennial years, 1890 to 1970, are for census dates.

² Farm-nonfarm breakdown will not add to total; "Total" figures were revised as a result of errors found after the tabulations were completed.

³ These figures are not comparable with other years; based on sample surveys.

⁴ Estimated; see text.

¹ As of April.

Series N 259-261. Price Indexes for 1-Family Houses: 1890 to 1947

		occupied 22 cities = 100)	Median asking price for existing			occupied 22 cities = 100)	Median asking price for existing		Owner-o houses, (1929	occupied 22 cities = 100)		houses,	occupied 22 cities = 100)
Year	Un- adjusted	Adjusted for depre- ciation	houses, Washing- ton, D.C.	Year	Un- adjusted	Adjusted for depre- ciation	houses, Washing- ton, D.C.	Year	Un- adjusted	Adjusted for depre- ciation	Year	Un- adjusted	Adjusted for depre- ciation
	259	260	261		259	260	261		259	260		259	260
947			\$12,309	1932	78.7	82.0	\$6,515	1917	80.1	68.0	1903	64.9	45.5
946			12,638	1931	87.9	90.4	6,796	1916	78.5	65.8	1902	63.9 54.2	42.4 37.0
945			10,131	1930	95.7	97.1	7,146	1915	71.7	59.2		1	1
944			8.649	1929	100.0	100.0	7,246	1914	78.1	63.7	1900	64.6	43.5
943			8,011	1928	102.1	100.7	7,333	1913	75.3	60.5	1899	56.5	37.5
942			7,573	1927	100.6	97.9	7,682	1912	75.3	59.7	1898	59.1	38.7
941			6,954	1926	104.5	100.4	7,748	1911	72 .5	56.7	1897 1896	55.5 53.8	35.9 34.3
			6,558	1925	108.9	103.1	7,809	1910	74.2	57.3			
			6,416	1924	103.5	96.7	7,720	1909	68.7	52.3	1895	62.1	39.0
938			6,420	1923	103.3	95.2	7,400	1908	70.3	52.8	1894	68.4	42.4
937			6,622	1922	101.8	92.5	1 7.197	1907	77.9	37.7	1893	58.7	35.9
936			6,145	1921	100.4	90.0	7,019	1906	70.6	51.6	1892 1891	56.3 55.3	34.0 32.9
.935			6,296	1920	102.7	90.8	6,296	1905	59.5	42.9	ĺ		
.934	77.9	78.3	5,972	1919	93.7	81.7	5,626	1904	67.9	48.3	1890	61.3	36.0
.933	75.7	80.0	5,759	1918	85.2	73.3	4,821	ł			1	1	!

Series N 262-272. Residential Nonfarm Mortgage Debt Outstanding, by Type of Holder: 1890 to 1970
[In millions of dollars]

					De	bt, excluding	real estate bon	ıds			
	Total debt, including						Institu	ıtional			
Year	real estate bonds	Total	Non- institutional	Total	Commercial banks	Mutual savings banks	Savings and loan associations	Life insurance companies	Home Owners' Loan Corp.	Federal National Mortgage Assn. ¹	Other
	262	263	264	265	266	267	268	269	270	271	272
1970 1969 1968 1967 1966		338,198 318,984 298,587 279,970 263,952	35,733 34,361 32,688 31,119 30,062	302,465 284,623 265,899 248,851 233,890	45,640 44,573 41,433 37,642 34,876	49,936 48,682 46,748 44,641 42,242	138,800 129,658 120,839 112,804 106,028	42,737 42,083 41,784 41,480 40,522		20,708 15,797 11,420 8,912 7,109	4,644 3,830 3,675 3,372 3,113
1965		250,120 231,142 211,229 192,295 175,895	29,445 28,673 27,244 25,898 24,564	220,675 202,469 183,985 166,397 151,331	32,387 28,933 26,476 23,482 21,225	40,096 36,487 32,718 29,181 26,341	102,347 94,236 84,882 74,103 65,447	38,400 35,761 32,674 31,122 29,899			2,676 2,588 2,506 2,477 2,203
1960		161,636 149,522 134,535 122,947 113,880 (NA)	22,493 21,120 19,701 17,757 16,707 (NA)	139,143 128,402 114,834 105,190 97,173 (NA)	20,362 20,320 18,591 17,147 17,004 17,004	24,306 22,486 20,935 19,010 17,703 17,703	57,569 51,187 44,122 38,885 34,761 35,014	28,744 27,249 25,921 24,992 23,745 23,745		6,297 5,581 3,937 4,011 3,085 3,047	1,865 1,579 1,328 1,145 875 (NA)
1955 1954 1953 1952 1952 4 1952 4	07 000	(NA) (NA) (NA) (NA) 69,121 62,026	(NA) (NA) (NA) (NA) 10,990 10,604	(NA) (NA) (NA) (NA) 58,131 51,422	15,888 14,152 12,925 12,188 12,188 11,270	15,568 13,211 11,334 9,883 9,833 8,595	30,832 25,670 21,523 18,028 17,590 14,801	21,213 18,557 16,558 15,045 15,112 13,865		2,615 2,436 2,463 2,242 2,210 1,818	(NA) (NA) (NA) (NA) 1,198 1,073
1950 1949 1948 1947 1946	46,456 41,461 35,701	54,362 45,896 40,861 535,071 29,459	10,422 10,461 10,189 9,689 8,809	43,938 35,435 30,672 25,382 20,650	10,431 8,676 8,066 6,933 5,146	7,054 5,569 4,758 3,937 3,588	13,104 11,117 9,841 8,475 6,843	11,035 8,232 6,754 5,005 4,021	10 231 369 486 636	1,328 806 198 4 6	978 804 686 542 410
1945 1944 1943 1942 1941	24,820 24,956 25,647	24,643 24,000 24,056 24,667 24,875	7,874 7,348 7,181 7,316 7,462	16,769 16,652 16,875 17,351 17,413	3,395 3,218 3,256 3,335 3,308	3,387 3,476 3,558 3,725 3,884	5,162 4,638 4,422 4,449 4,481	3,632 3,819 3,835 3,625 3,235	852 1,091 1,338 1,567 1,777	7 50 60 206 203	334 360 406 444 525
1940 1939 1938 1937 1936	23.326	23,810 22,740 22,046 21,924 21,915	7,278 7,156 7,105 7,089 6,967	16,532 15,584 14,941 14,835 14,948	2,997 2,719 2,535 2,415 2,285	3,914 3,875 3,830 3,851 3,897	4,078 3,748 3,523 3,414 3,257	2,887 2,557 2,226 2,163 2,142	1,956 2,038 2,169 2,398 2,763	178 144 80	527 503 578 594 604
1935 1934 1933 1932 1932	24,811 25,464 27,438	22,211 22,811 23,083 24,918 26,673	6,984 7,377 8,356 9,208 9,940	15,227 15,434 14,727 15,710 16,733	2,225 2,183 2,528 2,561 2,769	3,984 4,109 4,293 4,554 4,568	3,301 3,749 4,473 5,020 5,704	2,200 2,370 2,626 2,854 2,948	2,897 2,379 132		620 644 675 721 744

See footnotes at end of table.

CONSTRUCTION AND HOUSING

Series N 262-272. Residential Nonfarm Mortgage Debt Outstanding, by Type of Holder: 1890 to 1970-Con. [In millions of dollars]

				D	ebt, excluding	real estate bor	nds		
	Total debt, including					Instit	utional		
Year	real estate bonds	Total	Non- institutional	Total	Commercial banks	Mutual savings banks	Savings and loan associations	Life insurance companies	Other
	262	263	264	265	266	267	268	269	272
1930	30,176	27,649	10,629	17,020	2,844	4,388	6,149	2,878	761
1929	29,440	27,001	10,350	16,651	2,896	4,135	6,182	2,704	734
1928	27,238	24,958	9,301	15,657	2,805	4,016	5,757	2,406	673
1927	24,358	22,491	8,379	14,112	2,508	3,700	5,214	2,088	602
1927	21,500	19,956	7,409	12,547	2,319	3,349	4,570	1,775	534
1925	18,393	17,231	6,469	10,762	1,858	3,037	3,994	1,408	465
	15,514	14,794	5,360	9,484	1,621	2,756	3,519	1,132	406
	13,446	12,924	4,940	7,984	1,323	2,437	2,917	946	361
	11,441	11,080	4,283	6,797	1,055	2,167	2,468	788	319
	10,273	10,017	4,041	5,976	860	1,945	2,179	698	294
1920	9,354	9,120	3,846	5,274	800	1,782	1,860	558	274
	7,998	7,809	3,129	4,680	733	1,613	1,552	549	233
	7,555	7,407	3,031	4,376	651	1,535	1,387	578	225
	7,210	7,082	2,836	4,246	621	1,554	1,293	563	215
	6,495	6,387	2,391	3,996	580	1,501	1,175	541	199
1915	6,104	6,012	2,222	3,790	566	1,416	1,098	522	188
	5,800	5,724	2,118	3,606	520	1,362	1,013	531	180
	5,389	5,329	1,907	3,422	493	1,331	930	499	169
	4,933	4,881	1,659	3,222	485	1,264	847	469	157
	4,690	4,644	1,643	3,001	461	1,184	768	439	149
1910	4,466	4,426	1,634	2,792	445	1,111	690	403	143
	4,168	4,168	1,598	2,570	408	1,042	628	361	131
	3,948	3,948	1,586	2,362	357	974	575	334	122
	3,795	3,795	1,565	2,230	337	925	538	316	114
	3,676	3,676	1,584	2,092	328	885	487	287	105
1905	3,520	3,520	1,600	1,920	298	822	448	254	103
	3,341	3,341	1,567	1,774	251	768	423	238	94
	3,194	3,194	1,589	1,655	221	727	394	223	90
	3,102	3,102	1,543	1,559	195	694	378	207	85
	3,011	3,011	1,535	1,476	173	658	367	194	84
1900	2,917 2,835 2,783 2,746 2,711 2,292	2,917 2,835 2,783 2,746 2,711 2,292	1,493 1,466 1,430 1,411 1,369	1,424 1,369 1,353 1,385 1,342	158 148 144 140 141	632 595 570 550 532	371 376 396 403 429	183 172 169 169 166	80 78 74 73 74

Series N 273-277. Residential Nonfarm Mortgage Debt Outstanding, by Type of Property, and Government-Underwritten Debt: 1925 to 1970

[In billions of dollars. As of December 31. FHA = Federal Housing Administration; VA = Veterans Administration]

	1- to	4-family struc	tures	5-or-more un	it structures		1- to	4-family struc	tures	5-or-more un	it structures
		Government-	underwritten		FHA			Government-	underwritten		FHA
Year	Total	FHA insured	VA guaranteed	Total	insured	Year	Total	FHA insured	VA guaranteed	Total	insured
	273	274	275	276	277		273	274	275	276	277
1970	280.2 266.8 251.2 236.1 223.6	59.9 54.5 50.6 47.4 44.8	37.3 35.7 33.8 32.5 31.3	58.0 52.2 47.3 43.9 40.3	12.0 10.0 9.0 8.3 8.0	1960 1959 1958 1957 1956	141.3 130.9 117.7 107.6 99.0	26.7 23.8 19.7 16.5 15.5	29.7 30.0 30.4 30.7 28.4	20.3 18.7 16.8 15.3 14.9	5.9 5.4 5.0 4.4 3.9
1965 1964 1963 1962 1961	212.9 197.6 182.2 166.5 153.1	42.0 38.3 35.0 32.3 29.5	31.1 30.9 30.9 29.9 29.6	37.2 33.6 29.0 25.8 28.0	8.0 7.9 7.5 7.2 6.4	1955	88.2 75.7 66.1 58.5 51.7	14.3 12.8 12.0 10.8 9.7	24.6 19.3 16.1 14.6 13.2	14.3 13.5 12.9 12.3 11.5	4.0 4.1 4.0 3.9 3.7

NA Not available.

¹ Includes debt also held by Government National Mortgage Association.

² Federal Reserve Board estimates.

³ Klaman estimates.

Grebler-Blank-Winnick estimates.
 Estimate shown in source is 35,061. Change was made so that components would add to total.

HOUSING N 273-290

Series N 273-277. Residential Nonfarm Mortgage Debt Outstanding, by Type of Property, and Government-Underwritten Debt: 1925 to 1970—Con.

[In billions of dollars]

	1- to 4-family structures			5-or-more un	it structures		1- to 4-fami	ly structures	5-or-more unit structures		
		Government	overnment-underwritten		FHA			Government- underwritten,		FHA	
Year	Total	FHA insured	VA guaranteed	Total	insured	Year	Total	FHA insured	Total	insured	
	273	274	274 275		277		273	274	276	277	
50	45.2	8.6	10.3	10.1	3.2	1937	15.5	0.6	4.5	(Z) (Z)	
9	37.6 33.3	6.9	8.1	8.6	2.1	1936	15.4	.2	4.6	(Z)	
8	33.3	5.3 3.8	7.2 5.5	7.5 6.6	1.1	1935	15.4	(Z)	4.8	(Z)	
.7	28.2 23.0	3.8	2.4	6.1	.5 .2	1934	15.4	(<i>L</i>)	5.1	(Z)	
	20.0	0.1	2.4	0.1	.2	1933	15.4		5.7		
5	18.6	4.1	.2	5.7	.2	1932	16.7		6.0		
4	17.9	4.2		5.6	.2	1931	18.1		6.2		
3	17.8	4.1		5.8	.2						
2	18.2	3.7		5.8	.1	1930	18.9		6.5		
11	18.4	3.0		5.9	.1	1929	18.9		6.0		
	15.4			5.7	4	1928	17.9		$\frac{5.4}{5.0}$		
9	17.4 16.3	$\frac{2.3}{1.8}$		5.6	.1	1927 1926	16.4 14.8		4.6		
8	15.8	1.0		4.4	(Z) · · ·	1925	13.0		4.2		

Z Less than \$50 million.

Series N 278-284. Mortgage Loans on 1- to 4-Family Houses, by Type of Lender: 1925 to 1950
[In millions of dollars. Excludes Alaska and Hawaii]

	Mortgage loans on 1- to 4-family houses								Mortgage loans on 1- to 4-family houses						
Year	Total	Commer- cial banks	Mutual savings banks	Savings and loan associa- tions	Life insurance companies	Home Owners' Loan Corpora- tion	Individ- uals and others	Year	Total	Commer- cial banks	Mutual savings banks	Savings and loan associa- tions	Life insurance companies	Home Owners' Loan Corpora- tion	Individ- uals and others
	278	279	280	281	282	283	284		278	279	280	281	282	283	284
1950 1949 1948	16,008 11,069 11,357	3,429 2,236 2,636	1,400 990 980	5,237 3,636 3,607	1,742 1,093 1,132	2	4,200 3,112 3,000	1937 1936	2,588 2,302	513 472	196 202	897 755	232 140	27 128	723 605
1947	11,207 11,207 10,011	2,986 2,677	658 556	3,811 3,584	906 492	2 2 2 2	2,844 2,700	1935 1934 1933	2,259 3,170 1,093	474 195 233	118 95 104	564 451 414	77 16 10	583 2,263 132	443 150 200
1945 1944 1943	4,867 4,004 3,362	923 726 654	267 189 160	1,913 1,454 1,184	209 300 272	4 31 54	1,551 1,304 1,038	1932 1931	1,408 2,232	257 368	254 353	543 892	54 169		300 450
1942	3,319 3,931	721 847	179 243	1,051 1,379	374 371	40 63	954 1,028	1930 1929 1928	3,189 4,442 4,947	455 538 696	352 468 544	1,262 1,791 1,932	400 525 525		720 1,120 1,250
1940 1939 1938	3,510 2,912 2,437	838 604 470	204 157 177	1,200 986 798	324 274 242	143 151 81	801 740 669	1927 1926 1925	4,857 4,863 4,240	585 819 650	517 475 450	1,895 1,824 1,620	500 465 400		1,360 1,280 1,120

Series N 285-290. Mortgage Recordings of \$20,000 or Less, by Type of Lender: 1939 to 1964

[In millions of dollars. Excludes Alaska and Hawaii]

		Mortga	ge recording	gs of \$20,000	or less			Mortgage recordings of \$20,000 or less						
Year	Total	Commer- cial banks	Mutual savings banks	Savings and loan associa- tions	Life insurance companies	All others	Year	Total	Commer- cial banks	Mutual savings banks	Savings and loan associa- tions	Life insurance companies	All others	
	285	286	287	288	289	290		285	286	287	288	289	290	
964 963	36,921 36,925 34,187	6,656 6,354	2,182 2,061	15,759 16,716	1,408 1,339	10,916 10,455	1951 1950	16,405 16,179	3,370 3,365	1,013 1,064	5,295 5,060	1,615 1,618	5,112 5,079	
962 961	34,187 31,157	5,851 4,997	1,958 1,741	15,144 13,662	1,212 1,160	10,022 9,597	1949 1948	11,828 11,882	2,446 2,664	750 745	3,646 3,629	1,046 1,016	5,073 3,940 3,829	
960 959	29,341 32,235	4,520 5,832	1,557 1,780	12,158 13,094	1,318 1,523	9,788 10,006	1947 1946	11,729 10,589	3,004 2,712	596 548	3,650 3,483	847 503	3,63 3,34	
958 957 956	27,388 24,244 27,088	5,204 4,264 5,458	1,640 1,429 1,824	10,516 9,217 9,532	1,460 1,472 1,799	8,568 7,862 8,475	1945 1944 1943	5,650 4,606 3,861	1,097 878 753	217 165 152	2,017 1,560 1,238	250 257 280	2,069 1,746 1,439	
955 954	28.484	5,617	1,857	10,452	1,932	8,626	1942	3,943 4,732	886 1,166	166 218	1,171 1,490	362 404	1,35 1,45	
953 953 952	22,974 19,747 18,018	4,239 3,680 3,600	$1,501 \\ 1,327 \\ 1,137$	8,312 7,365 6,452	1,768 1,480 1,420	7,154 5,895 5,409	1940 1939	4,031 3,507	1,006 891	170 143	1,284 1,058	334 287	1,23 1,12	

CONSTRUCTION AND HOUSING

Series N 291-300. Major Federal Housing Finance Programs: 1934 to 1970

[In millions of dollars. Includes Alaska and Hawaii for all years]

	Lo	ans made with	1 Federal Hou			e e	Loans	Federal : Mortgage A	Advances	
Year	Property improve-			fortgage loans Homes	· · · · · · · · · · · · · · · · · · ·		made with Veterans Administra- tion	Purchases ²	Sales 3	outstanding of the Federal Home Loan
	net proceeds	Total	Total	New	Existing	Projects	guaranty		(дтояв)	Banks 3 4
	291	292	293	294	295	296	297	298	299	300
970 969 968 968 967	617 693 656 623 641	11,364 8,487 7,619 6,527 6,678	8,114 7,121 6,496 5,885 6,095	2,667 1,551 1,572 1,369 1,729	5,447 5,570 4,924 4,516 4,366	3,250 1,316 1,123 642 583	3,442 4,072 3,774 3,405 2,600	5,712 5,119 4,534 1,400 2,081	154 61 21 12	10,615 9,289 5,259 4,386 6,935
965 964 968 962	634 663 804 834 855	8,056 7,468 6,412 6,349 5,691	7,465 6,578 5,569 5,270 4,765	1,705 1,608 1,664 1,849 1,783	5,760 4,965 8,905 8,421 2,982	591 895 843 1,079 926	2,652 5 2,851 5 8,042 2,650 1,886	757 198 181 547 624	47 78 780 891 522	5,997 5,325 4,784 3,479 2,662
960	982 997 868 869 692	5,311 6,698 5,480 2,846 2,769	4,600 6,069 4,551 2,251 2,638	2,197 2,563 1,666 880 1,133	2,403 3,507 2,885 1,371 1,505	711 628 929 595 130	1,984 2,788 1,864 3,758 5,866	980 735 260 1,021 575	42 3 466 3 5	1,981 2,134 1,298 1,265 1,228
955	646 891 1,334 848 707	3,161 2,174 2,548 2,264 2,512	3,085 1,942 2,289 1,942 1,928	1,269 1,035 1,259 969 1,216	1,816 907 1,030 974 713	76 232 259 322 584	7,154 4,256 2,464 2,678 4,252	86	- - 	1,417 868 952 864 806
950	. 594	8,649 8,281 2,725 1,255 485	2,492 2,210 2,116 895 422	1,637 1,317 1,432 477 120	856 892 684 418 302	1,157 1,021 609 360 13	3,073 1,424 1,877 3,283 2,302			816 433 515 436 294
945 944 948 948 949	171 114 86 126 228	494 763 848 994 924	474 707 763 973 911	257 484 553 766 728	217 224 210 208 183	20 56 85 21 14				195 131 110 129 219
940	179 138 54	775 747 538 485 311	762 695 486 424 309	587 486 240 169 95	175 208 246 256 214	13 52 48 10 2				202 181 199 200 145
1935 1934		96 (⁷)	(⁷)	(⁷) 22	(⁷)	(7)				103 87

Represents zero.
 Includes Alaska, Hawaii, Puerto Rico, Guam, and Virgin Islands for all years.
 Beginning 1968, includes purchases and sales of Government National Mortgage Association; see text.
 Purchases and sales during the year.

<sup>Includes Alaska, Hawaii, Puerto Rico, and Guam for all years.
Loans outstanding at the end of the year.
Includes direct loans sold with a guaranty.
Includes 1944 activity.
Included in 1935 figures.</sup>

HOUSING N 301-307

Series N 301. Real Estate Foreclosures of Nonfarm Properties: 1926 to 1970

[New series is based on a new, 1967, benchmark and includes Alaska and Hawaii and farm foreclosures; the old series excludes them]

Year	Number	Year	Number	Year	Number	Year	Number	Year	Number
•	301		301		301		301		301
NEW SERIES		OLD SERIES—Con.		OLD SERIES—Con.		old series—Con.		OLD SERIES—Con.	
1970 1969 1968 1967	101,070 95,856 110,404 134,203	1964 1963 1962 1961 1960	98,195 86,444	1954 1953 1952 1951 1950	18,135 18,141	1944 1943 1942 1941 1940	17,153 25,281 41,997 58,559 75,556	1934 1983 1982 1931 1930	230,350 252,400 248,700 193,800 150,000
OLD SERIES 1968	90,941 110,541 117,473 116,664	1959 1958 1957 1956 1955	34,204	1949 1948 1947 1946 1945	10,559	1939 1938 1937 1936 1935	100,410 118,357 151,366 185,439 228,713	1929 1928 1927 1926	134,900 116,000 91,000 68,100

Series N 302-307. Mortgage Status of Nonfarm Owner-Occupied Housing Units: 1890 to 1970 [In thousands, except as indicated]

	Total owner-	Reporting	Morts	gaged		Median debt-to-value	
Year	occupied housing units	mortgage status	Number	Percent	Not mortgaged	ratio of mortgaged units (percent)	
	\302	303	304	305	306	307	
1970 1 1960* 1956 1950 1940 1930 1920 1910 1900 1890	33,206 27,862 25,637 19,802 11,413 10,550 7,041 5,245 3,567 2,924	88,206 27,862 25,687 17,796 10,611 (NA) 6,868 5,110 3,395 2,924	20,110 15,816 14,208 7,825 4,805 (NA) 2,736 1,701 1,087 810	60.6 56.8 55.4 44.0 45.3 (NA) 39.8 33.8 32.0 27.7	13,096 12,046 11,434 9,971 5,806 (NA) 4,132 3,409 2,308 2,114	52.0 53.3 (NA) 42.0 52.4 	

^{*} Denotes first year for which figures include Alaska and Hawaii. NA $\,$ Not available.

¹ Data as of 1971.

Manufactures

P 1-374. General note.

Manufacturing is the mechanical or chemical transformation of inorganic or organic substances into new products. The assembly of component parts of products is also considered to be manufacturing if the resulting product is neither a structure nor other fixed improvement. These activities are usually carried on in plants, factories, or mills, which characteristically use power-driven machines and materials-handling equipment.

Manufacturing production is usually carried on for the wholesale market, for transfer to other plants of the same company, or to the order of industrial users rather than for direct sale to the household consumer. However, some manufacturers (e.g., baking, milk bottling, etc.) sell chiefly at retail to household consumers through the mail, house-to-house routes, or salesmen. Some activities of a service nature (enameling, binding, platemaking, etc.) are included in manufacturing when they are performed primarily for the trade; but they are considered nonmanufacturing when they are performed primarily to the order of the household consumer. On the other hand, some manufacturing industries include business firms which do not undertake physical production but perform only the entrepreneurial functions of buying the materials, designing, and marketing the product, and have the actual production done on contract (e.g., apparel jobbers).

In addition to the production of goods and manufacturing services, manufacturing plants engage in related and diverse supporting activities. These activities encompass the acquisition of materials to be processed, their movement into the manufacturing facility, their storage at the manufacturing site, the operation and maintenance of plant and equipment, the design of flow of work through the production process, and necessary arrangements for shipment of output to customers. Also included are a host of subsidiary activities associated with the conduct of the establishment as a manufacturing entity; e.g., management and policy formation, product and market orientation, engineering and quality control, record keeping and accounting, physical security of plant and equipment, and the like. Such subsidiary activities may be performed by personnel located at the manufacturing facility or at an auxiliary unit serving one or more manufacturing locations of the same company. Where these activities are carried on at a different physical location or are performed for more than one plant, they are excluded from the figures for operating manufacturing establishments and are included in the data shown for central administrative offices and auxiliaries in the source reports.

The Standard Industrial Classification (SIC) Manual, published by the Office of Management and Budget, is a classification structure for the entire national economy. It was first issued in 1939. For the manufacturing industries, a revised manual was issued in 1945 which, with minor modifications, was used in the 1947 Census of Manufactures. For the 1954 census, the classification structure used in 1947 was again employed, again with minor modifications. In 1957, the SIC system was extensively revised for manufacturing industries and historical comparability of some data was seriously affected. This revision and its effects on census series are described in the introduction and appendixes to the 1958 Census of Manufactures volumes. A minor revision of the SIC occurred between 1958 and 1963. Another extensive revision of the SIC was issued in 1972.

In the manufacturing sector, the SIC Manual built upon the Bureau of the Census manufacturing industry classifications developed over the years. The SIC system was developed for use in classifying establishments by type of activity in which they are engaged in order to facilitate the collection, tabulation, and publication of data relating

to establishments and to promote uniformity and comparability in the presentation of statistical data by government agencies, trade associations, research organizations, and others. The SIC system divides all activities into broad industrial divisions (manufacturing, mining, retail trade, agriculture, etc.). It further subdivides each division into major industry groups, then into industry groups, and finally into detailed industries.

Except as noted, Alaska and Hawaii are included in census of manufactures data and in annual survey of manufactures data beginning 1958.

P 1-12. Manufactures summary, 1849-1970.

Source: U.S. Bureau of the Census, Annual Survey of Manufactures, 1970-1971, p. 10.

The basic source of comprehensive data on manufactures has been the census of manufactures conducted by the Bureau of the Census. The first census of manufactures covered 1809. A census was taken at 10-year intervals thereafter to 1899 (with the exception of 1829), at 5-year intervals for 1904-1919, and biennially for 1921-1939. The census was suspended during World War II, but was resumed for 1947. Legislation enacted in 1948 provided for a census of manufactures every 5 years, with annual sample surveys authorized for interim years. The 1954 census was the first to be taken as a result of this legislation. Subsequently, the census intervals were revised and censuses were taken in 1958, 1963, and 1967. Annual surveys of manufactures were conducted every year beginning 1949, except during census years. The data from the annual surveys represent estimates derived from a sample of manufacturing establishments canvassed. These estimates may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The relative standard errors (measures of the potential differences) associated with these estimates are published in the annual survey volumes.

There have been changes in scope from one census of manufactures to another. For "factories and hand and neighborhood industries," data for 1849–1899 are for all establishments with products valued at \$500 or more. For "factories, excluding hand and neighborhood industries," data for 1899–1919 are for establishments reporting value of shipments of \$500 or more; for 1921–1939, for establishments reporting value of shipments of \$5,000 or more, while data beginning 1947 are for establishments employing one or more persons at any time during the census year. These changes in the minimum size limit have not appreciably affected the historical comparability of the census figures except for data on number of establishments.

There have also been a number of changes in the definition of manufacturing industries. Among the more important were changes in the treatment of "railroad repair shops" and "manufactured gas." These industries are included in the figures for 1899–1933, but excluded for 1935–1970. When the change results in the omission of an entire industry for which separate tabulations are available during each census, the adjustments are usually carried back through the previous censuses. Beginning 1954, the figures cover the logging camps and contractors industry, which was not included within the scope of the 1947 census; and establishments engaged in the processing and distribution of fluid milk, which were not included in the figures for earlier census years. Beginning 1958, the figures cover establishments classified in the ready-mixed concrete industry, and establishments classified in the miscellaneous machinery industry that were engaged exclusively or almost exclusively in machine shop repair work. Data for

such establishments are excluded for 1939 to 1957 but included for 1929 and earlier years.

For a discussion of changes between 1929 and 1958, see U.S. Bureau of the Census, *Census Working Paper*, No. 9, 1959, by Harold T. Goldstein. There have been no major changes since 1958.

P 1-2, number of establishments. The reporting units in each census have been establishments rather than legal entities or companies. Conceptually, an establishment is a geographically isolated manufacturing unit maintaining independent bookkeeping records, regardless of its managerial or financial affiliations. An establishment may be a single plant, a group of closely located plants operated as a unit, or a group of closely located plants operated by a single company without separate records for each. The establishment is also the basic unit of industrial classification, being assigned to an industry on the basis of its reported product of chief total value. Establishments owned and operated by the Federal Government are excluded from census coverage.

P 3-5, persons engaged in manufacturing. The figures for 1939-1970 exclude personnel reported by manufacturing establishments as in distribution and in construction work (the 1939 and subsequent censuses required separate reporting for such employees). Therefore, the employee figures for earlier years probably are not strictly comparable with those for 1939-1970. It is not known how many of the wage earners and the salaried employees reported in previous censuses were engaged in distribution and construction, and how many were engaged in manufacturing. The figures for nonproduction employees are derived by subtracting the figures for production workers from those for all employees shown in the source. For nonproduction employees, series P 4, the figures for 1939 and earlier years refer to one payroll period, usually in October; for 1947, to an average of 12 monthly figures; for 1949 to 1954, to an average for the payroll period ended nearest the 12th of March, May, August, and November; and for 1955 to 1970, to the payroll period ended nearest the 12th of March. For production workers, series P 5, the figures for 1947 and earlier years represent the average of 12 monthly figures; for 1949 to 1970, they are based on employment for the payroll period ended nearest the 12th of March, May, August, and November.

Employees comprise all full-time and part-time employees on the payrolls of operating establishments who worked or received pay for any part of the pay period specified on the report form. Officers of corporations are included as employees; proprietors and partners of unincorporated firms are, however, excluded from the total. In recent censuses, employment at separate administrative offices and auxiliary units is excluded from this category.

There has not been a consistent treatment of employees in central administrative offices. The latter are defined as offices which operate one or more manufacturing plants located in a city or cities other than that in which the administrative office is located. For the censuses of 1909-1923, data on employees in such offices were collected on a separate "administrative schedule" and were tabulated and included with those for salaried employees (and, therefore, with all employees) of the manufacturing plants. Thereafter, these data were collected and tabulated for the censuses of 1925, 1929, and 1937. Beginning 1954, separate data on employment in administrative offices and auxiliary establishments were compiled in census years and are shown in census of manufactures publications. The figures for nonproduction employees for 1925 and 1929 include employees in central administrative offices. To make the 1937 figure for nonproduction employees more comparable to the figures for 1929 and earlier years (except 1927), 130,854 employees in central administrative offices should be added to the 1937 figure (1937 Census of Manufactures, p. 1652), and to make the 1954 figure more comparable to the figures for 1929 and earlier years (except 1927), 474,256 employees in administrative and auxiliary units should be added to the 1954 figure (U.S. Census of Manufactures: 1954, vol. II, part 1, p. 2).

Collection of data on proprietors and partners was discontinued after the 1963 census.

Production workers are defined as workers (up through the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial, watchman services, product development, auxiliary production for plants' own use (e.g., power plant), recordkeeping, and other services closely associated with these production operations at the establishment covered by the report. Supervisory employees above the working foreman level are excluded from this category.

Decennial estimates of wage earners (production and related workers) excluding hand and neighborhood industries have been prepared for 1869–1899 by John W. Kendrick and Maude Pech for the National Bureau of Economic Research. The following is the estimated number of wage earners for each of these years: 1869, 1,803,000; 1879, 2,454,000; 1889, 3,562,000; 1899, 4,496,000. This estimate for 1899 differs from the official Census Bureau estimate (series P 5) by only one-tenth of one percent. For details of estimating procedure, see John W. Kendrick, *Productivity Trends in the United States*, National Bureau of Economic Research, New York, 1961, appendix D.

P 6, man-hours, production workers. This series covers all plant man-hours of production and related workers. It represents all man-hours worked or paid for except hours paid for vacations, holidays, or sick leave and includes actual overtime hours. Where employees elected to work during vacation periods, only the actual hours they worked were reported. The man-hour figures issued by the Census Bureau differ from those published by the Bureau of Labor Statistics which cover all hours paid for, whether or not worked.

P 7-9, payroll. These figures include gross earnings paid in the calendar year to all employees on the payroll of operating manufacturing establishments. They include all forms of compensation such as salaries, wages, commissions, dismissal pay, all bonuses, vacation and sick leave pay, and compensation in kind, prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. Salaries of officers of these establishments are included for corporations; payments to proprietors and partners are excluded for unincorporated concerns. Also excluded are payments to members of Armed Forces and pensioners carried on the active payrolls of manufacturing establishments. Employers' Social Security contributions or other nonlabor costs such as pension plans, group insurance, and workmen's compensation are also excluded.

P 10, value added by manufacture. The standard formula for calculating value added by manufacture since 1958 differs from the one used for 1954 and earlier years. Prior to 1958, the value added of an establishment was calculated by subtracting the cost of materials, supplies, containers, fuels, purchased electric energy, and contract work from the value of shipments for products manufactured plus miscellaneous receipts for services rendered. This is known as unadjusted value added. Beginning 1958, the measure of value added has been adjusted for each establishment in two respects. Value added now includes: (1) Value added by merchandising, i.e., the difference between the sales value and cost of merchandise sold without further manufacture, processing or assembly; and (2) an adjustment for the net change in finished goods and work-in-process inventories between the beginning and end of the year. The resulting figure is the adjusted value added. This procedure avoids the duplication in the "value of shipments" figures which results from the use of products of some establishments as materials by others. The "value added by manufacture" concept should not be confused with "national income originating in manufacturing," as presented in the national income estimates (see chapter F). The latter is obtained by subtracting from the value of shipments not only the cost of materials, but also such other costs as depreciation charges, State and local taxes (other than corporate income taxes), allowance for bad debts, and purchases of services from nonmanufacturing enterprises such as services of engineering and management consultants, advertising, telephone and telegraph expense, insurance, royalties, patent fees, etc. It is, therefore, a more "net" concept of value added than that used in the census of manufactures. Value added by manufacture in 1967, for example, exceeded national income originating in manufacturing, as estimated by the U.S. Office of Business Economics, by 34 percent.

Robert E. Gallman prepared estimates of value added for the census years 1839 to 1879 by adjusting manufacturing totals to exclude nonmanufacturing industries and by correcting for industries omitted from or poorly covered by the various censuses. These estimates are extrapolations based on data prepared by Richard A. Easterlin and published in "Estimates of Manufacturing Activity," Population Redistribution and Economic Growth, United States, 1870–1950, vol. I, by Everett S. Lee, Ann Ratner, Carol P. Brainerd, and Richard A. Easterlin, American Philosophical Society, Philadelphia, 1957, pp. 635–681. The following are Gallman's estimates:

Table I. Value Added by Manufacture
[In millions of dollars]

Year	Current prices	Prices of 1879
1899	5,044	6,252
1889	3,727	4,156
1879	1,962	1,962
1869	1,631	1,078
1859	815	859
1849	447	488
1839	240	190

Source: Robert E. Gallman, "Commodity Output in the United States, 1839–1899," Studies in Income and Wealth, National Bureau of Economic Research, New York, 1961, vol. 24, table A 13.

P 11, capital expenditures, new. Manufacturers were asked to report expenditures made during the year for permanent additions and major alterations to their plants, as well as for new machinery and equipment purchases that were chargeable to fixed-asset accounts of manufacturing establishments and were of a type for which depreciation accounts are ordinarily maintained. Excluded are costs of maintenance and repairs charged as current operating expense, new facilities and equipment leased from other companies, new facilities owned by the Federal Government but operated under contract by private companies, and plant and equipment furnished to manufacturers by communities and organizations. Beginning 1951, the figures include expenditures for plants under construction and not yet in operation. (In the series by major groups, P 58-67, however, such expenditures are included beginning only in 1958.)

P 12, end-of-year inventories. Respondents were asked to report their inventories at approximate current costs if feasible; otherwise at book values. See also text for series P 74–92.

P 13. FRB index of manufacturing production, 1919-1970.

Source: Board of Governors of the Federal Reserve System, Industrial Production, 1971 Edition, S-45.

In the 1971 revision of the FRB industrial production index detailed adjustments were made to independently compiled Census-Federal Reserve benchmark and annual production levels for this series. All of the revisions have been carried back in detail to 1954 and in more limited fashion to 1939. The index comparison base has been updated to the single year 1967. Conversion to the new base has been carried back to the beginning of the index in 1919.

In this revision the manufacturing series was adjusted in detail to changes in the comprehensive Census-Federal Reserve production benchmarks for the years 1954 to 1958 and 1958 to 1963; the index had previously been adjusted to such benchmark changes for manufacturing from 1939 to 1947 and from 1947 to 1954. Where adequate product data were not available for the intervening years

1955–62 and for years 1964 through 1970, annual levels were adjusted to the detailed results of a new annual production index program for all 4-digit manufacturing industries based largely on deflated data from the Census Bureau's *Annual Survey of Manufactures*. Revised production levels for 1940 through 1946 are based on a combination of several types of independent annual data adjusted to the Census-Federal Reserve benchmark indexes from 1939 to 1947.

The year 1967 was selected for use as the weight base for the most recent period, beginning 1967. The year 1963 is used for the 1963-66 period, 1958 for the 1958-62 period, and 1954 for the 1954-57 period. The year 1947 continues to be used as the weight base for the 1947-52 period and 1939 weights have been introduced for the 1939-46 period.

For a more detailed description of the revised production series, see the source report of the Federal Reserve Bulletin for July 1971.

P 14. NBER index of manufacturing production, 1929-1966.

Source: John W. Kendrick, *Postwar Productivity Trends in the United States*, 1948–1969, National Bureau of Economic Research, New York, 1973, table A 32 (copyright).

The manufacturing output index is based on the Census-Federal Reserve Board (FRB) benchmark production indexes for 1947, 1954, 1958, and 1963, interpolated and extrapolated to 1966 by the FRB indexes of manufacturing production.

See also John W. Kendrick, Productivity Trends in the United States, National Bureau of Economic Research, 1961.

P 15-16. NBER index of manufacturing production, 1899-1919.

Source: U.S. Bureau of the Census, unpublished data.

These data were prepared by extending and shifting the production indexes originally prepared from census of manufactures data by Solomon Fabricant, National Bureau of Economic Research. The original data were first presented in Solomon Fabricant, *The Output of Manufacturing Industries*, 1899–1937, National Bureau of Economic Research, New York, 1940. These indexes cover only those years for which a census of manufactures was taken. Because of the inadequacy of data for most groups, no attempt was made to interpolate between intercensal years. For details of method of construction, see Fabricant's book, chapter 2 and appendix A.

P 17. Frickey index of manufacturing production, 1860-1914.

Source: Edwin Frickey, Production in the United States, 1860-1914, Harvard Economic Studies, Harvard University Press, 1947, p. 54.

In the derivation of these indexes, Frickey employed the weighted arithmetic mean of quantity relatives. With respect to weighting, he took the value-added principle as his standard and conformed to this standard as nearly as possible with existing data. For details on constituent series, see the source, appendixes A and B.

Making use of the figures for series P 13-17 and other data, John W. Kendrick has constructed an index of manufacturing, with 1929 as the base, for benchmark years 1869, 1879, and 1889, and annually thereafter through 1953. See appendix table D-II for figures and appendix D for description of this index in Kendrick's *Productivity Trends in the United States*, National Bureau of Economic Research, New York, 1961.

P 18-39. Indexes of manufacturing production (FRB), by industry group, 1947-1970.

Source: Board of Governors of the Federal Reserve System, Federal Reserve Bulletin, July 1971 and later issues, and unpublished data.

See text for series P 13. For description of industry groups, see text for series P 58-67.

P 40-57. Indexes of manufacturing production, by industry group, 1899-1954

Source: U.S. Bureau of the Census, unpublished data.

See text for series P 15 and 16.

For a listing of changes in industry classifications as of 1947, see Census of Manufactures, 1947, Indexes of Production, footnote to table 1, p. 1. For an annual index of durable and nondurable production (1899 = 100) for 1860-1914, see text for series P 17.

P 58-67. General statistics for manufacturing industries, by major groups, 1899-1970.

Source: U.S. Bureau of the Census. For all series except P 67, earliest year shown to 1967, Census of Manufactures, 1967, vol. II, parts 1, 2, and 3, table 1 for each major group; 1968–1970, Annual Survey of Manufactures, 1971. Series P 67, earliest year shown to 1929, Fifteenth Census of the United States: 1939, vol. II, Manufactures, 1929; 1939, Census of Manufactures: 1954, vol. II, parts 1 and 2; 1954 and 1962, Census of Manufactures: 1963, vol. I, pp. 6–10.

See general note for series P 1-374 and text for series P 1-12.

Food and kindred products. This group includes establishments manufacturing foods and beverages for human consumption and certain related products, such as manufactured ice, chewing gum, vegetable and animal fats and oils, and prepared feeds for animals and fowls. Also included are establishments primarily engaged in processing and distributing fluid milk and cream and those primarily engaged in extracting animal and vegetable oils.

Figures are not shown prior to 1921 because they are not sufficiently comparable with those for later years owing to numerous changes in classification.

Tobacco manufactures. This group includes establishments manufacturing cigarettes, cigars, smoking and chewing tobacco, and snuff, and stemming and redrying tobacco.

Textile mill products. This group includes establishments: (1) Manufacturing yarn, thread, cordage, and twine; (2) manufacturing woven fabric, carpets and rugs, braids, laces, knit fabric, knit garments, and other products from yarn; (3) dyeing and finishing fibers, yarn, and fabrics; and (4) coating, waterproofing, and otherwise treating fabric. Also included are establishments weaving or knitting fabrics and also manufacturing finished apparel or other fabricated textile products in the same establishment.

Apparel and other textile products. This group includes establishments producing clothing and fabricated products by cutting and sewing purchased woven or knit textile fabrics and related materials such as leather, rubberized fabrics, plastics and furs. Excluded from this group are knitting mills primarily engaged in manufacturing apparel from yarns knitted in the same establishment and weaving mills that further process the fabric at the same establishment into such end products as sheets, towels, and pillowcases, both of which are classified in textile mill products. Custom tailors and dressmakers, who manufacture and sell apparel in the same retail establishment, are classified as nonmanufacturing.

Three types of establishments are included in this group: (1) The regular factories or "manufacturers," (2) the apparel "jobbers," and (3) the contract factories or "contractors." The manufacturers purchase fabric, employ production workers in their own plants to cut and sew the materials into apparel, and sell the final product. The jobbers primarily perform entrepreneurial functions such as buying raw materials, designing and preparing samples, arranging for the manufacture of the garments from their materials, and selling of the finished apparel. The actual processing (cutting, sewing, etc.) is performed on contract by the apparel contractors, although many jobbers perform the cutting operation in their own establishments. Apparel jobbers are included in manufacturing. However, jobbers of miscellaneous fabricated textile products, such as curtains, draperies, etc., are classified in wholesale trade.

Lumber and wood products. This group includes logging camps cutting timber and pulpwood, merchant sawmills, lath mills, shingle mills, cooperage-stock mills, planing mills, and plywood mills and

veneer mills producing lumber and wood basic materials; and establishments manufacturing finished articles made entirely or mainly of wood or wood substitutes. See also furniture and fixtures and miscellaneous manufacturing.

Woodworking in connection with construction, in the nature of reconditioning and repair, or performed to individual order, is classified in nonmanufacturing.

Furniture and fixtures. This group includes establishments manufacturing household, office, public building, and restaurant furniture; and office and store fixtures. Establishments primarily engaged in woodworking to individual order or in reconditioning and repair are classified in nonmanufacturing.

Paper and allied products. This group includes the manufacture of pulps primarily from wood, and from rags and other cellulose fibers; the conversion of these pulps into paper or board; and the manufacture of paper and paperboard into converted products such as coated paper, paper bags, paperboard boxes, and envelopes. Certain types of converted paper products—such as abrasive paper, carbon paper, and photo-sensitized and blueprint paper—are classified in other groups.

Printing and publishing. This group includes establishments engaged in printing, such as letterpress, lithography, gravure, or screen; establishments which perform printing services such as bookbinding, typesetting, engraving, photoengraving, and electrotyping and establishments publishing newspapers, books, and periodicals, regardless of whether or not they do their own printing. News syndicates are classified in service industries, and textile printing and finishing in textile mill products. Prior to 1935, data reported by religious, social, charitable, educational, and other nonprofit organizations are not included; thereafter, data are included only for such nonprofit organizations whose employees are covered by the Social Security system.

Chemicals and allied products. This group includes establishments producing basic chemicals, and establishments manufacturing products by predominantly chemical processes. Establishments classified in this group manufacture three general classes of products: (1) Basic chemicals such as acids, alkalies, salts, and organic chemicals; (2) chemical products to be used in further manufacture such as synthetic fibers, plastics materials, dry colors, and pigments; and (3) finished chemical products to be used for ultimate consumption, such as drugs, cosmetics, and soaps, or to be used as materials or supplies in other industries, such as paints, fertilizers, and explosives. Establishments primarily packaging, repacking, and bottling purchased chemicals and allied products are classified in trade industries.

Petroleum and coal products. This group includes establishments primarily engaged in petroleum refining, manufacturing paving and roofing materials, and compounding lubricating oils and greases from purchased materials. Establishments manufacturing and distributing gas to consumers are classified in public utilities industries, and those primarily engaged in producing coke and byproducts in primary metal industries. Establishments primarily engaged in producing crude petroleum, natural gas, natural gasoline, and cycle condensation are classified in mining industries.

Rubber and plastics products, not elsewhere classified. This group includes establishments manufacturing from natural, synthetic, or reclaimed rubber, gutta percha, balata, or gutta siak, rubber products such as tires, rubber footwear, mechanical rubber goods; heels and soles, flooring, and rubber sundries. It also includes establishments manufacturing or rebuilding retreaded tires, but automobile tire repair shops engaged in recapping and retreading automobile tires are classified in services. This group also includes establishments molding primary plastics for the trade and manufacturing miscellaneous finished plastics products. Elastic webbing, products made of elastic webbing and garments made from rubberized fabrics, synthetic rubber, and plastics materials in the form of sheets, rods, tubes, granules, powders, and liquids are classified elsewhere.

Leather and leather products. This group includes establishments tanning, currying, and finishing hides and skins; establishments manufacturing finished leather and artificial leather products and some

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similar products made of other materials; and leather converters. Stone, clay, and glass products. This group includes establishments manufacturing flat glass and other glass products, cement, structural clay products, pottery, concrete, and gypsum products, cut-stone products, abrasive and asbestos products, etc., from materials taken principally from the earth in the form of stone, clay, and sand. When separate reports are available for mines and quarries operated by these establishments, the mining activities are classified in mining industries; otherwise, the mining activities are classified here.

Primary metal industries. This group includes establishments smelting and refining ferrous and nonferrous metals from ore, pig, or scrap; rolling,drawing, and alloying of ferrous and nonferrous metals; manufacturing castings, forgings, and other basic products of ferrous and nonferrous metals; and manufacturing nails, spikes, and insulated wire and cable. It also includes the production of coke.

Figures are not shown prior to 1937 because of large elements of noncomparability in the earlier statistics of a number of the industries included.

Fabricated metal products. This group includes establishments primarily manufacturing a wide variety of fabricated metal products. Other important segments of the metal fabricating industries are classified in machinery, transportation equipment, instruments and related products, furniture and fixtures, and miscellaneous manufacturing industries.

The industries included here encompass a varied group of finished products (cutlery, hardware, oil burners, plumbing fixtures, metal doors, safes, etc.), materials or components for incorporation into other products (sheet metal work, steel springs, bolts and nuts, etc.), containers (metal cans, metal shipping barrels and drums, and collapsible tubes), and service operations performed on a job or order basis for the trade (for example, galvanizing, coating, and engraving).

Figures are not shown prior to 1937 because they are not sufficiently comparable with those for later years principally owing to the inclusion in earlier years of establishments primarily manufacturing valves and fittings, except plumbers', and the exclusion of establishments primarily manufacturing stamped, pressed, and spun aluminum ware.

Machinery, except electrical. This group includes establishments primarily producing a wide variety of machinery and equipment items. The industries included encompass the whole range of industrial machinery, other than electrical. To a considerable extent, the products fall into the producers' heavy equipment category, are frequently of a complex character, and are produced both to individual order and as standard items. Industries in some of the subgroups are defined in terms of end products, and the parts, attachments, and accessories for these items are included in the industry of the end product unless specifically classified elsewhere in the Standard Industrial Classification. The volume of shipments of machinery parts and accessories in some industries constitutes a significant portion of total shipments. These parts producers are generally smaller establishments but there are a large number of them. The machine shops subgroup includes plants producing a broad variety of miscellaneous parts made by job machine shops.

Plants primarily rebuilding machinery or equipment on a factory basis were formerly included in this group. However, such rebuilding activities are now classified according to the original industry classification of the product being rebuilt. Plants primarily rebuilding automotive parts are included in the transportation equipment group. Plants primarily rebuilding machine tools, metalworking machinery, and office and store machines are included in the industry of the plants producing the original equipment.

Figures are not shown prior to 1937 because they are not sufficiently comparable with those for later years, owing principally to their inclusion of establishments primarily engaged in manufacture of aircraft engines and in machine shop repairs.

Electrical equipment and supplies. This group covers establishments primarily manufacturing machinery, apparatus and supplies for the generation, storage, transmission, transformation, and utilization of electrical energy. Products included consist of equipment and ap-

paratus for industrial or commercial use as well as goods for household consumption—for example, electric lamps, lighting fixtures, wiring devices and supplies, ranges, ovens, water heaters, fans and small electric appliances, household refrigerators and freezers, household laundry equipment, sewing machines, and vacuum cleaners.

A number of products which are sometimes considered "as belonging" in electrical equipment are classified in other groups in the 1957 edition of the SIC Manual in use for 1963. For example, machinery or equipment powered by built-in or detachable electric motors, such as machine tools and other metalworking equipment, commercial laundry and dry cleaning equipment, industrial vacuum cleaners, and office and store machines are classified as machinery, except electrical. Establishments primarily producing glass insulators, glass blanks for bulbs, and porcelain electrical supplies are classified in the stone, clay, glass, and concrete products group.

Industries included here are typically defined in terms of products and may include both electrical and electronic equipment. Electronic components are frequently produced and consumed at the same location by establishments classified in this group. Thus, there are (1) plants solely engaged in producing electronic components, (2) plants producing electronic components and assembling them into finished products, and (3) plants which assemble components produced elsewhere either in other plants of the same company or by other companies. Other types of components and equipment such as motors, generators, and motor-generator sets are not uncommonly produced for incorporation into other products made in the same plant.

Transportation equipment. This group covers establishments primarily manufacturing equipment for transportation of passengers and cargo by land, air, and water. Important products include motor vehicles, aircraft, ships, boats, railroad equipment, and miscellaneous transportation equipment such as motorcycles, bicycles, etc. It also includes, since 1967, guided missile components, not elsewhere classified; and receipts from research and development on aircraft parts, guided missile components, not elsewhere classified, and airplane and missile engines.

Certain products sometimes associated with or considered a part of transportation equipment are classified in other groups in the SIC. For example, wheeltype tractors, tracklaying tractors, mining cars, and industrial trucks, tractors, trailers, and stackers are classified as machinery, except electrical; and ignition systems and storage batteries as electrical equipment and supplies.

Railroad shops are not classified as manufacturing by the SIC and, therefore, such activities are not included in employment and other establishment totals for this group.

Figures are not shown prior to 1937 because they are not sufficiently comparable with later years owing to their exclusion of establishments primarily engaged in manufacture of aircraft engines and of a number of large establishments classified prior to 1937 in other industry groups.

Instruments and related products. This group covers establishments primarily manufacturing mechanical measuring, engineering, laboratory, and scientific research instruments; optical instruments and lenses; surgical, medical, and dental instruments, equipment, and supplies; ophthalmic goods; photographic equipment and supplies; and watches and clocks. Establishments primarily manufacturing instruments for indicating, measuring, and recording electrical quantities and characteristics are classified in electrical equipment and supplies.

During 1958 to 1963, reports received from some large establishments indicated a change from the manufacture primarily of such individual instruments as those used for indicating air speed, rate-of-climb, angle-of-yaw and similar flight characteristics, and gyroscopes which are sold separately, to the manufacture primarily of complete instrumentation systems for navigation, guidance, check-out etc. The major impact of this change has been on the classification of products and, consequently, the SIC coding of these large establishments.

As a result, the annual data for 1958–1962 were revised. Because of the shift in recent years from instruments classified in this group to complete systems classified in the electrical equipment and supplies group, the year-to-year changes are of dubious validity for the industries

considered separately. The two industries taken in combination however, would yield significant measures of activity in the general area.

Miscellaneous manufacturing industries. This group covers establishments primarily manufacturing products not classified in any other group. Industries in this group fall into the following categories: Jewelry, and silverware and plated ware; musical instruments; toys, and sporting and athletic goods; pens, pencils, and other office and artists' materials; buttons, costume novelties, and miscellaneous notions; brooms and brushes; morticians' goods; and other miscellaneous manufacturing industries.

For 1953 and earlier years, data for ordnance and accessories are included with this group. For 1954 and subsequent years data for the ordnance and accessories group are published separately in the source volumes.

Figures are not shown prior to 1947 because they are not sufficiently comparable with those for later years owing to their exclusion of establishments primarily manufacturing rubber dolls, carousels and other amusement park rides, electric vibrators, exercisers and reducers, blasting and detonating caps, safety fuses, and pressed and molded pulp goods; and inclusion of establishments primarily manufacturing cellophane bags, aluminum tags, and hair clippers for human use.

P 68-73. Horsepower of power equipment in manufacturing industries, 1869-1962.

Source: U.S. Bureau of the Census, Census of Manufactures, 1963, vol. I, p. 6-9.

The first census of power equipment available in manufacturing establishments was made by the Bureau of the Census in 1870 covering the year 1869. Because certain industries included in earlier censuses were not covered by the 1939 census, the power equipment statistics from 1899 through 1929 were adjusted in 1939 to provide a comparable series for the 70-year period. The comparability of the 1954 and 1962 statistics with those for 1939 is affected by (a) the exclusion from the 1954 and 1962 inquiry of fractional horsepower motors included in the 1939 totals, and (b) the omission of data for selected industry groups in 1954 included in the 1939 and 1962 totals.

The aggregate horsepower figure, series P 68, represents the unduplicated rating for total installed equipment and thus provides a measure of the mechanical power available in manufacturing establishments. The figure is derived by summing the horsepower rating of prime movers, series P 69, and that for electric motors driven by purchased electricity, series P 71. To secure the latter figure the total horsepower for electric motors was distributed, by establishment, into two categories: Motors driven by purchased electricity and motors driven by energy generated at the establishment. For the relatively small number of establishments which both generate and purchase electricity, the total horsepower for electric motors was prorated on the basis of the ratio of the net quantity purchased to the net total for electricity consumed.

The horsepower ratings for prime movers include information for such types of power equipment as internal combustion engines, steam and hydraulic turbines, and reciprocating steam engines. The totals for prime movers are further separated between those driving electric generators and those used for other purposes. The statistics for prime movers not driving generators exclude data for automobiles, trucks, and other highway equipment.

Respondents were requested to report horsepower of standby equipment as well as equipment in operation at the end of the year, including all prime movers and motors in mobile (except automobiles, trucks, and other highway equipment) as well as in stationary equipment. Information for fractional horsepower motors, however, was not reported for either 1954 or 1962.

Data on aggregate horsepower per 100 (factory) production workers, series P 73, are comparable for all years, except for 1954 and for years prior to 1899. The figures for 1954 exclude data for all establishments in the printing trade services industry, and those in the apparel and other fabricated textile products industry except for miscellaneous ap-

parel. The number of wage earners as published in the census reports prior to 1899 includes those in factory as well as in hand trades and neighborhood industries (carpentry, millinery, painting, etc.) and custom grist milling, custom saw milling, and cotton ginning. Changes in the minimum size limit set for establishments included in the several censuses, or the number of manufacturing establishments requested to report power equipment data are believed to have an insignificant effect on the totals.

P 74-92. Value of manufacturers' shipments, inventories, and orders, 1947-1970.

Source: U.S. Bureau of the Census, Manufacturers' Shipments, Inventories, and Orders: 1947-1963 Revised, 1961-1968, and 1966-1972 Revised, series M 3-1.

Shipments, as used here, represents manufacturers' receipts, billings, or the value of products shipped, less discounts, returns, and allowances, and exclude freight charges and excise taxes. Shipments for export as well as for domestic use are included. Shipments by foreign subsidiaries are excluded, but shipments to a foreign subsidiary by a domestic firm are included. The shipments figures from the Annual Survey of Manufactures to which this series is benchmarked include interplant transfers as well as commercial sales.

Inventory data are book values of stocks on hand at the end of the period, and include materials and supplies, goods in process, and finished goods. Inventories associated with nonmanufacturing activities are excluded from the benchmark. In general, inventories are as valued by the manufacturer.

New orders are net of cancellations received during the period. Unfilled orders at the end of a reporting period are orders that have not passed through the sales account and are equal to unfilled orders at the beginning of the period plus net new orders received during the period less net sales.

The manufacturers' shipments, inventories, and orders survey provides monthly figures that are comparable to the annual totals published each year in the annual survey of manufactures. The sample panel is defined as a probability sample drawn as a subsample of the companies with 100 or more employees in the annual survey of manufactures. The monthly reporting panel consists of approximately 5,000 reporting units and includes virtually all companies with 1,000 or more employees and a sample of the smaller ones.

P 77-86, inventories. Respondents are asked to report inventories of individual establishments at approximate current cost if feasible; otherwise, "at book values." Since different methods of inventory valuation are used, the definition of the aggregate inventories for establishments in an industry is not precise. The figures on the change in inventories from one period to the next are of greater significance than the actual aggregates.

Inventories are reported by stage of fabrication: (a) Finished goods; (b) work in process; and (c) materials, supplies, fuel, and other inventories. In using inventories by stage of fabrication at the all manufacturing level, as well as for the durable and nondurable goods sectors, it should be noted that a finished product of one industry may be a raw material for another industry at the next stage of fabrication.

P 87-92, new orders and unfilled orders. Orders are net of cancellations. They include orders received during the period and also filled during the period as well as orders received for future delivery. They also include the net sales value of contract change documents which increase or decrease the sales value of the unfilled orders to which they relate. Orders include only those supported by binding legal documents such as signed contracts, letters of award, or letters of intent. In case of letters of intent, the full amount of the sales value is included if the parties are in substantial agreement on the amount; otherwise, only the funds specifically authorized to be expended are included.

Unfilled orders include orders as defined above that have not yet passed through the sales account. Generally, unfilled orders at the end

of the reporting period are equal to unfilled orders at the beginning of the period plus net new orders received less net sales.

While both new orders and unfilled orders are used in reviewing individual company reports for consistency, only unfilled orders are estimated directly in the tabulated totals. New orders are derived from the shipments plus net change in unfilled orders for each industry category.

P 93-106. Manufacturing corporations—sales, profits, and stock-holders' equity, 1947-1970.

Source: U.S. Council of Economic Advisers, Economic Report of the President, January 1972, table B-74.

Data are from the U.S. Federal Trade Commission and U.S. Securities and Exchange Commission. The annual figures presented here appear originally in the Federal Trade Commission's Quarterly Financial Report for Manufacturing Corporations for the fourth quarter of the year.

These data are based on uniform, confidential financial statements collected from a probability sample of all enterprises which are required to file Form 1120, U.S. Corporation Income Tax Return, and are classified as manufacturers. Included are domestic corporations organized within the United States, resident foreign corporations incorporated abroad but engaged in trade or business in the United States, associations and joint-stock companies which are taxed as corporations, and small business corporations electing to be taxed through their shareholders. Excluded are inactive corporations with no income or deductions, tax-exempt farmers' cooperatives, tax-exempt nonprofit organizations, and corporations not classified in their tax returns as manufacturers.

The first sample was drawn from Form 1120 for the taxable year 1943. A second sample was drawn for the taxable year 1949. The third sample was drawn for the taxable year 1954 and each taxable year thereafter. Each sample has been supplemented by a quarterly sample of applications for a Federal Social Security Employer's Identification Number filed with the the Social Security Administration.

The first sample was used to provide estimates for each of the quarters in calendar years 1947 to 1951, inclusive; the second sample, from third quarter 1951 to second quarter 1956, inclusive; the third sample, from second quarter 1956 to 1970. To splice the estimates based upon the first and second samples, an overlap was provided for third and fourth quarters 1951; the second and third samples, an overlap was provided for second quarter 1956. Within the third sample, an overlap was provided for each quarter in calendar year 1958 to splice the estimates based upon the 1945 and 1957 editions of the Standard Industrial Classification Manual (SIC).

The classification of a corporation has been determined, in general, on the basis of the consolidated operations of the reporting company (as opposed to the establishment). In the reports for 1947 through 1958, classification was based on the 1945 edition of the SIC manual. Beginning 1959, estimates were based on the classification of corporations within the framework of the 1957 edition. In 1963, the *Enterprise Standard Industrial Classification* (ESIC) was used in the classification of companies. The structure of the 1968 revision of the ESIC follows closely that of the 1967 edition of the SIC.

For further description concerning compilation of these series, see Federal Trade Commission, Quarterly Financial Report for Manufacturing Corporations. Specific information concerning significant changes and revisions is contained in the following issues of the Report: Third quarter 1953, third quarter 1956, first quarter 1959, and first quarter 1965.

P 107-112. Purchases of structures and equipment, in manufacturing industries, 1863-1970.

Source: U.S. Bureau of Economic Analysis, Fixed Nonresidential Business Capital in the United States, 1925-1973, National Technical

Information Service, Springfield, Va., January 1974, pp. 425-427 and 437-439; and unpublished data.

Private purchases of structures and equipment for manufacturing establishments were derived from the estimates of gross private domestic investment in new industrial buildings and producers' durable equipment that are included in the gross national product estimates of the Department of Commerce. The outlays on structures and equipment were adjusted to benchmarks based on expenditures for new plant and equipment in the census of manufactures for 1939, 1947, 1954, 1958, 1963, and 1967, and the annual survey of manufactures for other years beginning with 1950 and ending with 1966. The census controls were extended through 1970 by data from plant and equipment expenditure surveys conducted jointly by the Bureau of Economic Analysis (formerly Office of Business Economics) and the Securities and Exchange Commission.

The purchases of structures and of equipment were converted to constant (1958) cost by the indexes used to deflate the corresponding individual series in the gross national product.

For a more detailed discussion and for tabulations derived from these and related series, see source.

P 113-118. Depreciation (straight-line) on manufacturing structures and equipment, 1925-1970.

Source: See source for series P 107-112, pp. 7-9 and 50.

Information on the service lives of capital assets is deficient. Not enough is known either about the average service lives of the producers' durable equipment and structures that make up the stock of fixed capital, or about how the service lives of individual items depart from average. Differences in the basic physical characteristics of capital assets, variations among the practices of their owners with respect to use and retirement, technological changes and changes in demand, all make for a large dispersion of service lives and help to explain the dearth of information about them. The useful life information was drawn largely from Income Tax, Depreciation and Obsolescence, Estimated Useful Lives, and Depreciation Rates, Bulletin F, Internal Revenue Service. The actual service lives used were 85 percent of Bulletin F for equipment, and 68 percent of Bulletin F for structures. (See pages T-4 and T-5 of source for reasons behind the use of shorter service lives.)

Average service lives were estimated for each of the 20 types of equipment and 10 types of structures which are detailed in the GNP gross investment series with which the calculation starts. Average life for each type of nonfarm equipment was derived by assigning service lives as shown in Bulletin F to each of the equipment items of that type and deriving an average for the type for each year based on weights reflecting shipments of each item as shown in the censuses and annual surveys of manufactures. Altogether, Bulletin F service lives for about 180 items of equipment were used in obtaining averages for the 20 types. Average lives for farm equipment were derived from several unpublished Department of Agriculture studies.

Depreciation at constant cost has been estimated by applying information on the length of useful lives to the constant dollar purchases of structures and equipment.

Underlying the average service life of a given type of asset is a distribution of discards. For example, trucks have an average service life of 10 years, but some trucks are wrecked after a few months and others are used for 15 or 20 years. To take into account that similar assets are discarded at different ages, a pattern labeled the Winfrey S-3 distribution was introduced. It is a minor modification of the original Winfrey S-3 curve. (See Robley Winfrey, Statistical Analysis of Industrial Property Retirement, Iowa Engineering Experiment Station Bulletin 125, Dec. 11, 1935.) The new pattern is a bell-shaped distribution whose mean is the average service life of the asset in question, with discards starting at 45 percent of the average life and continuing until 155 percent of the average life has been attained. In the absence of sufficient information to support any alternative course,

that service life distribution was applied uniformly to all the gross investment series to derive the gross capital stocks and related estimates

P 119-122. Real net value of assets in manufacturing industries, in 1958 dollars, 1925-1970.

Source: See source for series P 107-112, pp. T-25, 286, 287, and 397.

Estimates are for privately owned structures and equipment assets in manufacturing establishments (in contrast to the firm), and represent the undepreciated value remaining in past acquisitions including the purchases of Government surplus assets at original acquisition prices. The latter were derived from the estimates of gross private domestic investment in newly constructed nonresidential structures and producers' durable equipment that are included in the gross national product estimates of the Department of Commerce. The outlays on structures were adjusted to benchmarks, based mainly on expenditures for new plant construction by establishments included in the census of manufactures. Data on gross investment by manufacturing establishments from censuses and annual surveys of manufactures were used as industry totals. The asset detail was developed on the basis of unpublished Internal Revenue Service studies on lives of depreciable assets and several specialized industry studies which provided detailed information on the composition of assets in manufacturing. Purchases of equipment were converted to constant (1958) cost by the indexes used to deflate the corresponding component of the gross national product. Purchases of structures were deflated by constant cost 2, which is a closer approximation to a price index than is constant cost 1. For the composition of these costs, see table 4, pp. T-17 to T-19 of source.

Depreciation was allocated over the useful life by the double-declining balance method, under which twice the straight-line rate of depreciation is charged in the first year, and the same percentage rate is applied in successive years to the remaining value of the asset. (See page T-12 of source.)

For a discussion of the data and methodology of estimation of Government-owned, privately operated assets for each of the four major owning agencies—Department of Defense, Atomic Energy Commission, Maritime Administration, and National Aeronautics and Space Administration—see pages T-22 and T-23 of source.

P 123-176. Capital in manufacturing industries, in book value and in 1929 dollars (Creamer), 1879-1957.

Source: 1879–1937, Daniel Creamer, Sergei Dobrovolsky, and Israel Borenstein, Capital in Manufacturing and Mining: Its Formation and Financing, Princeton University Press, 1960, Appendix A, tables 8 and 9; 1948–1957, Daniel Creamer, Capital Expansion and Capacity in Postwar Manufacturing, National Industrial Conference Board, Inc., New York, Studies in Business Economics, No. Seventy-Two, 1961, Appendix G, tables G-1 and G-2. (Copyright.)

Estimates for 1879–1919 are based on data in various reports of the census of manufactures. For 1929–1957, the estimates are based on balance sheet data of corporations (raised to the level of all firms) published by the Internal Revenue Service (formerly Bureau of Internal Revenue) in *Statistics of Income*. Fixed capital includes land, buildings, and equipment (all net of depreciation). Working capital includes all other assets, other than investments in securities (chiefly cash, accounts and notes receivable, and inventories). Structures and equipment owned by the Federal Government but operated by private firms are excluded in all years. For a detailed description of data, adjustments and limitations, see Appendix A, section A, of the first source.

Figures in 1929 dollars were derived by dividing the estimates of capital in book values, by price indexes of book values expressed in 1929 prices. The latter are the implicit indexes derived by dividing the sum of the reported book values of the 15 major industry groups

comprising all manufactures by the sum of the book values expressed in 1929 prices of the 15 major groups.

The general procedure for deflating capital is to derive a composite index of prices underlying book values of buildings, machinery and equipment, and working capital for each of the 15 major industrial groups shown here. A construction cost index weighted by volume of construction depreciated over 50 years is used to represent the changes in the book value of land and buildings. This component of the composite index is identical for all 15 groups. For machinery and equipment, a price index of general machinery and equipment is used for all 15 groups, but in each group the index is weighted by volume of machinery and equipment produced, depreciated according to length of life typical for a given industry as reported by the Internal Revenue Service in Income Tax, Depreciation and Obsolescence, Estimated Useful Lives, and Depreciation Rates, Bulletin F. Because of these changing industry weights, a different deflator for machinery and equipment is obtained for each major group. The wholesale price index of the output of a given major industry is used to deflate working capital.

For derivation of the deflators for each of the 15 major groups, see Appendix A, section B, of the first source.

P 177-196. Share of total value added by manufacture accounted for by the 200 largest manufacturing companies, and by the 50 and 100 largest identical manufacturing companies, 1947-1970.

Source: U.S. Bureau of the Census. 1947-1967, 1967 Census of Manufactures, vol. I, p. 9-6; 1970, Annual Survey of Manufactures, Value of Shipment Concentration Ratios, M70 (AS)-9.

Data for 1962 and 1966 are based on the annual survey of manufactures; other years on the census of manufactures.

These data reflect the activity of the largest companies in the industrial sector as a whole. A company is defined as the total of its industrial establishments, including not only its manufacturing plants but also auxiliary establishments such as warehouses and central administrative offices. Value added for all manufacturing establishments of a given company was aggregated irrespective of the industry classification of the individual establishments. The companies were then arrayed by magnitude of value added in each specified year and totals were computed for the 50, 100, 150, and 200 largest companies.

The rankings in 1947 and 1954 were based on unadjusted value added; those for later years on adjusted value added. See text for series P 10.

For series P 177-180, companies were classified in size groups in each particular year based on their size in that year. The largest companies are those which were the largest in each of the specified years. Thus, a size group, such as the top four, does not necessarily include the same companies from year to year.

For series P 181-196, the 100 largest companies in each year specified in the stub of the table were selected and their proportion of total value added by manufacture in each of the years shown in the column headings was computed. These data thus measure the changes in concentration ratios for a fixed group of companies from one year to another. In case of mergers, the larger of the two at the time of merger was considered to be the predecessor company.

P 197-204. Concentration in manufacturing, by industry group, 1901, 1947, and 1954.

Source: Series P 197, G. Warren Nutter, The Extent of Enterprise Monopoly in the United States, tables 10 and 39, copyright 1951 by The University of Chicago. Series P 198, M. A. Adelman, "The Measurement of Industrial Concentration," Review of Economics and Statistics, vol. 33, November 1951, table 14 (copyright, Harvard College; based on Hearings Before the Subcommittee on Study of Monopoly Power, House of Representatives, 81st Congress, 1st session, Serial No. 14, part 2-B, pp. 1436-1456). Series P 199-200 are tabulations prepared by the Bureau of the Census from data reported in the census of manufactures. Series P 201-204, Irving Rottenberg, "New Statistics

on Companies and on Concentration in Manufacturing From the 1954 Census," Proceedings of the American Statistical Association, 1957, table 5 (copyright).

The basic source of most of the data in all columns is the census of manufactures. The concentration ratio is defined as the percent of total industry sales (or, occasionally, value added) made by the four largest sellers.

The entries for series P 197-198 represent the value added by manufacture in 4-digit SIC industries (see general note for series P 1-374) with concentration ratios of 50 or higher, as a percentage of value added by all 4-digit industries included in each 2-digit industry group (e.g., "food and kindred products" is a 2-digit group containing "meatpacking plants" and 2 other 4-digit meat industries, "creamery butter" and 5 other 4-digit dairy industries, etc.).

The figures for series P 199–204 are average concentration ratios for each 2-digit industry group, i.e., the concentration ratio of each 4-digit industry is weighted in proportion to its employment or value added, as indicated, as a proportion of total employment or total value added by the whole 2-digit group.

Series P 199-200 include all industries for the given year—452 in 1947, and 434 in 1954. Because of changes in 4-digit industry definitions, concentration ratios are not fully comparable. Series P 201-204 are based on 375 comparable industries accounting for 85 percent of all value added by manufacture in 1947, and for 82 percent in 1954.

The first total line is a set of weighted averages based on value-added weights derived from the basic data for the respective years shown. Figures on the second total line (for series P 201-204) are averages of the concentration ratios shown for the 20 industry groups.

Where the change in concentration, 1947–1954, as shown in series P 199–200, is substantially different from that shown in series P 201–204, the difference is due to industry redefinition and to inclusion or exclusion of industries from the census of manufactures. A striking example is in group 39, "miscellaneous manufactures" from which major group 19, "ordnance and accessories," was omitted for national security reasons.

P 205-211. Selected statistics for operating manufacturing establishments, by legal form of organization, 1939-1967.

Source: U.S. Bureau of the Census, 1939, Sixteenth Census of the United States: 1940, Census of Manufactures, 1939, vol. I, p. 230; 1947-1967, 1967 Census of Manufactures, vol. I, p. 3-4.

Each establishment included in the censuses of manufactures was classified into one of the following legal forms of organization:

Corporate—an establishment (other than a cooperative) owned by an organization or company legally incorporated under State laws

Noncorporate—individual proprietorships, partnerships, cooperatives, establishments operated by estate administrators, trust-eeships, receiverships, public and quasi-public organizations, and, in addition, misassignments of small establishments that were not corrected because they were not statistically significant.

Individual proprietorship—an establishment owned by one person, who may or may not actively participate in the operation of the business.

Partnership—an establishment owned by two or more persons, each of whom has a financial interest in and responsibility for the business. A partner may or may not actively participate in the operation of the business.

See also text for series P 1-12.

P 212-215. Percent distribution of production workers and of value added in manufacturing establishments, by legal form of ownership, 1899-1967.

Source: U.S. Bureau of the Census. 1899, Census of Manufactures: 1905, part I, p. liv; 1904 and 1909, Thirteenth Census of the United

States, 1910, Manufactures: 1909, vol. VIII, p. 135; 1914 and 1919, Fourteenth Census of the United States, 1920, Manufactures: 1919, vol. VIII, p. 108; 1929, Fifteenth Census of the United States, 1930, Manufactures: 1929, vol. I, p. 95; 1939, Sixteenth Census of the United States, 1940, Manufactures: 1939, vol. I, p. 229; 1947–1967, U.S. Census of Manufactures, 1967, vol. I.

Percentages were computed from figures published in the various Bureau of the Census reports cited as sources.

See also data and text for series P 205-211.

P 216-226. Consumption of energy materials, 1899-1967.

Source: U.S. Bureau of the Census. Thirteenth Census of the United States: 1910, vol. X, p. 662; Census of Manufactures: 1963, vol. I, pp. 7-90 and 7-91; and Census of Manufactures: 1967, Special Report MC67(S)-4, Fuels and Electric Energy Consumed, pp. 8-9.

Data for fuels consumed for heat and power were converted to kilowatt-hour equivalents, the international unit of energy, and then added to the quantity of purchased electric energy. The conversion factors used for each fuel are shown in the source reports. For fuels, quantities include both fuels purchased for use as fuel and fuels made and used in the same establishment.

P 227. Coffee imported, 1860-1970.

Source: 1860-1914, see source for series P 17, pp. 8-9 and 143-144; 1915-1929, see Arthur F. Burns, pp. 292-293, cited as source for series P 231; 1930-1947, U.S. Bureau of the Census, Foreign Commerce and Navigation of the United States; 1948-1962, same agency, Quarterly Summary of Foreign Commerce of the United States, for those years; 1963-1970, same agency, U.S. Imports of Merchandise for Consumption, Reports FT 110, FT 125, and FT 135, calendar year issues.

The data for 1860–1933 are described as net imports (general imports) minus foreign exports; for 1934–1970, they are described as imports for consumption minus foreign exports. However, on duty-free commodities, like coffee, general imports equal imports for consumption. Data cover U.S. customs area, which includes Alaska, Hawaii, and Puerto Rico.

P 228. Raw cotton used in textiles, 1860-1970.

Source: U.S. Bureau of the Census. 1860-1909, Bulletin 160, Cotton Production and Distribution, 1926, p. 49; 1910-1945, Bulletin 183, Cotton Production and Distribution, 1946, pp. 26-31; 1946-1962, Cotton Production and Distribution, annual reports; 1963-1970, Current Industrial Reports, series M22P, Cotton, Man-Made Fiber Staple, and Linters, Summary for Cotton Season, various annual issues.

Data are for years ending August 31 through 1910, July 31 thereafter. Figures are in running bales, except that for 1860–1870, they are in equivalent 500-pound bales. Data exclude linters for 1860–1908 and include them thereafter.

P 229. Wool used in textiles, 1918-1970.

Source: U.S. Bureau of the Census. 1922-1957, Facts for Industry, Wool Consumption and Stocks, monthly issues. (Title may vary for this report.) 1958-1970, Current Industrial Reports, series M 220, Consumption on the Woolen and Worsted Systems, monthly issues

Figures relate to scoured wool plus greasy wool reduced to a scoured basis, assuming average yields varying with class, origin, grade, and whether shorn or pulled. For 1946–1970, they include raw wool consumed in woolen and worsted systems only.

For a series on apparent consumption of all wool, 1870-1929, see Arthur F. Burns, pp. 296-297, cited as source for series P 231.

P 230. Unmanufactured silk imports for consumption, 1883-1970.

Source: 1883-1929, see Arthur F. Burns, pp. 294-295, cited as source for series P 231; 1930-1931, U.S. Bureau of Foreign and Domes-

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tic Commerce, Foreign Commerce and Navigation of the U.S., vol. I, for respective years; 1932, U.S. Bureau of the Census, Statistical Abstract of the United States, 1940, p. 732; 1933–1949, Statistical Abstract, 1950, p. 638; 1950–1955, Textile Economics Bureau, Inc., New York, Textile Organon, vol. XXXVII, No. 3, March 1966; 1955–1970, Textile Organon, March 1971.

Figures are derived by subtracting foreign exports from general imports of all types of unmanufactured silk. Spun silk is not included.

For a series on raw silk imports (excluding silk from cocoons and waste) for 1860-1914, see source for series P 17, pp. 8-9 and 153-155; and for 1870-1929, see Arthur F. Burns, cited above.

P 231. Wheat flour produced, 1860-1970.

Source: 1860-1914, see source for series P 17, pp. 8-9 and 135-139; 1915-1929, Arthur F. Burns, Production Trends in the United States Since 1870, National Bureau of Economic Research, New York, 1934, pp. 299 and 339 (copyright); 1931 and 1933, Solomon Fabricant, The Output of Manufacturing Industries, 1899-1937, National Bureau of Economic Research, New York, 1940, p. 395 (copyright; data from census of manufactures); 1935-1970, U.S. Dept. of Agriculture, Economic Research Service, Agricultural Economic Report No. 138, Food Consumption, Prices, and Expenditures, and Supplement for 1970.

Reported data in hundredweights were converted to barrels containing 196 pounds of flour. These estimates are based on commercial production of wheat flour reported by the Bureau of the Census. They include flour milled in bond from foreign wheat plus the estimated flour equivalent of farm wheat ground for flour or exchanged for flour for farm household use.

P 232. Refined sugar produced, 1860-1970.

Source: 1860-1914, see source for series P 17, pp. 8-9 and 139-143; 1919-1933, see Solomon Fabricant, pp. 382 and 387, cited as source for series P 231; 1934-1945, U.S. Department of Agriculture, Agricultural Statistics, 1952, p. 111; 1946-1960, Agricultural Statistics, 1967, p. 83; 1961-1970, Agricultural Statistics, 1971, p. 88.

Figures represent production in cane-sugar refineries and in beetsugar factories.

P 233. Canned corn produced, 1885-1970.

Source: 1885-1908, see Arthur F. Burns, pp. 300-301 and 341, cited as source for series P 231; 1909-1970, National Canners Association, Canned Food Pack Statistics, 1971-72.

A case consists of 24 No. 2 cans.

P 234. Canned tomatoes produced, 1885-1970.

Source: 1885-1898, 1900-1903, and 1905-1907, see Arthur F. Burns, pp. 300-301 and 341, cited as source for series P 231. National Canners Association, 1899 and 1904, Canned Food Pack Statistics, 1969-70; 1908-1970, Canned Food Pack Statistics, 1971-72.

A case consists of 24 No. 2 cans. The figures for 1885-1907 were published in the unit case of 24 No. 3 cans. They have been converted to a unit case of 24 No. 2 cans by multiplying by 1.707. The conversion factor is taken from National Canners Association, Washington, D.C., Canned Food Pack Statistics: 1940, part 1—Vegetables, March 1941, p. 19.

Except for some of the early historical data which came from reports of the Bureau of the Census, the data have been compiled by the National Canners Association with the cooperation of State, regional, and commodity associations.

P 235. Beer produced, 1870-1970.

Source: 1870-1929, see Arthur F. Burns, pp. 292-293, cited as source for series P 231. U.S. Internal Revenue Service (formerly

Bureau of Internal Revenue), 1930-1932, unpublished data; 1933, Annual Report of the Commissioner of Internal Revenue, 1936; 1934-1970, U.S. Bureau of Alcohol, Tobacco and Firearms, Alcohol, Tobacco and Firearms, Summary Statistics, 1973, p. 41.

The unit "barrel" contains 31 wine gallons. For 1921-1933, only cereal beverages were permitted to be produced.

P 236-236a. Distilled spirits produced, 1870-1970.

Source: 1870-1929, see Arthur F. Burns, pp. 292-293, cited as source for series P 231. U.S. Internal Revenue Service (formerly Bureau of Internal Revenue), 1930-1933, Annual Report of the Commissioner of Internal Revenue, annual issues. 1934-1970, see source for series P 235, p. 20.

The computation of taxable gallons excludes all fractional parts of a proof gallon less than one-tenth. Figures are for years ending June 30 and include data for Hawaii; beginning 1928, they also include data for Puerto Rico. Series P 236 includes industrial alcohol for all years. Series P 236a was derived by subtracting figures for industrial alcohol (i.e., tax-free withdrawals) from total distilled spirits production.

P 237-238. Fats and oils produced, 1922-1970.

Source: U.S. Bureau of the Census. 1922-1940, Animal and Vegetable Fats and Oils, annual issues; 1941-1970, Current Industrial Reports, series M20J and M20K, Fats and Oils, 1970 and earlier years, summary issues (prior to 1958, series M 17-1, M 17-2, and M 28).

P 239. Manufactured tobacco and snuff products, 1870-1970.

Source: 1870-1879, see source for series P 17, pp. 14-15 and 192-193; 1880-1929, see Arthur F. Burns, pp. 296-297, cited as source for series P 231; 1930-1970, U.S. Department of Agriculture, Agricultural Statistics, 1952, 1957, 1962, 1967, and 1971 editions.

Primary source of the figures is the Annual Report of the Commissioner of Internal Revenue.

P 240. Cigars, 1870-1970.

Source: 1870-1879, see source for series P 17, pp. 14-15 and 189-191; 1880-1929, see Arthur F. Burns, pp. 298-299, cited as source for series P 231. U.S. Internal Revenue Service (formerly Bureau of Internal Revenue), 1930-1939 and 1941-1949, Annual Report of the Commissioner of Internal Revenue, various issues; 1940 and 1950-1970, Alcohol and Tobacco Summary Statistics, annual issues.

For 1870-1949, figures exclude cigars weighing not more than 3 pounds per 1,000.

P 241. Cigarettes, 1870-1970.

Source: 1870-1879, see source for series P 17, pp. 14-15 and 192; 1880-1929, see Arthur F. Burns, pp. 298-299, cited as source for series P 231; 1930-1970, see source for series P 240.

Figures represent large and small cigarettes and small cigars for 1870–1949, excluding those manufactured in bonded manufacturing warehouses. For 1954–1970, small cigars are excluded.

P 242-243. Apparel products, 1927-1970.

Source: U.S. Bureau of the Census, Current Industrial Reports, series MA23A, Annual Apparel Survey, 1970 and earlier years, summary issues.

Men's and boys' suits and separate coats represent (1) men's suits, excluding ski, slack, snow, and uniform, (2) men's tailored dress and sport coats and jackets, excluding uniform, (3) boys' tailored dress and sport coats, and (4) boys' suits, including students', cadets', and junior boys'.

Women's, misses', and juniors' dresses include both dresses sold at a unit price and those sold at a dozen-price.

P 244. Rayon and acetate yarns available, 1911-1970.

Source: 1911-1939, Textile Economics Bureau, Inc., New York, Textile Organon—Base Book of Textile Statistics, vol. XXXIII, No. 1, January 1962; 1940-1955, Textile Organon, January-February, 1971; 1956-1970, Textile Organon, March 1971. (Copyright.)

Figures represent producers' domestic shipments plus imports of yarn and exclude staple, tow, waste, and other rayon and acetate products. Data for rayon relate to manmade fibers produced by the viscose, cuprammonium, and nitrocellulosic (discontinued after 1934) processes. Rayon horsehair and straw are included in the filament yarn figures for 1952–1970 (for 1940–51, production of these items averaged just under 1 million pounds per year). Acetate means manmade fibers composed of cellulose acetate and triacetate.

For 1941-1970, figures for rayon and acetate are as actually reported by the entire industry; earlier data are estimated totals based on reports obtained from 86 percent or more of the industry, with adjustments for complete coverage in accordance with information from the census of manufactures.

P 245. Non-cellulosic yarn available, 1940-1970.

Source: See source for series P 244, 1940-1970.

Data include producers' domestic shipments plus imports of yarn and exclude staple and tow.

P 246. Finished knit cloth shipped, 1933-1970.

Source: U.S. Bureau of the Census, Current Industrial Reports. 1933-1946, series M67C, Underwear and Allied Products: Underwear, Knit Cloth, and Knit Fabric Gloves; and Underwear and Knit Cloth for Sale; 1947-1965, series M22K, Knit Cloth for Sale; 1966-1970, series MQ22K, Shipments of Knit Cloth, summary issues.

P 247. Carpets and rugs shipped, 1899-1970.

Source: U.S. Bureau of the Census. 1899-1947, Census of Manufactures reports; 1954-1970, Current Industrial Reports, series M22L and MQ22K, Carpets and Rugs, summary issues.

P 248-250. Sodium hydroxide and ammonia produced, 1899-1970.

Source: U.S. Bureau of the Census. 1899-1939, Census of Manufactures reports; thereafter, Current Industrial Reports, series M28A, Inorganic Chemicals, summary issues.

P 251. Sulfuric acid produced, 1899-1970.

Source: U.S. Bureau of the Census. 1899-1927, unpublished data; 1929-1970, Current Industrial Reports, series M28A, *Inorganic Chemicals*, summary issues.

Figures are combined totals for sulfuric acid produced by the contact and chamber processes, including spent acid fortified in the contact plants with the simultaneous production of new acid. Production of Government-owned plants, which was large during the war period, is not included for that period; for the most part, this production was available only for military use. However, for 1954-1970, appreciable amounts of sulfuric acid produced in Governmentowned privately operated plants are included. Figures for 1946-1950 include estimates based on annual totals of byproduct operations of a few smelters reporting to the Bureau of Mines; the estimated data included vary from 4 percent in 1946 to 2 percent in 1950. For 1899-1939, figures are based on reports of the Census of Manufactures; they are shown in those reports on a 50° Baume basis but are here converted to 100 percent H₂SO₄. Beginning January 1948, figures are not strictly comparable with earlier data because of the inclusion of additional plants; however, the addition of these plants increased the production of the specified chemical by less than 3.5 percent.

P 252. Paints, varnishes, and lacquers produced, 1899-1970.

Source: U.S. Bureau of the Census. 1899-1947, Census of Manufactures, reports for various census years; 1953-1970, Current Industrial Reports, series M28F, Paint, Varnish, and Lacquer, summary issues.

P 253. Superphosphates produced, 1860-1970.

Source: 1860-1954, U.S. Department of Agriculture, Statistics on Fertilizers and Liming Materials in the United States, Statistical Bulletin No. 191, p. 43, April 1957; 1955-1957, U.S. Bureau of the Census, Facts for Industry, series M19D-06 and M19D-08; 1958-1970, Current Industrial Reports, series M28B, Inorganic Fertilizer Materials and Related Acids, summary issues.

P 254. Light products of distillation, 1918-1970.

Source: U.S. Bureau of Mines, Mineral Industry Surveys, "Petroleum Statements," annual issues.

These figures relate essentially to the production of gasoline and naphtha. Figures for 1918–1927, 1929–1956, and 1962–1963 are not strictly comparable. The figure for 1929 on a basis comparable with preceding years is 438 million barrels. For 1953–1970, figures for jet fuel are excluded.

P 255. Illuminating oils (kerosene) produced, 1916-1970.

Source: U.S. Bureau of Mines, Mineral Industry Surveys, "Petroleum Statements," annual issues.

Figures for 1916-1927, 1929-1956, and 1962-1963 are not strictly comparable. The figure for 1929 comparable with the preceding years is 55.7 million barrels. For 1953-1959, figures exclude jet fuel. Beginning 1960, data include jet fuel used in commercial aircraft; beginning 1965, they include kerosene-type jet fuels.

P 256. Fuel oils produced, 1916-1970.

Source: See source for series P 255.

Figures for 1916-1927, 1929-1956, and 1962-1963 are not strictly comparable. The figure for 1929 comparable with the preceding years is 390 million barrels. For 1953-1970, jet fuels are excluded.

P 257. Lubricating oils produced, 1916-1970.

Source: See source for series P 255.

Figures for 1916-1927 and 1929-1956 are not strictly comparable. The figure for 1929 comparable with preceding years is 37 million barrels.

P 258. Paraffin wax produced, 1916-1970.

Source: See source for series P 255.

For 1929-1956, figures are labeled petroleum wax. The basic source of these data is the Bureau of Mines, Minerals Yearbook.

P 259. Pneumatic motor vehicle tires produced, 1914-1967.

Source: U.S. Bureau of the Census, Census of Manufactures, reports for various census years.

P 260-261. Men's and women's shoes produced, 1899-1970.

Source: 1899-1919, see Solomon Fabricant, cited as source for series P 231; U.S. Bureau of the Census, 1921-1946, Statistical Abstract of the United States, various editions, 1929-1947; 1947-1954, unpublished data; 1955-1970, Current Industrial Reports, series M31A, Shoes and Slippers, summary issues.

Figures represent pairs of leather uppers for men's and women's shoes. They do not include youths' and boys', misses', children's,

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infants', athletic, part leather, or nonleather shoes. For 1930-1970, figures for men's shoes are not strictly comparable with earlier years because large quantities of heavy footwear included with men's shoes for later years were included with athletic shoes for earlier years.

P 262. Rails produced, 1860-1970.

Source: 1860–1872, see source for series P 17; 1873–1970, American Iron and Steel Institute, *Annual Statistical Report*, various issues, 1965–1970 (copyright); and unpublished data.

Figures include both iron and steel rails, rerolled rails, and girder and high T rails. Rails are a component of "hot rolled iron and steel," series P 270. For 1860–1867, figures include production of iron rails only.

P 263. Structural iron and steel shapes produced, 1879-1970.

Source: 1879–1889, see source for series P 17; 1892–1970, American Iron and Steel Institute, *Annual Statistical Report*, various issues (copyright), and unpublished data.

Structural shapes are a component of "hot rolled iron and steel," series P 270.

P 264. Common and face brick produced, 1869-1970.

Source: 1869–1899 (decennially), 1904, 1909, 1914, 1919–1939 (biennially), 1947, 1954, 1958, 1963, and 1967, U.S. Bureau of the Census, Census of Manufactures, reports for various years; 1895–1912, U.S. Geological Survey, Mineral Resources of the United States, various issues; 1913–1959, U.S. Bureau of the Census, Facts for Industry, Clay Construction Products, summary issues; 1960–1970, Current Industrial Reports, series M320, Clay Construction Products, summary issues.

The figures for 1869 and 1879 are for common brick only. For 1889, 1899, and 1904, the production of "fancy or ornamental brick" has been added to the production of "face brick," the reason being that "the best grade of 'face' or 'front' brick appears to have been classified as 'fancy or ornamental' brick" in these years. Beginning 1943, common and face brick are classified as "unglazed" brick.

P 265-269. Raw steel produced, 1860-1970.

Source: American Iron and Steel Institute, Annual Statistical Report, various issues (copyright).

For 1934-1970, figures include only that part of steel castings made in foundries producing steel ingots.

P 270. Hot rolled iron and steel produced, 1864-1970.

Source: American Iron and Steel Institute, Annual Statistical Report, various issues, 1965–1970 (copyright), and unpublished data.

Figures include rails, plates and sheets, merchant bar and skelp production, wire rods, and structural shapes.

P 271. Copper and copper base alloy, rolled, drawn, and extruded products shipped, 1925-1970.

Source: U.S. Bureau of the Census. 1925-1947, see source for series P 259; 1952-1970, Current Industrial Reports, series BDSAF-84, Shipments of Copper-Base Mill and Foundry Products, summary issues.

P 272-274. Fabricated metal products, 1941-1970.

Source: U.S. Bureau of the Census, Current Industrial Reports, series M34D, Metal Cans, and series M34N, Heating and Cooking Equipment (Except Electric), summary issues.

Warm air-furnaces, P 273, include oil- and gas-fired furnaces sold as component parts of "year-round air-conditioning units."

P 275-276. Gasoline and diesel engines produced, 1947-1970.

Source: U.S. Bureau of the Census, Current Industrial Reports, series MA35L, Internal Combustion Engines, summary issues.

Production data exclude engines for outboard, automotive, and aircraft purposes.

P 277. Wheel tractors, complete, produced, 1922-1970.

Source: U.S. Bureau of the Census, Current Industrial Reports, series M35S, Tractors (Except Garden Tractors), summary issues.

P 278. Metal cutting machines shipped, 1947-1970.

Source: U.S. Bureau of the Census, Current Industrial Reports, series M35W, Metalworking Machinery, summary issues.

P 279. Typewriters shipped, 1900-1970.

Source: U.S. Bureau of the Census, Current Industrial Reports, series M35C, Typewriters, summary issues.

Except as indicated in footnotes, standard electric and manual and portable models are included.

P 280. Room air-conditioners shipped, 1945-1970.

Source: U.S. Bureau of the Census, Current Industrial Reports, series M35M, Air-Conditioning and Refrigeration Equipment, summary issues.

P 281-282. Fractional horsepower motors and integral horsepower motors and generators shipped, 1914-1970.

Source: U.S. Bureau of the Census. 1914-1958, see source for series P 259; thereafter, Current Industrial Reports, series M36H, *Motors and Generators*, summary issues.

P 283-285. Domestic ranges, electric, shipped; household refrigerators produced; and household washing machines, mechanical, shipped, 1921-1967.

Source: Series P 284, 1921-1937, see Solomon Fabricant, p. 585, cited as source for series P 231; all other data, see source for series P 259.

P 286-287. Electric lamps produced, 1899-1970.

Source: U.S. Bureau of the Census. 1899-1939, see source for series P 259; thereafter, Current Industrial Reports, series M36B and M36D, *Electric Lamps*.

P 288-290. Home-type radio receivers, home-type radio-phonograph combinations, and phonographs shipped, 1899-1970.

Source: U.S. Bureau of the Census. 1899-1939, see source for series P 259; thereafter, Current Industrial Reports, series MA36M, Home-Type Radio Receivers and Television Sets, Automobile Radios, Phonographs, and Record Player Attachments.

Home-type radio receivers and radio-phonograph combinations for 1923-1939 include automobile sets.

P 291. Trailer coaches, housing type, shipped, 1937-1967.

Source: See source for series P 259.

P 292. Truck trailers shipped, 1935-1970.

Source: U.S. Bureau of the Census. 1935–1939, see source for series P 259; thereafter, Current Industrial Reports, series M37L, *Truck Trailers*, summary issues.

P 293. Locomotives produced, 1880-1967.

Source: 1880-1929, see Arthur F. Burns, pp. 300-301, cited as source for series P 231; 1930-1945, American Railway Car Institute, Railway Age, Annual Statistical and Outlook Number, January 6, 1945, p. 91, and Annual Statistical and Outlook Number, January 5, 1946, p. 88 (copyright); 1947-1967, see source for series P 259.

For 1905-1945, Canadian output is included although the U.S. output is shown separately beginning with 1929 (see, for example, Railway Age, Annual Statistical Number, January 4, 1947). For 1880-1911, locomotives built in railroad repair shops are excluded. For 1942-1944, figures exclude locomotives built for U.S. Government and for lend-lease program.

This series was discontinued when the new traction power was supplied almost exclusively by diesel units. A locomotive may be composed of one or more diesel units.

Data for 1947-1967, which are from the census of manufactures, represent shipments.

P 294. Railroad passenger cars produced, 1871-1967.

Source: 1871-1914, see source for series P 17, pp. 14-15 and 196-197; 1915-1957, see source for series P 295; 1958-1967, see source for series P 259.

For 1871-1919, figures represent domestic production of passenger cars, exclusive of that in railroad repair shops; thereafter, figures include production in railroad repair shops. For 1920-1957, figures represent "passenger train cars delivered."

Data for 1958-1967, which are from the census of manufactures, represent shipments.

P 295. Railroad freight cars produced, 1871-1967.

Source: 1871-1914, see source for series P 17, pp. 14-15 and 193-196; 1915-1919, American Railway Car Institute, Railway Age, Annual Statistical and Outlook Number, January 7, 1939, p. 83; 1920-1957, Railway Age, Annual Statistical and Outlook Number (most recently entitled Review and Outlook), various issues, 1950-1958 (copyright); 1958-1967, see source for series P 259.

For 1871-1919, figures represent domestic production of freight cars, exclusive of that in railroad repair shops; thereafter, figures include production in railroad repair shops. For 1920-1957, figures represent "freight cars delivered."

Data for 1958-1967, which are from the census of manufactures, represent shipments.

P 296-297. Horse-drawn vehicles produced, 1899-1967.

Source: 1899-1937, see Solomon Fabricant, p. 585, cited as source for series P 231; 1939-1967, see source for series P 259.

For 1899-1914, figures for farm wagons, trucks, and business vehicles include patrol wagons, ambulances, handcarts, and push-carts; for 1919-1925, they exclude mail carrier wagons and public conveyances and relate to products made within the industry (as classified by the Bureau of the Census); for 1927-1967, figures relate to all products made regardless of the industry classification of the establishment.

For 1899-1925, figures for carriages, buggies, and sulkies exclude sulkies; for 1933, include two-wheeled carts.

P 298. Bicycles produced, 1899-1967.

Source: 1899-1937, see Solomon Fabricant, p. 590, cited as source for series P 231; 1939-1967, see source for series P 259.

For 1899-1921, figures relate to products made within the industry (as classified by the Bureau of the Census); for 1923-1967, figures relate to all products made regardless of the industry classification of the establishment.

P 299-300. Pianos and organs produced, 1899-1967.

Source: 1899-1937, see Solomon Fabricant, pp. 597 and 598, cited as source for series P 231; 1939-1967, see source for series P 259.

For organs, series P 300, the data represent reed organs for 1899–1935, electronic organs thereafter.

P 301-317. General note.

Capacity is rarely calculated on the basis of full-time operation of an industry (i.e., 365 days a year, 24 hours a day), but at varying criteria short of that. Capacity as of January 1 is generally used as the basis of computation. Exceptions to these general rules are noted in the text for each series, where applicable.

P 301. Blast furnaces (pig iron), 1898-1960.

Source: American Iron and Steel Institute, Annual Directory and Annual Statistical Report, New York, various issues (copyright).

Figures include a 6.1 percent deduction from full-time operation to allow for rebuilding, relining, and repairing the equipment. Capacity is based on April 1 for 1898; November 1, 1901 and 1907; June 1, 1904; and the average of January 1 and July 1 for 1941–1944 and 1950.

None or negligible capacity in Alaska and Hawaii.

P 302. Steel ingots and steel for castings, 1887-1960.

Source: See source for series P 301.

Figures include a 9.1 percent deduction from full-time operation to allow for rebuilding, relining, and repairing equipment, and for holiday shutdowns. Capacity is based on an average of January 1 and July 1 for 1941–1944.

None or negligible capacity in Alaska and Hawaii.

P 303. Copper refining, 1907-1970.

Source: 1907-1930, Edwin G. Nourse, America's Capacity to Produce, The Brookings Institution, Washington, D.C., 1934, p. 557; 1931-1970, American Bureau of Metal Statistics, Year Book, New York, various issues. (Copyright.)

None or negligible capacity in Alaska and Hawaii.

P 304-305. Lead refining, 1921-1970.

Source: American Bureau of Metal Statistics, Year Book, New York, various issues (copyright).

None or negligible capacity in Alaska and Hawaii.

P 306. Zinc refining, 1921-1970.

Source: See source for series P 304-305.

Figures are not comparable throughout because of changes in components. For 1921-1925, figures represent distillation zinc; 1926-1940, distillation and electrolytic zinc; 1941-1970, slab zinc. As an alternative source for data, see U.S. Bureau of Mines, *Minerals Yearbook*, various issues.

None or negligible capacity in Alaska and Hawaii.

P 307. Aluminum ingots, 1889-1970.

Source: 1889–1895, J. D. Edwards, et al., The Aluminum Industry, McGraw-Hill Publishing Co., New York, 1930 (copyright); 1910–1919, U.S. Business and Defense Services Administration (now Bureau of Domestic Commerce), Materials Survey, Aluminum, 1956; 1927–1938, U.S. Surplus Property Board, Aluminum Plants and Facilities Report, 1945; 1939–1970, American Bureau of Metal Statistics, Year Book, New York, various issues (copyright).

The general practice in this industry is to rate potline capacity

on full-time operation. As an alternative source for data, see U.S. Bureau of Mines, *Minerals Yearbook*, various issues.

None or negligible capacity in Alaska and Hawaii.

P 308. Portland cement, 1910-1970.

Source: U.S. Geological Survey, 1910-1923, Mineral Resources of the United States, annual volumes; U.S. Bureau of Mines, 1924-1931, Mineral Resources of the United States, annual volumes; 1932-1970, Minerals Yearbook, annual volumes.

A deduction from full-time operation is taken for estimated average number of days required for repair or other unavoidable shutdowns. Favorable labor, fuel, and transportation conditions are assumed. No capacity in Alaska; figures include Hawaii beginning 1960.

P 309. Crude petroleum refining, 1918-1970.

Source: U.S. Bureau of Mines, 1918-1961, Petroleum Refineries, Including Cracking Plants in the United States, January 1, 1961 (also shown in Minerals Yearbook); 1962-1970, Mineral Industry Survey, Petroleum Refineries in the United States and Puerto Rico, January 1, annual issues.

Capacity is defined as the maximum daily average throughput (converted to an annual basis) of the plant in complete operation, with allowance for necessary shutdown time for routine maintenance, repairs, etc. It approximates the maximum daily average crude runs to stills that can be maintained for an extended period. Capacity is based on November 1 for 1924.

Includes Alaska for all years, Hawaii beginning 1960.

P 310-311. Coke, 1909-1961.

Source: 1909-1920, see first source cited for series P 303; 1921-1961, see sources cited for series P 308.

None or negligible capacity in Alaska and Hawaii.

P 312. Carbon black, 1928-1970.

Source: See source for series P 308.

None or negligible capacity in Alaska and Hawaii.

P 313. Sulfuric acid, 1945-1970.

Source: 1945, reprinted with permission from *Chemical and Engineering News*, Washington, D.C., July 10, 1945 (copyright by American Chemical Society); 1950–1970, U.S. Bureau of Domestic Commerce (formerly Business and Defense Services Administration), *Chemical Industry Report*, various issues.

Capacity is based on 350 days a year.

None or negligible capacity in Alaska and Hawaii.

P 314. Phosphatic fertilizers, 1900-1970.

Source: 1900-1951, U.S. Agricultural Research Service, Statistics on Fertilizers and Liming Materials in the United States, Statistical Bulletin No. 191, April 1957; 1952-1957, National Plant Food Institute, Plant Food Review, vol. 4, Nos. 2 and 3, 1958; 1958-1970, U.S. Bureau of Domestic Commerce (formerly Business and Defense Services Administration), unpublished data.

These data are the total of normal superphosphate, concentrated superphosphate, and miscellaneous phosphatic materials. Capacity of normal superphosphate is based on 300 two-shift days a year. Capacity of concentrated superphosphate and other phosphatic materials is based on 350 days a year, continuous operations.

None or negligible capacity in Alaska and Hawaii.

P 315. Total combined nitrogen, 1924-1970.

Source: 1924-1950, see source for series P 314; 1951-1955, U.S. Business and Defense Services Administration, Summary Information on Anhydrous Ammonia, Bulletin No. 142, February 1956; 1956-

1970, U.S. Bureau of Domestic Commerce (formerly Business and Defense Services Administration), unpublished data.

This series was entitled "synthetic nitrogen" from 1924-1955. Capacity is based on 350 days a year, continuous operations.

None or negligible capacity in Alaska and Hawaii.

P 316. Rayon and acetate yarn, staple and tow, 1911-1970.

Source: 1911, New York Times, Special Chemistry Section, September 2, 1951; 1931-1970, Textile Economics Bureau, Textile Organon (prior to 1952, Rayon Organon), New York, various issues. (Copyright.)

Data for 1931-1938 are for yarn only; staple and tow data are not available for those years.

Capacity is as of November for all years except 1933 (July) and 1944 (April). Allowance was made for periodic shutdowns of machines for repair, overhaul, or cleaning on a set time schedule.

None or negligible capacity in Alaska and Hawaii.

P 317. Paper and paperboard, 1900-1970.

Source: American Paper Institute, The Statistics of Paper, 1957, and subsequent annual issues, New York (copyright).

Historic capacity, used until 1955, is based on 310 days a year, 24 hours a day, for paper and building paper and 313 days for paper-board. From 1956 to 1969, practical maximum capacity was used, based on 340 days a year for paper, 339 days for paperboard, and 326 days for construction paper and board and wet machine board. In 1970, practical maximum capacity was based on 346 days for all grades, 348 days for paper, 346 days for paperboard, and 334 days for construction paper and board and wet machine board.

Includes Alaska and Hawaii beginning 1960.

P 318-374. Value of output of finished commodities and construction materials destined for domestic consumption at current producers' prices, and implicit price indexes for major commodity groups (Shaw), 1869-1939.

Source: William H. Shaw, Value of Commodity Output Since 1869, National Bureau of Economic Research, New York, 1947, pp. 30, 66, and 290 (copyright).

These estimates are derived from census of manufactures data, supplemented by less complete data for nonmanufactured finished commodities and construction materials and for intercensal year interpolations. The estimates before 1919 are based necessarily on less adequate information.

The estimates of finished commodities measure the value of commodities that have reached the form in which they are used by ultimate recipients—largely households in the case of consumers' goods, chiefly business and public enterprises in the case of producers' goods. The amount "destined for domestic consumption" is derived as the sum of domestic production, minus exports, plus imports. In most years and for most commodities, the differences between domestic production of finished commodities and finished commodities destined for domestic consumption were modest. Changes in the latter, therefore, can be used as an approximate measure of changes in domestic manufacturing output. For figures on domestic output of finished commodities at producers' prices for 1919–1933, see Simon Kuznets, Commodity Flow and Capital Formation, vol. 1, National Bureau of Economic Research, New York, 1938, pp. 136–138 and 348.

The estimates presented here exclude transportation and distribution costs incurred after the production stage, and hence are not in terms of prices to final users. Nor do they measure domestic consumption for they make no allowance for inventory changes.

Perishable commodities include those usually lasting less than 6 months; semidurable, those usually lasting from 6 months to 3 years; and durable, those usually lasting more than 3 years. For a detailed discussion of sources and procedures, see the source, part II for estimates of the value of output, part III for exports and imports, and part IV for price indexes.

Series P 1-12. Manufactures Summary: 1849 to 1970

	Estab	lishments		rsons engaged ufacturing (1		Man-hours.	Pa	yroll (mil. do	1.)	Value added by	Capital expendi-	End-of- year
Year	Total	With 20 or more employees	Proprietors and partners	Non- production employees	Production workers 1	production workers (mil.)	Total	Salaries	Wages	manu- facture ³ (mil. dol.)	tures, new (mil. dol.)	inven- tories (mil. dol.)
	1	2	3	4	5	6	7	8	9	10	11	12
				FACT	ORIES, EXCLU	DING HAND A	ND NEIGHBOR	RHOOD INDUST	fries			·
1970				4,462 4,798	13,528 14,358	26,669 28,600	141,886 142,645	50,277 49,186	91,609 93,460	300,228 304,441	22,164 22,291	101,285 98,206
1968 1967 1966	805,680	107,138		4,640 4,537 4,374	14,041 13,955 13,827	28,157 27,838 28,103	132,568 123,481 117,157	45,088 42,087 38,901	87,480 81,394 78,256	285,059 261,984 250,880	20,613 21,503 20,236	90,505 84,406 77,721
1965 1964 1963 1962 1961	306,617	99,352	169	4,174 4,082 4,000 4,028	13,076 12,403 12,232 12,127	26,568 25,246 24,509 24,270	106,643 98,685 93,283 89,819	35,281 32,846 31,190 30,685	71,362 65,839 62,094 59,184	226,940 206,194 192,083 179,071	16,615 13,294 11,370 10,436	68,009 63,211 59,913 58,067
				3,951 3,940 3,790	11,779 12,210 12,273	23,289 24,174 24,444	83,677 83,678 81,204	28,912 28,117 26,489	54,765 55,556 54,714	164,281 163,999 161,536	9,780 10,098 9,140	54,744 53,560 52,552
1960 1959 1958 1957 1956	299,017	95,278	186	3,742 3,782 3,563	11,681 12,839 13,131	22,679 25,208 26,089	73,875 76,315 74,015	24,270 23,745 21,974	49,605 52,569 52,041	141,541 147,838 144,909	9,544 12,144 11,283	49,947
1955 1954 1953 1952 1951	285,000 267,000	90,470	198	3,381 3,273 8,192 3,026 2,800	12,954 12,372 13,501 12,706 12,509	25,898 24,334 27,066 25,618 25,264	69,097 62,963 66,498 59,598 54,742	19,878 18,372 17,513 15,834 14,087	49,218 44,591 48,979 43,764 40,655	135,023 117,032 121,659 109,162 102,086	8,233 8,201 8,048 7,883 7,782	40,341
1950 1949 1947			189	2,688 2,550 2,376 51,719	11,779 11,016 11,918	23,717 21,770 24,317	46,643 41,482 39,696	12,043 11,228 9,452	34,600 30,254 30,244	89,750 75,367 74,291	5,041 5,067 5,998	
1947 1989 ³ 1987	173,802 166,794		4 124 99	1,719	7,808 8,569		5 12,706 12,830	\$3,708 2,717	68,998 10,113	24,487 25,174		26,129 9,632 9,863
1935 1933 1931 1929	139,325 171,450 206,663		183	1,058 6770 1,290	7,204 5,788 6,163 8,370		9,565 66,238	2,253 61,298 3,399	7,311 4,940 6,689 10,885	18,601 30,591		
1927 1925	187,629 183,877		132 133 148	1,224 1,271 1,280	7,848 7,871 8,194		13,123 12,958 12,997	3,023 2,978 2,848	10,100 9,980 10.149	26,325 25,668 24,570		
1923 1921 1919 1914	192 059		172 250 259	1,280 1,081 1,371 911	6,476 8,465 6,602		9,870 12,427 5,016	2,419 2,763 1,234	7,451 9,664 3,782	17,253 23,842 9,386		
1909 1904 1899	264,810 213,444 204,754		272 225	759 493 348	6,262 5,182 4,502		4,106 2,991 2,259	900 550 366	3,205 2,441 1,893	8,160 6,019 4,647		
		<u> </u>	<u> </u>	P.	ACTORIES AN	D HAND AND	NEIGHBORHO	OD INDUSTRIE	ss		<u>'</u> ,	<u> </u>
1899 1889 1879 1869	509,490 353,864 253,852 252,148			457	5,098 4,129 2,733 2,054			389 388	2,207 1,821 948 621	5,475 4,102 1,973 1,395		
1859 1849	140,438 123,025	1		-	1,311 957				379 237	854 464		

¹ The Bureau of Labor Statistics annual averages for employment in manufacturing indicates 1943 as the year of maximum employment, with 15,147,000 production workers. See series D 145.

² For 1849–1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture. For 1935–1953, value added by manufacture represents unadjusted value added; beginning 1954, it represents adjusted

racture represents unautoused value.

³ Except as noted, figures bave been revised by retabulation of returns to exclude data for establishments classified as manufacturing in 1939 but as nonmanufacturing beginning 1947. Value added by manufacture in 1939, prior to revision and on a basis comparable with prior years, was \$24.7 billion.

^{*}Includes establishments classified as manufacturing in 1939 and prior years but as nonmanufacturing thereafter.

*Figures revised on basis of estimates rather than by retabulation of 1939 reports. Estimates made as follows: For nonproduction employees, by multiplying the retabulated figure for number of production workers by the ratio of all employees to production workers computed from unrevised 1939 data; for salaries and wages, by multiplying the retabulated wage figure by the ratio for salaries and wages also derived from the unrevised 1939 data.

*Excludes data for salaried officers of corporations and their salaries; therefore, not strictly comparable with figures for other years.

Series P 13-17. Indexes of Manufacturing Production: 1860 to 1970

Year	FRB ¹ (1967 = 100)	NBER ² (1958 = 100)	Year	FRB ¹ (1967 = 100)	NBER ² (1958 = 100)	Year	NBER ² (1947 = 100)	NBER ² (1939 = 100)	Frickey ³ (1899 = 100)	Year	Frickey 8 (1899 = 100)
	13	14		13	14		15	16	17		17
1970 1969 1968 1967 1966	105 111 106 100 98	131	1945 1944 1943 1942 1941	43 51 47 38 32	82 86 87 83 80	1919 1914 1913 1912 1911	34 29		192 203 194 162	1890 1889 1887 1885 1884	71 66 62 60 57 47
1964 1963 1962 1961	81 76 71 66	125 121 117 113	1939 1938 1937 1936	22 18 23 22	69 60 66 66	1907	24		166 127 156 152	1883 1882 1881 1880 1879	50 49 46 42
1960	65 64 57 61 61	109 107 100 100 99	1935 1934 1933 1932 1931	18 15 14 12 15	63 57 53 46 52	1904 1903 1902 1901		19	140 121 126 127 111	1878 1877 1876 1875 1874	36 32 30 28 28 29
1955 1954 1953 1952 1951	58 52 55 51 49	98 91 90 86 86	1930 1929 1928 1927 1926	19 23 21 20 20	54 56	1899 1898 1897		15	100 100 91 80 74	1873 1872 1871 1870 1869	30 31 26 25 25
1950 1949 1948 1947 1946	45 39 41 39 35	87 79 78 76 73	1925 1924 1923 1922 1921	19 17 18 15 12		1894 1893			81 68 70 79 73	1868 1867 1866 1865 1864	23 22 21 17 18 17
			1920 1919	15 15						1862 1861 1860	15 16 16

¹ Federal Reserve Board index of manufacturing production.

² National Bureau of Economic Research index of physical volume, all manufacturing industries.

Series P 18-39. Indexes of Manufacturing Production (FRB), by Industry Group: 1947 to 1970
[1967 = 100]

						Durable m	anufactures				
Year	Total manufac- turing	Total	Primary metals	Fabricated metal products	Machinery	Transpor- tation equipment	Instruments and relat- ed products	Stone, clay, and glass products	Lumber and products	Furniture and fixtures	Miscellan- eous manufac- tures
	18	19	20	21	22	23	24	25	26	27	28
1970	105 111 106 100 98	102 110 106 100 99	107 114 103 100 109	109 114 106 100 101	100 107 102 100 99	90 108 110 100 101	111 116 107 100 95	106 113 106 100 105	106 109 105 100 98	99 107 105 100 101	117 116 107 100 100
1965	89 81 76 71 66	89 79 74 69 62	104 96 84 78 73	93 83 78 . 76 70	84 74 68 65 57	91 80 76 69 60	83 71 66 60 57	101 96 91 86 81	95 91 86 82 78	93 86 81 78 71	94 84 78 75 70
1960	65 64 57 61 61	63 62 54 62 62	74 75 64 80 84	72 72 64 71 69	56 54 45 52 52	64 62 54 69 64	58 55 48 51 49	81 84 73 76 77	74 79 70 68 75	72 73 65 69 69	68 65 60 66 69
1955 1954 1953 1952 1951	58 52 55 51 49	60 52 59 52 49	85 65 80 71 78	68 60 67 59 60	47 42	66 58 66 53 45	44 40 39 86 30	72 62 63 62 64	76 68 68 64 65	66 57 53 51 49	65 51 55 49 48
1950	45 39 41 39	44 36 40 38	71 57 67 65	57 46 51 50		41 34 34 31	26 23 25 25	58 48 52 48	65 54 61 59	52 43 46 45	49 44 47 44

³ Edwin Frickey's indexes of manufacturing production.

Series P 18-39. Indexes of Manufacturing Production (FRB), by Industry Group: 1947 to 1970—Con.
[1967 = 100]

					Nond	urable manufa	ctures				
Year	Total	Textile mill products	Apparel products	Leather and products	Paper and products	Printing and pub- lishing	Chemicals and products	Petroleum and products	Rubber and plastics products	Food	Tobacco products
	29	30	31	32	33	34	35	36	37	38	39
1970	111 111 106 100 97 90 84 79 75	106 113 109 100 102 95 87 81 78 73	98 103 102 100 101 98 94 89 86 82	91 96 106 100 105 104 101 99	113 114 106 100 100 92 86 81 76	104 106 103 100 98 90 84 77 73 71	120 120 110 100 98 82 74 67 62 55	113 108 105 100 97 93 91 88 84	116 120 113 100 97 84 74 69 64	112 108 104 100 97 92 90 86 83 81	100 97 100 100 100 101 101 97 94 93
1960 1959 1958 1957 1956 1955 1954 1953 1952	69 67 61 61 60 57 51 49 48	71 72 64 65 68 66 58 62 60 61	82 80 73 75 75 74 67 67 63	99 104 97 99 100 99 90 92 92 86	68 67 59 59 60 57 51 47 49	70 68 63 65 63 59 54 52 49	53 51 44 42 40 37 32 32 29 28	77 74 70 70 70 66 60 58 55	54 54 45 46 43 43 35 34 32	78 76 73 71 70 66 63 61 60 59	90 88 85 79 75 74 72 74 75 73
1950	46 42 42 41	61 54 58 55	64 60 60 58	92 85 89 94	46 38 40 39	49 46 45 43	25 20 20 18	48 44 45 42	31 24 25 25	58 56 55 56	69 68 68 67

Series P 40-57. Indexes of Manufacturing Production, by Industry Group: 1899 to 1954

[1947 = 100]

	All				Durable ma	nufactures			
Year	manu- facturing industries	Primary metals	Fabricated metal products	Machinery, except electrical	Electrical machinery	Trans- portation equipment	Stone, clay, and glass products	Lumber and furniture	Instruments and miscel- laneous ¹
	40	41	42	43	44	45	46	47	48
1954	128	103	114	116	165	189	124	116	178
1947	100	100	100	100	100	100	100	100	100
1939	57	52	50	38	35	49	87	72	52
1937	58	58	51			60 48 22	88	69	
1935	46 35	39				48	61	54	
1933	35 40	27 32				22 30	42	42 57	
1931 1929	56	82 65				80 66	60 89	57 91	
1927	49	52				45	88	90	
1021	10	02				40	00	30	
1925	46	53	L		Li	50	81	93	l
1923	43	52				50		82	
1921	30	26				25		76	
1919	34	40				40		71	
1914	29	29				13		75	
1909	24	28				7		75	
1904	19	18				5		69	
1899	15	14				5		74	

				Nond	urable manufact	ures			
Year	Textiles and apparel	Rubber products	Leather	Paper	Printing and publishing	Chemicals	Petroleum and coal products	Food	Tobacco
	49	50	51	52	53	54	55	56	57
1954 1947 1949 1937 1938 1938 1931 1929	109 100 80 72 67 57 58 67 63	114 100 55 51 45 39 39 57 52	90 100 87 86 79 68 142 79	131 100 68 63 53 44 45 52	126 100 69 73 62 52 60 72 65	164 100 46 43 35 29 30 35 29	131 100 65 61 49 42 45 54	109 100 65 61 52 37 41 46 42	108 100 66 65 56 48 51 55
1925 1923 1921 1919 1914 1909 1904 1899	58 56 43 45 48 41 32 26	48 41 24 30	67 75 60 142 64 65 58 50	40 36 26 27 24 19 14	59 52 37 39 34 25 19	24 22 15 18 15 11 8	40 34 30 21 12 9 6 5	40 38 31 32 34 28 24	45 41 36 38 29 24 21 16

¹ Includes ordnance and accessories.

SUMMARY DATA BY MAJOR GROUPS

Series P 58-67. General Statistics for Manufacturing Industries, by Major Groups: 1899 to 1970

[Represents operating manufacturing establishments only]

	Establis	hments	Ali empl	oyees 1	Pr	oduction worker	B 1			Aggregate
Industry group and year	Total	With 20 employees or more	Number	Payroll	Number	Man-hours	Wages	Value added by manufacture	Capital expenditures, new	horsepower rating of power equipment
	58	59	60	61	62	63	64	65	66	67
FOOD AND KINDRED PRODUCTS	Number	Number	1,000	Mil. dol.	1,000	Millions	Mil. dol.	Mil. dol.	Mil. dol.	1,000
1970 1969 1968 1967 1966			1,619 1,653 1,632 1,650	11,698 11,135 10,497 10,077	1,105 1,132 1,114 1,122	2,216 2,265 2,234 2,259	7,095 6,782 6,390 6,063	32,289 29,997 28,202 26,621	2,144 1,917 1,740 1,730	
1966			1,643 1,641 1,646 1,643	9,542 9,162 9,028 8,637	1,098 1,095 1,095 1,098	2,240 2,233 2,270 2,228	5,676 5,446 5,367 5,159	24,896 23,538 25,053 21,826	1,692 1,476 1,413 1,249	
1961		14,113	1,683 1,702	8,593 8,363	1,119 1,138	2,287 2,317	5,060 4,934	20,870 20,124	1,235 1,044	11,884
1960		14,890	1,719 1,718 1,718 1,688 1,706	8,210 7,910 7,622 7,141 6,964	1,155 1,155 1,153 1,133 1,167	2,348 2,345 2,310 2,304 2,378	4,857 4,702 4,549 4,244 4,202	19,753 18,646 17,701 16,347 15,939	1,034 1,078 1,021 923 887	
1955 1954 ² 1953 1952 1951	42,373 36,829 38,237	13,648	1,674 1,647 1,455 1,480 1,474	6,544 6,200 5,267 5,098 4,819	1,154 1,138 1,059 1,075 1,079	2,344 2,316 2,160 2,216 2,218	3,940 3,758 3,436 3,313 3,143	14,790 13,767 11,938 11,340 10,579	798 788 545 527 687	8,311
1950 1949 1947 1939	38,466 		1,493 1,463 1,461	4,415 4,199 3,833	1,075 1,077 1,112 802	2,218 2,222 2,368	2,858 2,707 2,617 888	10,104 9,426 9,116 3,485	649 723 821	5,642
1937	48,763 48,982		932	1,068	891 800		981 804	3,371 2,804		
1933 *	40,325 48,729 55,325 48,947 48,151		768 	777 1,203 1,104 1,062	669 647 741 668 667		624 740 896 817 799	2,413 2,745 3,340 2,840 2,718		4,608 4,135 3,882
1923 1921	$51,173 \\ 51,502$		818 760	1,084 1,016	676 621		792 742	2,506 2,120		3,723
TOBACCO MANUFACTURES										
1970 1969 1968 1967 1966	329	195	71 72 74 75 72	448 411 396 377 356	63 63 65 66 64	119 117 121 126 122	362 329 323 304 289	2,489 2,221 2,141 2,032 1,872	56 61 50 58 58	
1965 1964 1963 1962 1961	394	231	75 79 77 76 78	349 353 331 328 317	66 70 69 67 69	125 138 132 134 135	285 291 272 265 258	1,766 1,772 1,681 1,642 1,590	59 59 54 49 49	295
1960 1959 1958 1957 1956	504	380	81 83 85 88 93	313 304 295 284 279	73 75 76 81 85	142 145 147 151 156	258 255 248 240 237	1,546 1,480 1,414 1,246 1,173	47 53 48 42 47	
	627	391	96 95 95 98 94	271 260 253 241 230	88 87 87 86 86	166 163 166 163 162	230 220 213 202 192	1,083 1,004 987 868 856	27 28 29 22 18	256
1950 1949 1947	1,086		93 101 112	213 208 206	85 93 103	160 174 198	177 174 175	806 779 641	18 22 36	

¹Beginning 1947, for food and kindred products, excludes driver-salesmen in bakery products industry. Number of driver-salesmen for 1939 was at least 120,000.

²Beginning 1954, includes milk bottling plants. Value added for this industry in 1954 was \$1,476 million.

³ Beginning 1933, excludes establishments primarily engaged in manufacture of ethyl alcohol.
⁴ Beginning 1927, includes establishments primarily engaged in manufacture of vegetable cooking oils.

Series P 58-67. General Statistics for Manufacturing Industries, by Major Groups: 1899 to 1970—Con.

Total 58 Number 765 852 890 804 1,228 1,888 2,156 2,623 3,672	With 20 employees or more 59	Number 60 1,000 96 98 98 96 91	Payroll 61 Mil. dol. 87 82 71 59	Number 62 1,000	Man-hours 63 Millions	Wages 64 Mil. dol.	Value added by manufacture 65 Mil. dol.	Capital expenditures, new 66 Mil. dol.	Aggregate horsepower rating of power equipment 67
Number 765 852 890 804 1,228 1,888 2,156 2,623 3,672	Number	1,000 96 98 96	Mil. dol. 87 82 71	1,000 88 92	-	Mil. dol.	Mil. dol.		
765 852 890 1,228 1,888 2,156 2,623 3,672		96 98 96	87 82 71	88 92	Millions			Mil. dol.	1,000
852 890 804 1,228 1,888 2,156 2,623 3,672		98 96	82 71	92		20			
852 890 804 1,228 1,888 2,156 2,623 3,672		98 96	82 71	92					
890 804 1,228 1,888 2,156 2,623 3,672		96	71			69 70	350 325		100
1,228 1,888 2,156 2,623 3,672				91 87		59 51	284 250		
2,156 2,623 3,672				100		69	370		
2,623 3,672		126	118	116		95			65
3,672		141 143	129 134	129 132		105 111			52 42
4.312			151 148	146 150		121 121			44
									43
13,951		196	100	179		78			35
16,827		170	71	159		63			35 28 24 22
14,959		140	57	133		48			22
		925	5 082	813	1 629	4 036	994	911	
		968	5,132	859	1,748	4,129	9,605	849	
7,080	4,453	929	4,391	828	1,690	8,557	8,153	733	
		927	4,244	828	1,728	8,446	8,028	887	
- -		894 876	3,912 3,647	798 782	1,671	3,189 2,963	7,469	618	
7,104	4,368	863	3,385	775	1,568	2.768	6,123	382	5,043
		876	3,358	787 782	1,552	2,728 2,575	5,609	376	5,043
		901	3.214	809	1,602		5.591	326	
7 680	A 621		3,252	835 812	1,689	2,681	5,692	300	
		989	3,183	893	1,736	2,632	5,197	289	
							·		
8.070	4.862	1,059 1,037	3,241 3,033	966 948	1.821	2.527	5,312 4,709	262 226	4,463
		1,158 1,185	3,455 3,343	1,060 1.037	2,086	2.910	5,412 5,257		
7,758		1,195	3,438	1,097	2,155	2,925	5,421	406	
8,484		1,245	3,364	1,142	2,301	2,861	5,642	420	
8,157		1,170	2,833	1,146	2,071	2,448	4,741 5,323	419 368	
6,388 6,096				1,082 1.138			1,818 1,786		3,670
			986	•			•		
5.957				972		664	1.342		
7,415		1,190	1,293	1,120		1,082	2.321		4,146
			į						4,173
7,892 8,249		1,263	1.345	1,190		1,152	2.413		3,987 3,783
7,695 7,869		1,072	1,071	1,012		916	1,824		3,248
6,756		1,013	476	976		417	781		2,717
6,490				932		362	752		
5,798 5,930		716	250	786 698		271 224	515 441		
	4,312 10,291 13,951 15,822 16,827 14,959 7,080 7,080 7,104 7,584 7,758 8,434 7,758 8,434 8,157 6,388 6,096 6,433 5,957 6,490 7,415 7,693 7,892 8,249 7,995 7,766 6,490 5,798 5,980	4,312 10,291 13,951 15,822 16,827 14,959 7,080 4,453 7,104 4,368 7,680 4,453 7,584 7,758 8,434 7,758 8,434 8,157 6,388 6,096 6,433 5,957 6,490 7,415 7,633 7,892 8,249 7,695 7,869 6,766 6,490 5,798	4,312 165 10,291 173 13,951 196 15,822 180 16,827 170 14,959 140	4,312 165 148 10,291 173 153 13,951 196 100 15,822 180 86 16,827 170 71 14,959 140 57	4,312 165 148 150 10,291 173 153 157 13,951 196 100 179 16,822 180 86 167 16,827 170 71 159 14,959 140 57 133	4,312 165 148 150 10,291 173 153 157	10,291	1,312	10.291

¹ Beginning 1958, excludes establishments primarily producing hats, except cloth and millinery, and those primarily producing hard-surface floor covering except asbestos, plastic, or rubber; therefore, data are not entirely comparable with those for earlier years. The 1957 employment was 12,428 for the hats except millinery industries and 8,736 for the hard-surface floor covering industry. Also, prior to 1958, excludes estab-

lishments primarily engaged in shrinking and sponging of cloth; such establishments had 1,723 employees in 1958.

² For 1937 and 1939, includes establishments that cut and stitch products from knit cloth made in separate mills of integrated companies.

Series P 58-67. General Statistics for Manufacturing Industries, by Major Groups: 1899 to 1970—Con.

	Establis	hments	All emp	loyees	Pr	roduction worker	"S			Aggregate
Industry group and year	Total	With 20 employees or more	Number	Payroll	Number	Man-hours	Wages	Value added by manufacture	Capital expenditures, new	horsepower rating of power equipment
	58	59	60	61	62	63	64	65	66	67
	Number	Number	1,000	Mil. dol.	1,000	Millions	Mil. dol.	Mil. dol.	Mil. dol.	1,000
APPAREL AND OTHER TEXTILE PRODUCTS										
			1,341	6,267	1,171	2.119	4,806	11,598	300	
1970 1969			1,381 1,356	6,402	1,210 1,194	2,119 2,203 2,177	4,944 4,681	11,571 10,881	311 267	
1968 1967 1966	26,393	12,705	1,357	6,012 5,582	1,200	2,179	4,841	10,064	208	
1966			1,360	5,207	1,202	2,213	4,038	9,181	206	
1965			1,335	4,955	1,183	2,179	3,878	8,684	168	
1964 1963 1962	28,457	13,011	1,303 1,280	4,684 4,423	1,147 1,138	2,107 2,053	$3,640 \\ 3,482$	8,168 7,861	123 129	
1962 1961			1,235	4,162 3,877	1,085 1,066	1,952 1,891	3,224 3,000	7,135 6,707	98 80	250
			1,214				,			
1960			1,238 1,237	3,865 3,827	1,089 1,090	1,932 1,990	$\frac{3,012}{3,001}$	6,587 6,495	84 88	
1958 1	29,363	13,034	1,181	3,587	1,042	1,837	2,771	6,001	91	
1960 1959 1958 ¹ 1957			$\begin{array}{c c} 1,264 \\ 1,271 \end{array}$	3,664 3,612	1,123 1,184	1,989 2,031	2,867 2,842	6,067 5,973	107	
1955			1,248	3,408	1,117	2,000	2,684	5,650	86	
1954 1953	31,472	13,380	1,190	3,202	1,070	1,899	2.521	5,166	77	
1952	29,079		1,227 1,143	3,358 3,079	$1,106 \\ 1,018$	1,995 1,876	2,652 2,404	5,415 4,849	60 55	
1951	28,931		1,123	2,955	1,002	1,819	2,295	4,699	69	
1950	26,145		1,151	2,765	1,005	1,815	2,170	4,176	63	
1949 1947	30.063		1,161 1,082	2,717 2,525	1,009 973	1,813 1,811	2,094 2,015	4,245 4,440	54 84	
1939 2	20,375				753		656	1,386		3 24
1937 2	16,389				693		600	1,245		
1935 1933	18,952 14,801				681 513		545 366	1,123 826		
1931	19,750				581		503	1,370		l <u></u>
1929 1927	22,470 22,077		681 648	901 859	606 571	[687 673	1,927 1,878		40 34
1925	18,609				515		602	1,685		83
1923	20,333		635	816	545		627	1,748		40
1921 1919	20,049 22,501		586 640	733 769	515 554		584 578	1,408 1,618		
1914	18,015		618	356	548		270	682		
1909	16,747				537		247	614		
1904 1899	12,416 12,619		428 364	194 150	391 338		159 123	414 309		
LUMBER AND	12,010		001	100	000		120	000		
WOOD PRODUCTS										
1970	·		542 566	$\frac{3,241}{3,246}$	475 502	925 986	2,591 2,630	5,869 6,331	535 590	
1968 1967			552	3,019	491	973	2,471	5,916	484	
1967	36,795	5,803	554 572	2,799 2,693	496 506	977 1,015	$\frac{2,291}{2,214}$	4,973 4,791	426 485	
1965			572	2,586	507	1,009	2,124	4,474	482	
1964			559	2,436	490	985	2,048	4,365	362	
1963 1962	36,150	5,765	563 553	2,339 2,170	497 493	979 972	1,943 1,780	4,021 3,644	395 300	7,710
1961			556	2,084	494	961	1,714	3,413	242	
1960			594	2,169	529	1,028	1,779	8,495	334	
1959	37,882	5,904	617 585	2,230 2,008	552 509	1,071 967	1,850 1,642	3,806 3,213	301 297	
1957			646	2,111	579	1,072	1,723	3,285	204	
1956		-	698	2,276	631	1,187	1,887	3,817	293	
1955 1954	41,484	6,387	693 645	2,187 1,934	628 582	1,202 1,107	1,820 1,605	3,744 3,242	302 217	5,151
1953			720	2.087	658	1,236	1,803	3,501	183	
1952 1951			743 771	2,072 2,015	687 714	1,270 1,308	1,786 $1,738$	3,449 3,523	178 240	
1950 5	41,506	,	751		692	1,272			192	
1949 5			649	1,748 1,422	601	1,083	1,510 1,210 1,191	3,166 2,284 2,520	147 147 172	
1947 6	26,312		642	1,352	601	1,255				

¹ Prior to 1958, excludes establishments producing hats, except cloth and millinery. In 1954, these establishments had 12,988 employees and \$61,856 thousand value added by manufacture. Also prior to 1958, includes establishments primarily engaged in shrinking and sponging of cloth. In 1958, such establishments had 1,723 employees and \$10,709 thousand value added by manufacture.

² For 1937 and 1939, excludes establishments that cut and stitch products from knit cloth made in separate mills of integrated companies.

³ Horsepower of prime movers only.

⁴Prior to 1958, excludes establishments primarily engaged in manufacture of hard pressed wood fiberboard and those primarily engaged in manufacturing fabricated hardboard products.

⁵In 1949 and 1950, there was a significant undercoverage in the sample for this major group, especially in the logging camps and logging contractors industry.

⁶For 1937-1947, excludes logging contractors and independent logging camps not operating sawmills as well as establishments primarily engaged in manufacture of venetian blinds.

Series P 58-67. General Statistics for Manufacturing Industries, by Major Groups: 1899 to 1970—Con.

	Establis	hments	All emp	loyees	Pr	oduction worke	rs			Aggregate
Industry group and year	Total	With 20 employees or more	Number	Payroll	Number	Man-hours	Wages	Value added by manufacture	Capital expenditures, new	horsepower rating of power equipment
	58	59	60	61	62	63	64	65	66	67
	Number	Number	1,000	Mil. dol.	1,000	Millions	Mil. dol.	Mil. dol.	Mil. dol.	1,000
LUMBER AND WOOD PRODUCTS—Con.		:					-			
1939 1	13,208 11,747				423 438		355 369	731 714		2,998
1937 ¹	11,280		415	340	384		283	542		
1935 1933 1931	8,456 11,141		314	211	294 327		182 277	379 524		
			051	750	603		632			9 474
1929 ²	20,928 14,949		651 649	759 748	602		632	1,322 1,179		3,674 3,332
1927	16,878 16,471		726 746	815 820	674 693		693 701	1,333 1,399		3,473
1923 ³ 1921	16,548		566	581	521		483	853		3,336
1919	35.872		715	774	663		668	1,299		3,410
1914 ⁴ 1909 1904 1899 ^{2 3}	37,949		718	410	672		349	647		3,176
1909	44,822 29,308				758 596		347 272	708 578		
1899 2 3	32,456				563		209	437		
FURNITURE AND FIXTURES										
1970			437	2,691	361	715	1,938	4,876	231	
1969			456 433	2,693 2,453	381 364	761 733	1,968 1,793	5,031 4,562	190 178	
1967	10,008	3,449	425	2,258	358	716	1.654	4,170	198	
1966			429	2,188	361	735	1,621	3,990	186	-
1965			407	2,013	342 324	699	1,487	3,612	151	
1964	10,478	3,313	388 377	1,845 1,727	324 315	663 640	1,375 1,290	3,227 3,068	108 110	
1964 1963 1962 1961			368 351	1,638 1,503	307 293	632 590	1,205 1,097	2,841 2,558	96 77	1,265
							•		İ	
1960			364 368	1,531 1,522	304 309	615 628	1,124 1,131	2,619 2,614	76 84	
1959	10,329	3,265	354	1.414	292	575	1.039	2,396	83	
1957	-		375 376	1,432 1,417	311 315	618 638	1,049 1,057	2,514 2,510	84 92	
			366	1,329	309	627	996		79	
1955	10,373	3,012	341	1 197	287	571	893	2,306 1,998	62	949
1954 1953 1952	8,778		361 332	1,259 1,123	310 285	629 589	973 853	2,047 1,904	59 55	
1951	8,369		336	1,077	290	590	818	1,804	55	
1950			346	1,013	296	617	774	1,667	58	
1949	7,551		310 316	862 807	270 278	549 584	653 642	1,412 1,346	41 77	
1947 1939 ⁵ 1937 ⁶	5,178		210		189	904	187	418		566
1937 6	4,469				199		202	424		
1935	4,319		171	171	151		133	274		
1933 1931	3,491 4,554		137	111	123 147		91 147	193 322		
1929	5.491		248	359 388	219 210		276 266	615		504
1927	4,666		237					569		456
1925 7	4,776 4,532		232 217	321 293	204 192		254 232	562 510	-	403 345
1923 1921 1919	4,326		162	214	142		165	347		
1919	4,821 4,844		183 169	214 110	160 149		162 84	366 174		265 240
1909 8	4,337				142		73	151		
	4,007		137	69	127		58	116		163
1904 1899 ^{7 8}	3,497 2,614		191	09	98		40	82		112

¹ For 1937–1947, excludes logging contractors and independent logging camps not operating sawmills as well as establishments primarily engaged in manufacture of venetian blinds.

² For 1899–1929, excludes establishments primarily engaged in manufacture of wood and vehicle stock. For 1931, value added by manufacture on a basis comparable with 1929 is \$523.8 million; 1931, on new basis, \$524.4 million.

³ For 1899–1923, includes establishments engaged in manufacture of rules made of metal and other materials as well as wood; figures for later years include establishments making wooden rules only.

⁴ Beginning 1914, excludes establishments primarily engaged in manufacture of windows and door screens. For 1914, excludes establishments engaged in manufacture of laths and shingles; value added by manufacture on a basis comparable with prior years was \$652 million.

⁵ Beginning 1939, includes establishments primarily engaged in manufacture of metal partitions. For 1939, value added by manufacture on a basis comparable with prior years was \$411 million.

⁶ Beginning 1937, includes establishments primarily engaged in manufacture of venetian blinds. For 1937, value added by manufacture on a basis comparable with prior years was \$418 million.

⁷ For 1899–1925, excludes establishments primarily engaged in manufacture of sewing machine cases, cabinets, and tables.

⁸ For 1899–1909, excludes establishments primarily engaged in manufacture of window and door screens. For 1914, value added by manufacture on a basis comparable with prior years was \$169 million.

SUMMARY DATA BY MAJOR GROUPS

Series P 58-67. General Statistics for Manufacturing Industries, by Major Groups: 1899 to 1970—Con.

	Establish	hments	All emp	loyees	Pı	roduction worker	e			Aggregate
Industry group and year	Total	With 20 employees or more	Number	Payroli	Number	Man-hours	Wages	Value added by manufacture	Capital expenditures, new	horsepower rating of power equipment
	58	59	60	61	62	63	64	65	66	67
PAPER AND ALLIED	Number	Number	1,000	Mil. dol.	1,000	M illions	Mil. dol.	Mil. dol.	Mil. dol.	1,000
PRODUCTS 1970 1969			659 670	5,374 5,200	520 531	1,076 1,128	3,850 3,757	11,590 11,426	1,397 1,421	
1968 1967 1966			643 639 634	4,750 4,436 4,236	510 508 503	1,086 1,071 1,076	3,436 3,206 3,071	10,466 9,756 9,417	1,238 1,585 1,422	
1965 1964 1963 1962	5,713	3,552	610 593 588 576	3,896 3,686 3,508 3,336	485 471 468 460 456	1,029 1,007 989 971	2,829 2,678 2,551 2,424	8,464 7,806 7,396 6,997	1,186 902 709 742	12,477
1961 1960 1959 1958 1 1957		3,214	570 575 569 551 563	3,179 3,089 2,998 2,759 2,721	461 459 445 458	958 964 977 927 956	2,315 2,235 2,201 2,022 2,010	6,660 6,509 6,393 5,669 5,724	685 659 686 634 767	
1956 1955 1954 1953 1952	5,004	3,277	563 546 528 533	2,616 2,419 2,205 2,180	461 451 436 442	982 968 920 950	1,952 1,818 1,657 1,647	5,610 5,141 4,630 4,463	750 556 533 397	8,256
1951	4,334 4,406 4,849		482 495 478	1,878 1,823	402 415 401	868 898 874	1,425 1,389 1,240	3,883 4,180	371 389 299	
1950 1949 1947 ² 1939 ³	4,100 3,328 3,084		447 454	1,420 1,295	377 392 270 267	801 857	1,083 1,018 315 310	3,438 2,777 2,913 888 863	315 407	4,131
1935 1933 1931 5	2,945 2,697 2,917		267 221	313 220	236 196 197		236 173 217	636 518 606		
1929 1927	2,973 2,851		258 246	373 344	229 218		282 264	782 686		3,167 2,814
1925 1923 1921 1919 1919	2,614 2,582 2,511 2,558 2,344		242 241 202 227 182	327 317 256 268 114	216 214 181 203 164		256 244 198 208 87	612 564 392 517 201		2,575 2,314 1,967 1,697
1909 1904 1899	2,316 2,031 1,895		155 129 100	85 62 44	142 120 94		67 51 35	168 122 90		
PRINTING AND PUBLISHING			1.077	8,682	653	1,265	4,903	17,232	873	
1970 1969 1968 1967 1966	37,989	8,035	1,091 1,040 1,031 1,018	8,338 7,627 7,152 6,751	667 636 632 619	1,262 1,264 1,204 1,196 1,209	4,702 4,280 4,011 3,832	16,793 15,329 14,355 13,265	853 757 788 709	
1965 1964 1963 1962 1962	38,090	7,215	982 935 913 922 913	6,269 5,848 5,515 5,411 5,201	597 570 560 566 559	1,156 1,124 1,083 1,084 1,075	3,575 3,350 3,191 3,101 2,983	12,099 11,192 10,476 9,998 9,551	543 465 464 436 414	1,746
1960 1959 1958 1957 1956	35,457	6,859	907 885 865 867 854	5,065 4,812 4,489 4,295 4,118	560 553 531 533 527	1,082 1,054 998 1,019 1,017	2,935 2,799 2,596 2,466 2,386	9,342 8,788 7,973 7,913 7,547	420 403 422 327 289	
1955	32,530 30,147 29,704	6,054	823 804 760 773 765	3,837 3,620 3,387 3,267 3,068	507 499 474 471 474	985 961 924 999 991	2,225 2,112 2,014 1,909 1,791	6,938 6,403 5,916 5,660 5,289	254 237 195 189 244	975
1950 1949 1947 ⁶	29,427		763 756 715	2,909 2,744 2,276	472 462 438	1,019 994 888	1,702 1,569 1,318	4,907 4,659 4,249	244 254 226	

 $^{^{\}rm 1}$ Beginning 1958, excludes hard pressed wood fiberboard mills. $^{\rm 2}$ Beginning 1947, includes establishments primarily engaged in the manufacture of

tags.

§ Beginning 1939, includes establishments primarily engaged in the manufacture of printed paper patterns and laminated enamel hard pressed insulating wallboards of vegetable fiber. In 1939, value added by manufacture on a basis comparable with prior years was \$870 million.

⁴ Beginning 1937, includes establishments primarily engaged in the manufacture of fiber products, fiber conduits, and molded pulp products. In 1937, value added by manufacture on a basis comparable with prior years was \$853 million.

⁵ Beginning 1931, includes establishments primarily engaged in manufacture of papeteries. In 1931, value added by manufacture on a basis comparable with prior years was \$600 million.

⁶ Prior to 1947, includes establishments primarily engaged in the manufacture of tags.

Series P 58-67. General Statistics for Manufacturing Industries, by Major Groups: 1899 to 1970—Con.

	Establis	hments	All emp	loyees	Pr	oduction worke	rs			Aggregate
Industry group and year	Total	With 20 employees or more	Number	Payroll	Number	Man-hours	Wages	Value added by manufacture ¹	Capital expenditures, new	horsepower rating of power equipment
	58	59	60	61	62	63	64	65	66	67
	Number	Number	1,000	Mil. dol.	1,000	Millions	Mil. dol.	Mil. dol.	Mil. dol.	1,000
PRINTING AND PUBLISHING—Con.		-								
1939 ²	24,878 22,674		552 555	978 951	324 351		493 530	1,765 1,785		771
1935 1938 ⁸	22,505 19,216		473 398	792 579	303 262		444 853	1,547 1,245		
1931	24,664				815		535	1,768		
1929 1927	27,364 25,375		566 524	1,139 1,027	358 331		636 589	2,233 1,936		649 570
1925 1923	25,375 23,646 22,897		497 481	924 838	317 310		544 494	1,757 1,527		486 430
1921	22,897 22,559		428	718	284		436	1,306		400
1919 1914	83,262 34,241		448 406	594 340	304 286		352 207	1,091 627		379 342
1909	32 137		374 299	281 203	270 228		174 133	519 424		
1899	28,369 24,363		244	144	202		104	300		
CHEMICALS AND ALLIED PRODUCTS										
1970 1969			881 883	8,004 7,608	556 566	1,121 1,151	4,327 4,181	27,930 27,319	3,111 2,843	
1968			856	6,939	551	1,116	3,845	25,810	2.789	
1968 1967 1966	11,799	4,348	841 822	6,443 6,129	541 529	1,086 1,077	3,555 3,400	23,550 22,656	2,936 2,899	
			780	5,594	502	1,028	8,105	20,956	2,482	
1965 1964 1963 1962	11,996	3,985	7 49 737	5,244 4,970 4,755	480 474	986 963	2,928 2,780	20,956 19,166 17,586	1,862 1,546	
1962 1961			727 713	4,755 4,524	470 460	953 932	2,928 2,780 2,647 2,521	16,009 14,805	1,382 1,500	20,558
1960			726	4 422	470	944		,	1,285	
1960 1959 1958 1957	11.372	3.753	718 698	4,233 3,941	471 453	949 908	2,473 2,410 2,242	14,415 14,336 12,308	1,103 1,244	
1957 1956			757 755	4,036 3,852	506 515	1,018 1,040	2,322 2,266	12,373 11,894	1,264 1,082	
			741	3,566	508	1,027	2,117	11,108	761	
1955 1954 1953	11,074	8,959	734 768	3,377 3,40 0	499 536	1,011 1,094	1,994 2,103	9,547 9,320	927 944	13,521
1952	11,007 10,909		789 703	3,117 2,784	513 498	1,063 1,029	1,904 1,733	8,539	1,019 981	
	·		643	2,342	457	955		8,165	608	
1950	10,889		612	2,092	440	922	1,471 1,320	7,237 5,848	598	
1947 1989 ⁵ 1937 ⁶	10,019 8,839 8,337		626	1,899	464 276	975	1,236 342	5,817 1,819	805	3,763
1937 6					303		366	1,732		
1935 1933 ⁷	8,225 7,297		302	306	294 254		282 217	1,363 1,121		
1931 1929 *	8,324 9,327		382	550	248 307		259 852	1,359 1,737		2.312
1927	8,594		848	492	278		319	1,474		1,848
1925 ¹⁰ 1923	8,160 8,253		840	459	261 264 212		297 286	1,320 1,185		1,748 1,654
1921 1919	8,208 10,688		279 388	369	212		286 218 306	834 1,198		
1914.	10,698		269	497 192	294 208		106	457		1,721 1,459
1909	10,380		235 191	144	185		82 56 51	401		
1904 1899 ¹¹	10,380 8,370 7,669		191 170	144 108 80	185 158 144		56 51	286 212		
	<u> </u>	1	l <u> </u>	·		l			<u> </u>	

¹Printing and publishing—for 1909–1933, cost of contract work was subtracted from value of products in calculating value added by manufacture only for the industries in which it was significant. For 1899 and 1904, cost of contract work was not subtracted from value of products for any industries. In 1909, value added by manufacture on a basis comparable with prior years was \$556 million.

² Prior to 1999, includes establishments primarily engaged in the manufacture of

² Fror to 1939, includes establishments primarily engaged in the manufacture of paper patterns.

⁸ For 1933, excludes establishments engaged solely in music publishing.

⁴ Beginning 1949, includes Government-owned plants operated by private firms for the account of the Federal Government.

⁵ Beginning 1939, excludes establishments primarily engaged in manufacture of electrometallurgical products. In 1939, value added by manufacture on a basis comparable with prior years was \$1,838 million.

⁶ Beginning 1937, excludes establishments primarily engaged in mining of rock salt or in smelting and refining of aluminium; in 1937, value added by manufacture on a

basis comparable with prior years was \$1,759 million. Also beginning 1937, excludes woods employees of the gum naval stores industry; in 1937, production workers numbered 30,830 with wages of \$8.6 million.

7 Beginning 1933, includes establishments primarily engaged in manufacture of ethyl alcohol.

8 Beginning 1929, excludes establishments other than petroleum refineries engaged in manufacture of lubricating oils.

9 Beginning 1927, excludes establishments primarily engaged in manufacture of vegetable cooking oils.

10 Beginning 1925, excludes certain establishments primarily engaged in manufacture of rubber cement. In 1925, value added by manufacture on a basis comparable with prior years was \$1,321 million.

11 For 1899, includes establishments primarily engaged in manufacture of candles. In 1904, value added by manufacture on a basis comparable with 1899 was \$287 million.

Series P 58-67. General Statistics for Manufacturing Industries, by Major Groups: 1899 to 1970—Con.

	Establis	hments	All emp	loyees	Pı	oduction worker	-8			Aggregate
Industry group and year	Total	With 20 employees or more	Number	Payroll	Number	Man-hours	Wages	Value added by manufacture	Capital expenditures, new	horsepower rating of power equipment
	58	59	60	61	62	63	64	65	66	67
	Number	Number	1,000	Mil. dol.	1,000	Millions	Mil. dol.	Mil. dol.	Mil. dol.	1,000
PETROLEUM AND COAL PRODUCTS										
969			144 142	1,487 1,369	100 98	205 197	942 857	5,478 5,708	1,218 1,072	
968 967 966	1,880	704	141 142 140	1,284 1,216 1,128	98 99 99	201 202 198	825 786 742	5,567 5,426 4,754	1,065 999 669	
065			142 148	1,107 1,127	102 105	204 214	733 7 4 3	4,131 3,780	604 413	
964 963 962		689	154 154	1,134 1,097	109 110	217 222	745 724	3,713 3,439	414 479	9,91
961			160 171	1,118 1,145	114 124	229 250	7 4 5 773	3,382 3,308	495 485	
959 958 957	1,708	821	171 179 186	1,128 1,117 1,150	124 131 135	247 255 268	761 758 771	2,894 2,518 3,249	431 682 900	
.956			184	1,083	136	271	744	3,318	701	
1955		659	183 183 229	1,001 953 1,140	136 136 176	271 269 351	692 659 821	2,793 2,241 2,795	545 674 833	6,50
952	1,024 889		220 218	1,036 970	170 170	338 347	751 712	2,619 2,687	612 332	
950 949	1,142		208 208 208	850 820 726	162 167 165	330 336 354	624 614 543	2,139 1,744 1,991	332 474 400	
939 3	1,411 1,227 934				108 116		177 189	697 638		2,41
935 ⁴	928 835		124 103	187 141	105 90		143 113	471 395		
1981 1929	859 922 645		116	202	91 112 100		140 180 159	432 829 543		1,758 1,51
1925 1923	750 781		113 125	193 210	97 103		154 163	635 562		1,242 1,093
1921 1919	6 92 787		103 118	176 182	87 97		136 143	430 511		71
914	591 590		60 51	49 34	51 46		36 27	112 76		46
904 6 1899 6	376 308		39 31	23 16	36 29		19 14	57 37		
RUBBER AND PLASTICS PRODUCTS, N.E.C.										
1970			546 567	3,999 4,026	427 451	849 916	2,759 2,846	8,503 8,431	828 857	
	6,456	3,122	542 517 492	3,705 3,287 3,072	430 410 391	875 816 800	2,624 2,313 2,174	7,730 6,800 6,277	760 677 600	
1965			465	ì	369	747	1.985	5,681	516	
1964 1963 1962	5,728	2,449	430 415 398	2,814 2,457 2,364 2,250 2,019	341 329 314	696 659 637	1,799 1,672 1,585	4,991 4,654 4,316	399 344 354	3,54
960			371 378	2,019 1,998	288 296	577 590	1,402 1,400	3,916 3,778	283 299	
959 958 ⁷	4,562	1,827	379 348 260	1,968 1,723	300 271 205	600 531 403	1,406 1,211 954	3,793 3,277 2,462	214 197	
956			265	1,310 1,260	211	415	931	2,418	149 152	
955 954 953	1,406	753	265 247 270	1,257 1,059 1,140	213 196 219	437 377 432	947 776 866	2,377 1,954 2,021	127 128 127	2,21
952 951	730 743		255 253	1,042 963	206 207	409 415	786 735	1,744 1,729	127 114	
950 949	838		239 222	837 713	196 180	392 342	644 533	1,620 1,195	80 63	
947	872		258	781	214	424	613	1,300	110	

¹ Beginning 1954, excludes beehive and byproduct coke ovens.

² For 1947, excludes byproduct coke plants operated in conjunction with public utilities manufacturing and distributing gas, and includes establishments primarily engaged in shipping lubricants and greases made from animal and vegetable oils.

³ Prior to 1939, excludes byproduct coke ovens owned by city gas companies. In 1939, such ovens represented less than 2 percent of the total value of products for this commodity group.

⁴ For 1935, excludes a few establishments primarily engaged in blending and compounding lubricating oils.

⁵ Beginning 1929, excludes lubricants not elsewhere classified and paving mixtures and blocks. In 1929, these industries represented 4 percent of the production workers and 5 percent of the value added by manufacture for this commodity group.

⁶ For 1899 and 1904, excludes fuel briquets and roofing felts and coatings. In 1909 these industries represented 6 percent of the production workers and 9 percent of the value added by manufacture for this commodity group.

⁷ Beginning 1958, includes establishments engaged in molding plastics products for the trade and fabricating miscellaneous finished plastics products.

Series P 58-67. General Statistics for Manufacturing Industries, by Major Groups: 1899 to 1970—Con.

	Establis	hments	All emp	loyees	Pr	oduction worke	rs			Aggregate
Industry group and year	Total	With 20 employees or more	Number	Payroll	Number	Man-hours	Wages	Value added by manufacture	Capital expenditures, new	horsepower rating of power equipment 1
	58	59	60	61	62	63	64	65	66	67
	Number	Number	1,000	Mil. dol.	1,000	Millions	Mil. dol.	Mil. dol.	Mil. dol.	1,000
RUBBER AND PLASTICS PRODUCTS, N.E.C.—Con.						i				
1939 1937	695 578		150 150	227 216	121 130		161 171	406 369		989
1935	566		132	169	115		134	309		
1938	408 553		121	125	106 99		99 113	261 361		
1929	525		172	263	149		207	539		821
1927 1925 ²	516 530		169	259	142 142		198 191	565 539		791 660
1923 1921	529 596		160 125	281 171	138 103		182 124	457 327		606
1919	577		206	279			194	544		429
1914	342		89	60	159 74		44	138		199
1909	367 865		56 48	33 25	49 44		25 20	75 68		125 86
LEATHER AND LEATHER PRODUCTS	301		39	19	37		15	40		71
1970			296	1,526	261	480	1,184	2,820	63	
1969			327 334	1,593 1,582	291 298	538 561	1,252 1,253	2,898 2,912	64 79	
1968 1967 1966	3,685	1,967	329 341	1,459 1,426	293 803	549 574	1,147 1,125	2,627 2,481	62 62	
				,			ĺ			
1965 1964 1963			336 327	1,348 1,286 1,228	299 292	563 553	1,065 1,022	2,322 2,265 2,079	47 38	
1962	4,047	2,078	328 346	1,228 1,256	292 308	543 569	982 1,000	2,079 2,102	35 36	587
1961			351	1,225	312	568	^{'970}	2,041	35	
1960			358 363	1,227 1,246	817	582 601	972 993	2,044	85 34	
1958	4,549	2,227	349	1,146	324 310	566	912	2,121 1,898	32	
1957			362 367	1,157 1,149	323 329	590 607	939 939	1,892 1,882	32 37	
1955			366	1,102	880	613	896	1,778	37	
1954	4,845	2,267	357 375	1,027 1,099	321 338	587 630	834 987	1,641 1,711	28 25	505
1953 1952	5,012		361	1,016	324	605	834	1,597	19	
1951	4,883	-	354	945	318	576	768	1,475	22	
1950 1949	4,903		385 375	949 892	342 338	629 610	773 722	1,499 1,387	26 30	
1947 1939	5,308 3,505		383	874	349 327	677	725 294	1,533 583	31	461
1937	3,249				329		308	584		
1935	3,506		336	333	311		280	530		
1933	3,265 3,702		802	254	282 273		223 262	452 524		
1929 1927	4,285 4,372		351 350	444 444	319 316		360 365	774 781		436 420
1925			200		314		l			
1923 1923	4,352 4,981 4,827 6,428 6,798				846 280		355 390	751 797		413 413
1921 1919 1914	4,827 6,428		314 394	385 469 214	350		315 364	610 898		383 311
1914			341	ī	308		170	853		311
1909	5,785 5,476 5,785		340 284	191 141 117	311 266		156 121	825 246		
1899	5,785		284 265	117	250 250		102	187		

Prior to 1939, for rubber and plastics products, excludes plastics products.
 Beginning 1925, includes establishments primarily engaged in manufacture of rubber

cement and rubber toy balloons. In 1925, value added by manufacture on a basis comparable with prior years was \$537 million.

Series P 58-67. General Statistics for Manufacturing Industries, by Major Groups: 1899 to 1970—Con.

	Establis	hments	All empl	oyees	Pr	oduction worker	8			Aggregate
Industry group and year	Total	With 20 employees or more	Number	Payroll	Number	Man-hours	Wages	Value added by manufacture	Capital expenditures, new	horsepower rating of power equipment
-	58	59	60	61	62	63	64	65	66	67
	Number	Number	1,000	Mil. dol.	1,000	Millions	Mil. dol.	Mil. dol.	Mil. dol.	1,000
STONE, CLAY, AND GLASS PRODUCTS										
1970			591 608	4,531 4,440	470 484	951 987	3,321 3,257 2,971	9,786 9,851	920 908	
1968 1967 1966	15,580	4,911	590 590 616	4,065 3,826 3,838	469 469 488	951 948 999	2,971 2,784 2,812	9,212 8,333 8,495	734 821 940	
1965			605 581	3,602 3,369	480 459	981 949	2,640 2,447	7,996 7,493	773 627	
1964 1963 ¹ 1962	15,838	4,655	574 573 567	3,369 3,213 3,103 2,938	459 456 463 457	929 939 923	2,350 2,280 2,153	7,493 7,044 6,589 6,288	608 549 554	8,716
1960			581	2 950	474	960	2,187 2,199	6,370	541	
1959 1958 ¹ 1957 1956	15,047	4,484	596 553 526 536	2,939 2,586 2,355 2,345	488 446 437 450	981 884 869 911	2,199 1,935 1,803 1,815	6,504 5,333 4,980 5,036	557 489 656 725	
l l			525	2,178	442	899	1,703	4,637	461	
1955 1954 ¹ 1953 1952 1951	11,162 10,435		492 506 510 529	1,938 1,949 1,842 1,828	412 431 436 455	827 873 895 946	1,496 1,539 1,457 1,459	3,866 3,753 3,531 3,561	301 282 251 323	4,811
1950	10,700 9,707		491	1.530	418	863	1.220	3,138	222	
1949 1947 ¹ 1939 ¹	11,643 6,778		453 461 314	1,323 1,207 410	388 405 267	778 838	1,044 992 307	2,451 2,299 856	191 285	3,026
1937 ¹	6,114 5,846 4,757		331 265	420 293	297 235 175		346 228 144	860 600 404		
1931 1929 1927	6,549 8,788 8,574		372 390	548 575	234 331 348		250 436 463	616 1,054 1,023		
1925 1923	8,491		392 389	565 544	351 349		466 451	1,043 990		2,348 1,936
1921 1919 1914	8,209 8,227 12,326 14,793		282 331 405	544 377 397 249	251 295 335		305 324 206	605 680 379		
1909 1904 1899	16,207 10,744 11,571		372 305 243	224 171 116	344 286 230		190 149 102	352 271 185		
PRIMARY METAL INDUSTRIES										
1970			1,261 1,311	11,252 11,447	1,014 1,064	2,009 2,172	8,410 8,688	21,445 22,729	2,737 2,816	
1968		4,082	1,275 1,281 1,296	10,479 9,851 9,911	1,033 1,042 1,066	2,009 2,172 2,090 2,089 2,191	7,922 7,457 7,649	20,974 19,978 20,899	2,816 3,102 3,134 2,765	
1965			1,250 1,181	9,238 8,488	1,026 973	2,105 1,994	7,176 6,578	18,924 16,692	2,257 1,886	 -
1964	6,513	3,583	1,127 1,128 1,100	9,238 8,488 7,734 7,482 7,060	973 922 917 891	1,839 1,796 1,723	5,934 5,658 5,271	15,261 13,678 12,759	1,446 1,159 1,222	33,304
			1,175 1,144	7,215 7,057	957 9 4 7	1,837 1,830 1,670	5,424 5,354 4,696	13,283 13,578	1,615 1.076	
1960 1959 1958 1958 1957	6,447	3,412	1,092 1,272 1,319	7,215 7,057 6,281 7,019 6,893	883 1,053 1,110	1,670 2,057 2,195	4,696 5,440 5,444	11,542 13,320 13,848	1,076 1,544 2,150 1,651	
1955 1954 ²			1,274 1,152		1,076 967	2,192 1,866	5,117 4,105	12,963 9,772	977 910	25,546
1953 1952 1951	5,500 5,490		1,288 1,240 1,244	6,418 5,260 6,002 5,215 5,137	1,103 1,066 1,079	2,192 1,866 2,253 2,071 2,256	4,867 4,204 4,219	11,004 9,051 9,761	1,212 1,603 1,127	
1950 1949	5,322		1,016	4.158	978 868	2,009 1,702	3,400 2,770	7,951 5,710	548 568	
1947	5,465 3,512 3,245		1,158	3,465 3,602	1,012 672	2,054	2,770 2,983 978	5,733 2,169 2,520	592	12,670
1937 3	3,245				792		1,205	2,520		

¹ For 1939, 1947, and 1954, excludes establishments primarily engaged in producing ready-mixed concrete. In 1958, the value added in such establishments represented 12 percent of the total value added for this commodity group and, in 1937, less than 1 percent. The value added at quarries operated in conjunction with manufacturing establishments (including value added in producing mineral products consumed in the same establishment) was \$194 million in 1954, \$361 million in 1958, and \$321 million in 1968.

² Beginning 1954, includes beehive and byproduct coke ovens.

³ For 1937, includes establishments primarily engaged in producing certain nonferrous bearings and aluminum products (ship bunks, ornamental metal work, stampings, novelties, valves and fittings, machined castings and tags) and excludes establishments primarily engaged in making electrometallurgical products, nonferrous die castings and forgings, cast aluminum cooking ware, and in the heat treatment of steel. In 1939, value added by manufacture on a basis comparable with 1937 was \$2,131 million.

Series P 58-67. General Statistics for Manufacturing Industries, by Major Groups: 1899 to 1970—Con.

	Establis	hments	All emp	oyees	Pr	oduction worker	rs			Aggregate
Industry group and year	Total	With 20 employees or more	Number	Payroll	Number	Man-hours	Wages	Value added by manufacture	Capital expenditures, new	horsepower rating of power equipment
	58	59	60	61	62	63	64	65	66	67
FABRICATED METAL PRODUCTS	Number	Number	1,000	Mil. dol.	1,000	Millions	Mil. dol.	Mil. dol.	Mil. dol.	1,000
1970 1969 1968 1967	27,418	10,741	1,334 1,399 1,358 1,342 1,252	10,780 10,773 10,038 9,320 8,245	1,025 1,097 1,068 1,057 984	2,080 2,228 2,193 2,161 2,038	7,430 7,551 7,062 6,542	20,888 20,740 19,505 18,043	1,140 1,287 1,041 1,118 953	
1965 1964 1963 1963 1962			1,173 1,116 1,082	7,414 6,853 6,388 6,234 5,810	915 870 844 834	1,901 1,795 1,721	5,762 5,182 4,803 4,484 4,283	15,792 14,171 12,693 11,791 11,128 10,291	806 727 570 530	6,974
1961 1960 1959 1958 1958			1,050 1,086 1,089 1,061 1,114	5,889 5,805 5,425 5,383	803 836 843 815 880	1,629 1,699 1,714 1,609 1,751 1,774	3,953 4,038 4,004 3,734 3,803	10,331 10,488 9,440 9,544	416 484 505 464 528	
1955 1954 1953 1952	22,516	7,348	1,102 1,094 1,019 1,118 1,008	5,127 4,863 4,397 4,765 4,124	881 885 821 916 820	1,787 1,652 1,885 1,692	3,669 3,533 8,174 3,555 3,037 2,970	8,775 7,653 8,144 7,168	498 459 433 446 328 354	5,127
1950 1949 1947	17,552 17,975 16,877		1,035 989 872 973	3,988 3,404 2,884 2,834	858 807 710 823	1,765 1,658 1,429 1,695	2,524 2,088 2,189	7,139 6,211 4,834 4,920	317 231 305	
1939 1937 1 MACHINERY, EXCEPT ELECTRICAL	9,532 8,688				451 493		547 605	1,401 1,389		1,740
1970 1969 1968 1967	37,892	10,627	1,891 1,944 1,849 1,865 1,804	16,638 16,442 14,755 14,226 13,470	1,306 1,377 1,320 1,349 1,310	2,624 2,830 2,701 2,785 2,796	10,222 10,402 9,428 9,236 8,848	31,814 32,009 28,778 27,836 27,035	1,855 1,866 1,743 1,868 1,658	
965 964 963 962 961			1,653 1,539 1,459 1,451 1,382	11,742 10,607 9,571 9,202 8,405	1,196 1,109 1,045 1,035 984	2,515 2,327 2,151 2,101 1,961	7,660 6,892 6,209 5,825 5,248	22,762 20,302 17,311 16,106 14,240	1,228 939 783 718 658	8,64
960 959 958 957 956			1,426 1,414 1,350 1,707 1,717	8,482 8,203 7,314 9,050 8,897	1,014 1,022 956 1,266 1,308	2,045 2,062 1,856 2,573 2,717	5,398 5,310 4,654 6,061 6,156	14,410 14,582 12,414 15,978 16,176	701 607 670 1,038 888	
955 954 958 952		7,521	1,064 1,541 1,691 1,651 1,604	7,812 7,186 7,876 7,380 6,729	1,222 1,171 1,307 1,284 1,260	2,513 2,368 2,744 2,733 2,693	5,438 4,977 5,686 5,852 4,914	13,753 12,333 13,381 12,807 11,219	653 714 755 631	29,49
950 949 947	17,909 17,910		1,868 1,295 1,552	5,063 4,559 4,830	1,064 1,005 1,249	2,183 2,013 2,591	3,609 3,175 3,610	8,765 7,689 7,834	337 351 518	
939 937 ³	8,860 7,327				536 654		770 970	2,037 2,366		2,618

¹ For 1987, excludes establishments primarily engaged in producing lawn sprinklers, spun ware, nonferrous metal novelties, tackle blocks, aluminum ornamental work, aluminum stampings, and machine knives (except metalworking) and includes establishments primarily engaged in making caulking guns, toilet seats, brooders, cast aluminum cooking ware, and hair clippers. In 1939, value added by manufacture on a basis comparable with 1987 was \$1,340 million.

² Includes electrical machinery.

³ For 1937, includes establishments primarily engaged in manufacture of thermostats and gauges, heat treating of steel, machine knives, and tackle blocks, and excludes establishments primarily engaged in manufacture of vacuum cleaners, turbo-generators and water-wheel generator sets, hair clippers for animal use, brooders, nonferrous bearings, certain industrial furnaces and ovens, time-stamps and time-recording machines, citating machines, certain valves and fittings (except plumbers'), and caulking guns. In 1939, value added by manufacture on a basis comparable with 1937 was \$1,990 million.

SUMMARY DATA BY MAJOR GROUPS

Series P 58-67. General Statistics for Manufacturing Industries, by Major Groups: 1899 to 1970—Con.

	Establis	hments	All empl	loyees	Pr	oduction worker	8			Aggregate
Industry group and year	Total	With 20 employees or more	Number	Payroll	Number	Man-hours	Wages	Value added by manufacture	Capital expenditures, new	horsepower rating of power equipment
	58	59	60	61	62	63	64	65	66	67
ELECTRICAL EQUIPMENT AND SUPPLIES	Number	Number	1,000	Mil. dol.	1,000	Millions	Mil. dol.	Mil. dol.	Mil. dol.	1,000
1970 1969 1968 1967 1966	10,706	5,572	1,832 1,918 1,883 1,875 1,811	14,827 14,830 13,808 12,968 11,988	1,237 1,324 1,304 1,324 1,319	2,417 2,619 2,597 2,611 2,642	8,321 8,446 7,986 7,607 7,259	27,774 28,211 26,425 24,487 23,482	1,520 1,641 1,478 1,537 1,388	
1965 1964 1963 1962 1961	9,948	4,722	1,605 1,484 1,512 1,523 1,432	10,450 9,407 9,284 9,083 8,207	1,139 1,030 1,049 1,046 970	2,313 2,070 2,091 2,121 1,951	6,232 5,569 5,406 5,318 4,681	20,162 17,765 17,011 16,416 14,433	1,046 761 702 653 639	4,813
1960 1959 1958 ¹ 1957 1956	8,086	3,797	1,377 1,274 1,141 1,084 1,080	7,515 6,752 5,755 5,133 4,903	962 927 817 795 817	1,932 1,855 1,606 1,565 1,618	4,466 4,196 3,558 3,292 3,261	13,484 12,826 10,624 9,620 9,112	637 554 468 524 475	
1955 1954 1953 1952 1951	5,758	2,837	1,001 959 1,096 957 877	4,314 3,951 4,425 3,750 3,193	759 722 851 741 692	1,521 1,422 1,703 1,521 1,396	2,896 2,646 3,078 2,629 2,278	8,002 7,300 7,876 6,873 5,753	335 341 406 296	(2)
1950 1949 1947 ³ 1939 ⁴	3,970 1,979 1,597		766 663 796	2,533 2,145 2,258	610 506 635 248 306	1,221 1,026 1,278	1,800 1,460 1,637 323 408	4,815 3,902 3,860 941 1,102	195 187 225	1,019
1935 ⁵ 1933	1,589 1,365 1,596 1,861 1,837		275 202 421 322	348 212 650 509	224 164 217 343 256		241 145 240 474 356	686 404 763 1,389 1,049		
1925 1923 1921 1919 1914	1,807 1,782 1,487 1,570 1,048		309 332 240 305 156	463 474 339 379 118	251 255 179 241 128		338 330 216 272 80	940 806 547 672 201		589 480
1909 7 1904 1899 TRANSPORTATION	1,027 798 592		111 75 49	73 45 26	93 64 43		52 34 21	121 80 44		158 102 41
EQUIPMENT 1970 1969 1968 1967 1966	7.483	8,354	1,689 1,920 1,888 1,834 1,830	16,073 17,651 16,811 15,174 14,852	1,201 1,398 1,377 1,337 1,355	2,398 2,823 2,893 2,746 2,844	10,230 11,455 11,135 9,918 9,858	29,990 34,053 32,866 28,174 28,277	1,612 1,943 1,599 1,822 1,880	
1965	7,180	2,852	1,684 1,568 1,551 1,601 1,506	13,273 11,887 11,406 11,334 10,113	1,241 1,120 1,108 1,129 1,056	2,640 2,370 2,356 2,367 2,157	8,813 7,772 7,389 7,169 6,313	26,381 22,734 21,854 20,872 17,433	1,506 1,177 981 856 720	10,699
1960 1959 1958 ⁸ 1957 1956		2,674	1,593 1,615 1,562 1,901 1,793	10,360 10,254 9,186 10,491 9,707	1,161 1,172 1,139 1,402 1,358	2,393 2,454 2,275 2,845 2,793	6,842 6,696 6,087 7,178 6,748	18,369 18,084 15,315 18,492 16,633	731 723 630 723 1,142	
1955 1954 1953 1952 1951		2,318	1,813 1,706 1,912 1,650 1,469	9,407 8,300 8,987 7,423 6,067	1,418 1,328 1,530 1,317 1,200	2,959 2,711 3,155 2,750 2,448	6,843 6,006 6,731 5,585 4,672	17,071 13,428 14,534 12,042 9,789	1,437 925 710 600	9,041
1950 1949 1947 1939 1937 3	2,780 3,703 2,012 1,958		1,218 1,140 1,175	4,680 4,098 3,695	1,006 936 981 545 662	2,060 1,873 1,961	3,657 3,163 2,921 867 1,029	8,547 7,054 5,842 1,773 1,987	343 264 353	2,926

¹Beginning 1958, includes establishments primarily engaged in manufacture of household refrigerators and home and farm freezers; household laundry equipment and sewing machines; water heaters, except electric; and other household appliances. Excludes those primarily engaged in manufacture of hearing aids; high frequency, induction, and dielectric heating apparatus; commercial food warming equipment; industrial electric heating units and devices; and insulated wire and cable made from purchased wire. ² Included with machinery, except electrical. ³ Beginning 1947, includes establishments primarily engaged in manufacture of electric (dry) shavers. ⁴ Beginning 1939, excludes establishments primarily engaged in manufacture of vacuum cleaners, turbo-generators and water-wheel generator sets, dictating machines and electric industrial furnaces and ovens. In 1939, value added by manufacture on a basis comparable with prior years was \$1,000 million.

^{*}Beginning 1935, excludes establishments primarily engaged in manufacture of certain types of beauty and barber shop equipment.

*Beginning 1927, excludes establishments primarily engaged in manufacture of certain types of mechanical refrigerators.

*Beginning 1909, excludes establishments primarily engaged in manufacture of signs and advertising novelties.

*Beginning 1958, includes establishments primarily engaged in manufacture of truck and bus bearings, convertible tops for automobiles, rebuilt automotive parts, and aircraft and related engine and power take-off gears and excludes those primarily engaged in manufacture of parachutes.

*For 1937, includes railroad repair shops. In 1939, value added by manufacture on a basis comparable with 1937 was \$1,794 million.

Series P 58-67. General Statistics for Manufacturing Industries, by Major Groups: 1899 to 1970—Con.

j	Establis	hments	All emp	loyees	Pr	oduction worker	·s			Aggregate
Industry group and year	Total	With 20 employees or more	Number	Payroll	Number	Man-hours	Wages	Value added by manufacture	Capital expenditures, new	horsepower rating of power equipment
-	58	59	60	61	62	63	64	65	66	67
	Number	Number	1,000	Mil. dol.	1,000	Millions	Mil. dol.	Mil. dol.	Mil. dol.	1,000
INSTRUMENTS AND RELATED PRODUCTS										·
970			405	3,358	262	502	1,746	7,905	436	
969 968			413 400	3,272 3,002	271 266	535 525	1,757 1,625	7,676 7,174	388 397	
968 967 966	4,453	1,614	394 362	2,822 2,509	266 249	530 494	1,569 1,426	6,418 5,833	392 307	
965			329	2,228	226	452	1,275	5,002	232	
964	3.949	1.343	308 306	2,014 1,913	209 208	421 417	1,149 1,101	4,314 3,992	192 192	
962 961			308 316	1,871 1,908	206 208	416 415	1,051 1,037	3,690 3,574	178 179	860
			326	1,908	217	437	1,067	3,641	162	
960 959 958 ¹			311	1,783	214	432	1,033	3,410 2,781	145	
957	3,518	1,189	286 307	1,510 1,571	197 211	390 428	[*] 898 947	2,781 2,872	115 146	
956			297	1,458	211	426	897	2,690	145	
955 954 ²	3,141	984	283 273	1,295 1,200	202 196	406 391	814 760	2,367 2,131	106 94	667
953			286	1,233	212	434	824	2,169	90	
952 951	2,686		279 253	1,179 1,001	205 190	420 390	779 671	1,995 1,608	85	
950	2,697		226	813	169	342	532	1,389	64	
949 947 ²			205 245	683 706	156 194	306 390	447 502	1,123 1,141	58 56	
939 3	2,605 1,292				85		108	333		16
937 4	1,026				84		113	298		
935 5	1,000 830		84	108	68 50		74 46	200 142		
931 929 6	1,029 1,109		98	149	60 82		66 108	201 301		
927	1,108				79		103	274		
925 8	1,286		88	124	73		91	263		
923	1,593 1,592		93 83	127 109	77 67		92 78	245 189		
919 914 ⁹	2,037 1,572		109 71	125 50	91 60		93 36	236 98		
909	1,239		'-	00	51		28	73		
904	1,027		46	26	42		21	46		
MISCELLANEOUS MANUFACTURING INDUSTRIES	1,101		35	18	32		15	32		
970 969			429	2,685	337	643	1,752	5,433	253	
			449 431	2,665 2,461	363 349	690 669	1,796 1,667	5,296 4,951	240 209	
967 966	14,072	3,845	423 418	2,291 2,150	344 340	662 666	1,553 1,463	4,599 4,338	214 181	
965			1				•			
964			416 394	2,042 1,924	340 315	661 631	1,393 1,314	4,092 3,763	166 137	
963 962	14,723	3,618	391 378	1,812 1,705	315 305	613 597	1,254 1,163	3,562 3,330	131 130	10 2, 21
961			375	1,608	303	585	1,097	3,082	113	-
960 959			374 376	1,655	301 305	588 591	1,091	3,003	111 124	
958 11	13,797	3,336	365	1,556 1,467	291	559	1,084 1,034	2,888 2,678	111	
957			495 506	1,886 1,861	403 417	776 814	1,313 1,324	3,327 3,305	122 158	
955 12			489	1,734	404	783	1,225	3,042	117	
954 953	16,517	4,289	467 844	1,625 3,232	385 686	748 1,368	1,149 2,366	2,746 5,272	115 205	2,03
952	14,572		682	2,375	564	1,102	1,731	3,984	155	
951	15,057		519	1,711	432	862	1,233	2,842		-
950			488 447	1,452 1,263	404 370	800 1 728	1,055 917	2,534 2,109	98 77	
947	14,148		463	1,205	396	811	918	2,066	107	

¹Beginning 1958, includes establishments primarily engaged in manufacture of laboratory precision balances, laboratory furniture, revolution counters, operating room and other hospital furniture, surgical corsets, and hearing aids and excludes those primarily engaged in manufacture of sanitary napkins and tampons.
² For 1947 and 1954–1970, includes establishments primarily engaged in manufacture of automatic temperature controls.
³ Beginning 1939, includes establishments primarily engaged in manufacture of thermostats and gauges and excludes those primarily engaged in manufacture of thermostats and gauges and excludes those primarily engaged in manufacture of timerecording stamps and machines. In 1939, value added on a basis comparable with prior years was \$314 million.
⁴ Beginning 1937, includes establishments primarily engaged in manufacture of certain mechanical measuring instruments. In 1937, value added by manufacture on a basis comparable with prior years was \$295 million.
⁴ Beginning 1935, includes establishments primarily engaged in manufacture of certain dental equipment and supplies (chairs, cabinets, and electrical devices).

⁶ Beginning 1929, excludes establishments primarily engaged in manufacture of gas machines. In 1929, value added by manufacture on a basis comparable with prior years was \$306 million.
7 Beginning 1927, excludes dental laboratories operating on a custom basis. In 1927, value added by manufacture on a basis comparable with prior years was \$280 million.
8 Beginning 1925, excludes establishments primarily engaged in grinding lenses for spectacles and eyeglasses to individual prescription.
9 Beginning 1914, includes establishments primarily engaged in manufacture of motion-picture machines. In 1914, value added by manufacture on a basis comparable with prior years was \$96 million.
10 Includes ordnance.
11 Beginning 1958, excludes establishments primarily engaged in manufacture of plastics products not elsewhere classified, cork products, soda-fountain and bar equipment, and jewelry, instrument, and musical instrument cases and includes those primarily engaged in manufacture of linoleum and other hard surface floor covering, n.e.c.
12 Prior to 1955, includes ordnance and accessories.

POWER EQUIPMENT AND SHIPMENTS

Series P 68-73. Horsepower of Power Equipment in Manufacturing Industries: 1869 to 1962 [In thousands]

			E	lectric moto	rs					E	lectric moto	rs	
Year	Aggregate	Prime movers	Total	Driven by purchased energy	Driven by energy generated at estab- lishment	Aggregate per 100 production workers	Year	Aggregate	Prime movers	Total	Driven by purchased energy	Driven by energy generated at estab- lishment	Aggregate per 100 production workers
	68	69	70	71	72	73		68	69	70	71	72	73
1962 1954 *	151,498 108,100 49,893 41,122 37,126 34,359 28,397 21,565	45,770 35,763 21,077 19,328 18,902 19,243 19,432 17,858	126,783 91,505 44,827 33,844 29,153 25,092 15,612 8,392	105,728 72,337 28,816 21,794 18,224 15,116 8,965 3,707	21,054 19,168 16,011 12,050 10,929 9,976 6,647 4,684	11,249 958 652 491 473 437 333 326	1909	18,062 13,033 9,811 10,988	16,393 12,605 9,633 10,805 5,939 3,410 2,346	4,582 1,517 475 494 15	1,669 428 178 183	2,913 1,089 297 311	288 252 218 207 140 125 114

Series P 74-92. Value of Manufacturers' Shipments, Inventories, and Orders: 1947 to 1970

[In billions of dollars, except ratios. As of December 31, except shipments are for calendar year]

	s	Shipment	Es					Inven	tories					N	lew order	rs	Un	filled ord	ers
								s of inver to sales		In	ventories of fabr	s by stag ication	es						
Year	Total	Dura- ble goods	Non- dura- ble	Total	Dura- ble goods	Non- dura- ble					All manu	facturing	:	Total	Dura- ble goods	Non- dura- ble	Total	Dura- ble goods	Non- dura- ble
		indus- tries	goods indus- tries		indus- tries	goods indus- tries	Total	Dura- ble goods	Non- dura- ble goods	Total	Mate- rials and sup- plies	Work in proc- ess	Fin- ished goods		indus- tries	goods indus- tries		indus- tries	goods indus- tries
	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92
1970 1969 1968 1967 1966	630.7 642.7 603.4 557.4 538.4	336.7 353.5 332.3 302.5 295.6	294.0 289.2 271.1 254.8 242.8	101.4 96.6 90.5 84.4 77.7	66.4 62.9 58.7 54.6 49.5	34.9 33.8 31.8 29.8 28.2	1.90 1.76 1.76 1.77 1.73	2.33 2.08 2.11 2.10 2.01	1.40 1.36 1.34 1.37 1.39	101.4 96.6 90.5 84.4 77.7	32.7 31.8 30.0 28.5 27.0	35.2 33.9 32.0 29.1 25.9	33.6 30.9 28.4 26.8 24.8	620.0 643.7 606.1 561.2 550.9	325.9 354.6 335.0 306.3 308.3	294.0 289.2 271.0 254.9 242.7	73.8 84.5 85.4 83.9 79.8	70.8 81.6 82.4 80.9 76.7	2.9 2.9 2.9 3.0 3.0
1965 1964 1963 1962 1961	492.0 448.0 420.4 397.4 371.0	267.0 236.0 219.0 205.2 187.0	225.5 212.4 201.4 192.1 184.2	68.0 63.0 60.0 58.0 55.0	42.0 38.0 36.0 34.3 32.2	26.0 25.0 24.3 24.0 23.0	1.66 1.69 1.71 1.75 1.77	1.89 1.94 1.95 1.97 2.08	1.39 1.42 1.45 1.46 1.47	68.0 63.0 60.0 58.0 55.0	24.1 22.4 21.3 21.0 20.1	22.0 19.5 18.1 17.1 16.0	22.3 21.3 20.4 20.0 19.0	502.0 455.4 424.0 396.1 373.0	276.0 243.1 222.3 204.3 188.4	226.0 212.3 202.0 191.8 184.4	67.2 58.0 50.2 47.0 48.0	64.0 55.0 47.3 44.0 45.0	3.1 3.0 3.0 3.0 3.0
1960 * 1959 1958 1 9 57 1956	370.0 363.0 327.4 345.0 333.0	190.0 187.0 163.0 183.0 177.0	180.0 176.1 164.5 162.0 156.3	54.0 52.5 50.0 52.0 51.0	32.0 31.5 30.0 32.0 30.4	22.0 21.0 20.1 20.3 20.3	1.74 1.74 1.83 1.81 1.83	2.02 2.02 2.20 2.07 2.07	1.44 1.43 1.47 1.50 1.56	54.0 52.5 50.0 52.0 51.0	20.0 20.0 19.0 20.0 20.0	15.5 16.0 15.0 16.0 15.0	18.3 17.0 16.1 17.0 16.0	361.4 368.1 323.0 330.2 341.0	183.0 191.4 158.0 169.0 185.0	179.0 177.0 165.0 161.3 156.0	46.0 54.1 49.0 53.3 67.5	43.2 50.4 46.0 50.5 64.1	3.0 4.0 3.1 2.8 3.4
1955 1954 1953 1952 1951	318.0 280.2 298.0 271.0 260.4	169.0 142.0 160.0 136.1 126.0	149.0 138.3 138.0 135.0 135.0	45.2 42.0 44.2 42.0 39.2	26.4 24.0 26.0 24.0 21.1	19.0 18.0 18.2 18.0 18.0	1.71 1.80 1.79 1.84 1.80	1.88 2.01 1.95 2.11 2.01	1.51 1.57 1.59 1.57 1.60	45.2 42.0 44.2 42.0 39.2	18.2 16.5 17.8 17.0 16.0	13.2 12.1 13.1 12.3 11.0	14.0 13.3 13.4 12.6 12.4	329.1 267.8 282.4 278.4 287.0	179.4 129.0 145.8 145.0 154.1	150.0 139.0 137.1 134.0 133.0	60.0 48.2 60.3 75.5 67.0	56.4 45.2 58.0 72.3 63.1	4.0 3.0 2.5 3.2 4.0
1950 1949 1948 1947	223.4 193.1 217.3 186.0	106.0 86.0 100.0 80.2	117.4 107.1 117.2 106.0	32.0 26.5 29.0 26.1	16.0 13.1 15.0 13.1	16.0 13.4 14.1 13.0	1.70 1.65 1.59 1.69	1.77 1.83 1.77 1.96	1.62 1.50 1.44 1.47	32.0 26.5 29.0 26.1	13.1 10.3	9.0 6.8	10.0 9.4	241.3 187.4 212.3 183.1	122.0 80.0 98.0 77.0	119.3 108.0 115.0 106.4	41.2 24.0 31.0 34.3	35.2 20.0 26.5 28.4	6.0 4.4 4.1 6.0

^{*} Denotes first year for which figures include Alaska and Hawaii.

² Includes hand trades and neighborhood industries.

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ Figure comparable with 1954, based on 1954 industry coverage (see text), is 1,365.
Figures for earlier censuses are comparable with 1962, except as noted in text.

¹ Ratios of average inventories to average monthly sales.

Series P 93-106. Manufacturing Corporations—Sales, Profits, and Stockholders' Equity: 1947 to 1970
[In billions of dollars]

		All n	nanufacturi	ng corpora	tions	ĺ	Ε	urable goo	ds industri	es	No	ndurable go	ods indust	ries
		Net p	rofits					Net p	profits			Net p	rofits	
Year	Sales (net)	Before Federal income taxes	After Federal income taxes	Stock- holders' equity ¹	Cash divi- dends	Re- tained earnings	Sales (net)	Before Federal income taxes	After Federal income taxes	Stock- holders' equity 1	Sales (net)	Before Federal income taxes	After Federal income taxes	Stock- holders' equity 1
	93	94	95	96	97	98	99	100	101	102	103	104	105	106
1970	708.8	48.1	28.6	306.8	15.1	13.5	363.1	23.0	12.9	155.1	345.7	25.2	15.7	151.7
	694.6	58.1	33.2	289.9	15.1	18.2	366.5	31.5	16.9	147.6	328.1	26.6	16.4	142.8
	631.9	55.4	32.1	265.9	14.2	17.9	335.5	30.6	16.5	135.6	296.4	24.8	15.5	180.8
	575.4	47.8	29.0	247.6	13.8	15.7	300.6	25.7	14.6	125.0	274.8	22.0	14.4	122.6
	554.2	51.8	30.9	230.3	13.0	18.0	291.7	29.2	16.4	115.2	262.4	22.6	14.6	115.1
1965	492.2	46.5	27.5	211.7	12.0	15.5	257.0	26.2	14.5	105.4	235.2	20.3	13.0	106.3
	443.1	39.6	28.2	199.8	10.8	12.4	226.3	21.2	11.6	98.5	216.8	18.3	11.6	101.3
	412.7	34.9	19.5	189.7	9.9	9.6	209.0	18.5	9.5	93.3	203.6	16.4	10.0	96.3
	389.9	31.9	17.7	181.4	9.3	8.4	195.5	16.7	8.6	89.1	194.4	15.1	9.2	92.3
	356.4	27.5	15.8	172.6	8.6	6.8	175.2	13.6	6.9	84.9	181.2	13.9	8.5	87.7
1960	345.7	27.5	15.2	165.4	8.3	6.9	173.9	14.0	7.0	82.3	171.8	13.5	8.2	83.1
1959	338.0	29.7	16.3	157.1	7.9	8.4	169.4	15.8	8.1	77.9	168.5	13.9	8.3	79.2
1958	305.3	22.7	12.7	147.4	7.4	5.3	148.6	11.4	5.8	72.8	156.7	11.3	6.9	74.6
1957	320.0	28.2	15.4	141.1	7.6	7.9	166.0	15.8	7.9	70.5	154.1	12.4	7.5	70.6
1957	807.3	29.8	16.2	131.6	7.4	8.8	159.5	16.5	8.3	65.2	147.8	13.2	7.8	66.4
1955	278.4	28.6	15.1	120.1	6.8	8.3	142.1	16.5	8.1	58.8	136.3	12.1	7.0	61.8
1954	248.5	20.9	11.2	113.1	5.9	5.3	122.8	11.4	5.6	54.9	125.7	9.6	5.6	58.2
1953	265.9	24.4	11.3	108.2	5.6	5.7	187.9	14.0	5.8	52.4	128.0	10.4	5.5	55.7
1952	250.2	22.9	10.7	103.7	5.5	5.2	122.0	12.9	5.5	49.8	128.0	10.0	5.2	53.9
1951	245.0	27.4	11.9	98.3	5.5	6.3	116.8	15.4	6.1	47.2	128.1	12.1	5.7	51.1
1950	181.9	28.2	12.9	83.3	5.7	7.2	86.8	12.9	6.7	39.9	95.1	10.3	6.1	43.5
1949	154.9	14.4	9.0	77.6	4.5	4.5	70.3	7.5	4.5	87.0	84.6	7.0	4.6	40.6
1948	165.6	18.4	11.5	72.2	4.3	7.2	75.3	8.9	5.4	34.1	90.4	9.5	6.2	38.1
1947	150.7	16.6	10.1	65.1	3.7	6.4	66.6	7.6	4.5	31.1	84.1	9.0	5.6	34.0

¹ Annual data are average equity for the year (using four end-of-quarter figures).

Series P 107-122. Capital in Manufacturing Industries: 1863 to 1970
[In billions of dollars]

		Purchase	s of struct	ures and e	equipment		Γ	epreciatio	n on stru	ctures and	equipme	nt	Rea	al net valu 1958 d	ie of asset dollars	s in
	In c	urrent do	llars	In	1958 doll	ars	Inc	current do	llars	In	1958 doll	ars	Struc-			Govern- ment
Year	Total	Struc- tures	Equip- ment	Total	Struc- tures	Equip- ment	Total	Struc- tures	Equip- ment	Total	Struc- tures	Equip- ment	tures and equip- ment	Struc- tures	Equip- ment	owned, pri- vately oper- ated 1
	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122
1970	22.4 22.5 20.9 21.7 20.4	5.7 5.8 5.3 5.7 5.2	16.6 16.7 15.6 16.0 15.2	17.0 18.1 17.5 18.7 18.2	8.8 4.2 4.2 4.7 4.4	13.3 14.0 13.4 14.0 13.7	18.2 16.4 14.9 13.6 12.4	4.8 4.3 3.8 3.6 3.3	13.8 12.1 11.0 10.1 9.0	13.7 13.1 12.4 11.7 11.0	3.1 3.0 2.9 2.8	10.6 10.0 9.4 8.8 8.2	101.5 99.2 95.2 91.3 85.4	38.8 38.2 37.1 36.0 34.3	62.7 61.0 58.1 55.3 51.1	5.2 5.8 6.2 6.4 6.4
1965 1964 1963 1962 1961	16.7 13.4 11.5 10.6 9.9	4.2 3.2 3.0 2.7 2.7	12.6 10.2 8.5 7.9 7.2	15.4 12.6 11.0 10.2 9.6	3.7 3.0 2.8 2.6 2.7	11.7 9.7 8.2 7.6 7.0	11.3 10.6 10.2 9.9 9.6	8.1 8.0 2.8 2.7 2.7	8.2 7.7 7.3 7.2 7.0	10.3 9.9 9.6 9.4 9.3	2.7 2.7 2.6 2.6 2.6	7.6 7.3 7.0 6.8 6.7	79.0 74.5 72.2 71.2 70.7	82.7 81.8 81.6 81.4 31.5	46.2 42.7 40.7 89.8 39.3	6.3 6.4 6.5 6.8 7.1
1960*	9.7 12.3 11.4	2.8 2.5 3.3 8.9 3.5	7.4 6.6 6.5 8.4 7.9	10.0 8.8 9.7 12.5 12.3	2.8 2.4 3.3 3.9 8.7	7.2 6.4 6.5 8.6 8.6	9.4 9.1 8.8 8.3 7.4	2.6 2.6 2.5 2.4 2.2	6.8 6.6 6.3 5.9 5.2	9.1 8.9 8.8 8.5 8.1	2.5 2.5 2.5 2.4 2.4	6.6 6.4 6.3 6.1 5.7	70.6 70.1 70.9 70.8 67.8	31.3 31.2 31.4 30.9 29.7	39.3 39.0 39.5 39.9 38.1	7.4 8.0 8.7 9.4 10.0
1955 1954 1953 1952 1951	8.6 8.5 8.4 8.0 8.0	2.4 2.5 2.6 2.6 2.6	6.2 6.0 5.8 5.5 5.4	10.0 10.1 10.0 9.8 9.9	2.8 2.9 3.0 3.0 8.1	7.1 7.2 7.1 6.8 6.8	6.5 6.1 5.8 5.4 5.0	2.0 1.9 1.9 1.9 1.8	4.6 4.2 3.9 3.5 3.2	7.7 7.4 7.0 6.7 6.3	2.3 2.3 2.2 2.2 2.2	5.4 5.1 4.8 4.5 4.1	64.5 62.8 61.0 58.9 56.8	28.7 28.1 27.8 27.3 26.8	35.8 34.7 33.2 31.6 30.0	10.3 10.1 9.3 8.7 8.7
1950 1949 1948 1947 1946	5.6 5.6 6.8 6.7 5.2	1.5 1.7 2.2 2.4 2.4	4.0 3.9 4.6 4.3 2.8	7.5 7.8 9.9 10.6 9.5	2.1 2.4 3.0 3.6 4.4	5.5 5.4 6.8 6.9 5.1	4.3 3.9 3.6 8.0 2.4	1.6 1.6 1.6 1.4 1.1	2.7 2.4 2.0 1.6 1.3	6.0 5.7 5.3 4.8 4.4	2.2 2.2 2.1 2.1 2.0	3.8 3.5 3.2 2.8 2.4	53.9 52.8 50.9 45.9 38.7	26.0 25.9 25.2 23.2 20.6	27.9 26.9 25.8 22.6 18.1	8.8 9.7 11.4 14.3 18.0

² Beginning 1969, includes newspapers.

CAPITAL P 107-122

Series P 107-122. Capital in Manufacturing Industries: 1863 to 1970—Con.
[In billions of dollars]

		Purchases	of struct	ures and e	equipment	:	Г	epreciatio	n on stru	ctures and	equipme	nt	Rea	ıl net valu 1958 d	ie of asset dollars	s in
	Inc	urrent do	llars	In	1958 doll	ars	In o	urrent do	lars	In	1958 doll	ars	Struc-			Govern- ment
Year	Total	Struc- tures	Equip- ment	Total	Struc- tures	Equip- ment	Total	Struc- tures	Equip- ment	Total	Struc- tures	Equip- ment	tures and equip- ment	Struc- tures	Equip- ment	owned, pri- vately oper- ated ¹
	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122
1945 1944 1943 1942 1941	2.9 1.7 1.4 1.7 2.6	0.8 .3 .2 .5	2.1 1.5 1.2 1.2 1.6	5.5 3.2 2.5 3.3 6.0	1.7 .6 .4 1.1 2.9	3.7 2.6 2.1 2.2 3.1	2.0 1.9 1.9 1.9	.9 .9 .9	1.1 1.1 1.0 1.0	4.1 4.1 4.1 4.2 4.2	1.9 2.0 2.1 2.1 2.1	2.2 2.1 2.1 2.1 2.0	31.7 29.9 30.5 31.9 32.7	16.6 16.3 17.4 18.8 19.5	15.1 13.6 13.1 13.2 13.2	22.8 23.5 22.2 16.0 5.0
1940	1.9 1.3 1.1 1.8 1.3	.7 .4 .4 .7 .4	1.3 .9 .8 1.1	4.7 3.5 2.9 4.7 3.7	2.0 1.4 1.1 2.1 1.4	2.8 2.1 1.8 2.6 2.3	1.6 1.5 1.6 1.5	.7 .7 .7 .7 .6	.9 .8 .9 .8	4.1 4.1 4.2 4.2 4.2	2.1 2.1 2.2 2.2 2.2	2.0 2.0 2.0 2.0 2.0	30.7 29.8 30.1 31.0 30.1	18.5 18.3 18.7 19.4 19.2	12.2 11.5 11.4 11.6 10.9	1.0 - - - -
1935 1934 1933 1932 1931	.9 .8 .6 .4	.2 .3 .3 .1	.6 .5 .3 .3	2.6 2.3 2.2 1.4 2.8	.9 1.1 1.1 .5 1.3	1.7 1.2 1.0 .9 1.6	1.4 1.4 1.3 1.3	.6 .6 .6 .7	.7 .8 .7 .8 .8	4.2 4.3 4.4 4.5 4.6	2.3 2.8 2.3 2.4 2.4	1.9 2.0 2.1 2.1 2.2	30.2 31.4 33.0 34.9 37.8	19.7 20.7 21.7 22.7 24.4	10.5 10.7 11.3 12.2 13.4	_ _ _ _ _
1930 1929 1928 1927 1926	1.7 2.7 2.3 2.1 2.2 1.8	.8 1.5 1.2 1.1 1.1	.9 1.2 1.1 1.0 1.1	4.8 7.3 6.3 5.7 6.0 4.8	2.7 4.4 3.7 3.2 3.3 2.3	2.1 2.8 2.6 2.4 2.7 2.5	1.6 1.7 1.7 1.6 1.6	.8 .8 .7 .7	.9 .9 .9 .8	4.7 4.6 4.4 4.3 4.2 4.0	2.4 2.4 2.3 2.2 2.2 2.1	2.2 2.2 2.1 2.1 2.0 1.9	39.6 39.6 37.2 35.5 34.4 32.7	25.5 25.3 23.3 22.0 21.1 20.0	14.1 14.3 13.9 13.5 13.3 12.8	- - - -

		Purchas	ses of structu	res and equ	ipment				Purchas	es of structi	res and equ	ipment	
Year	In	current dolla	ars	Ir	1958 dolla	rs	Year	In	current dolla	ırs	Ir	ı 1958 dollar	s
	Total	Struc- tures	Equip- ment	Total	Struc- tures	Equip- ment		Total	Struc- tures	Equip- ment	Total	Struc- tures	Equip- ment
	107	108	109	110	111	112		107	108	109	110	111	112
1924 1923 1922 1921	1.6 1.8 1.4 1.4	0.7 .9 .7 .8	0.9 1.0 .7 .6	4.2 4.9 4.2 3.9	2.1 2.5 2.4 2.5	2.1 2.4 1.8 1.4	1893 1892 1891	0.3 .3 .3	0.2 .2 .2	0.1 .1 .1	2.2 2.2 2.2	1.5 1.5 1.4	0.7 .8 .7
1920 1919 1918 1917 1916	2.4 1.6 1.4 1.3	1.4 .7 .5 .5	1.1 .9 .9 .7	5.4 3.9 3.6 4.1 4.0	3.1 2.0 1.6 1.8 2.0	2.3 1.9 2.1 2.3 2.0	1890	.3 .2 .2 .2 .1	.1 .1 .1 .1	.1 .1 .1 .1	2.0 1.6 1.1 1.0 .7	1.3 1.0 .6 .5	.6 .6 .4 .3
1915 1914 1913 1912 1911	.6 .6 .9 .9	.3 .3 .5 .5	.3 .3 .4 .3	3.1 3.4 4.6 4.6 3.9	1.7 2.1 2.9 3.1 2.6	1.3 1.3 1.7 1.5	1885	.1 .1 .1 .2 .2	.1 .1 .1 .1	(Z) .1 .1 .1 .1	.7 .9 .8 .9	.5 .6 .5 .5	.2 .3 .3 .4 .4
1910 1909 1908 1907 1906	.7 .7 .5 .7	.4 .4 .3 .3	.3 .3 .2 .3	4.1 3.7 3.2 3.7 3.6	2.5 2.4 2.0 2.0	1.5 1.3 1.1 1.7 1.7	1880 1879 1878 1877 1876	.1 .1 .1 .1	(Z) (Z) (Z) (Z) (Z)		.4 .4 .3 .3	.2 .2 .2 .2	.2 .2 .2 .1 .1
1905 1904 1903 1902	.5 .5 .6	.3 .2 .3 .3 .2	.3 .2 .3 .2	3.0 2.7 3.7 3.5 2.6	1.6 1.6 2.2 2.3 1.5	1.4 1.1 1.5 1.2	1875 1874 1873 1872 1871	(Z) .1 .1 .1	(Z) (Z) 1.1 (Z) (Z)	(Z) (Z) (Z) (Z) (Z)	.2 .4 .4 .4 .4	.2 .3 .4 .3	(Z) (Z) .1 .1 .1
1900	.4 .3 .3 .3	.2 .2 .2 .2 .2	.2 .2 .1 .1	2.3 2.2 2.1 2.7 3.1	1.3 1.3 1.4 2.1 2.1	1.1 .8 .7 .7	1870 1869 1868 1867 1866	.1 (Z) (Z) (Z)	(Z) (Z) (Z) (Z) (Z)	(Z) (Z) (Z) (Z) (Z)	.4 .3 .2 .2 .2	.4 .3 .2 .2	(Z) (Z) (Z) (Z) (Z)
1895 1894	.3	.2	.1	2.5 2.0	1.6 1.4	.8 .6	1865 1864 1863	(Z) (Z) (Z)	(Z) - -	(Z) (Z) (Z)	(Z) (Z)	.1 _ _	(Z) (Z) (Z)

 ^{*} Denotes first year for which figures include Alaska and Hawaii.
 Represents zero.
 Z Less than \$50 million.

¹ Includes both structures and equipment, all agencies.

P 123-176 MANUFACTURES

Series P 123-176. Capital in Manufacturing Industries, in Book Value and in 1929 Dollars (Creamer): 1879 to 1957
[In millions of dollars]

Series No.	Industry	1957 128	1953 128	1948 12	1987 1	1929 1	1919 4	1914 4	1909 4	1904 4	1899 4	1899 6	1889 5	1879 6
	BOOK VALUE													
123	Total manufacturing capital	214,613	166,224	113,617	50,166	59,072	40,289	20,784	16,937	11,588	8,168	8,663	5,697	2,718
124	Fixed capital Working capital	97,210	70,605	45,891	23,282	27,410	(NA) (NA)	(NA)	(NA) (NA)	5,596	(NA)	4,223	2,646	
125			95,619	67,726	26,884	31,662	(NA)	(NA)	(NA)	5,992	(NA)	4,440	3,051	
126 127	Food and kindred products Bakery and confectionery	22,495	19,921	16,071 1,757	8,069 1.131	8,881 1,568	6,272 911	3,668 426	2,935 295	2,230 173	1,576 114	1, 647 123	925 72	498 28
128	Canned products			1,757 1,681	1,131 820	853	378	172	295 119	90	59	59	25	1 9
129 130	Mill products			1,060 1,975	496 1,114	471 1,385	802 1,185	380 537	349 378	265 238	189 189	219 189	208 117	177 49
131	Sugar			780	599	1,053	473	316	283	221	204	204	24	28
132 133	Liquor and beverages	4,282	3,900	3,158 2,330	1,371 961	692 1.150	782 605	1,016 304	873 246	660	516 112	534 124	310	135
134	Rood and kindred products Bakery and confectionery Canned products Mill products Packinghouse products Sugar Liquor and beverages Other food products	3,044	2,820	3,302	1,577	1,709	1,136	517	392	324 259	193	195	96 73	40 32
135 136	Textiles and textile products	12,417	12,077	10,397 3,693	4,770 866	7,687 1,603	6,205 2,145	2,881 1,039	2,550 936	1,783 702	1, 366 528	1,494 528	1,119 392	602 246
137	Silk and rayon goods				441	869	533	210	152	110	81	81	51	19
138 139	Woolen and worsted goods]	483	415 199	601 262	868 179	403 112	429 97	313 69	264 53	264 53	203 43	117 25
140	Knit goods			929	433	709	516	216	164	107	82	82	51	16
141 142	Clothing	4,049	3,924	3,018 2,253	1,036 1,380	1,758 1,887	1,447 517	633 268	568 204	345 137	257 101	350	292	114
	Textiles, n.e.c.											136	87	65
143 144	Boots and shoes	1,542	1,394	1,303 710	751 410	1,167 625	1, 523 581	743 255	659 197	452 123	335 100	369 102	274 95	157 43
145	Leather products Boots and shoes Other leather products			592	341	542	942	488	462	329	235	267	179	114
146	Rubber products	3,369	2,614	1,791	795	1,088	960	268	162	99	78	78	37	9
147 148	Rubber products Tires and tubes Other rubber products			1,383 361	586 209	918 170	635 325	130 138						
149	Forest products Sawmill and planing mill products Other wood products	8.225	6,347	4,820	2,405	3,842	2,726	1,932	1,767	1,174	872	1,110	825	361
150	Sawmill and planing mill products			3,000	1,562	2,660	1,730	1,193	1,122	694	520	731	518	219
151	Į.	l	l	1,805	843	1,182	996	739	645	480	352	879	307	142
152	Paper, pulp, and products	1	5,499	3,692	1,942	2,060	1,195	689	523	354	218	219	115	58
153	Printing, publishing, and allied industries	6,632	5,202	3,984	2,320	2,622	1,189	745	611	450	342	342	234	80
154	Chemicals and allied substances	19,138	14,450	9,109	3,537	3,942	2,594	1,280	911	634	457	458	288	137
155 156	Chamicals proper acids etc			334 2,580	198 1,125	335 973	312 941	217 390	122 273	69 194	61 144	61 145	41 96	18 49
157	Fertilizers Chemicals proper, acids, etc. Allied chemical substances, drugs, oils, etc.			5,917	2,214	2,634	1,341	673	516	371	252	252	151	70
158	Petroleum refining	30,174	19,960	15,363	5,814	5,745	1,170	326	182	136	95	95	77	27
159	Stone, clay, and glass products	6,681	4,482	2,934	1,825	2,351	1,267	990	860	554	336	351	217	83
160	Iron and steel and products	26,572	20,212	13,609	6,383	6,226	5,671	2,836	2,411	1,544	870	860	646	318
161 162	Iron and steel Metal building materials and supplies			9,521 2,309	4,394 805	4,155 756	4,456	2,147	1,845	1,185 202	657 97	657 87	469	258
163	Hardware, tools, etc			1,177	1,184	1,315	665 549	417 273	340 225	156	116	117	73 104	10 49
164	Nonferrous metals and products	6,516	4,288	2,655	2,090	2,194	1,484	827	705	455	360	381	187	86
165 166	Precious metals, products and processes Other metals, products and processes			515 2,663	247 1,843	352 1,842	315 1,169	196 631	181 524	126 329	97 263	97 284	70 117	29 57
167	Machinery, excluding transporta-				4.050		4.500		1 000					
168	tion equipment Electrical machinery and equipment;	29,735	24,104	14,674	4,979	5,833	4,700	2,331	1,860	1,309	924	924	557	242
169	radiosAgricultural machinery	10,014		4,874 1,745	1,120 749	1,514 730	963 367	390 339	282 256	183 197	87 158	86 158	19 145	62
170	Office equipment, etc.			815	413	430	167	95	72	41	24	24	8	6
171	Office equipment, etc			6,962	2,697	8,159	3,203	1,507	1,250	888	655	656	885	172
172	· ·	1	i	8,944	3,294	3,264	2,326	685	390	169	173	167	73	9
173 174	Transportation equipment Motor vehicles	12,680	9,982	6,006	2,504	2,575	1,816	426	184	29	36	30	1 2	l
174 175	Locomotive and railroad equipmentAirplanes			927 1,114	610 180	578 111	491 18	259	206	139	137	137	71	9
176	Miscellaneous manufacturing		7,789	4,271	1.192	2,168	1,007	583	411	245	166	168	123	51
	Section and additional and					1								∟

CAPITAL P 123-176

Series P 123–176. Capital in Manufacturing Industries, in Book Value and in 1929 Dollars (Creamer): 1879 to 1957—Con.

[In millions of dollars]

Series No.	Industry	1957 128	1953 123	1948 1 2	1937 1	1929 1	1919 4	1914 4	1909 4	1904 4	1899 4	1899 5	1889 5	1879 5
	1929 DOLLARS													
123	Total manufacturing capital	110,455	97,843	78,067	55,319	63,022	46,094	36,737	31,563	23,295	17,452	18,626	11,157	4,821
124 125	Fixed capital	51,061 59,394	43,862 53,981	36,639 41,428	25,851 29,468	30,853 32,169	(NA) (NA)	(NA) (NA)	(NA) (NA)	12,316 10,979	(NA) (NA)	9,651 8,975	5,553 6,336	
126 127	Food and kindred products Bakery and confectionery	13,361	12,878	10,488 1,146	9,180 1,287	9,591 1,693	7,5 93 1,103	6,515 757	5,517 555	4, 656 361	3,598 256	3,760 281	1,8 39 143	897 50
128 129	Canned products	-		1,097 691	933 564	921 509	458 971	306 675	224 656	188 553	135 432	135 500	50 414	16 319
130	Packinghouse products			1,288	1,267	1,496	1,435	954	711	497	432	432	233	88
131 132	Liquor and beverages	3.092	3.233	509 2,061	681 1,560	1,137 747	573 947	561 1,805	532 1,641	461 1,378	466 1,178	466 1,219	48 616	50 243
133 134	Food and kindred products Bakery and confectionery Canned products Mill products Packinghouse products Sugar Liquor and beverages Other food products	1,948	1,907	1,520 2,154	1,093 1,794	1,242 1,846	732 1,375	540 918	462 737	676 541	256 441	283 445	191 145	72 58
135 136	Textiles and textile products Cotton goods Silk and rayon goods Woolen and worsted goods Carpets, floorcovering, tapestries, etc	7,758	7,846	6,892 2,447	5,638 1,024	8,195 1,709	6,752 2,334	5,163 1,862	4, 636 1,702	3,482 1,371	2,876 1,112	3,145 1,112	2,024 709	998 408
137 138	Silk and rayon goods			- -	521 491	926	580 945	376 722	276 780	215 611	171 556	171 556	92 367	32 194
139	Carpets, floorcovering, tapestries, etc.			320	235	279	195	201	176	135	112	112	78	41
140 141	Knit goods Clothing Textiles, n.e.c.	2 657	2.638	616 2,001	512 1,225	756 1,874	561 1,575	387 1,134	298 1,033	209 674	173 541	173 737	92 528	27 189
142				1,493	1,631	2,012	563	480	371	268	213	286	157	108
143 144	Leather products Boots and shoes Other leather products	940	821	817 445	808 441	1,213 650	1,411 538	1,351 464	1, 359 406	1, 066 290	809 242	891 246	640 222	328 90
145				371	367	563	873	887	953	776	568	645	418	238
146 147	Rubber products	1,842	1,660	1,422 1,098	816 602	1,131 954	704 466	265 129	139	93	74	74	36	10
148	Tires and tubesOther rubber products			287	215	177	238	136						
149	Forest products	3.634	3,252	2,934	2,548	4.083	3,155	3,475	3,591	2,662	2,253	2,868	1.950	847
150 151	Forest products Sawmill and planing mill products Other wood products			1,826 1,099	1,655 893	2,827 1,256	2,002 1,153	2,146 1,329	2,280 1,311	1,574 1,088	1,344 910	1,889 979	1,225 726	514 333
152	Paper, pulp, and products	4,039	3,086	2,476	2,062	2,239	1,524	1,246	1,002	670	453	455	200	90
153	Printing, publishing, and allied in- dustries	2,832	2,622	2,571	2,505	2,737	1,556	1,444	1,265	939	801	801	466	144
154	Chemicals and allied substances	10,564	8,845	6,487	3,965	4,221	2,777	2,078	1,531	1,134	869	871	478	206
155 156	Fertilizers Chemicals proper, acids, etc			237 1,830	222 1,261	359 1,042	334 1,007	352 633	205 459	123 347	116 274	116 276	68 159	27 74
157	Allied chemical substances, drugs, oils, etc			4,196	2,482	2,820	1,436	1,093	867	664	479	479	251	105
158	Petroleum refining	16,134	12,455	11,188	6,503	6,092	1,380	552	327	254	195	195	151	37
159	Stone, clay, and glass products	3,375	2,631	2,128	1,975	2,592	1,676	1,937	1,755	1,138	709	741	408	156
160	Iron and steel and products	13,090	11,701	9,649	6,719	6,666	6,735	5,166	4,305	2,886	1,599	1,581	1,143	472
161 162	Iron and steel Metal building materials and supplies			6,598 1,600	4,625 847	4,449 809	5,292 790	3,911 760	3,295 607	2,215 378	1,208 178	1,208 160	830 129	383 15
163	Hardware, tools, etc			816	1,246	1,408	652	497	402	292	213	215	184	73
164	Nonferrous metals and products	3,229	2,508	1,837	2,338	2,364	1,808	1,365	1,203	804	610	646	276	116
165 166	Precious metals, products and processes_ Other metals, products and processes			379 1,960	276 2,062	379 1,985	384 1,424	323 1,041	309 894	223 581	164 446	164 481	103 173	39 77
167	Machinery, excluding transporta-	14,388	13,773	10,352	5,286	6,166	5,595	4,293	3,654	2,710	1,917	1,917	1,160	414
168	Electrical machinery and equipment:	1	5,517	3,438	1,189	1,600	1,146	718	554	379	1,917	178	40	3
169	radiosAgricultural machinery			1,226	795	772	437	624	503	408	328	328	302	106
170 171	Office equipment, etc Factory, household, and miscellaneous			573	438	455	199	175	141	85	50	50	17	10
***	machinery			4,892	2,863	3,339	3,813	2,775	2,456	1,839	1,359	1,361	802	295
172	Transportation equipment	10,450	9,387	6,017	3,672	3,476	2,480	991	567	333	349	337	156	17
173 174	Motor vehicles Locomotive and railroad equipment	6,150	5,425	4,016 618	2,792 680	2,742 616	1,936 523	616 375	267 299	57 274	73 276	60 276	4 152	17
175	Airplanes			743	201	118	19							
176	Miscellaneous manufacturing	4 810	4.378	2.809	1,304	2.256	948	896	712	468	340	344	230	89

NA Not available.

1 Covers factories having annual production of \$5,000 or more.

2 Some minor groups are not adjusted for investment in emergency facilities after "normal" depreciation or intangible assets. Therefore, sum of detail does not equal totals.

Includes firms engaged in shipbuilding which were excluded in other years.
 Covers factories having annual production of \$500 or more.
 Includes custom and neighborhood shops.
 N.e.c. means not elsewhere classified.

P 177-196 MANUFACTURES

Series P 177-180. Share of Total Value Added by Manufacture Accounted for by the 200 Largest Manufacturing Companies: 1947 to 1970

Series				Percer	nt of total value a	idded by manufa	cture		
Series No.	Company rank group	1970	1967	1966	1963	1962	1958	1954	1947
177 178 179 180	Largest 50 companies Largest 100 companies Largest 150 companies Largest 200 companies	24 33 38 43	25 33 38 42	25 33 38 42	25 33 37 41	24 32 36 40	23 30 35 38	23 30 34 37	17 23 27 30

Series P 181–196. Share of Total Value Added by Manufacture Accounted For by the 50 and 100 Largest Identical Manufacturing Companies: 1947 to 1970

Series	Specified year and company	Percent of value	e added by man	ufacture in each	year accounted	for by the larges	t companies in th	ne specified year s	shown in stub
No.	rank group	1970	1967	1966	1963	1962	1958	1954	1947
	1970								
181 182	Largest 50 companies Largest 100 companies	24 33	23 31	24 31	23 29	22 29	20 26	19 25	12 18
	1967								
183 184	Largest 50 companies Largest 100 companies	24 32	25 33	25 33	24 32	24 31	22 29	21 28	15 20
	1966								1
185 186	Largest 50 companies Largest 100 companies	28 31	24 32	25 33	24 32	24 31	22 29	21 28	14 21
	1963								
187 188	Largest 50 companies Largest 100 companies	23 31	24 32	24 33	25 33	24 32	23 30	22 29	15 22
	1962								
189 190	Largest 50 companies Largest 100 companies	23 31	24 33	25 33	25 32	24 32	23 30	22 29	15 21
	1958							ĺ	
191 1 92	Largest 50 companies Largest 100 companies	22 29	23 31	24 31	24 32	24 31	23 30	23 29	16 22
	1954								
193 194	Largest 50 companies Largest 100 companies	21 28	23 31	23 31	24 31	23 30	23 30	23 30	16 21
	1947								
195 196	Largest 50 companies Largest 100 companies	19 26	20 27	21 27	21 28	21 27	20 27	21 27	17 23

Series P 197-204. Concentration in Manufacturing, by Industry Group: 1901, 1947, and 1954

[Concentration ratio is defined as the percent of total "4-digit" SIC industry sales (or value added) made by 4 largest sellers. See text]

		Value adde	d by 4-digit th concentra-		A	verage concen	tration ratios		
SIC code No.	Industry group (1947 and 1954 census classification)	tion ratio percent of va all industries industr	lue added by in a 2-digit	1947 value- added weights	1954 value- added weights	1947 emp weig		1954 emp weig	
	,	1901 1	1947 2	1947	1954 3	1947	1954	1947	1954
		197	198	199	200	201	202	203	204
	Total, all industries, value-added weights	32.9	24.0	35.3	36.9	36.3	37.0	37.7	39.0
	Total, all industries, employment weights					34.6	35.9	34.7	35.3
20 21 22 23 24	Food and kindred products. Tobacco manufactures. Textile mill products. Apparel and related products. Lumber and wood products.	49.9 20.3	18.8 77.7 9.0 2.2 2.0	84.9 76.2 24.3 12.6 11.2	33.8 73.4 26.5 13.0 10.8	32.4 66.0 27.6 14.0 12.3	38.2 62.9 28.8 14.7 11.3	31.3 67.4 26.5 13.6 10.8	32.4 64.1 27.8 14.3 10.7
25 26 27 28 29	Furniture and fixtures	71 0	8.1 1.6 33.7 13.6	21.9 21.2 19.7 51.0 39.5	20.3 24.8 17.7 48.6 36.6	16.5 24.2 18.8 25.8 39.5	18.7 24.3 17.2 29.7 37.0	17.4 24.5 18.6 29.7 39.4	16.7 24.4 16.9 32.5 36.7
30 31 32 33 34	Rubber products Leather and leather products Stone, clay, and glass products Primary metal products Fabricated metal products	100.0 26.3 13.3 4 45.7	59.9 43.9 21.0 8.4	58.6 26.2 43.4 43.8 25.3	54.1 26.4 46.4 49.5 26.1	57.0 26.1 80.6 40.6 26.7	56.0 26.6 78.8 45.3 26.0	52.1 25.9 79.0 41.4 26.6	51.0 26.6 77.7 46.7 25.4
35 36 37 38 39	Machinery, except electrical Electrical machinery Transportation equipment Instruments and related products Miscellaneous manufactures	57.3	18.5 53.2 84.2 45.0 21.2	38.0 54.1 54.4 45.3 34.9	33.2 48.2 58.7 47.4 16.1	38.2 53.4 54.0 52.8 31.5	38.9 50.5 63.3 52.5 30.1	37.6 50.8 53.7 54.0 29.0	37.8 47.9 56.6 53.5 28.6

 8 434 (4-digit) industries. 4 Excludes steel works and rolling mills for which the concentration ratio is 78.8. 5 Includes electrical machinery.

Series P 205-211. Selected Statistics for Operating Manufacturing Establishments, by Legal Form of Organization: 1939 to 1967

	Establishments	All emp	oloyees	Productio	n workers	Value added by	Capital expendi-
Item		Total	Payroll	Total	Wages	manufacture	tures, new
	205	206	207	208	209	210	211
		1,000	Mil. dol.	1,000	Mil. dol.	Mil. dol.	Mil. dol.
ALL ESTABLISHMENTS							
1967 ¹ 1963	305,681 306,617 298,182 286,814 240,807 184,230	18,498 16,235 15,381 15,645 14,294	123,550 93,289 73,773 62,963 39,696	13,955 12,232 11,367 12,372 11,918 27,887	81,394 62,394 48,471 44,591 30,244	261,984 192,103 148,159 117,032 74,290 24,683	21,508 11,371 9,581 8,201 5,998
CORPORATE							
1967 1963 1958 1958 1954 1947	153,892 176,190 162,749 148,461 118,102 95,187	17,697 15,245 14,215 14,273 12,856	119,530 89,356 69,885 59,051 36,580	13,260 11,426 10,398 11,206 10,649 27,051	78,429 59,064 45,455 41,480 27,637	253, 261 184, 100 185, 644 109, 669 68, 294 22, 790	20,988 10,791 8,926 7,752
NONCORPORATE							
1967	33,165 130,427 135,433 138,353 122,705 89,043	530 990 1,165 1,372 1,438	2,709 3,932 3,787 3,912 3,115	433 806 969 1,166 1,269 2836	2,008 3,030 3,016 3,111 2,607	5,636 8,002 7,515 7,363 5,996 1,893	370 580 605 449

Represents zero.
 1 319 (4-digit) industries. Various years 1895-1904; central date was approximately 1901 but weighting factors used were as of 1899.
 2 452 (4-digit) industries.

Series P 205-211. Selected Statistics for Operating Manufacturing Establishments, by Legal Form of Organization: 1939 to 1967—Con.

	Establishments	All emp	loyees	Production	n workers	Value added by	Capital expendi-
Item		Total	Payroll	Total	Wages	manufacture	tures, new
200.00	205	206	207	208	209	210	211
NONCORPORATE—Con.		1,000	Mil. dol.	1,000	Mil. dol.	Mil. dol.	Mil. dol.
ndividual proprietorship:		İ					
1967	24,897 99,174 91,276 88,224 69,498 58,834	248 536 542 593 586	1,187 2,088 1,637 1,527 1,184	210 440 461 507 522 2443	933 1,595 1,349 1,237 1,001	2,361 3,916 3,115 2,735 2,162 957	14 31: 31: 17:
artnership:							
1967	6,781 27,677 41,958 47,885 50,771 27,651	193 334 543 703 757	971 1,034 1,836 2,108 1,687	157 277 452 602 673 2 368	730 1,062 1,458 1,684 1,432	1,895 2,726 3,663 4,054 3,347 863	114 14 223 210

¹ Includes establishments for which legal form of organization was not available.

Series P 212–215. Percent Distribution of Production Workers and of Value Added in Manufacturing Establishments, by Legal Form of Ownership: 1899 to 1967

	Production wo in establi owned	shments	Value added establishme by-	nts owned		Production we in establic owned		Value added, percent in establishments owned by—		
Year	Corporations	Other 1	Corporations	Other 1	Year	Corporations	Other 1	Corporations	Other 1	
	212 213		214 215			212	213	214	215	
1967 1963 1958 1954 1947	95.0 93.4 91.7 90.6 89.4 89.4	5.0 6.6 8.3 9.4 10.6 10.6	96.7 95.8 94.7 93.7 91.9 92.3	3.3 4.2 5.3 6.3 8.1 7.7	1929 1919 1914 1909 1904 1899	89.9 86.6 80.3 75.6 70.6	10.1 13.4 19.7 24.4 29.4	91.5 87.7 83.2 77.2 71.9 265.0	8.5 12.3 16.8 22.8 28.1 235.0	

 $^{^{\}rm 1}$ Includes individual proprietorships, partnerships, and other forms of ownership, mostly cooperative societies.

Series P 216-230. Physical Consumption of Selected Commodities in Manufacturing Industries: 1860 to 1970

					E	nergy materia	ls				
i			Used for hea	t and power				Use	d as raw mate	rial	
Year	Total	Coal	Coke	Fuel oil	Gas	Purchased electric energy	Coal	Coke	Crude petroleum	Fuel oil	Natural gas
	216	217	218	219	220	221	222	223	224	225	226
	Bil. kwh	1,000 short tons	1,000 short tons	Mil. bbl.	Bil. cu. ft.	Bil. kwh	1,000 short tons	1,000 short tons	Mil. bbl.	Mil. bbl.	Bil. cu. ft.
1967 1963 1958 1954 1947	4,184 4,359	75,100 89,438 81,784 91,458 110,869	61,105 55,941 49,806 54,372 66,171	262.3 271.0 226.9 246.6 215.6	11,638 9,341 8,628 8,977 4,866	427 314 253 187 103	92,940 71,470 77,817 85,441 108,053	1,390 1,122 1,265 1,860 2,551	3,621 3,198 2,850 2,499 1,884	11.1 8.3 6.0 4.0	607 300 365 338 485
1989 1937 1929 1927 1923	12,588 12,510	80,161 2169,528 2206,232 2199,705 2222,848	35,001 242,194 251,406	97.4 2 136.3 2 132.2	1,840 22,489 21,174	45 46 36	63,189 (2) (2) (2) (2) (2)	1,744 (2) (2)	1,250 1,040	36.0 (2) (2)	968 (2) (2)
1919 1914 1909 1909	12.097	2202,576 2168,892 2165,593	2 41,785 2 31,370 2 38,530	269.6 232.7 219.7	² 566 ² 280 ² 809		(2) (2) (2) (2)	(2) (2) (2) (2)	365 191 121 67 52	(2) (2) (2)	(2) (2) (2) (2)

² Average for year.

² Based on value of product. Establishments covered include 66,143 establishments not covered by census of manufactures. These establishments produced value of products of \$290 million in a total value of product of all manufactures of \$11,701 million.

Series P 216-230. Physical Consumption of Selected Commodities in Manufacturing Industries: 1860 to 1970-Con.

Year	Coffee imported	Raw cotton used in textiles	Wool used in textiles	Unmanu- factured silk imports for consumption	Year	Coffee imported	Raw cotton used in textiles	Wool used in textiles	Unmanu- factured silk imports for consumption	Year	Coffee imported	Raw cotton used in textiles
	227	228	229	230		227	228	229	230		227	228
	Mil. lb.	1,000 bales	Mil. lb.	Mil. lb.		Mil. lb.	1,000 bales	Mil. lb.	Mil. lb.		Mil. lb.	1,000 bales
1970 1969 1968	2,609 2,676 3,357	9,119 9,367 10.072	240.3 312.8 329.7	1.8 3.3 4.0	1925 1924 1923	1,269 1,395 1,388	6,852 6,217 7,312	349.9 342.2 422.4	63.1 50.5 49.1	1882 1881	484 426	1,849 1,866
1967 1966	2,819 2,918	10,650 10,950	315.5 307.2	2.8 4.6	1922 1921	1,220 1,304	6,549 5,409	406.5 343.4	50.1 44.9	1880 1879 1878	396 438 325	1,501 1,457 1,459
1965 1964 1968	3,054 3,185	10,557 9,967 9,747	387.0 356.7 411.7	5.8 6.7 6.4	1920 1919 1918	1,248 1,256 1,014	6,762 6,224 7,685	314.2 329.1 399.3	29.3 44.3 32.3	1877 1876	349 267	1,314 1,256
1962	4 3 ,238 4 2 ,954	10,292 9,560	429.1 412.1	6.5 6.7	1917]	7,658 7,279		36.0 32.0	1875 1874 1873	360 283 292	1,098 1,213 1,116
1960 1959 1958 1957	42,917 43,066 42,667 42,713	10,471 9,913 9,101 10,166	411.0 435.3 331.1 368.8	6.9 8.0 5.3 8.3	1915 1914 1913 1912	1,187 975 845 938	6,009 5,885 5,786 5,368		30.8 25.5 27.8 24.7	1872 1871 1870	289 308 272	1,147 1,027
1956	42,776	10,100	440.7 413.8	12.7	1911	796	4,705 4,799		20.7 21.5	1869 1868 1867	235 235 235 220	860 844 715
1954	2,234 2,767	9,900 10,783 10,426	380.8 494.0 466.4	8.5 7.8 12.6	1909 1908 1907		5,241 4,493 4,974		22.1 18.6 15.6	1866	175 126	615
1952 1951 1950	2,429	12,050 10,467	484.1 634.8	7.2 10.5	1906	859	4,877 4,523		16.7 15.4	1864 1863 1862	105 101 94	220 287 369
1949 1948 1947 1946	2,913 2,752 2,458 2,664	9,201 10,510 11,009 10,218	500.4 693.1 698.3 737.5	4.0 7.4 3.2 13.5	1904 1903 1902 1901	1,074 740 901 1,028	3,981 4,187 4,080 3,604		16.4 11.5 13.6 12.2	1861	146 180	842 845
1945 1944 1943 1942	2,604 2,194 1,712	11,049 11,308 12,401 12,658	645.1 622.8 636.2 603.6	1.0	1900 1899 1898 1897	852 781 787	3,687 3,672 3,472 2,841		8.1 11.7 8.4 10.0			
1941 1940 1939	· ·	11,081 8,845	648.0 407.9	25.6 47.6	1896	621 634	2,500 2,984		4.9 9.1			
1939 1938 1937 1936	1,981 1,689	7,709 6,463 8,769 7,085	396.5 284.5 380.8 406.1	55.3 57.1 64.2 67.5	1894 1893 1892 1891	601 535 601 574	2,300 2,416 2,847 2,604		7.8 4.4 7.8 7.1			
1935 1934 1933 1932 1931	1 1.574	6,080 6,467 6,898 5,503 5,977	417.5 229.6 317.1 230.1 311.0	72.4 60.4 73.0 77.6 87.6	1890 1889 1888 1887	534 507	2,518 2,309 2,205 2,050 2,095		4.6 5.8 5.4 4.8 4.8			
1930 1929 1928 1927	1,585 1,475	6,911 7,970 7,614 7,996 7,260	263.2 368.1 333.2 354.1 342.7	80.6 85.9 74.4 72.7 65.6	1885 1884 1883	534 494 488	1,687 1,814 2,038		3.9 3.4 3.3			

Includes energy equivalents for fuel used as raw material.
 Use as raw material is included with use for heat and power.

Series P 231-300. Physical Output of Selected Manufactured Commodities: 1860 to 1970

		Foods p	roduced		Beverages produced ²			Fats and oils produced		Tobacco products produced			Apparel products	
						Distille	d spirits		Shorten- ing		1		Mens'	Womens',
Year	Wheat flour ¹	Refined sugar	Canned corn	Canned tomatoes	Beer	Total, including industrial alcohol		Soybean oil, crude	and salad and cooking oils ³	Manu- factured tobacco and snuff	Cigars	Ciga- rettes	boys' suits and separate coats	misses', and juniors' dresses
	231	232	233	234	235	236	236a	237	238	239	240	241	242	243
	Mil. bbl.	Mil. lb.	1,000 cases	1,000 cases	1,000 bbl.	1,000 tax gal.	1,000 tax gal.	Mil. lb.	Mil. lb.	Mil. lb.	Mil- lions	Mil- lions	1,000	1,000
1970	129.1 129.7 129.7 125.2 129.2	20,848 19,816 20,098 18,838 18,664	38,536 40,497 48,608 40,400 37,331	31,994 26,270 39,706 32,084 26,783	134,654 122,657 117,524 116,564 109,736	985,641 905,459 873,010	301,949	6,805 6,150 6,150	6.624	161 159 158	47,979 47,499 47,696 47,303 47,992	4573,002 4570,748 4572,790	50,320	
1965 1964 1963 1962 1961	127.9 133.6 132.8 133.9 133.0	18,426 18,596 17,746 17,874 16,840	32,075 30,792 36,205 37,510 37,857	29,532 29,873 27,094 29,144 27,908	108,015 103,018 97,961 96,418 93,496	838,978 800,830 809,518	275,616 273,750 266,648 292,767 248,439	4,944	5,510 4,945 5,221	180 168 169	48,883 48,648 46,657 46,843 46,648		40,815 41,348 41,937	271,718 259,979 251,734

Energy equivalent for coal only, including that used as raw material.
 Imports for consumption of raw or green coffee.

as raw material is included with use for heat and power.

4 Imports for consumption of raw or green coffe

Series P 231-300. Physical Output of Selected Manufactured Commodities: 1860 to 1970—Con.

		Foods p	roduced		Beve	rages produ	aced ²		nd oils uced	Tol	acco produ produced	ıcts	App proc	arel lucts
Year	Wheat flour ¹	Refined sugar	Canned corn	Canned tomatoes	Beer	Distilled Total, including industrial alcohol	d spirits Beverage alcohol	Soybean oil, crude	Shorten- ing and salad and cooking oils ³	Manu- factured tobacco and snuff	Cigars	Ciga- rettes	Mens' and boys' suits and separate coats	Womens', misses', and juniors' dresses
	231	232	233	234	235	236	236a	237	238	239	240	241	242	243
	Mil. bbl.	Mil. lb.	1,000 cases	1,000 cases	1,000 bbl.	1,000 tax gal.	1,000 tax gal.	Mil. lb.	Mil. lb.	Mil. lb.	Mil- lions	Mil- lions	1,000	1,000
1960 1959 1958 1957 1956	130.4 128.1 126.8 122.2 117.6	* 16,710 16,082 15,790 15,150 15,532	*28,926 33,810 27,075 31,533 35,668	* 25,413 24,126 30,465 21,686 29,883	94,548 90,974 89,011 89,882 90,698	803,751 754,539 718,848 650,366 720,754	273,258 271,797 244,316 207,946 217,814	4,392 4,344 3,943 3,475 3,200	2,006 1,809	178 176 180 179 185	46,937 47,298 46,395 45,952 45,830	4470.068	40,622 39,283 33,053 34,968 35,640	253,606 257,677 243,273 255,605 257,336
1955 1954 1953 1952 1951	115.6 113.5 113.9 117.0 117.6	13,900	24,075 30,619 30,982 32,329 25,576	24,727 21,827 22,834 27,981 31,770	89,791 92,561 90,484 89,601 88,976	593,982 563,496 619,456 689,256 846,388	135 240	2,827 2,378 2,515 2,478 2,478	1,975 1,961 1,675 1,611 1,403	199 204 209 220 227	45,834 45,882 45,973 45,892 45,664	4412,309 4401,849 4423,070 4435,549 4418,803	29,421 34,659	260,389 248,169 259,312 258,263 240,964
1950	115.4 120.3 143.2 156.7 143.2	14,665 13,235 12,202 13,758 10,224	18,241 29,795 31,483 26,089 30,951	21,108 21,537 24,393 27,709 23,857	88,807 89,736 91,291 87,857 84,978	563,956	194,025 291,722 270,587 219,656 225,077	2,075 1,859 1,604 1,543 1,454	1,487 1,441	235 239 245 242 253	45,468 5,453 5,645 5,488 5,618	4 391,956 385,046 386,916 369,763 350,132	29,737 82,005 84,168	208,247
1945 1944 1943 1942 1941	125.4 122.8 114.6 112.7	11,204 12,160 10,635 9,637 13,437	28,237 25,089 28,755 32,118 26,109	16,758 26,099 29,269 41,252 81,759	86,604 81,726 71,018 63,717 55,214	1	246,262 254,815 192,416	1,392 1,246 1,234 762 586	1,441 1,364 1,438 1,300 1,409	331 307 327 830 342	5,275 5,199 5,363 5,841 5,610	332,345 323,734 296,305 257,657 218,083	20 720	204,878 223,995
1940 1989 1938 1937 1936		11,684	15,524 14,567 20,470 23,541 14,621	29,533 24,465 23,131 26,235 24,414	54,892 53,871 56,340 58,748 51,812	387,183 346,344 351,190 482,138 449,994	159,707 166,763 183,288 299,207 274,108	533 458 323 194 225	1,190 1,404 1,514 1,595 1,587	344 343 345 341 348	45,370 5,198 5,015 5,303 5,172	4 189,373 180,828 171,842 170,171 159,076	7 23,743	194,383
1935 1934 1933 1932 1931	106.4 97.2 115.0	10,891 10,256 11,182	21,471 11,268 10,193 9,358 19,415	26,985 22,376 20,461 20,367 16,341	45,229 937,678 10 9,798 2,766 3,137	128,405 150,391 170,394	101,612	35 27 39 39	1,547 1,204 958 945 1,172	843 346 342 347 371	4,685 4,526 4,300 4,383 5,348	140,147 130,287 115,087 106,915 117,402	19,800	l
1930 1929 1928 1927 1926	123.6 120.6 122.0 116.2	12,376 12,046	15,692 17,487 14,497 10,347 19,069	29,015 24,146 14,575 22,425 16,140	8,681 3,900 4,200 4,400 4,900	197,221 203,300 170,500 185,500 203,800		14 11 5 3 3		372 381 386 396 411	5,894 6,519 6,373 6,519 6,499	124,193 122,822 109,131 100,260 92,528	31,846	109,080
1925 1924 1923 1922 1921	117.5 118.7 114.7 113.8 97.2		24,320 12,131 14,106 11,419 8,843	38,747 21,870 25,045 19,695 6,857	5,100 4,900 5,800 6,300 9,200	167,500 137,500 124,600 82,200 87,900		3 1 1 1	1,153 830 751 784	414 414 413 420 887	6,463 6,598 6,950 6,722 6,726	79 9561		l .
1920 1919 1918 1917 1916	130.4 122.5 115.4 115.8 118.7		15,040 18,550 11,722 10,803 9,180	25,735	9,200 27,700 50,300 60,800 58,600					413 424 497 483 466	8,097 7,072 7,054 7,560 7,042	53,865 47,528 36,323 26,203		
1915	119.2 115.0 113.6 110.8 110.8	8,617 8,274 7,904		14,457 25,984 24,250 23,936 16,642	59,800 66,200 65,300 62,200 63,300	140,700 181,900 193,600 187,600 183,400				442 441 444 435 424	6,599 7,174 7,572 7,044 7,049	18,945 17,944 16,530 14,239 11,700		
1910	107.2 107.5 109.8 111.5 109.5	6,433	9,137	22,051 14,733	59,500 56,300 58,800 58,600 54,700	163,900 139,900 133,900 174,700 150,100				447 431 408 388 391	6,810 6,668 6,489 7,302 7,148			
1905 1904 1903 1902 1901	105.4 104.7 111.8 109.1 108.4		5,028	9,517 16,065 17,335 15,810 7,227	49,500 48,300 46,700 44,600 40,600	153,300 139,500 148,200 132,800 128,600				368 354 351 348 314	6,748 6,640 6,806 6,232 6,139			
1900	105.8 104.0 100.8 95.7 96.5	4,241	6,486 6,366 4,315 2,787 2,539	9,385 14,852 9,651 6,767 5,845	39,500 36,700 37,500 34,500 35,900	109,200 100,200 83,700 64,300 90,000				301 295 275 297 261	5,566 4,910 4,459 4,136 4,048	3,870 4,367 4,843 4,927 4,967		
1895 1894 1893 1892 1891	93.6 93.7 92.5 92.1 86.3	4,281 4,050 8,896	3,417	7,337 5,502	33,600 33,400 34,600 31,900 30,500	81,900 92,200 131,000 118,400 117,800				274 269 251 274 271	4,341	4,238 3,621 3,661 3,282 3,137		

Series P 231-300. Physical Output of Selected Manufactured Commodities: 1860 to 1970—Con.

		Foods produ	uced—Con.		Beverages pro	duced—Con.	Tobacco	products produce	d—Con.
Year	Wheat flour ¹	Refined sugar	Canned corn	Canned tomatoes	Fermented malt liquor ²	Distilled spirits ²	Manufactured tobacco and snuff	Cigars	Cigarettes
	231	232	233	234	235	236	239	240	241
	Mil. bbl.	Mil. lb.	1,000 cases	1,000 cases	1,000 bbl.	1,000 tax gal.	Mil. lb.	Millions	Millions
890 889 888 887	83.3 80.8 79.5 79.5 75.7	3,233 3,170 3,048 3,014 2,949	1,523 1,726 3,437 2,276 1,675	5,280 5,022 5,580 4,720 3,921	27,600 25,100 24,700 23,100 20,700	111,100 91,100 71,700 79,400 81,800	253 246 209 226 210	4,229 3,787 3,668 3,662 3,462	2,505 2,413 2,212 1,865 1,607
885 884 883 882	74.0 72,5 70.8 67.8 65.6	2,912 2,732 2,466 2,368 1,940	1,062	2,362	19,200 19,000 17,800 17,000 14,300	76,400 76,500 75,300 107,300 119,500	207 172 194 159 172	8,294 3,378 3,232 3,118 2,806	1,080 920 844 599 595
880 879 878 878 877	64.3 61.9 59.8 56.5 56.1	1,988 1,709 1,778 1,698 1,583			13,300 11,100 10,200 9,800 9,900	91,400 72,900 57,300 61,400 58,600	146 136 125 123 124	2,510 2,217 1,923 1,816 1,776	533 371 210 157 113
875 874 873 873 872	54.4 53.6 51.3 49.2 49.0	1,642 1,638 1,526 1,454 1,413			9,500 9,600 9,600 8,700 7,700	62,700 69,600 71,200 69,400 57,000	124 124 118 112 107	1,828 1,835 1,755 1,578 1,358	59 35 28 24 20
870 869 868 867	47.9 46.8 44.9 44.3 42.8	1,196 1,254 1,149 841 886			6,600	72,600		1,183	16
865	42.5 42.4 42.5 42.4 41.6 39.8	733 565 607 590 978 788							

	İ	Textile mi	ill products	,		Che	micals and	allied prod	ucts			Refined	petroleum j	products	
Year	Rayon and acetate yarns avail- able	Non- cellu- losic yarn avail- able	Fin- ished knit cloth shipped ¹¹	Carpets and rugs shipped	Sodium hydrox- ide (caustic soda)	Ammo- nia anhy- drous (100% NH ₃)	Ammo- nia aqua (100% NH ₃)	Sulfuric acid (100% H ₂ SO ₄)	Paints, var- nishes, and lac- quers	Super- phos- phates (100% P ₂ O ₅)	Light prod- ucts of dis- tillation	Illumi- nating oils (kero- sene) ¹²	Fuel oils	Lubri- cating oils	Paraffin wax
	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258
	Mil. lb.	Mil.	1,000 lb.	1,000 sq. yd.	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	Mil. gal.	1,000 short tons	Mil.	Mil. bbl.	Mil.	Mil. bbl.	1,000 bbl.
1970	699.6 743.5 794.5 739.8 780.8	1,803.8 1,649.0 1,555.7 1,184.7 1,081.9	782,279 744,003 698,124 603,951 558,617	633,662 597,885 546,840 467,909 445,527	10,064 9,917 8,868 8,398 7,596	13,570 12,769 12,120 12,194 10,605	33 39 42 65 73	29,577 29,537 28,544 28,815 28,385	827 881 843 782 837	4,596 4,289 4,149 4,695 4,450	2,136 2,057 1,968 1,873 1,822	314 320 295 264 228	1,155 1,114 1,116 1,081 1,050	66 65 66 65 65	6,294 6,049 5,887 5,719 5,772
1965 1964 1963 1962 1961	782.5 768.6 687.4 668.9 627.8	927.7 797.4 655.2 570.7 477.3	450,128 416,642 345,607 314,597 276,048	411,220 357,653 305,470 268,235 18178,625	6,842 6,399 5,814 5,486 4,914	8,869 7,634 6,693 5,810 5,207	81 63 60 64 56	24,851 22,924 20,936 19,701 17,848	775 725 678 643 623	3,834 3,482 3,231 2,823 2,744	1,733 1,687 1,625 1,583 1,533	202 168 165 156 141	1,034 1,009 1,041 1,015 1,012	63 64 63 61 59	5,456 5,352 5,126 5,353 5,781
1960 1959 1958 1957 1956	624.9 722.2 643.5 685.8 727.0	400.8 378.9 311.3 314.8 273.1	247,671 243,042 210,635 193,518 186,458	13151,984 13132,523 166,737 1399,651 1383,177	4,972 4,748 3,993 4,336 4,227	4,818 4,520 3,879 3,733 3,378	45 56 51 41 37	17,883 17,609 15,950 16,460 16,495	663 650 595 14 518 14 503	2,672 2,610 2,381 2,455 2,439	* 1,522 1,489 1,440 1,438 1,429	* 136 111 110 109 123	* 999 1,027 995 1,084 1,092	* 59 56 51 56 59	5,896 5,630 5,252 5,461 5,367
1955 1954 1953 1952 1951 1951 1951	857.7 721.2 865.6 845.2 865.5	258.2 214.1 186.4 160.8 134.4	181,884 165,030 164,193 170,518 148,747	1877,822 128,023	3,915 3,410 3,263 3,031 3,106	3,252 2,737 2,288 2,052 1,777	39 54 34 34 35	16,255 14,376 14,003 13,310 13,372	14 515 14 416 14 421	2,272 2,215 2,147 2,165 2,045	1,374 1,261 1,266 1,193 1,140	117 122 123 132 136	1,023 959 978 974 945	56 53 53 56 61	5,293 5,290 4,978 4,331 4,814
1950 1949 1948 1947 1946	955.6 782.8 846.7 729.3 666.5	97.6 75.6 59.3 43.7 33.6	162,803 147,853 153,778 146,666	91,160	2,949 15 2,650 15 2,938 15 2,909 15 2,292	1,566 1,294 1,090 1,114 726	28	13,029 11,432 11,456 10,780 9,203	520	1,994 1,891 1,900 1,857 1,566	1,024 961 920 842 776	119 102 122 110 104	824 766 859 760 719	52 45 51 52 46	4,462 3,208 3,515 3,624 3,003
1945 1944	602.4 539.1	29.4 24.9	129,958 107,908		15 2,322 15 2,328	549 544		9,522 9,242		1,447 1,340	793 741	81 78	719 701	42 41	2,921 2,883

Series P 231-300. Physical Output of Selected Manufactured Commodities: 1860 to 1970—Con.

			-300.				cccca 1	- Landia	Courc	- CO1	111110	dides.	1000	to 1970–	Oon.	
		Textile m	ill product	8		Cher	nicals and	allied prod	lucts				Refin	ed petroleur	n products	
Year	Rayon and acetate yarns	Non- cellu- losic yarn	Fin- ished knit	Carpets and rugs	Sodium hydrox-	Inorganic Ammo-	Ammo-	Sulfuric	Pain var nishe	r- pl	per- nos- ates	Light prod- ucts	Illum natin oils		Lubri- cating	Paraffin wax
- •••	avail- able	avail- able	cloth shipped ¹¹	shipped	ide (caustic soda)	anhy- drous (100% NH:)	aqua (100% NH ₁)	acid (100% H ₂ SO ₄)	and lac que	d (10	00% ₃O₅)	of dis- tillation	(kero sene)	-	oils	
	244	245	246	247	248	249	250	251	252	2 2	253	254	255	256	257	258
	Mil. lb.	Mil. lb.	1,000 lb.	1,000 sq. yd.	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	Mi gal	il. 8i	000 hort ons	Mil. bbl.	Mil.	Mil. bbl.	Mil. bbl.	1,000 bbl.
1943 1942 1941	494.2 468.8 452.5	17.7 12.2 7.5	112,560		15 2,249 15 1,574 15 1,429	543 543 501		8,442 7,754 6,770		1	,278 ,071 955	609 610 704		72 629 57 556 73 532	39 39 2 40	2,697 2,502 2,393
1940 1939 1938	388.8 359.9 274.1	2.7	79,756	63,676	15 1,045	311	¹⁶ 16	4,795	l	265	876 758 685	616 611 568		74 500 59 468 55 44	35 7 31	1,833 1,659 1,555
1937 1936	267.2 297.6		76,377	64,799	969	¹⁸ 108	16 13 	6,029		280 	805 62 7	571 516		55 459 66 414	35 1 31	1,863 1,689
1985 1984 1983	252.8 194.8 211.9		49,587	59,152 41,876	759 687	16 69 16 75	16 12 	4,890	(NA	219 Ā)	532 509 463	470 424 411	1 4	56 366 54 338 19 310 14 298 12 337	5 26 5 24	1,608 1,674 1,677
1932 1931	152.1 157.8			44,181	659	16 64	16 9	4,627	i	171	307 478	403 442	1	1	1	1,639 1,705
1980 1929 1928	118.4 131.8 100.3			73,411	762	16 87	10 15	6,456	2	239	794	444 445 388	4	19 372 56 445 59 42 56 395 52 365	2 34 34 7 35 3 32 5 32	1,956 2,261 2,257
1927 1926	100.1 60.9			67,198	573	16 23	25	5,577				388 340 307		56 393 52 365	32 32	2,089 2,310
1925 1924 1923	58.4 42.4 32.8			72,100 83,242	497	16 16 12	51 34	5,325 4,984				269 225 196	6	36! 30 320 36 28'	31 27 7 26	2,135 1,845 1,665
1922 1921	25.0 19.8			52,906	239	15	39	3,323] _	94	868	158 132] {	55 258 6 230	5 23	1,651 1,553
1920 1919 1918	8.7 9.3 6.0			52,182	313	14	23	4,222				124 101 91	5	55 211 66 182 13 174	20	1,933 1,668 1,805 1,719 1,379
1917 1916	6.8 6.6												. 4	1 158 35 111	20 18 15	1,719 1,379
1915 1914	6.6 5.1			66,340	16 292	16 8	16 18	8,096					-			
1913 1912 1911	4.0 2.9 2.1															
1909				81,219 82,671 76,410	16 132 16 87	6 16 3	18 11	2,254 1,421 1,177		70						
1899 1890 1880			I	76,410	¹⁶ 167	16 1				40	84					
1870											35 12				-	
1860				-							1		<u> </u>			
			Shoes pr (except a	oduced thletic)	Cons	truction m	aterials				Pri	mary and	fabricate	ed metals		
			1							Ra	w steel	produced	l —————			Copper
		Pneu- matic			Rails	Structural iron and	and	n							Hot rolled	and copper base
Year	"	notor rehicle tires oduced	Men's	Women's	pro- duced ¹⁷	steel shapes pro- duced ¹⁷	face brick pro- duced	Total		Besse- mer ¹⁷	Or hear	pen rth ¹⁷	Cruci- ble ¹⁷	Electric and all other ¹⁷	iron and steel pro- duced ¹⁷	alloy, rolled, drawn, and extruded products shipped ¹¹
		259	260	261	262	263	264	265		266	20	67	268	269	270	271
	M	(illions	Mil. pairs	Mil. pairs	1,000 short tons	1,000 short tons	Billion	1,000 short	t	1,000 short tons	8h	000 ort ns	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons
1970 1969 1968 1967 1966		186	119.7 117.6 125.6 123.7 126.9	230.2 237.6 283.7 258.0 284.2	900 830 847 763 878	19 5,566 19 5,766 7,098 6,986 7,687	7.8 7.9 7.5	1 141,2 1 131,4 7 127,2	262 462 213	(21) (21) 278	21 65 21 70	,022 ,894 ,835 ,690	20,1 20,1 16,8 15,0 14,8	.32 14 89	20 90,798 20 93,877 99,115 93,084 99,205	2,821 3,274 2,912 2,987 3,447
1965 1964 1963 1962 1961		158	118.2 117.7 110.7 112.7 103.3	280.0 278.0 275.2 288.2 273.4	766 701 531 544 472	7,641 6,809 5,856 5,278 5,517	6.8	7 127,0 1 109,2 9 98,5	076 261 328	586 858 963 805 881	98 88 82	. 193 . 097 . 834 . 957	13,8 12,6 10,9 9,0	78 20 13	99,304 93,635 81,851 74,998 78,412	3,144 2,950 2,592 2,478 2,255

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Series P 231-300. Physical Output of Selected Manufactured Commodities: 1860 to 1970—Con.

			roduced athletic)	Cons	truction ma	terials			Primary a	and fabricat	ed metals		
	Pneu- matic			Rails	Structural iron and	Common		Ray	w steel produ	ced		Hot	Copper and copper
Year	motor vehicle tires produced	Men's	Women's	pro- duced ¹⁷	steel shapes pro- duced ¹⁷	and face brick pro- duced	Total ¹⁸	Besse- mer ¹⁷	Open hearth ¹⁷	Cruci- ble ¹⁷	Electric and all other ¹⁷	rolled iron and steel pro- duced ¹⁷	base alloy, rolled, drawn, and extruded products shipped
	259	260	261	262	263	264	265	266	267	268	269	270	271
	Millions	Mil. pairs	Mil. pairs	1,000 short tons	1,000 short tons	Billions	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1 000 short tons	1,000 short tons
960 959 958 957 966	112	100.6 110.1 101.4 104.3 106.9	279.8 292.4 270.7 274.2 273.4	711 631 587 1,308 1,301	6,125 5,259 5,220 8,595 7,167	6.94 7.34 6.32 6.66 8.09	99,282 93,446 85,255 112,715 115,216	1,189 1,380 1,396 2,475 3,228	86,368 81,669 75,879 101,658 102,841	8, 6, 7,	379 593 656 971 641	76,446 71,856 65,105 85,887 89,284	2,149 2,400 2,021 2,214 2,438
955 954 953 952 951		103.7 91.1 98.8 100.7 104.5	270.9 202.0 186.9 183.9 169.4	1,227 1,171 1,982 1,472 1,854	6,336 5,706 6,538 5,355 6,348	7.90 6.72 5.87 5.89 6.63	117,036 88,312 111,610 93,168 105,200	3,320 2,548 3,856 3,524 4,891	105,359 80,327 100,474 82,846 93,167	5, 7, 6,	050 436 280 798 142	90,658 68,465 85,944 71,349 81,911	2,564 2,114 2,525 2,465
950 949 948 947 946	112	102.5 97.4 104.4 106.2 106.0	195.2 178.0 176.5 191.6 181.4	1,850 1,901 2,208 2,441 1,966	5,442 4,672 5,456 5,607 4,388	6.33 5.52 5.84 5.14 4.87	96,836 77,978 88,640 84,894 66,603	4,535 3,947 4,243 4,233 3,328	86,263 70,249 79,340 76,874 60,712	3, 5.	039 783 057 788 563	75,191 60,882 69,192 66,202 50,937	2,438
945 944 943 942 941		107.7 108.5 129.3 143.0 135.8	120.2 118.1 154.7 181.7 184.9	2,418 2,491 2,127 2,096 1,928	4,467 4,676 4,576 5,816 5,724	2.29 1.88 1.92 (NA) (NA)	79,702 89,642 88,837 86,032 82,839	4,305 5,040 5,625 5,553 5,578	71,940 80,364 78,622 76,502 74,390	(Z) (Z) (Z) 2 2	3,457 4,238 4,589 3,975 2,869	59,812 65,804 63,293 62,446 62,324	
940 939 938 937 936	22 64 - 22 59 - 22 53	102.4 103.8 96.7 102.9 103.8	151.9 167.7 147.8 149.7 161.9	1,679 1,313 698 1,619 1,366	4,232 3,359 2,083 3,670 3,245	4.10 4.73 3.53 4.19 3.82	66,983 52,799 31,752 56,637 53,500	3,709 3,359 2,106 3,864 3,873	61,573 48,410 29,080 51,825 48,760	(Z) 1 1	1,700 1,029 566 947 865	48,660 39,068 23,569 41,178 37,858	1,060
935 934 988 932 931	28 45	99.5 91.4 88.8 74.5 77.4	145.2 133.0 130.7 113.9 112.6	797 1,131 466 451 1,297	1,960 1,596 1,243 1,050 2,310	2.28 1.40 1.29 1.40 3.22	38,184 29,182 25,725 15,123 28,607	3,175 2,422 2,717 1,712 3,373	34,401 26,355 22,653 13,243 24,953	(Z) (Z) (Z)	606 405 354 168 280	26,840 21,246 18,743 11,705 21,477	634 498
930 929 928 927 926	23 70	77.1 94.8 91.0 95.3 86.6	112.6 131.3 123.8 116.3 110.4	2,098 3,049 2,965 3,143 3,604	3,934 5,851 4,588 4,192 4,381	5.11 7.64 8.83 9.47 9.96	44,591 61,742 56,623 49,273 52,902	5,623 7,945 7,385 6,894 7,721	38,587 53,152 48,689 41,921 44,764	2 6 7 9 16	379 638 542 449 401	33,055 45,998 42,182 36,825 39,755	1,245
925 924 923 922 922	22 61 - 22 50	86.5 84.7 100.3 90.0 69.5	104.8 104.1 109.7 105.4 101.5	3,119 2,725 3,253 2,432 2,440	4,037 8,678 3,814 3,045 1,425	10.04 9.19 9.21 7.32 5.32	49,705 41,446 49,017 38,945 21,639	7,474 6,551 9,431 6,578 4,461	41,804 34,597 39,200 32,106 17,065	20 24 48 31 8	406 274 338 230 104	37,393 31,457 37,270 29,626 16,547	24 54
920 919 918 917 916	22 38	95.0	104.8	2,917 2,468 2,846 3,297 3,197	3,704 2,928 3,192 3,483 3,394	5.64 5.54 3.91 6.62 8.40	46,183 38,099 49,010 49,787 46,793	9,841 8,038 10,335 11,572 12,234	35,846 29,665 38,065 37,783 34,278	79 69 128 138 135	417 327 482 294 146	36,230 28,114 34,894 37,036 36,266	
915 914 913 912 911				2,469 2,179 3,923 3,727 3,162	2,729 2,275 3,366 3,188 2,142	7.71 7.96 8.92 9.37 9.20	35,180 25,606 34,087 34,079 25,937	9,178 6,895 10,604 11,492 8,841	25,838 18,603 23,340 22,457 16,970	108 88 117 114 94	55 20 26 17 32	27,320 20,575 27,766 27,616 21,324	
010 009 008 007 006				4,072 3,387 2,152 4,070 4,455	2,539 2,549 1,213 2,173 2,373	9.92 10.61 8.40 10.38 10.64	28,330 26,218 15,383 25,375 25,443	10,478 10,414 6,828 13,031 13,712	17,672 15,682 8,492 12,206 11,594	122 107 63 138 137	58 16	24,216 22,002 13,248 22,249 21,939	
905 904 903 902 901		83.4	69.5	3,781 2,559 3,352 3,302 3,220	1,860 1,063 1,227 1,456 1,135	10.36 9.10 8.90 8.93 8.45	21,880 15,205 15,865 16,402 14,784	12,231 8,787 9,605 10,222 9,752	9,537 6,325 6,146 6,054 4,924	112 93 114 126 108		18,861 13,455 14,793 15,617 13,831	
900 899 898 897 896		67.7	65.0	2,672 2,545 2,219 1,846 1,257	913 952 786 654 555	7.49 8.13 6.16 5.60 5.97	11,227 11,739 9,888 7,940 5,849	7,481 8,494 7,401 6,131 4,388	3,638 3,135 2,388 1,731 1,396	109 111 99 77 65		10,626 11,530 9,535 7,842 6,178	
895				1,463 1,144 1,273 1,738 1,464	580 404 434 508	6.36	6,785 4,899 4,471 5,492 4,349	5,494 3,995 3,596 4,663 3,635	1,219 845 805 732 631	72 58 69 96 82		6,932 5,199 5,573 6,906 6,038	

Series P 231-300. Physical Output of Selected Manufactured Commodities: 1860 to 1970—Con.

				Co	nstructio	n materi	als							Pr	imary and	fabricated n	netals			
Year]	Rails		iron	tural and		Commo and fac	n e					Raws	teel produc	ed			Hot roll iron an	
		pro	oduced			shapes uced		brick produce	ed	,	Total	l		Bessemer	Oper	n hearth	Crucible		steel produce	
			262		20	3		264			265			266		267	268		270	
		1,000	short to		1,000 8	ort tons		Billion	8	1,000	short	t tons	1	,000 short to	1,000	short tons	1,000 short	tons 1,0	00 shor	i tons
1890 1889 1888 1887			2,1 1,7 1,5 2,5	705 572 196		276			8.05		3 8 3	4,779 8,784 8,238 8,733		4,1 3,2 2,8 3,2	82 13 88	566 413 345 356		82 89 80 89		6,746 5,865 5,171 5,864
1886 1885 1884 1883			1,7 1,0 1,1 1.8	94							1	2,870 1,917 1,737 1.874		2,5 1,7 1,5 1,6	02 41	245 149 132 134		83 66 65 86	;	4,858 2,975 8,077 3,645
1882 1881			1,6	889 j.							1	1,945 1,779		1,6 1,5	96	161 147		88 93		3,955 3,999
1880 1879 1878 1877 1876			7			87			3.82			1,397 1,048 820 638 597		7. 5	03 29 32 61 26	113 56 36 25 21		81 62 51 52 50	1	3,301 2,741 2,115 1,909 1,922
		structio			Pr	imary and	l I fabri	icated 1	metals	Con.			11		Construc- tion materials	Prima	ry and fabri	cated met	als—Co	n.
Year		Cor	nmon		Po	w steel ne	ndire	d—Cor			Ho			Year	Con.	Pows	teel produced			 Tot
1641	Rails produced	and i br	l face rick duced	To	hearth						olled and s produ	iron steel		1681	Rails produced	Total	Bessemer	Crucible	rolle	d iron steel duced
	262	2	64	265 266 267					26	58	270	0			262	265	266	268	2	70
!	1,000 short tons	Bil	lions		000 t tons	1,000 hort tons		000 t tons		000 tons	1,00 short t				1,000 short tons	1,000 short tons	1,000 short tons	1,000 short ton		000 t tons
1875 1874 1873 1872	793 729 890 1,000	3			487 242 223 160	376 192 171 120		9 7 4 3		52 43 49 37	1,	890 840 966 942	186 186	37 36 35 34	463 431 356 335	22 19 15 10	3	1 1 1	9 1 5	1,042 1,026 856 872
1871 1870 1869 1868	776 620 594 506		2.80		82 77 35 30	45 42 12 9		2 2 1		35 34 22 22	1,	,486 ,325 ,236 ,105	186 186	38 32 31 30	276 214 190 205	9		i		
	I		ted met	al ne	-				Mo	chinery						<u> </u>	Electrical	<u>[</u>	1	
		abrica		ai pi	Non-	-				cilinei y		ept ete				Fractional	ï		<u>'</u>	
Year	са	etal ins ped ²⁵	Warn air- furnac shippe	es	electric cooking stoves and ranges shipped	Gaso engi produ	nes	Dies engin produ	es	Wheel tractors complet produce	s, e, n	Meta cuttir machir shippe	ng nes	Type- writers shipped	Room air- condi- tioners shipped	horse- power motors (excluding hermetics) shipped 11	horse- power mo- tors and genera- tors	Domest ranges electric shipped	h re ii era	ouse- old frig- ators duced
	2	72	273		274	27	5	276		277		278		279	280	281	282	283	2	284
1970	base	000 boxes	1,000	- 1	1,000 2 11	1,000 1,000 1,000					72	1,00	<i>0</i> 188	1,000	1,000 5,438	1,000 135,134	1,000	1,000	1,	,000
1969 1968 1967 1966	152	152.617 1.865 2.291 10.528 25 145.862 1.741 2.326 9.822 25 138.980 1.449 2.097 9.102 25 129.389 1.528 2.132 8.900 25					254 252 252 252 254	19 21 24 27	96 13 12	2 2 2	230 226 236 243	26 1,371 1,626 1,842 1,928 1,889	5,115 3,887 3,941 8,269	150,463 142,696 122,419 136,820	2,836 2,776 2,726 2,834 2,595	2,27	B	4,578		
1964	44116,213					247 238 179 155 150	24 21 20 18 17	13 03 38	1 1 1	184 154 140 139 124	1,486 1,438 1,307 1,306 1,130	2,868 2,592 1,990 1,628 1,562	131,572 106,587 98,926 81,373 74,552	2,139 1,923 1,433 1,724 1,428	2,20	5	4,221			
1960 1959 1958 1957	$egin{array}{cccccccccccccccccccccccccccccccccccc$			2 6, 7 7, 5 5, 6 4,	022 181 756 924		139 180 132 127	15 26 24 22	50 11 29	1 1	184 148 110	1,191 1,283 1,224 1,645	1,523 1,773 1,675 1,586	76,027 58,877	1,409	28 78	9	3,038 		
See footnotes	l	1,786	1,8	99	2,27	* 5,	,883		141	21	ro			1,501	1,828					

Series P 231-300. Physical Output of Selected Manufactured Commodities: 1860 to 1970—Con.

	Fabrica	ited metal pi	roducts		1	Machinery	, except ele	ctrical				Electrical	machinery	
Year	Metal cans shipped ²⁵	Warm air- furnaces shipped	Non- electric cooking stoves and ranges shipped	Gasoline engines produced	Diesel engines produced	Wheel tractors complete produce	s, cuttin e, machir	ig :	Type- vriters hipped	Room air condi- tioners shipped	Fractiona horse- power motors (excluding hermetics shipped ¹	horse- power mo- tors and genera- tors	Domestic ranges, electric, shipped 11	House- hold refrig- erators produced
	272	273	274	275	276	277	278		279	280	281	282	283	284
	1,000 base boxes	1,000	1,000	1,000	1,000	1,000	1,000	, ;	1,000	1,000	1,000	1,000	1,000	1,000
955 954 953 952	4,484 4,143 4,082 3,842	1,406 1,152 997 928	2,509 2,203 2,386 2,424	4,932 3,670 2,989 2,945	139 105 118 121	39 41	6 1 05	21 25	1,258 1,111 1,295 1,383 1,533	1,283 1,353 ** 1,018 ** 372				3,387
951 950	3,805 3,893	872 1,100	2,624 3,388	3,104 2,458	129 99	56 49	4		1,533 1,408	30 229 194		-		
949 948	3,277 3,245	770 777	2,475 3,532	2,400		_ 55 53	6	29	9 1,074 9 1,173	89 74				
947 946	2,956 2,760	885 699	3,519 31 2,811	2,141	100		3 1	.91 29	1,493	43 30			1,210	3,975
945 944	2,442 2,072	373 281	31 1,889 31 1,424			_ 24 _ 24			. 					
943 942	1,684	32 173 32 256	31 1,055			_ 10	5							
941		³² 518					- 1			·		-		
940 939 938 938 938 938						_ 18	6		930		11,256	456	275	1,773
937 936							8		1,116		20,666	520	88 341	84 2,824
935 934	ł					1	ı		824		7,782	327	⁸⁸ 195	84 1,88 2
933								-	416		3,818	189	88 51	84 1,160
932 931						- 6	2		529		3,845	309	33 110	34 1,050
930 929						_ 19	6		962		4,832	713	88 225	84 890
928 927 926						_ 15 _ 18 _ 17	5		862		3,046	524	88 113	84 390
925		l				15			742		2,288	446	88 85	 84 75
924 923						- 11 - 12	7		698			_	35 49	84 18
922 921						- - 	15		489			250	27	84 5
919 914											198 64			
900						-	- -		145					
		E	lectrical ma	chineryC	on.					Transp	ortation equ	ipment		
	House hold	- pro	ric lamps duced	Home-	Home- type		Trailer						rse-drawn es produced	
Year	washir ma- chine mecha ical shipped	s, Large n- incan- descent	Fluores- cent, hot cathode	type radio receivers shipped 11	radio- phono- graph combi- nations shipped 11	Phono- graphs shipped	coaches, housing type, shipped 11	Truci trailer shippe	rs mo	tives par duced ger	road Raili sen- frei cars ca luced prod	ght Car- rs riages	, wagons, s, trucks, and	Bicycles produced
	285	286	287	288	289	290	291	292		293 2	94 29	5 296	297	298
	1,000	Mil.	Mil.	1,000	1,000	1,000	1,000	1,000	0		1,0	00 1,000	1,000	Mil.
970 969		1,582 1,476	261	4,359 5,941	1,660 1,842	3,051 3,941		13	06 38					
968 967 966	4,59	1,467	258 224	7,455 9,362 13,536	1,982 1,730 1,702	3,705 3,828 4,323	226		14 97 13	1,418	37 72 3	7 63	92	87 4.8
965 964		1,320 1,264	225	12,744 9,404	1,662 1,454	4,057 3,242		10	04 87					
963 962 <i>_</i>	4,22	27 1,254 1,238	179 164	9,313 10,112	1,244 1,243	3,699 3,668	151		78 68	686	7 266	7 33	94	⁸⁷ 3.81
961		1,155	142	10,350	853	3,343		'	51	- -				

P 285-298

MANUFACTURES

Series P 231-300. Physical Output of Selected Manufactured Commodities: 1860 to 1970—Con.

		Ele	ectrical ma	chinery—C	on.				Tı	ansportatio	on equipme	nt		•••
Year	House-hold washing ma-chines, mechanical, shipped 11	Electric prod Large incan- descent		Home- type radio receivers shipped 11	Home- type radio- phono- graph combi- nations shipped 11	Phono- graphs shipped	Trailer coaches, housing type, shipped 11	Truck trailers shipped	Loco- motives produced	Railroad passen- ger cars produced	Railroad freight cars produced		Farm wagons, trucks, and business vehicles	Bicycles produced
	285	286	287	288	289	290	291	292	293	294	295	296	297	298
	1,000	Mil.	Mil.	1,000	1,000	1,000	1,000	1,000			1,000	1,000	1,000	Mil.
1960 1959 1958 1958 1957	3,974	1,142 1,212 1,052 1,112 1,132	140 131 113 119 126	9,763 9,568 8,012 8,604 8,974	654 771 787 735 602	3,242 3,481 3,750 3,943 3,949	185	58 68 49 58 64	1,140	*7 116 705 396	97 67		107	37 2.05
1955 1954 1953 1952 1952	3,697	1,057 960 1,028 864 1,070	104 93 92 65 111	7,929 6,448 7,260 6,556	507 377 524 566	3,919 2,659 1,494 830	72	74 52 93 55 65	1,409	886 315 386 117 179	38 36 84 79 96		108	1.75
1950 1949 1948 1947	4.148	1,200 975 1,030 999	98 71 94 89	14.067	3,415	760	76	66 34 47 53	1,718	964 933 891 861	44 95 115 96		218	2.88
1946 1945 1944 1948 1942			52 37					73 38 33 209 197 80	3,213 1,438 1.164	1,337 931 1,003 685 418	55 82 75 71			
1941								88 42 88 27	1,018 1,107 560	349 257 276	83 64			
1939 1938 1937 1936	1.493	501		9,839	475 58		12	24	355 346 615 202	276 434 629 191	26 17 79 47	1 1	106	1.25
1985 1934 1933	1,017	388		5,669 3,648	23			19	205 110 63 123	205 195 7 71	9 25 2 3	1 i	98 53	.66
1931	818	320		8,748	74				1.134	290 1,481	14	1	27	.26
1929	760	352 335		1,980	152 59	** 603 ** 988			1,161 747 1,176 1,770	2,202 1,462 1,975 2,800	77 85 48 64 91	8	106	.31
1925		267 233 155		2,350	(89)	39 642 			1,285 2,036 3,785 1,534 1,823	2,383 2,491 1,963 1,096 1,159	109 115 178 68 46	22 40 34	196 193 67	.30
1920 1919 1918 1918 1917	-	40 225			(89)	*9 2,230			3,672 3,272 6,475 5,446 4,075	903 391 1,572 1,955 1,802	76 157 108 140 129	216	342	.47
1915		40 89		-					2,085 2,235 5,332 4,915	1,866 3,366 2,779 2,818	70 98 186 126	538	534	.30
1911		40 67							3,530 4,755 2,887 2,342 7,362	3,466 4,288 2,749 1,637 5,353	171 87 68 275	828	588	.17
1906		60 118							6,952 5,491 3,441 5,152	3,084 2,500 2,144 2,007	233 163 61 153	987	644	.23
1902									4,070 3,384 3,153 2,475	1,948 2,055 1,636 1,305	163 137 116 120	905	570	1.11

Series P 231-300. Physical Output of Selected Manufactured Commodities: 1860 to 1970—Con.

		ransportatio uipment—C				'ransportatio uipment—C				ransportatio			Transpo equipmen	
Year	Loco- motives produced	Railroad passenger cars produced	Railroad freight cars produced	Year	Loco- motives produced	Railroad passenger cars produced	Railroad freight cars produced	Year	Loco- motives produced	Railroad passenger cars produced	Railroad freight cars produced	Year	Railroad passenger cars produced	Railroad freight cars produced
	293	294	295		293	294	295		293	294	295		294	295
			1,000				1,000				1,000			1,000
1898 1897 1896 1895	1,875 1,251 1,175 1,101	699 494 4 74 4 30	100 44 51 38	1890 1889 1888 1887	2,300 1,860 2,180 2,044	1,654 1,580 1,452 1,277	104 71 72 78	1882 1881 1880 1879	2,282 1,977 1,405	1,711 1,188 685 524	68 74 46 26	1875 1874 1873 1872 1871	185 256 280 387 185	9 5 6 9
1894 1893 1892 1891	695 2,011 2,012 2,165	516 1,986 2,195 1,640	17 57 98 96	1886 1885 1884 1883	1,436 800 1,149 2,067	953 813 1,063 2,135	42 13 25 45	1878 1877 1876		211 708 836	9 7 8	1011	185	2

	Miscel	laneous		Miscell	aneous		Miscell	aneous		Miscell	aneous
Year	Pianos produced	Organs produced	Year	Pianos produced	Organs produced	Year	Pianos produced	Organs produced	Year	Pianos produced	Organs produced
	299	300		299	300		299	300		299	300
	1,000	1,000		1,000	1,000		1,000	1,000		1,000	1,000
1967 1963 1958 1954 1947	199 214 159 152 148	41 141 .9 88 .6	1939 1937 1935 1931 1929	111 103 61 51 121	1.7 1.3 2.7	1927 1925 1923 1921 1919	212 303 344 218 338	3.1 4.4 7.8 7.9 26.4	1914 1909 1904 1899	323 364 261 172	40.5 64.1 113 107

- * Denotes first year for which figures include Alaska and Hawaii.

 Represents zero. NA Not available. Z Less than 500 short tons.

 Figures for 1915–1929 are for crop years ending June; all others are for calendar years. The 1914 crop year figure is 114.2 million barrels. The 1929 calendar year figure is 120.0 million barrels.

 Figures are for years ending June 30.

 Prior to 1959, shortening only; figures for salad and cooking oils not collected.

 Includes large and small sizes.

 Data for 53 weeks.

 Includes boys' uniform clothing.

 Excludes separate coats.

 Includes children's and infants'.

 Alcoholic content limited to 3.2 percent by weight from Apr. 7—Dec. 5, 1933.

 Includes 1,589 thousand barrels produced prior to Apr. 7 (effective date of the Act of Mar. 22, 1933).

 From beginning of series through 1939, represents amount produced.

 Beginning 1964, includes kerosene type jet fuel.

 Tufted only.

 Represents only reported quantities produced; not adjusted to include estimated production for establishments not reporting.

 For 1939–1949, excludes flakes and powders; for 1939–1942, also excludes solids.

 Amount for sale.

 Beginning 1959, includes Hawaii.

 Beginning 1953, includes Production by basic oxygen process, not shown separately here.

- here.

 19 Represents shipments of heavy steel structural shapes; comparable figure for 1968 is 5,557 thousand.

 1968 is 5,557 thousand. ²⁰ Represents shipments of steel products; comparable figure for 1968 is 91,856 thousand.

- 21 Bessemer included with open hearth.

- 21 Bessemer included with open hearth.
 22 Includes bicycle tires.
 23 Excludes motorcycle tires.
 24 Excludes motorcycle tires.
 25 Prior to 1961, represents thousands of short tons of metal consumed in manufacture of cans. Comparable figure for 1961 is 5,039 thousand.
 25 Prior October-December, excludes standard portable typewriters and specialized typewriters (i.e., specialized composing typewriters, coded media typewriters, and input/output typewriters).
 27 Represents tinplate cans shipped.
 28 Excludes other than free-standing ranges.
 29 Excludes specialized typewriters.
 30 Listed as self-contained window sill type.
 31 Amount produced.
 32 Represents trapedres booked rather than shipments; comparable figure for 1944 is

- 30 Listed as self-contained window sill type.

 31 Amount produced.

 32 Represents orders booked rather than shipments; comparable figure for 1944 is

 226 thousand.

 33 2½ kw. and over.

 43 Represents sales.

 45 Includes disk stoves and hotplates.

 46 Includes rebuilt locomotives.

 47 Represents shipments. For bicycles, 1963 and 1967, excludes children's 2-wheel sidewalk cycles with semipneumatic tires.

 48 Civilian only.

 49 For phonographs, amount produced, 1921–1929. Radio-phonograph combinations included with phonographs, 1919–1925.

 40 Not strictly comparable with later years because of changes in classification.

 41 Represents electronic organs shipped.

Series P 301-317. Total Production Capacity of Selected Manufacturing Industries: 1887 to 1970

[In thousands of short tons unless otherwise stated. Capacity is usually rated as of January 1. See text for exception]

				Lead r	efining				Crude	Co	ke						
Year	Blast fur- naces (pig iron)	Steel ingots and steel for cast- ings 1	Copper refin- ing ²	Silver- lead refin- eries	Smelt- ers and refiners of Mis- souri lead	Zinc refin- ing ³	Alu- minum ingots	Port- land cement	petro- leum refin- ing (mil. 42- gal. bbl.)	By- product (slot type)	Bee- hive	Carbon black	Sulfuric acid	Phos- phatic ferti- lizers 4	Total com- bined nitro- gen	Rayon and acetate yarn, staple and tow	Paper and paper- board
	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317
1970 1969 1968 1967 1966			2,676 2,676 2,643 2,522 2,431	422	435 415 390 800 120	1,253 1,288 1,310 1,294 1,264	4,121 3,863 3,668 3,319 2,968	93,349 98,682 93,521 91,588 89,194	4,407 4,285 4,221 3,927 3,830			1,877 1,832 1,668 1,551 1,464	29,676 29,537 28,544 28,815 28,385	4,290 4,149 4,695	12 194	857 865 858 843 860	58,372 56,241 53,978 51,410 48,073
1965 1964 1963 1962 1961			2,421 2,365 2,335 2,335 2,342	488 488 488 488 488	120 120 120 120 120 120	1,252 1,203	2,795 2,553 2,509 2,489 2,484	88,451 86,757	3,933 3,801 3,693 3,682 3,654		4,616	1,467 1,327 1,282 1,287 1,264	24,857 22,924 20,936 19,701 17,848	3,834 3,482 3,231 2,823 2,743	8,869 7,634 6,693 5,810 5,207	855 818 747 727 711	46,250 44,671 43,423 42,800 41,334

Series P 301-317. Total Production Capacity of Selected Manufacturing Industries: 1887 to 1970—Con. [In thousands of short tons unless otherwise stated]

Year	Blast fur- naces (pig iron)	Steel ingots and steel for cast-ings 1	Copper refining 2	Lead residence silver-lead refineries	Smelt- ers and refiners of Mis- souri lead	Zinc refin- ing ²	Alu- minum ingots	Port- land cement	Crude petro- leum refin- ing (mil. 42- gal. bbl.)	By- product (slot type)	Bee- hive	Carbon black	Sulfuric acid	Phosphatic fertilizers 4	Total com- bined nitro- gen	Rayon and acetate yarn, staple and tow	Paper and paper- board
	301	302	303	304	305	306	307	308	309	310	311	312	313.	314	315	316	317
1960 1959 1958 1957 1956	96,521 94,635 91,000 86,818 85,485	148,571 147,634 140,743 133,459 128,363	2,332 2,309 2,109 2,064 2,064	488 488 560 560 628	248 248 248 258 258	1,191 1,176 1,173 1,159 1,161	2,464 2,403 2,230 1,776 1,589	5 77,906 74,596 70,385 64,699 58,562	6 3,624 3,584 3,434 3,330 3,159	81,448 82,498 80,299 79,965 79,676	4,369 5,020 5,503 5,766 6,285	1,174 1,051 1,028 1,085 1,016	17,609 15,950 19,500	2,672 2,641 2,423 4,550 4,590	4,818 4,520 3,879 3,711 3,631	734 732 709 768 750	37,351 35,021
1955 1954 1953 1952 1951	83,971 82,001 79,380 73,782 72,472	125,828 124,330 117,547 108,588 104,230	1,862 1,896 1,647 1,599 1,599	628 628 628 628 628	258 258 242 238 238	1,110 1,094 1,014 995 966	1,388 1,311 1,142 846 750	55,324 54,050 52,624 52,156 49,712	3,074 2,923 2,788 2,684 2,542	78,596 78,258 76,428 74,228 72,488	8,078 10,073 12,005 13,859 11,572	990 966 975 1,030 942	14.220	3.432	8,194 2,474 2,002 1,955 1,593	785 826 805 745 708	29,089 27,854 26,789
1950 1949 1948 1947 1946	71,560 70,542 67,439 65,709 67,341	99,983 96,121 94,233 91,241 91,891	1,557 1,547 1,557 1,585 1,720	628 628 653 653 737	238 238 238 238 238 238	986 974 1,000 1,000 1,100	633 679 676 762 785	48,000 47,326 46,362 45,086 45,108	2,444 2,350 2,209 2,033 1,940	73,710 74,500 72,549 71,118 71,899	8,672 9,076 8,844 8,427 8,095	743 668		2,834 2,604	1,565 1,389 1,389 1,394 1,384	641 587 586 511 446	25,048 23,389 22,025 20,420 20,282
1945 1944 1948 1942 1941	67,314 67,921 64,188 60,607 57,775	95,505 93,854 90,589 88,887 85,158	1,720 1,595 1,563 1,561 1,549	767 767 767 767 845	246 279 (Z) 361 313	1,084 1,097 1,069 950 787	704 1,164 771 391 245	44,915 45,319 46,669 46,416 47,707	1,985 1,864 1,789 1,809 1,722	72,330 71,378 64,555 62,562 62,220	10,409 11,210 (Z)	663 472 395 330 313	10,500	2,291	1,327 1,191 797 455 890	370 300	18,755 18,492
1940	55,724 56,326 56,782 55,557 55,854	81,619 81,829 80,186 78,148 78,164	1,572 1,642 1,642 1,642 1,613	851 851 863 809 785	317 317 317 317 317 383	1,313 1,346 1,413 1,368 1,379	188 131 144 133 130	48,142 48,071 47,982 48,035 49,240	1,694 1,646 1,588 1,568 1,507	62,727 62,076	l	317 813 317 317 261		1,692	380 375 370 359 342	163	16,557 16,191 15,573 14,458 13,986
1935 1934 1933 1932 1931	57,098 57,248 56,511 57,949 58,979	78,452 78,128 76,767 76,898 75,328	1,624 1,624 1,612 1,612 1,630	799 895 823 781 775	333 417 417 417 417	1,489 1,489 1,458 1,424 1,447	130 132 134 132 125	49,389 50,645 51,006 51,108 50,768	1,481 1,480 1,420 1,469 1,439	62,645 63,491	(Z) (Z) (Z)	265 240 231 227 249			341 341 347 357 261	105	13,888 13,728 13,728 13,972 13,643
1930 1929 1928 1927 1926	57,882 56,596 58,701	71,042 69,584 66,960 65,344 62,925	1,528 1,520 1,520 1,490 1,375	711 711	407 407 437 437 437	1,491 1,575 1,697 1,692 1,625	113 100 83 82 (NA)	48,676 45,816 42,691 40,476 36,389	1,874 1,281 1,190 1,117 1,041	60,167 60,357 57,852 52,666 48,184	(Z) (Z) (Z) (Z) (Z)	270 263 228		1,644	236 212 116 66 65		13,704 12,933 12,536 12,000 11,623
1925 1924 1928 1922 1921	59,006	65,962 64,137 63,383 68,135 61,928	1,848 1,848		427 872 872 848 348		(NA) (NA) (NA)	32,919 30,429 27,486 26,693 27,523		45,058 43,763 43,854	(Z) (Z) (Z)				55 54		10,500 9,725 8,970 8,614 8,540
1920 1919 1918 1917 1916	55,182 53,701 51,368 50,438	60,220 59,174 57,083 58,914 49,266	1,884 1,408 1,408 1,244 946				(NA) 63 (NA) (NA) (NA)	25,209 25,869 25,709 25,132 24,402	434	21,600	49,300 51,000 58,000 55,000			1,447 			7,671 7,500 7,000
1915 1914 1913 1912 1911	49,784 49,723 48,448	44,454 42,678	889 884 824 747 724				45 (NA) (NA) (NA) (NA)	21,620 20,680 21,150		16,600 15,000 12,800 10,200 8,600	58,900					i	6,440
1910 1909 1908 1907	34,074	36,545	644 587 581 568				17	17,578		(Z) (Z)	58,200 57,100			943			5,298
1905 1904 1901 1900 1898	27,262 28,961 18,124	26,919 28,276 15,639												336			3,858 2,782
1896 1895 1894 1892		13,236 10,780 8,332					(Z) (Z)										
1891 1889 1887		7,195 5,852					(Z) (Z)										

^{*} Denotes first year for which figures include Alaska and Hawaii.

NA Not available. Z Less than 500 tons.

¹ From open hearth, Bessemer, crucible, and electric furnaces.
² 1944-1970 includes electrolytic refining capacity plus Lake Superior and firerefined; 1907-1943, electrolytic capacity only.

^{* 1941-1970,} slab zinc; 1926-1940, distillation and electrolytic zinc; 1921-1925, distillation zinc.
* Available phosphoric oxide (P₂O₃).
* Beginning 1960, includes Hawaii.
* Beginning 1960, includes Hawaii; includes Alaska for all years.

Series P 318-374. Value of Output of Finished Commodities and Construction Materials Destined for Domestic Consumption at Current Producers' Prices, and Implicit Price Indexes for Major Commodity Groups (Shaw): 1869 to 1939

[In millions of dollars]

					Perishable	•					s	Semidurable	В	
	Total, all finished	E 4.1	Food and prod	kindred ucts	Cigars,	Drug, toilet, and	Maga- zines, news-	Fuel and prod		m 4.1	Dry	Clothing	Shoes	
Year	commod- ities	Total	Manu- factured	Non- manu- factured	rettes, and tobacco	house- hold prepara- tions	papers, misc. paper supplies, etc.	Manu- factured	Non- manu- factured	Total	goods and notions	and personal furnish- ings	and other footwear	House- furnish- ings
	318	319	320	321	322	323	324	325	326	327	328	329	330	331
1939 1938 1937 1936	31,277.7 28,156.7 33,667.8 30,258.1	16,073.5 15,721.6 17,295.3 16,239.0	9,402.3	3,683.0	1,274.1	818.4	601.9	1,835.0	180.6	5,490.6 4,852.7 5,591.3 4,775.8	712.9	3,258.6	828.3	340.1
1935 1934	26,744.7 23,166.7	14,571.7 12,987.2	7,884.9	3,183.6			527.2	952.2	199.7	4,937.6 4,501.6	576.0	8,039.1	698.4	273.7
1935 1934 1933 1932 1931	18,454.1 17,727.8 24,243.3	14,571.7 12,987.2 10,872.9 10,754.9 13,431.7	5,509.5 5,183.0 6,730.2	2,451.1 2,408.1 3,133.4	910.7 1,006.6 1,154.9	624.4	470.1 492.6 573.5	707.2 830.6 740.2	198.3 209.5 290.5	3,772.8 3,526.1 4,931.4	390.4 317.5 1459.4	2,274.6 2,183.4 3,087.9	597.3 546.3 705.1	218.2 187.5 256.6
1930 1929 1928 1927 1926	31,260.7 37,782.6 35,892.9 34,410.2 35,856.6	18,384.0 17,911.1	9 463 9	3,996.8 4,358.3 4,466.9 4,360.2 4,467.4	1,243.6 1,168.7 1,164.5	984.2 932.3 851.9	644.8 683.9 661.6 648.4 632.8	1,153.8 958.9	366.3 412.3 416.4 452.5 513.4	6,069.4 7,458.3 7,383.2 7,390.7 7,295.6	574.4 791.0 769.1 798.6 803.5	3,767.8 4,516.4 4,385.6 4,360.2 4,186.6	860.3 1,081.9 1,074.9 1,077.6 1,073.9	347.8 416.5 401.5 396.9 438.1
1925 1924 1923 1922 1921	34,046.3 30,957.7 32,168.5 27,393.8 25,864.0	16,870.5 15,573.6 15,176.0 14,059.4 14,022.9	8,684.0 7,981.3 7,554.6 6,837.6 6,548.7	4,335.8 3,948.0 4,012.9 3,843.0 4,182.4	1.050.3	698.5	499.9	990.1 781.3 746.4 888.4 714.9	383.5 508.2 562.7 363.9 487.3	7,134.0 6,401.4 7,230.3 6,313.9 5,631.7	816.0 700.7 861.9	4,149.2 3,743.9 4,347.4 3,865.4 3,345.3	1,044.8 1,061.7 1,128.2 993.0 953.5	404.8 358.4 377.3 307.1 277.9
1920		19,236.2 17,392.4 17,215.5 15.807.2	10,801.4 9,468.2 9,312.4	4,696.3 4,720.2 4,709.0 4,280.8 3,907.2 2,693.6	864.0 629.5	667.8 660.1 636.1 511.5	458.7 445.5	1,044.8 668.4 630.7 580.7 425.7 262.5	556.8 419.5 444.5 416.5 366.9 261.7	7,872.8 7,019.9 6,770.2 6,076.1 4,790.6 3,573.7	890.9 854.8	4,382.8 3,932.9 3,817.9 3,361.1 2,622.7 2,025.3	1,368.2 1,254.2 1,187.6 1,043.2 863.4 705.5	390.5 324.0 212.0 199.9 156.7 112.2
1915 1914 1918 1912 1911	13,986.1 14,054.0 14,632.8 14,028.0 12,749.4	8,079.8 8,296.5 8,230.2 8,100.8 7,491.3	4,342.1 4,484.8 4,441.9	2,310.3 2,380.1 2,315.9 2,410.5 2,235.7	478.6 500.9 506.8 468.9 460.4	289.0 294.9 289.4	255.6 254.4 243.9 233.6 211.3	141.7 160.4 191.3 142.0 119.1	220.5 226.9 235.3 214.0 205.9	2,635.7 2,709.5 2,900.2 2,754.4 2,571.4	317.0 337.8 348.6 363.2 326.3	1,533.9 1,598.1 1,721.6 1,656.7 1,560.0	520.6 523.8 583.8 531.4 500.8	85.8 90.0 95.5 85.5 80.0
1910 1909 1908 1907 1906	\$ 12,659.2 11,825.3 10,191.1 11,524.3 10,752.5	7,386.0 6,922.1 5,988.1 6,452.7 5,912.7	3,617.7	2,306.1 2,112.5 1,915.7 1,886.9 1,719.6	399.8	250.3 234.1	156.8	121.0 124.7 125.8 128.5 102.9	194.8 175.8 181.3 196.5 161.3	2,417.3 2,447.0 2,155.5 2,310.1 2,244.2	349.5 368.0 295.5 375.5 348.2	1,408.3 1,459.7 1,287.0 1,335.4 1,314.7	452.1	83.0 75.0 60.1 68.2 69.5
1905 1904 1903 1902 1901	9,451.0 8,734.3 8,702.1 8,227.5 7,782.2	5,403.6 5,167.7 5,012.7 4,764.7 4,620.5	2,856.7 2,601.5 2,516.7 2,403.1 2,365.0	1,540.0 1,614.9 1,518.9 1,519.3 1,420.9	357.2 339.2 346.0 325.1 327.9	215.8 182.3 183.1 174.0 155.2	172.5 159.7 154.2 151.3 134.9	94.4 109.2 111.5 89.7 84.7	167.0 160.8 182.3 102.2 132.0	1,925.3 1,746.5 1,734.7 1,613.8 1,528.5	318.3 285.1 302.1 298.7 271.1	1,099.7 992.6 981.8 892.8 837.9	395.9 368.9 352.5 325.9 327.4	55.7 52.9 53.9 53.2 49.4
1900 1899 1898 1897 1896	7,120.8 6,586.2 5,708.0 5,376.1 5,003.4	3,431.7	2,083.9 1,955.5 1,707.9 1,633.7 1,436.2	1,249.1 1,160.9 1,121.4 1,032.1 927.5	304.0 267.4 226.9 197.3 193.0	122.4 115.6	122.3 113.0 103.2 92.6 90.0	100.3 87.7 63.9 62.4 92.8	105.0 101.8 86.0 89.0 91.9	1,465.7 1,374.4 1,175.8 1,154.0 1,064.6	271.9 255.8 227.4 232.3 215.5	817.4 743.7 608.2 596.8 549.5	289.8 292.9 261.9 246.3 228.9	49.8 42.5 35.9 35.7 35.5
1895 1894 1893 1892 1891	5,227.2 4,752.3 5,500.4 5,331.3 5,284.3	3,119.1 2,916.3 3,314.4 2,908.8 2,964.9	1,443.7 1,337.9 1,555.3 1,251.4 1,308.5	1,079.0 1,012.3 1,182.7 1,062.3 1,079.2	202.4 218.1 218.5 230.5 226.6	104.7	94.1 92.9 98.3 109.3 101.2	95.8 61.9 54.0 52.1 62.7	92.9 90.3 100.7 98.5 88.9	1,114.7 970.9 1,124.2 1,255.8 1,196.9	259.4	542.2 478.1 566.9 632.8 603.3	236.0 228.0 233.6 263.8 244.2	36.4 32.4 35.9 37.0 35.3
1890	5,002.2 5,080.4 3,441.7 2,813.3	2,705.3 2,905.7 1,996.1 1,594.2	1,155.5 1,434.3 962.9 673.1	991.4 956.6 716.5 699.1	215.4 202.5 119.7 74.7	90.1 81.6 40.4 37.7	97.3 93.9 61.5 30.6	75.4 59.5 39.7 29.4	80.2 77.2 55.5 49.7	1,196.0 1,132.9 828.2 665.4	299.6 281.7 263.1 224.5	588.8 560.8 358.2 229.8	249.8 236.1 173.7 185.3	34.5 32.1 16.2 12.8

Series P 318-374. Value of Output of Finished Commodities and Construction Materials Destined for Domestic Consumption at Current Producers' Prices, and Implicit Price Indexes for Major Commodity Groups (Shaw): 1869 to 1939—Con.

[In millions of dollars]

	Semidurable—Con.		Consumer durable											
Year	Toys, games, and sport- ing goods	Tires and tubes	Total	House- hold furni- ture	Heating and cooking appa- ratus, etc.	Electrical house-hold appliances and supplies	Radios	House- furnish- ings	China and house- hold utensils	Musical instru- ments	Jewelry, silver- ware, clocks, and watches	Printing and publish- ing books	Luggage	Passen- ger vehicles, motor
	332	333	334	335	336	337	338	339	340	341	342	343	344	345
1939 1938 1937 1936		Ž61.2	4,973.1 3,747.3 5,742.1 5,158.0	478.7	341.0	332.6	218.0	640.9	241.6	52.0	272.6	161.6	42.5	2,212.9
1935 1934 1933 1932 1931	95.8 96.9 149.1	215.1 196.7 194.5 273.4	4,256.8 3,307.2 2,321.3 2,047.4 3,251.9	323.7 226.9 205.4 333.2	237.5 147.1 123.0 206.2	217.8 	167.4 	468.3 311.6 252.0 373.6	204.8 150.4 138.9 185.9	31.5 24.1 35.0 48.7	189.5 116.0 108.5 178.8	131.1 92.1 102.9 141.5	31.0 19.1 18.4 29.4	725.3 603.2 1,074.1
1930	182.2 214.6 200.9 182.5 177.2	336.9 437.8 551.0 574.9 616.3	4,272.6 6,312.0 5,936.1 5,435.8 6,109.0	441.4 600.4 629.3 625.5 638.2	254.2 347.3 314.2 339.4 364.3	160.0 176.7 152.7 146.3 137.5	230.6 366.0 298.7 181.5 206.7	402.7 643.3 627.5 584.7 591.6	196.4 274.0 275.7 229.3 271.6	103.4 111.9 148.6 176.2 189.3	263.8 402.7 396.3 387.6 398.9	174.3 192.3 179.7 172.1 155.4	44.5 70.3 67.9 65.9 66.4	1,538.0 2,567.0 2,294.9 1,967.8 2,504.3
1925 1924 1923 1922 1921	164.2 154.6 167.1 131.1 124.1	555.1 382.0 348.3 335.8 323.5	5,785.7 5,034.3 5,366.7 4,056.5 3,270.3	622.9 614.0 578.9 501.1 466.6	346.1 322.2 322.0 239.2 186.5	106.3 83.4 76.3 58.6 63.2	168.2 139.3 50.3 26.9 12.2	604.0 547.1 600.0 470.0 374.6	240.1 181.5 239.0 167.7 166.8	173.6 178.5 215.1 187.7 166.4	384.3 363.9 388.1 327.0 263.1	149.8 145.0 130.7 124.9 122.0	66.4 57.8 69.2 52.6 51.0	2,340.2 1,922.5 2,188.8 1,546.1 1,115.5
1920	148.8 155.8 146.4 125.8 198.5 113.0	678.9 546.6 515.4 491.3 329.1 156.1	4,899.3 4,075.6 3,921.2 2,646.9 2,799.0 2,396.1	620.5 509.0 494.7 329.0 300.6 271.7	345.6 242.5 263.5 216.8 194.2 142.5	82.8 65.1 84.5 67.5 58.8 41.2	17.0 14.3	574.8 430.2 375.2 320.1 288.6 234.9	265.7 201.7 230.1 197.6 221.7 160.9	264.2 242.0 248.3 144.2 134.7 116.2	383.2 427.8 409.7 194.9 219.2 221.7	140.0 128.2 127.4 99.2 89.8 76.7	78.2 70.4 64.2 52.2 36.7 39.6	1,628.3 1,292.6 1,286.9 762.7 996.7 873.7
1915 1914 1913 1912 1911	73.5 67.1 64.0 59.3 58.7	104.9 92.7 86.6 58.3 45.5	1,700.2 1,570.4 1,675.1 1,538.4 1,339.2	212.3 222.5 236.7 220.5 204.1	119.4 110.5 124.9 131.5 104.1	23.7 18.8 22.2 19.7 15.7		181.4 190.7 209.3 199.1 187.5	126.1 125.9 130.2 122.4 116.7	90.2 91.6 104.4 95.2 81.3	144.1 154.6 196.0 190.9 186.1	73.3 68.1 77.8 66.3 59.1	25.9 26.5 34.0 33.9 36.1	537.8 399.6 372.8 311.3 209.2
1910	54.4 52.9 43.3 60.9 50.4	36.0 23.4 17.5 15.6 12.5	1,331.6 1,212.8 1,011.0 1,178.1 1,129.5	202.4 192.0 152.6 185.1 190.3	97.3 93.8 84.2 101.2 103.4	16.3 11.8 7.7 10.2 8.0		195.7 184.2 147.1 182.8 185.8	114.1 102.9 93.6 120.7 122.6	77.6 76.8 63.0 87.8 81.2	186.1 175.9 128.6 180.9 174.0	60.3 62.9 53.8 56.8 55.9	32.8 28.5 23.6 27.7 23.9	203.8 154.3 132.2 89.6 62.7
1905 1904 1903 1902 1901	46.3 41.3 40.1 37.8 36.5	9.3 5.7 4.3 5.5 6.2	954.8 826.9 825.7 786.3 718.9	160.8 142.4 139.2 129.4 118.7	85.8 73.6 78.8 78.6 70.7	3.2		156.7 146.2 152.5 146.8 128.8	108.7 91.7 90.8 78.5 73.5	71.1 57.7 65.1 57.2 48.8	144.1 120.9 120.5 117.0 103.6	56.7 53.6 51.5 49.2 47.4	20.1 18.9 15.8 14.9 13.1	35.6 21.4 11.3 9.3 7.8
1900 1899 1898 1897 1896	29.0 27.0 23.4 24.8 25.4	7.8 12.7 19.0 18.1 9.8	658.7 634.3 528.9 506.5 475.2	106.9 104.1 89.4 88.4 90.2	61.9 59.2 46.3 50.7 45.6			126.8 115.6 95.4 96.0 90.6	69.5 60.9 52.0 51.0 51.0	42.4 34.2 27.8 24.5 22.8	100.0 97.1 74.0 63.6 58.5	44.3 45.0 40.8 33.7 34.6	12.0 12.6 8.8 8.8 9.2	6.0
1895 1894 1893 1892 1891	26.4 22.4 28.4 25.0 24.8	7.9	497.7 429.3 496.3 579.3 556.8	94.0 82.4 100.2 115.0 100.5	35.5 31.0 35.3 38.9 39.1			102.6 88.9 100.1 112.6 114.9	45.9 39.3 43.5 52.9 51.7	27.9 19.9 23.2 34.6 33.0	69.2 58.3 71.7 90.3 86.7	35.6 28.4 34.3 34.9 33.4	8.9 11.1 12.9 15.6 13.9	
1890 1889 1879 1869	23.3 22.3 17.0 13.0		538.7 499.2 304.3 262.7	95.3 93.4 65.2 58.5	37.9 38.9 23.0 26.4			103.9 97.6 56.7 40.1	49.3 46.4 31.2 26.0	32.9 28.2 14.3 10.8	90.2 74.5 43.3 41.6	83.9 84.7 19.1 8.4	13.4 10.7 7.1 7.7	

VALUE OF OUTPUT

Series P 318-374. Value of Output of Finished Commodities and Construction Materials Destined for Domestic Consumption at Current Producers' Prices, and Implicit Price Indexes for Major Commodity Groups (Shaw): 1869 to 1939—Con.

[In millions of dollars]

		С	onsumer du	ırable—Co	n.					Producer	durable			
Year	Motor vehicle acces- sories	Passen- ger vehicles (horse drawn) and acces- sories	Motor- cycles and bicycles	Pleas- ure craft	Ophthal- mic products and arti- ficial limbs	Monu- ments and tomb- stones	Total	Indus- trial machin- ery and equip- ment	Tractors	Electrical equipment, industrial and commercial	Farm equip- ment	Office and store machin- ery and equip- ment	Office and store furni- ture and fixtures	Loco- motive and rail- road cars
	346	347	348	349	350	351	352	353	354	355	356	357	358	359
1939							4,740.5							
1938							3,835.1 5,039.1							
1937 1936	594.6		30.8	25.4	70.9	26.0	5,039.1 4,085.3	1,883.7	223.7	673.8	668.5	204.9	176.8	119.1
1935 1934	463.6		16.8	14.1	50.1	21.3	2,978.6	1,126.0	133.3	361.2	345.3	140.6	111.1	33.0
1933	228.2		7.5	4.8	39.1	20.8	2,370.7 1,487.1	577.1	12.6	200.9	78.8	78.8	70.3	13.6
1932	211.9		4.6	9.3	32.0	25.7	1.399.4	525.8	15.8	215.5	70.9	78.5	74.9	37.0
1931	273.1		7.7	16.8	40.3	43.6	2,628.3	938.2	19.6	499.5	163.4	116.5	151.7	78.0
1930	326.1		9.2	24.6	48.3	54.9	4,328.2	1,457.8	95.4	722.2	338.5	165.3	203.5	352.7
1929 1928	407.6 411.7		10.6 12.0	$\frac{26.2}{17.4}$	52.1 48.7	63.6 61.0	5,628.4 4,662.5	2,017.2 1,644.1	121.8 104.1	1,000.1 895.0	386.5 356.5	217.8 213.6	288.7 245.8	347.6 245.1
1927	419.8		10.1	17.8	49.7	61.9	4,320.2	1.476.0	91.3	741.2	340.4	201.2	249.0	318.5
1926	440.2		11.9	22.4	46.6	63.8	4,667.5	1,606.8	87.4	776.4	355.4	200.1	242.3	399.3
1925	444.3		11.3	15.0	46.6	66.8	4,256.0	1,486.4	70.3	666.2	306.5	196.4	236.1	353.1
1924	337.2 355.8		13.0	14.0	48.6 58.5	66.4 65.6	3,948.5 4,395.5	1,303.8 1,510.9	52.1	655.0	265.9 315.5	179.2 182.0	229.5 201.3	481.1
1923	243.4		16.3 8.9	$12.1 \\ 6.2$	48.6	47.6	2.964.0	1,085.2	63.5 43.4	598.1 415.8	160.7	132.4	136.8	635.5 265.6
1921	169.5		10.2	9.4	46.6	46.9	2,964.0 2,939.1	922.8	49.6	406.6	248.1	114.0	115.5	313.6
1920	313.4		20.8	14.7	67.8	82.3	5,277.0	1,635.8	197.4	557.9	270.6	160.6	135.1	563.3
1919 2	282.6		24.0	13.9	58.2	73.4	5,544.5	1.434.3	171.6	460.8	394.6	156.4	100.3	560.7
1919 ²	168.0 85.8	26.4 35.3	19.0 18.9	5.1 1.5	45.0 71.1	73.4 50.0	5,358.4 5,449.7	1,440.5 1,575.8	152.6 136.6	365.7 339.9	343.8 301.8	125.4 157.8	86.4 65.7	460.9 734.0
1917	120.5	38.8	16.7	3.3	36.5	42.3	3.781.8	1,358.1	50.7	325.2	250.0	140.5	61.3	610.6
1916	104.0	31.0	16.3	4.0	23.9	37.9	2,526.3	906.0	25.8	253.9	237.1	98.8	51.6	363.4
1915	61.0	30.5	13.3	3.4	20.2	37.5	1,570.4	536.8	22.7	160.2	205.1	63.0	43.3	142.2
1914	49.9	35.6	16.2	3.6	15.5	41.0	1,477.6	460.2	16.7	147.0	187.8	50.9	50.8 54.3	203.2 422.5
1913 1912	46.1 39.3	40.1 41.6	21.9 12.0	4.1 3.9	12.3 10.6	42.1 40.3	1,827.3 1,634.5	543.4 517.1	4.4 8.1	177.1 162.1	$202.4 \\ 187.3$	55.4 50.2	54.3 54.3	422.5 303.4
1911	26.3	45.9	9.4	4.3	10.9	42.4	1,347.6	476.6		133.5	168.2	43.8	48.7	161.7
1910	26.9	53.3	7.3	4.4	10.7	42.6	31.524.2	512.4		144.4	170.6	48.4	50.1	203.3
1909	21.1	49.8	5.6	4.3	10.5	38.4	1.243.4	446.9		111.2	166.5	40.1	48.6	127.0
1908 1907	17.3 11.3	48.8 63.8	4.9 6.5	3.4 6.1	$9.3 \\ 9.4$	40.9 38.3	1,036.5 1,583.5	331.2 510.9		83.2 127.5	$137.7 \\ 161.6$	27.9 42.7	40.4 49.1	137.1 351.2
1906	7.8	62.4	4.9	4.3	7.9	34.5	1,466.1	504.6		119.9	160.5	38.8	50.7	299.4
1905	4.3	61.2	5.4	3.8	7.1	28.7	1,167.3	404.7		84.9	130.2	28.0	43.1	214.3
1904	2.5	57.8	2.5	3.1	5.6	25.7	993.2	327.1		75.9	125.2	20.3	38.2	162.7
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			Consumer de	urable—Con.					Producer du	ırable—Con.		
Year	Passenger vehicles (horse drawn) and accessories	Motor- cycles and bicycles	Pleasure craft	Ophthal- mic products and artificial limbs	Monu- ments and tombstones	Total	Industrial machinery and equipment	Electrical equipment, industrial and commer- cial	Farm equipment	Office and store machinery and equipment	Office and store furniture and fixtures	Loco- motive and railroad cars
	347	348	349	350	351	352	353	355	356	357	358	359
1903 1902 1901	56.7 58.8 64.1	4.2 6.4 7.7	3.6 3.5 3.7	5.8 5.7 5.2	25.9 27.9 23.2	1,129.0 1,062.7 914.3	405.9 371.3 330.3	91.9 80.6 68.5	120.2 152.9 110.4	23.9 21.9 18.9	37.8 33.6 30.2	194.6 157.8 127.4
1900 1899 1898 1897 1896	50.1 53.5 43.5 40.9 39.3	10.5 18.9 27.8 27.0 14.9	2.7 2.1 1.4 1.2 1.2	4.7 4.8 4.3 4.0 3.8	18.4 20.3 17.5 16.6 13.4	895.6 756.6 571.6 492.9 519.6	347.6 267.5 194.9 182.3 209.8	68.2 56.1 34.3 24.4 20.5	100.6 99.4 85.6 58.4 46.6	19.7 14.3 10.6 9.7 11.6	27.2 24.2 21.4 21.8 22.5	130.0 114.1 82.1 67.7 75.2
1895 1894 1893 1892 1891	45.2 50.9 58.5 63.3 62.4	14.1	1.3 1.0 1.4 1.5 1.6	3.7 3.3 3.3 3.2 2.9	13.8 14.9 11.9 16.6 16.7	495.7 435.7 565.5 587.4 565.7	193.1 157.7 184.9 196.5 185.5	20.0 15.8 16.6 22.7 23.7	59.3 58.7 71.2 75.4 75.3	10.7 8.6 9.5 9.8 9.0	23.7 21.2 26.1 30.1 26.8	53.7 47.4 104.1 90.9 87.6
1890 1889 1879 1869	60.4 54.0 35.1 35.7	1.9	1.5 1.5 .9 .6	2.6 2.3 .8 .4	17.3 15.2 7.5 6.6	562.2 542.6 313.1 291.0	185.6 184.5 98.6 110.4	21.8 13.1 1.9	89.0 83.9 67.3 50.0	8.7 8.2 3.6 3.1	25.8 25.6 15.9 13.6	81.5 87.8 36.3 40.8

Series P 318-374. Value of Output of Finished Commodities and Construction Materials Destined for Domestic Consumption at Current Producers' Prices, and Implicit Price Indexes for Major Commodity Groups (Shaw): 1869 to 1939—Con.

[In millions of dollars]

		·	Produc	er durable	-Con.			Const	ruction ma	terials		[mplicit pri	ce index (1	913 = 100)
Year	Ships and boats	Business vehicles, motor	Business vehicles, horse- drawn	Air- craft	Professional and scientific equipment	Car- penters' and me- chanics' tools	Misc. sub- sidiary durable equip- ment	Total	Manu- factured	Non- manu- factured	Perish- able	Semi- durable	Con- sumer durable	Pro- ducer durable	Con- struc- tion ma- terials
	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374
1989 1988 1987 1 9 86	128.6	496.6		48.4	49.8	95.8	269.9	3,701.6 3,159.0 3,945.8 3,331.5			4 110.6 4 114.6 126.4 4 122.6	4 123.1 4 122.7 132.6 4 120.6	4 92.1 4 92.8 91.9 4 90.8	5 110.4 4 112.8 112.1 4 102.0	159.0 159.0 167.3 152.2
1985 1934 1983 1982 1981	48.2 30.4 49.7 82.0	359.3 159.0 125.5 247.0		19.1 16.5 14.1 30.0	32.0 31.7 48.6	66.3 49.1 31.0 53.9	198.8 168.1 129.0 199.9	2,375.0 1,909.9 1,536.1 1,362.7 2,552.1			122.4 4107.8 95.0 96.7 114.1	119.2 4120.6 105.0 93.6 109.2	93.6 498.5 96.8 98.0 99.8	99.6 4107.6 104.6 112.9 117.2	149.8 151.4 136.0 126.8 140.2
1980 1929 1928 1927 1926	94.9 78.2 60.4 70.8 86.5	373.0 510.8 318.3 302.3 377.2		28.8 56.0 51.1 19.4 17.6	91.6 109.6 92.1 87.7 86.5	99.8 124.6 131.6 104.2 110.2	304.7 369.7 304.9 318.4 321.9	3,779.8 5,007.5 4,793.8 4,845.2 5,111.5	li		135.1 147.4 150.0 146.9 154.3	122.0 130.7 131.7 137.4 150.4	104.3 106.4 105.4 104.0 98.8	125.6 131.1 136.5 138.5 138.4	158.4 167.8 165.6 166.6 175.6
1925 1924 1923 1922 1921	55.7 67.4 73.1 93.6 272.7	389.6 323.4 321.8 237.2 170.4		10.5 10.9 11.5 8.8 6.1	74.9 66.0 64.7 51.7 48.8	109.8 106.4 115.4 87.8 62.1	300.4 208.0 302.1 245.1 208.6	4,950.4 4,465.3 4,647.8 3,568.9 2,956.7			154.3 143.5 147.7 141.2 146.5	160.0 164.9 177.6 163.2 173.8	103.3 108.5 108.2 113.4 139.8	135.0 134.8 138.7 135.2 164.5	178.5 179.5 190.4 170.7 172.2
1920	808.1 1,381.3 1,389.5 805.3 243.8 103.7	332.9 344.3 344.0 417.0 189.1 111.6	42.5 50.6 51.1 37.4	8.7 10.0 8.4 174.7 21.3 1.4	74.8 62.0 74.5 119.2 57.0 32.5	128.7 120.6 174.8 210.6 131.7 97.5	403.0 347.6 349.3 360.7 291.6 205.6	4,777.1 3,508.1 3,703.2 3,217.5 3,058.6 2,627.8	3,224.5 2,824.6 2,702.9 2,309.5	478.7 392.8 355.7 318.2	213.4 196.5 199.9 182.8 161.1 120.6	265.6 219.0 212.4 206.2 161.0 117.6	157.8 134.5 136.4 121.9 100.8 90.4	181.0 184.1 185.0 175.7 145.5 120.5	262.0 202.7 202.7 174.5 154.9 119.0
1915 1914 1913 1912 1911	66.8 43.5 47.6 44.4 42.7	68.6 36.2 47.1 49.9 25.9	34.0 86.9 39.9 41.9 44.2	.6 .2 .2 .3	29.4 23.7 17.7 14.2 13.4	57.0 49.6 53.6 48.5 41.9	140.6 171.0 161.7 152.8 147.1	2,010.7 2,043.8 2,384.4 2,154.1 1,942.8	1,732.9 1,758.7 2,083.2 1,854.9 1,655.4	277.8 285.2 301.2 299.2 287.4	103.7 101.4 100.0 102.8 96.2	96.5 96.5 100.0 98.6 97.4	90.3 94.4 100.0 66.2 95.8	106.4 100.3 100.0 97.6 99.1	94.6 98.1 100.0 97.9 97.0
1910 1909 1908 1907 1906	40.8 38.2 34.4 66.3 54.8	12.5 7.3 3.5 2.3 1.8	48.3 43.0 40.2 49.5 46.2		12.6 12.4 8.0 11.8 10.7	49.1 47.7 35.7 52.7 43.4	151.6 154.6 157.4 157.9 135.2	2,049.7 1,992.5 1,820.1 2,111.5 1,911.1	1,728.0 1,686.7 1,513.9 1,770.1 1,622.8	321.7 305.8 306.3 341.4 288.3	100.0 96.9 92.3 89.7 84.9	100.9 99.3 96.0 102.6 98.2	93.5 90.4 96.6 97.7 89.1	95.3 94.3 89.3 93.6 90.6	97.6 94.8 93.3 101.0 96.6
1905	55.6 53.6 61.3 60.8 64.7	1.5	43.1 38.9 37.6 37.9 40.2		8.2 6.4 7.8 7.5 5.0	37.9 34.7 37.7 35.7 29.2	115.6 108.7 110.4 102.8 89.5	1,578.1 1,394.3 1,447.4 1,493.6 1,306.3	1,334.0 1,167.3 1,218.9 1,270.6 1,119.2	244.1 227.0 228.4 223.0 187.1	86.9 85.5 83.3 84.1 79.6	90.5 86.0 86.0 83.5 81.9	85.3 83.5 82.7 79.9 77.5	89.7 88.8 86.2 89.7 88.9	87.0 81.7 84.5 82.5 80.7
1900	20.8		25.9 24.2 23.0		5.3 4.0 3.2 2.7 3.2	26.9 24.5 19.8 16.8 18.6	91.8 83.9 69.4 64.2 67.9	1,222.7 1,006.3 937.8 963.4 880.3	1,046.8 855.7 795.8 821.0 751.4	175.8 150.6 141.9 142.4 128.9	80.2 75.4 74.9 72.0 70.9	86.7 81.0 77.3 75.5 75.5	77.0 70.0 67.5 63.0 63.8	90.0 88.1 82.5 75.9 66.1	85.8 80.7 69.9 67.1 71.8
1895 1894 1893 1892 1891	22.7 17.8 23.9 24.9 26.9		25.7 28.4 32.1 34.1 33.5		3.0 2.5 3.0 3.5 3.2	19.1 16.6 22.5 24.6 24.7	64.8 61.0 71.7 74.9 69.5	1,083.2 1,004.1 1,074.3 1,885.5 1,076.0	881.2 867.0 933.1 1,164.8 940.0	152.0 137.1 141.3 170.7 136.0	75.0 76.3 84.7 79.8 84.8	77.1 80.5 90.5 92.6 92.6	67.4 72.3 74.8 79.2 82.1	72.2 78.2 78.4 80.0 81.1	70.7 71.6 75.4 75.9 80.2
1890	24.6 24.7 19.4 11.5		32.0 28.4 18.0 18.1		3.2 2.9 1.6 1.6	23.6 20.8 13.4 10.5	66.5 63.8 37.1 31.4	1,216.5 838.9 444.2 377.4	1,070.5 712.2 365.9 324.8	146.1 126.7 78.3 52.6	86.1 88.3 86.6 141.2	94.9 95.6 102.2 158.5	82.3 81.9 83.2 119.4	87.7 88.2 95.4 163.8	84.3 85.0 81.4 107.4

Does not agree with source, which is in error.
 Shaw's estimates for 1869-1919; Kuznets' estimates adjusted by Shaw for 1919-1938. See source, p. 104, for explanation.
 Agrees with source; however, figures for components do not add to total shown.
 Indexes derived by weighting the individual group indexes by the average current

price estimates for 1933, 1935, and 1937. The composite indexes thus calculated were used to interpolate and extrapolate the implicit indexes for 1933, 1935, and 1937.

§ Based on the movement of the NBER price index for processed capital equipment goods.

Transportation

Highway Transportation (Series Q 1-263)

Q 1-263. General note.

In 1894, the Federal Government created an Office of Road Inquiry to initiate experiments and conduct inquiries concerning the best methods of road building. It was succeeded by the Office of Public Roads and Rural Engineering in 1916 and by the Bureau of Public Roads in 1918 (the latter was called the Public Roads Administration during 1939–1949). The bureau was transferred to the Department of Transportation in 1966 and its functions assigned to the Federal Highway Administration. Surveys of highway mileage, revenues, and expenditures were made in 1904, 1909, and 1914.

In 1916, Congress passed the first of the many Federal-aid highway acts, under which the Federal Government has contributed to the cost of constructing highways designated as parts of the Federal-aid system. The Federal Highway Administration administers Federal legislation providing for the improvement, in cooperation with the States, of roads on the Federal-aid primary, secondary, and interstate highway systems. As the principal road-building agency of the Federal Government, it also cooperates with the Forest Service, the National Park Service, and other Federal agencies in the construction of roads in national forests, parks, and other areas.

The principal sources (1973) of data on public roads and on ownership and operation of motor vehicles is the Federal Highway Administration's annual Highway Statistics and its Highway Statistics, Summary to 1965. Another major source of data is the Interstate Commerce Commission. Among its publications are the monthly Transport Economics and the Annual Report, containing data on all types of domestic transport and the annual Transport Statistics in the United States.

Various censuses conducted by the U.S. Bureau of the Census also provide data relating to transportation. Reports of the census of manufactures and the census of business and the Annual Survey of Manufactures present statistics on the motor vehicle and equipment industry and on retail, wholesale, and services aspects of this industry.

Q 1-11. Volume of domestic intercity passenger traffic, by type of transport, 1950-1970.

Source: U.S. Interstate Commerce Commission, Annual Report and Transport Economics, various issues.

Q 12-22. Volume of domestic intercity freight traffic, by type of transport, 1939-1970.

Source: U.S. Interstate Commerce Commission, 1939-1959, Intercity Ton-Miles, 1939-1959, Statement No. 6103; 1960-1970, Annual Report and Transport Economics, various issues.

This study is intended to show, on as nearly comparable a base as possible, the intercity ton-miles by the various means of transport. Information sufficient in quantity and accuracy is not available to cover all modes of transport on a comparable basis before 1939. Estimates of intercity ton-miles for a period from sometime before 1939 through part of World War II are contained in the Bureau of Transport Economics and Statistics release, Postwar Truffic Levels, Statement No. 4440, issued in 1944. These estimates, however, are not on bases comparable with those in the 1939–1959 series.

A ton, as used here, is 2,000 pounds; and a mile is 5,280 feet. A

ton-mile is a ton of freight carried one mile. These definitions apply to all means of transport covered. To this extent, all figures presented here are comparable. Further, as far as possible, local switching, local delivery, lighterage, and rural to rural movements have been eliminated to confine operations to intercity only.

Q 23-35. Operating revenues, by type of transport, 1936-1970.

Source: Except for series Q 28, U.S. Interstate Commerce Commission, 1936-1956, Statistics of Class I, II, and III Motor Carriers, 1939-1956, Statement No. 589; 1957-1970, Annual Report and Transport Economics, various issues, and unpublished data. Series Q 28, U.S. Federal Aviation Administration, FAA Statistical Handbook of Aviation, various editions.

Q 36-46. Employment in selected types of transportation, 1947-1970.

Source: U.S. Bureau of Labor Statistics, Employment and Earnings, United States, 1909-72, Bulletin 1312-9, pp. 526-532.

Q 36, total. Represents about 80 percent of all employment in transportation. Data for types of transportation other than those shown here are available in the source only for shorter and current periods.

Q 47-49. Indexes of transportation output, 1889-1966.

Source: 1889-1946, National Bureau of Economic Research, New York, Harold Barger, *The Transportation Industries*, 1889 to 1946 (copyright); 1947-1966, estimates by John W. Kendrick, George Washington University.

Sources of figures and methods of computation are described in Barger's book. The components of passenger traffic, series Q 48, are airlines, intercity buslines, waterways, and steam railroads. For freight traffic, series Q 49, the components are motor trucking, pipelines, waterways, and steam railroads.

Q 50-55. Mileage of rural roads and municipal streets, 1904-1970.

Source: U.S. Bureau of Public Roads, 1904-1920, Highway Statistics, Summary to 1955. U.S. Federal Highway Administration, 1921-1965, Highway Statistics, Summary to 1965; 1966-1970, Highway Statistics, annual issues.

Rural roads are defined roughly as those roads located outside of incorporated communities or delimited places generally having more than 1,000 inhabitants. Estimates for earlier years for total mileage of rural roads are (in thousands of miles): 1904, 2,151; 1909, 2,200; 1914, 2,446.

Municipal and other mileage figures for 1934 and 1935 represent only mileage on municipal extensions of State systems, which are State administered. Mileage not on State or county systems was initially included in 1936 (67,000 miles). Mileage on local city streets was first included in 1941 (274,000 miles for that year). Municipal extensions are continuations of State System roads through communities with more than 1,000 inhabitants. Although mileage in places having more than 2,500 inhabitants was not originally included in Federal-aid programs, those places have been eligible for such aid in more recent years.

Q 56-58. Surfaced mileage, 1904-1970.

Source: 1904–1940, see first source for series Q 50–55; 1941–1970, see other sources for series Q 50–55.

High-type surfaced roads include bituminous penetration, sheet asphalt, bituminous concrete, portland cement concrete, vitrified brick, and block pavements of asphalt, wood, and stone. For some years, they also include dual-type surfaces and a small amount of unclassified mileage. Low-type surfaced roads include sand, clay, selected soil, untreated gravel, bituminous surface-treated, mixed bituminous and treated gravel, chert, shale, waterbound macadam.

Q 59-63. Mileage built by State highway departments, 1923-1970.

Source: 1920–1933, see first source for series Q 50–55; 1934–1970, see other sources for series Q 50–55.

Mileage built is mileage on which construction work creates a newly located road or is regarded as significantly improving the condition of an existing road. It does not include work designed to maintain or restore the condition of an existing road without material betterment. Mileage resurfaced or rebuilt to higher standards is the bulk of mileage built. Construction of earth roads consists of aligning, grading, and draining. See also text for series Q 56-58.

Q 64-68. Mileage and cost of Federal-aid highway systems, 1917-1970.

Source: Series Q 64, U.S. Federal Highway Administration, 1923–1965, Highway Statistics, Summary to 1965; 1966–1970, Highway Statistics, annual issues. Series Q 65–68, U.S. Bureau of Public Roads, 1917–1955, Highway Statistics, Summary to 1955; 1956–1965, Highway Statistics, annual issues; 1966–1970, see source for series Q 64.

In 1912, the Congress authorized \$500,000 for an experimental program of rural post-road construction. However, it was not until the Federal-Aid Road Act of 1916 that the present cooperative Federal-State highway program was established on a continuing basis. In order to accelerate the improvement of the main traveled roads, Congress in 1921 authorized designation of a system of principal interstate and intercounty roads, limited to 7 percent of the total rural mileage then existing. The use of Federal aid was restricted to this system, and to rural mileage only.

Urban highway improvement first came in for its share of the Federal-State program when the Federal-Aid Highway Act of 1944 specifically authorized the use of funds for Federal-aid highways in urban areas. In addition, the Act provided for the designation of a Federal-aid secondary system and a National System of Interstate Highways. The Federal-Aid Highway Act of 1956 provided substantially increased sums for the Federal-aid primary and secondary systems for a 3-year period, and established a long-range plan for financing accelerated completion of the 41,000-mile interstate system.

Federal funds are available for expenditure only on the designated Federal-aid systems and, in general, must be matched by an equal amount of State funds. However, under the Federal-aid Act of 1954 the Federal share for the Interstate System was raised to 60 percent, and under the 1956 Act the proportion was increased to 90 percent. Federal aid may not be expended for maintenance. The cost of most Federal-aid projects is paid initially out of State highway funds, or in some cases by counties or other local governments. The Federal share is paid as reimbursement to the States as work progresses, with final payment made after completion.

Federal authorizations have usually been made on a biennial basis and apportioned among the States for use within a 3-year period. Figures for State funds shown here are based on legal matching ratios determined by applicable Federal-aid acts. In States having public lands in excess of 5 percent of their total area, the Federal share is proportionally increased.

Q 69-81. Class I intercity motor carriers of passengers and property, 1939-1970.

Source: U.S. Interstate Commerce Commission, Transport Statistics in the United States, part 7, annual issues.

Prior to 1950, class I for-hire motor carriers were classified by the Interstate Commerce Commission as those with \$100,000 or more of gross annual operating revenue; for 1950–1958, those having gross operating revenue of \$200,000 for a 3-year period; and, beginning 1969, those having gross operating revenue of \$1,000,000 for a 3-year period.

Q 82-96. State highway finances, 1890-1970.

Source: 1890-1920, see first source for series Q 50-55; 1921-1970, see other sources for series Q 50-55.

A State highway-user tax is defined as a special tax or fee (except tolls) levied upon motor-vehicle users because of their use of the highways. Highway-user taxes include motor-fuel taxes, motor-vehicle registration and associated fees, and special taxes applicable only to motor carriers; these taxes are separable and apart from property, excise, business, or other taxes paid by the general public.

In many States, specific portions of the revenue from each type of highway-user tax are allocated to particular highway purposes. A number of States, however, place all highway-user revenue in a highway fund, and a few have a general State fund into which go all types of revenue. For the latter group of States, each particular appropriation or expenditure for highway purposes is considered to have been made from motor-fuel taxes, motor-vehicle registration fees, and motor-carrier taxes in proportion to the relative amount of revenue received from each of these three sources.

The largest share of receipts from State highway-user taxes is expended on State highways, but a portion is also allocated for local roads and streets, and a small amount used for nonhighway purposes.

Q 97-112. Receipts and disbursements of highway funds by counties and townships, 1921-1970.

Source: U.S. Federal Highway Administration, 1921-1964, Highway Statistics, Summary to 1965, tables LF-201 and LF-202; 1965-1970, Highway Statistics, annual issues, tables LF-1 and LF-2.

Q 113-128. Receipts and disbursements of highway funds by municipalities, 1921-1970.

Source: U.S. Federal Highway Administration, 1921–1964, *Highway Statistics*, *Summary to 1965*, tables UF-201 and UF-202; 1965–1970, *Highway Statistics*, annual issues, tables UF-1 and UF-2.

Q 129-135. Highway construction—contracts awarded, 1947-1970.

Source: U.S. Bureau of Domestic Commerce (formerly Business and Defense Services Administration), Construction Review, various issues.

Highways include streets, roads, alleys, bridges, vehicular tunnels, viaducts, sidewalks, curbs, and gutters, except when installed by private builders as a part of land development; forest and park roads; new culverts and extension of old culverts; right-of-way drainage, erosion control, lighting, and guard rails; and earth-work protective structures in connection with road improvements.

The data for State and locally owned highways were compiled by the Bureau of Domestic Commerce (formerly the Business and Defense Services Administration), Department of Commerce, from: (1) Information published by a number of private construction news services; (2) information received from selected State and local government agencies; and (3) data compiled by the Bureau of Public Roads (now the Federal Highway Administration) and the Bureau of Labor Statistics

Data on contracts awarded for federally owned construction were compiled by BLS from reports submitted by the various Federal agencies having construction operations.

Q 136-147. Public highway debt—long-term highway obligations of State and local governments, 1945-1970.

Source: U.S. Federal Highway Administration (formerly Bureau of Public Roads), releases.

Q 148-151. Motor-vehicle factory sales, 1900-1970.

Source: Automobile Manufacturers Association, Automobile Facts and Figures, various issues.

Production of passenger cars was discontinued in February 1942 to economize resources for World War II purposes, but some vehicles remaining in factory stocks were sold under rationing orders in subsequent war years. The War Production Board authorized resumption of production as of July 1, 1945, but no new cars were actually produced until 1946.

Q 152-155. Motor-vehicle registrations, 1900-1970.

Source: U.S. Federal Highway Administration, 1900-1965, Highway Statistics, Summary to 1965; 1966-1970, Summary of Motor Vehicle Registrations by Years, table MV-200, and unpublished data.

Figures are based on reports and unpublished data of State motorvehicle registration departments. They include both privately and publicly owned vehicles.

Motor-vehicle data for the early years of the century are incomplete, largely because few States required their registration, and hence had no records of the number of vehicles using roads and streets. As production of vehicles increased, shortly before the first World War, so did the number of registration laws. By 1921, all States had adopted some form of motor-vehicle registration.

Accompanying the growth in motor-vehicle registrations has been a corresponding diversity in the registration practices among the States. In general, motor vehicles are classified as private passenger cars, passenger carriers for hire, trucks, trailers, motorcycles, and property carriers for hire. Several States, however, still register buses with either trucks or passenger cars. These differences have made it necessary for the data-compiling agency to supplement the data submitted by the States with information obtained from special studies and from other sources.

Q 156-162. Motor-fuel usage, 1919-1970.

Source: U.S. Federal Highway Administration, 1919–1965, Highway Statistics, Summary to 1965; 1966–1970, Analysis of Motor Fuel Consumption, table G221, and unpublished data.

Fuel consumption figures for which reports from State authorities were not available have been estimated by the Federal Highway Administration (formerly Bureau of Public Roads). Motor fuel includes all gasoline used for any purpose (private and public), except military, plus any diesel or other fuels used solely for the propulsion of motor vehicles on public highways. Exports from the United States are excluded, and there is no duplication because of interstate shipment. Tractor fuels are not included. Nonhighway consumption includes all use off the highway, such as aviation, agriculture, marine, industrial, etc., and usually falls under the exemption or refund provisions of the motor-fuel tax law.

Q 163-174. Automobile insurance, 1946-1970.

Source: The Spectator, Philadelphia, 1946–1954, Insurance Yearbook; 1955–1965, Insurance by States; 1966–1969, Property Liability Insurance Review, annual. 1970, The National Underwriter Co., Cincinnati, Argus F.C. & S. Chart, annual (copyright).

Q 175-186. Percent distribution of automobile ownership, and financing, 1947-1970.

Source: The University of Michigan, Survey Research Center, Ann Arbor, Survey of Consumer Finances (copyright).

Q 187-198. Speed of motor vehicles on highways, 1945-1970.

Source: U.S. Federal Highway Administration, Traffic Speed Trends, and unpublished data.

Comparatively few speed studies were conducted on main rural highways until immediately prior to World War II. At that time, the average speeds of trucks, passenger cars, and buses were 41, 48, and 51 miles/hour, respectively. The low average speeds during World War II resulted from wartime restrictions on travel speeds and from gasoline rationing.

Speeds of passenger cars did not return to their prewar level until 1947. Trucks reached their prewar level in 1946, and buses in 1948. From 1948 through 1950 there was little change in vehicle speeds. Since then speeds consistently increased until 1970.

Q 199-205. Miles of travel by motor vehicles, 1921-1970.

Source: 1921–1935, U.S. Federal Works Agency, unpublished data, and U.S. Public Roads Administration, unpublished data; 1936–1965, see U.S. Federal Highway Administration sources for series Q 50–55.

Traffic volume information is obtained from automatic traffic recorders operating continuously at selected locations on the roads and streets of each State. The recorders are generally supplemented by periodic manual classification counts to determine the proportion of vehicles of each type, and each highway category, and by portable machine counts on the many road and street sections.

Q 206-207. Average miles of travel per vehicle, 1936-1970.

Source: See U.S. Federal Highway Administration sources for series Q 50-55.

Q 208-223. Motor-vehicle deaths and death rates, by age, 1913-1970.

Source: National Safety Council, Chicago, Accident Facts, 1969, p. 60; and 1974, p. 60 (copyright).

Data for 1913 to 1932 were calculated from U.S. National Center for Health Statistics data for registration States. Data for 1933 to 1963, 1965 to 1967, 1969, and 1970 are national totals; those for 1964 and 1968 are National Safety Council estimates.

Q 224-232. Motor-vehicle accidents—number and deaths, by type of accident, 1913-1970.

Source: National Safety Council, Chicago, Accident Facts, 1974, and various annual issues (copyright).

Q 233-234. State and Federal gasoline tax rates, 1930-1970.

Source: See U.S. Federal Highway Administration sources for series Q 50-55.

State average tax is weighted by net gallons taxed at the various rates in the several States. No data are shown before 1930 because it was the first year in which all States had motor fuel taxes in effect for the whole year.

The precise dates of the changes in the Federal tax are as follows: June 21, 1932, 1 cent; June 17, 1933, 1.5 cents; January 1, 1934, 1 cent; July 1, 1940, 1.5 cents; November 1, 1951, 2 cents; July 1, 1956, 3 cents; October 1, 1959, 4 cents.

Q 235-250. Public transit mileage, equipment, passengers, and passenger revenue, 1917-1970.

Source: American Transit Association, Transit Fact Book, various annual issues (copyright); The Transit Industry in the United States, Basic Data and Trends, 1943 (copyright); mimeographed release on number of passengers, January 3, 1938.

Figures are estimates based on reports for more than 85 percent of the industry, which includes local motorbuses, electric street railways, elevated and subway lines, interurban electric railways, and transit coach lines.

Mileage estimates for trolley coaches, series Q 236, are miles of negative overhead wire. Mileage estimates for motorbuses, series Q 237, are miles of route, round trip. Equipment owned, railway cars, series Q 238, includes surface, subway, and elevated cars. The estimates for 1933 and 1934 for motorbuses owned, series Q 240, are probably understated. Revenue and nonrevenue passenger figures, series Q 241-244, exceed revenue passenger figures, series Q 245, chiefly because of free transfers.

Q 251-263. Oil pipelines operated and oil originated, 1921-1970.

Source: U.S. Interstate Commerce Commission, 1921-1953, Sta-

tistics of Railways in the United States, various annual issues; 1954–1970, Transport Statistics in the United States, part 6, Oil Pipe Lines.

Figures refer to pipelines operating in interstate commerce and regulated by ICC. Crude oil originated, series Q 252, includes both gathering and trunk lines.

For a discussion of statistics of oil pipelines, see ICC, A Review of Statistics of Oil Pipe Lines, 1921–1941, Statement 4280, mimeographed, 1942. The figure for mileage in 1938, which appears to have been revised, is from this Statement.

Figures for barrels of oil carried are as follows, in millions: 1925, 831; 1926, 836; 1927, 989; 1928, 1,053; 1929, 1,156; 1930, 1,172; 1931, 987. In these figures, a barrel handled by two or more pipelines in succession is counted each time it is handled. In the figures for barrels originated, this duplication is avoided.

Series Q 1-11. Volume of Domestic Intercity Passenger Traffic, by Type of Transport: 1950 to 1970

[In billions of passenger-miles, except percent. Airways, prior to 1959, and other types of transportation, prior to 1960, exclude Alaska and Hawaii. A passenger-mile is the movement of 1 passenger for the distance of 1 mile. Comprises public and private traffic, both revenue and nonrevenue]

		Private au	tomobiles	Airw	ays 1	Bus	es 2	Railro	ads 3	Inland wa	terways 4
Year	Total traffic, volume	Volume	Percent of total	Volume	Percent of total	Volume	Percent of total	Volume	Percent of total	Volume	Percent of total
	1	2	3	4	5	6	7	8	9	10	11
1970	1,185 1,138 1,079 1,021 971 920 896 853 818 791	1,026 977 936 890 856 818 802 766 736	86.6 85.9 86.8 87.2 88.2 88.7 89.5 89.5 89.0 90.0	119 120 101 87 69 58 49 43 37	10.0 10.5 9.4 8.6 7.1 6.3 5.5 5.0 4.6	25 25 25 25 25 24 23 23 23 22 20	2.1 2.2 2.3 2.4 2.6 2.6 2.6 2.7 2.6	11 12 13 15 17 18 18 19 20 21	0.9 1.1 1.2 1.5 1.8 1.9 2.1 2.2 2.5 2.6	4.0 3.8 3.4 3.4 3.1 2.8 2.8 2.7 2.3	0.8 .3 .3 .3 .4 .3 .3 .3 .3 .3
1960	784 765 760 748 751 716 673 655 575 535	706 687 685 670 670 637 597 576 496 458 438	90.1 89.9 90.1 89.6 89.2 89.0 88.7 87.9 86.1 85.6	34 33 29 28 26 23 20 17 15 13	4.3.8.8.4.4.9.7.2.2.2.6.4.0	19 20 21 21 25 25 26 28 29 27 26	2.57 2.79 2.39 3.68 3.68 3.10 5.11 5.12	22 22 24 26 29 29 29 32 35 35 35	2.8 2.9 3.1 3.5 4.0 4.4 4.9 6.0 6.6	2.7 2.0 2.1 1.9 1.7 1.7 1.5 1.4 1.3	.3 .3 .3 .3 .2 .2 .2 .2

¹ Includes domestic commercial revenue service and private pleasure and business

Series Q 12-22. Volume of Domestic Intercity Freight Traffic, by Type of Transport: 1939 to 1970

[In billions of ton-miles, except percent. Motor vehicles and airways, prior to 1959, and other types of transportation, prior to 1960, exclude Alaska and Hawaii, except as noted. A ton-mile is the movement of 1 ton (2,000 pounds) of freight for the distance of 1 mile. Comprises public and private traffic, both revenue and nonrevenue]

		Railre	oads 1	Motor	vehicles	Inland wa	aterways ²	Oil pi	pelines	Airwa	ays ³
Year	Total traffic, volume	Volume	Percent of total	Volume	Percent of total	Volume	Percent of total	Volume	Percent of total	Volume	Percent of total
	12	13	14	15	16	17	18	19	20	21	22
1970	1,936 1,895 1,839 1,776 1,759	771 774 757 742 762	39.8 40.8 41.2 41.8 43.3	412 404 396 389 381	21.3 21.3 21.6 21.9 21.7	319 303 291 281 281	16.5 16.0 15.9 15.9 16.0	431 411 391 361 333	22.3 21.7 21.3 20.3 18.9	3.3 3.2 2.9 2.6 2.3	0.2 .2 .2 .1 .1
1965 1964 1963 1962 1962	1,651 1,556 1,469 1,387 1,326	721 679 644 616 586	43.7 43.7 43.8 44.4 44.2	359 356 336 309 296	21.8 22.9 22.9 22.3 22.4	262 250 234 223 210	15.9 16.1 15.9 16.1 15.8	306 269 253 238 238	18.6 17.3 17.3 17.1 17.6	1.9 1.5 1.3 1.3	.1 .1 .1 .1
1960 1959 1958 1957	1,330 1,303 1,231 1,354 1,376	595 599 575 645 677	44.7 46.0 46.7 47.6 49.2	285 279 256 254 249	21.5 21.4 20.8 18.8 18.1	220 197 189 232 220	16.6 15.1 15.4 17.1 16.0	229 227 211 223 230	17.2 17.4 17.2 16.5 16.7	.8 .7 .6 .6	(Z) (Z) (Z) (Z)
1955 1954 1953 1952 1951	1,298 1,144 1,232 1,172 1,209	655 578 643 651 686	50.4 50.5 52.1 55.6 56.8	223 213 217 195 188	17.2 18.6 17.6 16.6 15.6	217 174 4 202 168 4 182	16.7 15.2 16.4 14.4 15.1	203 179 170 158 152	15.7 15.7 13.8 13.4 12.6	.6 .4 .4 .4	
1950	1,094 947 1,086 1,060 944	628 567 689 707 643	57.4 59.9 63.4 66.6 68.1	178 125 115 102 82	15.8 13.2 10.6 9.6 8.7	163 139 4 162 147 124	14.9 14.7 14.9 13.8 13.1	129 115 120 105 96	11.8 12.1 11.0 9.9 10.1	.3 .2 .2 .2	
1945 1944 1943 1942	1,072 1,136 1,076 973 811	736 795 780 689 521	68.6 70.0 72.5 70.9 64.2	67 58 57 60 81	6.2 5.1 5.3 6.2 10.0	143 150 142 149 140	13.3 13.2 13.2 15.3 17.3	127 133 98 75 68	11.8 11.7 9.1 7.7 8.4	(Z) (Z)	
1940 1939	651 575	412 370	63.2 64.4	62 53	9.5 9.2	118 96	18.1 16.7	59 56	9.1 9.7	(Z) (Z)	(Z) (Z)

flying.

2 Excludes schoolbuses.

Includes electric railways.
 Includes Great Lakes.

Z Less than 50 million ton-miles, or less than 0.05 percent.
 ¹ Includes electric railways, express, and mail.
 ² Includes Great Lakes. Includes Alaska for all years and Hawaii beginning 1959.

Domestic revenue service only. Includes express, mail, and excess baggage.
 Part of this increase resulted from coverage of waterways previously existing but

Series Q 23-35. Operating Revenues, by Type of Transport: 1936 to 1970

[Excludes Alaska and Hawaii, except as noted]

	1												
				Revenues	(mil. dol.)					Ind	lex (1967 =	100)	
Year	Electric railways ¹	Railway express 2	Railroads 3	Waterlines ⁴	Pipelines (oil)	Domestic scheduled air carriers ⁵ ⁶	Motor carriers of property	Motor carriers of passengers	Railroads ²	Pipelines (oil)	Domestic scheduled air carriers 5 6	Motor carriers of property	Motor carriers of passengers
	23	24	25	26	27	28	29	30	31	32	33	34	35
1970 1969 1968 1967	11 13 12 12 14	313 270 299 323 324	12,511 11,951 11,357 10,875 11,163	502 450 435 426 460	1,188 1,103 1,023 995 941	7,131 6,857 5,607 4,887 4,070	14,585 13,958 12,400 11,308 10,862	882 1,007 991 945 901	115 110 104 100 103	119 111 103 100 95	146 140 115 100 83	129 123 110 100 96	93 107 105 100 95
1965 1964 1963 1962 1961	13 13 14 22 22	316 298 275 271 257	10,738 10,252 9,921 9,792 9,540	426 405 395 394 389	904 865 840 811 787	3,609 3,095 2,723 2,498 2,245	10,068 9,155 8,548 8,131 7,463	885 802 759 729 690	99 94 91 90 88	91 87 84 82 79	74 63 56 51 46	89 81 76 72 66	94 85 80 77 73
1960	23 25 30 45 49	* 248 247 258 248 257	*9,955 10,207 9,924 10,920 10,963	427 430 415 450 476	7 770 765 721 730 737	2,129 1,955 1,624 1,515 1,342	*7,214 7,145 6,131 6,166 5,829	667 631 599 599 565	* 92 94 91 100 101	7 77 77 72 73 74	44 40 33 31 27	* 64 63 54 55 52	71 67 63 63 60
1955 1954 1953 1952 1951	60 56 78 82 81	241 235 242 248 223	10,495 9,708 11,063 10,966 10,773	452 399 391 340 336	678 617 591 562 524	1,215 1,043 937 818 702	5,535 4,737 4,926 4,417 4,169	560 561 614 602 578	97 89 102 101 99	68 62 59 56 53	25 21 19 17 14	49 42 44 39 37	59 59 65 64 61
1950 1949 1948 1947 1946	79 70 77 80 79	223 251 295 313 326	9,820 8,885 10,002 8,973 7,852	330 275 237 225 148	442 376 377 325 294	558 486 434 365 316	3,737 2,911 2,698 2,214 1,699	539 554 565 534 554	90 82 92 83 72	44 38 39 33 30	11 10 9 7 6	33 26 24 20 15	57 59 60 57 59
1945	87 100 99 68 59	284 255 208 155 135	9,136 9,676 9,288 7,691 5,541	173 188 196 123 258	304 310 277 245 252	215 161 123 108 97	1,840 1,756 1,347 1,189 1,095	652 624 544 398 237	84 89 85 71 51	31 31 28 25 25	4 3 3 2 2	16 16 12 11 10	69 66 58 42 25
1940 1939 1938 1937 1936	53 50 49 51 52	120 112 110 110 103	4,559 4,140 3,687 4,321 4,197	212 111 104 108 104	226 212 228 249 219	77 56 43	922 796 700	182 168 151	42 38 34 40 39	23 21 23 25 22	2 1 1	8 7 6	19 18 16

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ The electric railway decrease is overstated through the years because of noncomparability of reporting.

² Through 1969, excludes payments to others for express privileges.

³ Includes pullman (prior to 1965), line-haul, and switching and terminal companies.

Includes only revenues from domestic traffic of carriers under jurisdiction of Interstate Commerce Commission.
 Revenues for scheduled passenger cargo operations.
 Includes Hawaii for all years and Alaska beginning 1955.
 Beginning 1960, includes operations in Alaska.

Series Q 36-46. Employment in Selected Types of Transportation: 1947 to 1970

[In thousands, except percent. Annual averages]

		Trucking and	warehousing 1	Railr	oad ²	Ai	r 3	Local and a	suburban 4	Intercity 1	highway ⁵
Year	Total	Number	Percent of total	Number	Percent of total	Number	Percent of total	Number	Percent of total	Number	Percent of total
	36	37	38	39	40	41	42	43	44	45	46
1970 1969 1968 1967	2,149 2,166 2,128 2,106 2,070	1,083 1,083 1,045 1,019 1,005	50.4 50.0 49.1 48.4 48.6	627 642 661 691 718	29.2 29.6 31.1 32.8 34.7	319 320 298 269 223	14.8 14.8 14.0 12.8 10.8	77 78 81 83 82	3.6 3.6 3.8 3.9 4.0	43 43 43 44 42	2.0 2.0 2.0 2.1 2.0
1965	2,030	964	47.5	735	36.2	206	10.1	83	4.1	42	2.1
1964	1,991	919	46.2	756	38.0	191	9.6	83	4.2	42	2.1
1963	1,986	904	45.5	772	38.9	181	9.1	88	4.4	41	2.1
1962	1,989	885	44.5	796	40.0	176	8.8	91	4.6	41	2.1
1961	1,977	845	42.7	817	41.3	175	8.9	99	5.0	41	2.1
1960	2,055	856	41.7	885	43.1	172	8.4	101	4.9	41	2.0
1959*	2,074	844	40.7	925	44.6	161	7.8	103	5.0	41	2.0
1958	2,032	778	38.3	957	47.1	149	7.3	105	5.2	43	2.1
1957	2,230	804	36.1	1,121	50.3	148	6.6	112	5.0	45	2.0
1956	2,287	803	35.1	1,190	52.0	131	5.7	120	5.2	43	1.9
955	2,254	765	33.9	1,205	53.5	114	5.1	127	5.6	43	1.9
	2,221	719	32.4	1,215	54.7	105	4.7	138	6.2	44	2.0
	2,403	731	30.4	1,377	57.3	105	4.4	141	5.9	49	2.0
	2,389	699	29.3	1,400	58.6	97	4.1	145	6.1	48	2.0
	2,409	676	28.1	1,449	60.1	86	3.6	151	6.3	47	2.0
950	2,290	619	27.0	1,391	60.7	76	3.3	157	6.9	47	2.1
949	2,232	567	25.4	1,367	61.2	77	3.4	169	7.8	52	2.3
948	2,399	573	23.9	1,517	63.2	78	3.3	176	7.3	55	2.3
947	2,443	551	22.6	1,557	63.7	82	3.4	199	8.1	54	2.2

Series Q 47-49. Indexes of Transportation Output: 1889 to 1966

Year	All traffic ¹	Year	All traffic ¹	Passenger	Freight	Year	All traffic ¹	Passenger	Freight
	47		47	48	49		47	48	49
	1958 = 100			1939 = 100				1939 = 100—Con.	
1966 1965 1964 1963 1962 1961 1960 1959 1958 1958 1957 1956 1955 1954 1953 1952 1951 1950 1950 1949	152.7 139.4 128.0 119.9 114.0 107.7 108.1 106.4 100.0 103.4 108.5 108.5 103.2 93.9 98.4 98.0 100.1	1953 1952 1951 1950 1949 1948 1947 1946 1945 1944 1943 1942 1941 1940 1939 1938 1938	220 219 226 206 182 205 203 192 213 222 216 183 137 110 100 89 101 93	248 (NA) (NA) (NA) (NA) (NA) (NA) (NA) 108 100 97 103 103 99	(NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	1935	79 76 70 66 82 97 110 106 106 108 102 98 102 88 81 103	87 84 76 79 94 108 118 117 119 121 120 121 122 116 115 127	777 74 68 62 75 91 108 109 109 109 107 91 96 81 72 96

NA Not available.

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ Covers establishments furnishing local or long-distance trucking, transfer, and draying services, or engaged in storage of farm products, furniture and other household goods, or commercial goods. Includes terminal facilities for handling freight.

² Includes companies furnishing transportation by line-haul railroad and certain allied services, such as sleeping and dining car services, railway express, and switching and terminal companies.

³ Covers certificated and noncertificated air carriers engaged in passenger and cargo or freight transportation. Excludes employment in related facilities and services.

⁴ Covers companies or systems primarily engaged in furnishing passenger transportation confined principally to a municipality, contiguous municipalities, and municipality and its suburban areas, including transportation by railway but excluding taxicab, schoolbus, and charter service.

⁵ Covers intercity, interurban, and interstate bus lines, and includes intercity motor vehicle passenger transportation not operated on regular schedules.

 $^{^{\}rm 1}\,\rm In$ combining passenger and freight traffic, passenger-miles were weighted by revenue per passenger-mile and ton-miles by revenue per ton-mile.

Series Q 50-63. Mileage of Rural Roads and Municipal Streets: 1904 to 1970

			Total 1	mileage			Sur	faced mile	eage	Mileage	built by	State high	way depa	rtments		
			Rural	roads				Under	State		Ros	ads under	State con	trol		
Year	Total		Sta admin	ate istered	County roads	Munic- ipal and	Total 3			Total 5			High-	Low-	Year	Surfaced mileage, total
		Total	Prima- ry	Second- ary and county roads	under local control 1	other mileage ²		High- type roads	Low- type roads		Total	Earth roads	type surface	type surface		
	50	51	52	53	54	55	56	57	58	59	60	61	62	63		56
	1,000 miles	1,000 miles	1,000 miles	1,000 miles	1,000 miles	1,000 miles	1,000 miles	1,000 miles	1,000 miles	Miles	Miles	Miles	Miles	Miles		1,000 miles
1970 1969 1968 1967 1966	3,730 3,710 3,684 3,705 3,698	3,169 3,162 3,152 3,184 3,188	408 406 425 424 418	273 273 252 250 252	2,488 2,483 2,475 2,510 2,518	561 548 532 521 510	2,946 2,914 2,870 2,827 2,800	410 403 392 386 376	322 324 330 331 333	40,438 37,123 47,425 46,257 50,872	33,834 30,034 37,279 36,763 38,968	68 212 403 209 249	24,637 20,394 23,617 24,915 27,152	9,129 9,428 13,259 11,639 11,567	1920 1919 1918 1917 1916	369 350 332 313 295
1965	3,690 3,644 3,620 3,600 3,573	3,009 3,003 3,002 3,005 2,995	414 411 409 407 406	249 248 247 247 243	2,346 2,344 2,346 2,351 2,346	681 641 618 595 578	2,776 2,730 2,693 2,647 2,588	367 359 350 341 331	333 334 335 337 338	47,573 45,452 49,974 52,560 44,279	36,442 36,203 36,980 41,052 33,449	278 275 210 433 372	24,194 22,664 23,623 26,305 20,554	11,970 13,264 13,147 14,314 12,523	1915 1914 1913 1912 1911	276 257 244 231 217
1960 1959* 1958 1957 1956	3,546 3,511 3,479 3,453 3,430	2,989 2,974 2,959 2,952 2,945	403 403 395 391 389	241 237 234 232 226	2,345 2,334 2,330 2,329 2,330	557 537 520 501 485	2,557 2,503 2,448 2,371 2,323	322 314 301 290 281	338 338 338 338 335	49,428 50,232 54,753 53,235 57,454	36,944 36,282 39,824 39,675 44,016	328 185 313 374 486	22,013 21,892 23,644 19,476 20,726	14,603 14,205 15,867 19,825 22,804	1910 1909 1908 1907 1906	204 190 183 176 168
1955 1954 1953 1952 1951	3,418 3,395 3,366 3,343 3,326	2,954 2,941 2,925 2,925 2,925	387 379 377 371 367	222 218 214 219 217	2,345 2,344 2,334 2,335 2,341	464 454 441 418 401	2,273 2,228 2,160 2,070 1,998	270 262 252 245 236	340 333 332 328 328	53,559 55,488 52,886 57,847 51,471	41,120 42,053 41,744 46,354 41,864	694 866 1,264 1,238 1,603	17,672 19,730 17,807 17,811 15,122	22,754 21,457 22,673 27,305 25,139	1905 1904	161 154
1950 1949 1948 1947 1946	3,313 3,322 3,323 3,326 3,316	2,922 2,934 2,929 2,933 2,934	363 358 350 337 342	210 206 206 212 205	2,349 2,370 2,373 2,384 2,387	391 388 394 393 382	1,939 1,865 1,815 1,780 1,730	227 174 172 170 170	316 350 338 332 317	55,487 45,171 41,968 32,865 21,711	44,265 35,236 35,085 29,574 20,856	1,784 1,517 1,403 1,013 417	13,379 7,482 7,753 6,219 4,898	29,102 26,237 25,929 22,342 15,541		
1945 1944 1943 1942 1941	3,319 3,311 3,311 3,309 8,309	2,939 2,932 2,930 2,925 2,926	339 335 333 334 332	202 200 200 199 196	2,398 2,397 2,397 2,392 2,398	380 379 381 384 383	1,721 1,655 1,646 1,630 1,608	168 167 166 165 163	312 309 306 302 297	15,278 15,080 15,971 19,670 32,629	14,827 13,924 14,692 18,078 30,549	250 289 458 1,038 1,343	3,971 3,925 4,446 4,167 6,299	10,606 9,710 9,788 12,873 22,907		
1940	3,287 3,274 3,257 3,245 3,267	2,920 2,913 2,898 2,894 2,920	329 328 327 327 340	195 194 194 189 177	2,396 2,391 2,377 2,378 2,403	367 361 359 351 347	1,367 1,318 1,276 1,232 1,175	153 151 149 144 131	296 286 277 265 262	32,588 32,990 36,322 35,627 32,274	29,689 30,665 34,598 28,945 32,274	1,423 1,720 1,187 1,828 3,361	5,217 5,015 5,751 6,532 4,706	23,049 23,930 27,660 20,585 24,207		
1935	3,310 3,309 3,286 3,296 3,291	3,032 3,034 3,029 3,040 3,036	332 325 346 358 329	173 170 135 84 45	2,527 2,539 2,548 2,598 2,662	278 275 257 256 255	1,080 992 914 879 830	128 124 116 110 96	246 237 195 156 146	26,814 41,730	26,814 41,730 33,471 35,971 44,634	3,284 5,917 6,258 6,394 10,095	3,806 6,386 7,412 10,009 12,513	19,724 29,427 19,801 19,568 22,026		
1930 1929 1928 1927 1926	3,259 3,272 3,262 3,257 3,242	3,009 8,024 3,016 3,013 3,000	324 314 306 293 288		2,685 2,710 2,710 2,720 2,712	250 248 246 244 242	694 662 626 589 550	84 75 68 60 54	142 133 125 117 109		35,277 32,522 29,252 26,723 26,552	7,813 7,451 8,675 7,151 7,060	10,787 8,847 8,748 6,733 6,132	16,677 16,224 11,829 12,839 13,360		
1925 1924 1923 1922 1921	3,246 3,243 3,233 3,196 3,160	8,006 3,004 2,996 2,960 2,925	275 261 252 227 203		2,731 2,743 2,744 2,733 2,722	240 239 237 236 235	521 472 439 412 387	48 41 34	97 90 78		23,152 23,164 20,311	5,316 5,957 5,814	6,686 6,697 5,628	11,150 10,510 8,869		

^{*} Denotes first year for which figures include Alaska and Hawaii.

NA Not available.

¹ Includes municipal extensions of county, town, and township roads prior to 1962, and mileage in National and State parks, forests, reservations, etc. prior to 1936 that were not parts of State or local systems.

¹ Includes mileage in National and State parks, forests, reservations, etc. that did not form parts of State or local road system. Prior to 1936 these roads were included with county, town, and township roads.

Includes all surfaced mileage whether under State or local control.
 Includes State highway extensions within cities.
 Excludes mileage of local roads and streets on Federal-aid secondary system which were built by State highway departments or by local authorities when financed partially or entirely by Federal funds.

Series Q 64-68. Mileage and Cost of Federal-Aid Highway Systems: 1917 to 1970

	Miles of	highway	C	Cost (mil. dol.)	8		Miles of	highway	(Cost (mil. dol.)	3
Year	Total designated as part of Federal systems ¹	Completed during year ²	Total	Federal funds	State funds	Year or period	Total designated as part of Federal systems ¹	Completed during year ²	Total	Federal funds	State funds
	64	65	66	67	68		64	65	66	67	68
1970	895,208 890,094 886,181 887,465 885,050 908,722 901,120 891,927 886,678 879,539	10, 745 10, 569 11, 871 14, 150 16, 281 17, 433 19, 487 19, 561 21, 051 21, 313	4,625 4,826 4,132 5,178 5,362 4,569 4,569 4,560 3,790 3,423 3,265	3,515 3,706 3,167 4,039 4,151 3,430 3,885 2,767 2,437 2,339	1,110 1,120 965 1,139 1,211 1,139 1,175 1,023 986 925	1945 1944 1943 1942 1941 1940 1939 1938 1938 1938 1938	308,741 367,690 338,705 330,051 316,432 235,482 232,834 229,905 226,829 224,450	3,035 4,473 7,753 6,898 9,734 11,549 11,776 11,766 21,330 12,258	101 135 273 226 274 269 306 309 521 238	76 109 219 143 148 150 176 183 348 225	25 26 54 83 126 119 130 125 173
1960	866, 841 854, 294 830, 569 810, 466 777, 514 749, 166 725, 963 704, 150 675, 121 664, 464	20, 969 32, 633 28, 137 22, 424 23, 609 22, 571 20, 548 21, 136 22, 147 17, 060	3, 264 3, 709 2, 744 1, 714 1, 444 1, 287 1, 146 1, 078 978 772	2,273 2,518 1,669 969 757 666 591 559 505	992 1,191 1,075 746 687 621 555 519 472 382	1985 1984 1983 1982 1981 1980 1929 1928 1928 1927 1926	219, 869 212, 496 207, 194 205, 025 198, 967 193, 652 189, 853 188, 017 187, 035 184, 162	12,811 21,203 18,219 10,855 15,902 10,339 8,581 9,756 10,220 10,723	242 358 264 205 325 237 197 196 189 215	218 311 223 95 228 100 80 83 84 93	24 47 41 110 97 137 117 113 105
1950	643,939 632,037 611,332 599,338 556,787	19,876 19,876 21,725 15,473 5,057	753 829 763 422 147	390 425 397 224 86	364 404 366 198 61	1925 1924 1923 1922 1917-1921	179,501 174,507 169,007	11,001 10,946 7,494 11,188 12,919	221 205 130 186 222	100 93 57 80 95	121 112 73 106 127

^{*} Denotes first year for which figures include Alaska and Hawaii.

1 Includes estimates on Federal-aid primary system throughout, Federal-aid secondary systems beginning in 1942, and national system of interstate and defense highways beginning in 1951. Estimates as of end of calendar year.

Series Q 69-81. Class I Intercity Motor Carriers of Passengers and Property: 1939 to 1970

					[Carriers s	ubject to IC	C regulation	ns]					
			Сагг	iers of passe	ngers					Carriers o	f property		
Year	Carriers reporting 1	Operating revenue	Expenses	Net income after income taxes	Vehicles in service ²	Vehicle- miles, passenger 3	Average fare per passenger, per carrier (intercity)	Carriers reporting	Operating revenue	Expenses	Net income after income taxes	Owned revenue vehicles	Intercity vehicle- miles
	69	70	71	72	73	74	75	76	77	78	79	80	81
		Mil. dol.	Mil. dol.	Mil. dol.		Millions	Dollars		Mil. dol.	Mil. dol.	Mil. dol.	1,000	Millions
1970 1969 1968 1967 1966 1966 1964 1963 1964 1963	71 70 173 177 166 156 161 148 151	722 677 695 670 644 607 655 610 589	639 594 613 591 550 514 570 529 511 423	52 56 61 52 54 52 52 48 43	13,282 12,992 15,398 15,406 14,298 13,287 16,157 413,608 413,873 411,036	871 869 977 997 988 947 1,056 1,009 998 865	3.81 3.55 2.91 2.79 2.71 2.73 2.43 2.38 2.30 2.20	1,376 1,311 1,252 1,198 1,159 1,114 1,025 1,004 1,004	11,137 10,770 9,593 8,091 7,897 7,131 6,199 5,756 5,428 4,908	10,763 10,337 9,129 7,796 7,505 6,760 5,918 5,520 5,204 4,718	150 200 235 144 217 209 152 122 112 84	483 466 428 394 384 355 318 309 298 285	11,498 11,699 10,902 9,815 9,814 9,154 8,209 7,882 7,567 7,023
1960* 1969 1968 1967 1966 1966 1965 1964 1963 1963 1964 1963 1965	143 143 136 144 145 146 155 161 160	463 439 410 407 377 362 363 395 395 395	405 380 366 371 343 331 331 354 348 348	28 29 20 20 17 16 15 18 22 25	12,680 410,763 410,791 411,301 411,062 13,127 412,314 412,940 413,106 413,431	843 810 816 867 859 859 887 972 975	2.12 2.00 1.91 1.70 1.51 1.37 1.29 1.24 1.20	935 890 866 837 2,293 2,244 2,110 2,027 1,868 1,737	4,768 4,590 3,851 3,836 4,290 4,030 3,431 3,493 3,059 2,728	4,645 4,392 3,723 3,702 4,141 3,870 3,323 3,360 2,924 2,603	37 92 54 62 77 82 54 60 67 58	279 265 243 238 304 289 260 251 229 213	7,203 7,085 6,101 6,399 7,529 7,559 6,538 6,802 6,137 5,848
1950 1949 1948 1946 1946 1945 1944 1943 1944 1943	172 262 260 253 254 231 194 157 136	351 380 401 367 381 378 375 344 251	315 346 351 313 299 265 245 214 164 120	19 20 31 33 50 32 36 37 24 20	14,566 414,863 415,290 414,149 413,168 412,865 412,019 411,000 49,677 47,891	959 1,066 1,130 1,056 1,043 931 905 832 702 556	1.01 .91 .85 .80 .80 .79 .80 .81 .80	1,621 2,012 1,825 1,603 1,516 1,445 1,337 1,165 1,083 1,076	2,380 1,895 1,663 1,233 884 746 711 646 588 560	2,215 1,794 1,553 1,174 852 745 696 626 556 533	98 64 72 37 21 -2 8 9 17	191 169 151 128 112 100 98 89 84 84	5,532 4,338 3,810 3,059 2,407 2,165 2,132 2,006 2,040 2,121
1940 1939	135 149	115 113	98 95	15 20	46,678 46,408	482 466	.84 .88	991 957	431 378	412 360	13 15	69 62	1,761 1,343

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ Excludes carriers subject to ICC jurisdiction engaged preponderantly in local or suburban service and carriers engaged in transportation of both property and passengers.

² Regular route intercity and local.

² Comprises new and rebuilt mileage.

³ Represents actual expenditures of funds on calendar-year basis. Beginning 1985, includes money spent on public works and defense highways. Beginning 1940, includes secondary highways.

³ Vehicles owned, leased, and operated under "purchased transportation" arrangements, operated in all revenue service.

⁴ Excludes intercity service.

Series Q 82-96. State Highway Finances: 1890 to 1970

[In millions of dollars]

				Reve	nues				:		Disburs	ements			
		-	ts from curi		mposts		Receipts from	4.11		For St	ate-admini highways	stered	For county		State highway debt
Year	Total	Total	Motor- fuel taxes	Motor vehicle and carrier taxes	Other 1	Federal funds ²	issue of bonds, notes, etc. 3	All other 4	Total 6	Capital outlay for roads and bridges	Mainte- nance	Other 6	and local roads and streets	All other 7	out- standing
	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
1970 1969 1968 1967 1966 1965 1964 1963 1962 1961	16,501 15,293 14,563 13,161 13,217 12,532 12,363 11,091 10,697 9,758	8,843.1 8,238.5 7,426.5 6,886.9 6,577.4 7,012.7 6,582.8 6,116.8 5,831.9 5,511.3	6,090.9 5,687.1 5,122.8 4,758.1 4,494.1 4,505.7 4,217.5 3,929.0 3,764.1 3,542.7	2,752.1 2,551.3 2,303.6 2,128.7 2,083.3 2,507.0 2,365.3 2,187.8 2,067.8 1,968.5	1,175.0 1,009.2 921.6 813.2 755.2 771.1 712.4 630.7 622.7 590.0	4,431.0 4,001.3 4,229.7 3,862.4	1,374.7 1,011.3 1,295.3 591.1	283 4	16,584 14,919 14,253 13,815 12,553 12,487 12,017 11,248 10,451 9,626	7,866.3 7,359.8 7,056.3 6,458.2 6,862.3 6,047.7	1,928.8 1,723.1 1,593.6 1,513.5 1,402.2 1,309.7 1,210.3 1,133.9 1,093.2 1,019.8	2,774.9 2,644.7 2,283.6 2,108.0 1,871.8 1,662.6 1,564.9 1,491.5 1,352.8 1,192.3	1 943 9	936.5 787.2	10,930.6 10,596.3 10,472.1
1960 1959* 1958 1957 1956 1954 1953 1952 1951	9,276 9,542 8,451 7,067 6,789 5,794 6,913 5,401 4,651 4,051	5,313.0 5,075.7 4,688.1 4,544.5 4,394.9 4,014.3 3,648.5 3,420.5 3,094.0 2,863.2	3,399.6 3,256.3 2,976.1 2,894.7 2,788.2 2,533.1 2,301.7 2,167.9 1,958.1 1,809.3	1,649.8 1,606.8 1,481.3 1,346.8 1,252.6	527.5 481.7 404.2 357.3 392.6 295.1 221.0 213.2 184.7 158.1	3,058.9 2,246.7 1,256.0 775.6	916.0 727.1 1,064.6 658.1 2,338.0 1,101.5 798.6	207.0 202.6 196.4 182.4 160.9 156.6 118.0 125.3 88.6 77.2	8,478 7,702 6,896 6,053 5,720 4,884	5,075.8 4,713.6 4,139.3 3,661.9 3,102.9 2,962.5 2,271.4	985.6 903.0 867.1 812.4 756.4 675.6 647.7 620.4 602.5	1,147.8 1,115.9 955.8 903.5 748.4 686.7 653.3 566.3	1,517.3 1,431.2 1,347.6 1,236.1 1,130.4 1,044.1 994.0 905.4	664.5 510.8 499.4 493.4 438.0 412.6 432.4 325.4	8,605.0 7,945.2 7,495.9 6,618.5 6,164.0 4,015.4 3,116.1
1949	3,613 3,278 2,950 2,345 2,107 1,449 1,361 1,425 1,572 1,899	2,587.0 2,337.0 2,081.0 1,838.7 1,602.8 1,235.7 1,136.9 1,117.3 1,321.3 1,452.0	1,652.2 1,473.3 1,348.1 1,196.4 1,046.3 773.8 684.9 663.6 855.2 948.0	451.9	125.0 153.0 144.1 91.5 176.4 87.2 44.3 56.4 44.5	364.8 288.3 147.2 59.9 91.9 152.1	303.1 312.7 89.3 150.0 47.6 72.1 83.8 33.0	65.5 56.5 47.4 37.0 31.3 18.5 15.6 15.2 18.3 27.6	1,788 1,301 1,243 1.309	1,361.9 1,138.6 882.3 502.3 210.4 210.3	374.5 327.3 287.7 258.9 224.8 216.7	447.5 355.8 343.4 344.0 404.9 344.0 290.0 303.1 263.7 505.8	735.3 652.8 537.3 400.4 309.8 297.8 315.5	259.8 273.2 244.8 153.0 149.7 186.6 197.1 247.9	1,735.3 1,536.9 1,571.5 1,637.9 1,794.5 1,869.5 1,962.1
1940	1,780 1,611 1,578 1,634 1,590 1,330 1,388 1,187 1,168 1,389	1,175.7	769.8 767.4 683.0 615.5 565.1 519.4	428.1 .374.9 324.8 318.5 301.5	38.1 34.1 33.4 30.2 25.3 24.8 27.8 43.7 48.4 47.6	354.8 223.5 138.8	120.2 145.9 111.5 134.2 117.1 103.0 79.8 104.6	25.4 33.2 23.6 28.7 19.4	1,619	500.1 558.3 589.2 631.7 438.3 580.3 529.2 571.0	232.6 223.7 222.0 187.1 181.5 179.3 178.1	318.1 337.0 329.9 270.6 256.3 219.8 191.1 189.0 190.1	296.8 312.8 257.3 233.2 216.3 196.8 196.3	201.2 205.2 211.0 179.2 155.7	2,250.1 2,243.6 2,210.3 2,169.2 2,114.8 2,108.8 2,038.5
1930 1929 1928 1927 1926 1925 1924 1923 1922 1921	1,296 1,209 998 879 825 783 634 521 545 432	559.6 475.8 405.6 302.0 216.5 153.5	304.3 258.7 187.6 145.4 78.7 30.8 10.8	288.2 260.2 223.2 185.7 142.7	57.6 52.0 49.2 56.1	81.2 80.1 79.1 93.3 92.9 73.3 79.7	133.4 90.9 137.8 141.4 101.6 88.1 143.0	98.8 96.4 83.1 86.5 98.6 80.6	988 847 747 759 688 501	575.4 558.4 418.8 366.0 403.8 397.6 279.9 287.4	160.2 139.1 125.7 119.3 104.8 75.3	167.1 136.9 96.3 129.3 116.6 115.9 89.8 74.4 54.3	141.1 136.4 115.6 101.4 75.6 57.8 68.0	32.4 27.6 23.9 22.9 18.8 20.1 14.0 9.6	1,438.9 1,187.8 1,085.8 933.0 789.3 678.3 565.4 473.2
1920	358 221 139 116 87 90 75	102.9 65.7 51.4 37.5 25.8 18.2 12.3	1.0	101.5 64.6 51.4 37.5 25.8 18.2 12.3	30.2 6.3 23.0	11.7 2.1	34.3	81.7 48.8 50.8 33.5 27.0	139 116 87	124.9 71.9 61.6	34.9 27.6 18.4 19.2	13.5 10.2	14.7 14.1 10.2 7.5	4.9 4.5 2.8 1.9 2.0	191.4 159.5 154.0 134.4

Year	State high- way debt outstanding	Year	State high- way deht outstanding	Year	State high- way debt outstanding	Year	State high- way debt outstanding
1913	94.2 65.6 52.4 38.3 31.6 24.4	1907 1906 1905 1904 1903 1902	18.4 16.4 15.4 15.0 14.5 14.0	1901	13.1 12.7 12.2 10.0 8.2 6.7	1895	2.6 1.3 .5 (Z) (Z) (Z)

^{*} Denotes first year for which figures include Alaska and Hawaii.

Z Less than 50,000.

¹ Includes road, bridge, and ferry tolls; property taxes; appropriations from general funds; and other State imposts.

² Includes funds of Federal Highway Administration and other agencies paid as reimbursement to the States. Does not include direct Federal expenditures for highways.

ways.

3 Includes refunding issues and toll revenue bonds.

⁴ Includes funds transferred from local governments and miscellaneous receipts.
⁵ Beginning 1966, excludes amounts allocated for collection and nonhighway purposes, and bonds redeemed by refunding.
⁶ Includes administration, engineering, and equipment; State highway police; interest on obligations for State highways; and retirement of obligations for State highways.

vays.
7 Includes expenditures and funds transferred for nonhighway purposes and expense of collecting and administering highway-user revenue.

Series Q 97-112. Receipts and Disbursements of Highway Funds by Counties and Townships: 1921 to 1970

			Receipts	of countie	s and tow	nships for	highway	3		Dia	bursement	s of coun	ties and to	wnships f	or highwa	ıys 4
			Lo	ocal receip	ots			sfers from governmen		Total		Main-	Adminis-			Trans-
Year	Total receipts	Total	Local highway user imposts	Tolls	Borrow- ing 1	Property tax, general fund, misc.	Total 2	Federal ³	State	dis- burse- ments ⁵	Capital outlays ³	tenance and opera- tion	tration and other	Interest 6	Debt retire- ment 6	fers to other govern- ments
	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
1970 1969 1968 1967 1966	3,075 2,913 2,693 2,609 2,410	1,511 1,478 1,372 1,321 1,216	50 42 18 20 18	24 21 21 20 20	222 236 272 272 272 201	1,216 1,179 1,061 1,009 977	1,565 1,435 1,321 1,288 1,194	72 53 44 41 45	1,485 1,376 1,255 1,202 1,146	3,028 2,818 2,639 2,577 2,345	915 846 806 761 714	1,463 1,392 1,272 1,205 1,138	269 218 201 163 146	65 62 55 53 46	193 191 167 220 162	124 109 138 175 189
1965 1964 1963 1962 1961	2,247 2,135 2,012 1,990 1,926	1,114 1,053 1,015 1,035 979	12 11 10 9 8	19 18 17 16 16	216 203 159 220 186	867 821 829 790 769	1,133 1,082 997 955 947	43 33 30 30 29	1,087 1,044 964 922 916	2,203 2,068 1,996 1,934 1,896	681 649 618 605 579	1,080 1,008 959 939 922	133 123 108 99 99	48 45 45 41 40	166 148 158 144 149	95 95 108 106 107
1960	1,753 1,762 1,695 1,619 1,518	878 926 891 810 768	9 9 4 4 3	19 20 19 16 15	115 184 167 141 128	735 713 701 649 622	875 836 804 809 750	28 21 26 28 21	845 812 776 779 728	1,737 1,745 1,704 1,603 1,509	500 521 549 518 425	923 874 847 784 764	95 92 81 76 65	33 32 32 32 31	108 126 116 112 109	78 99 77 72 58
1955	1,531 1,371 1,329 1,253 1,128	835 697 691 650 582	4 4 3 3 2	15 14 13 13 12	229 113 126 121 98	587 566 549 513 470	696 674 638 603 546	17 18 18 17 9	678 655 619 584 536	1,429 1,369 1,297 1,200 1,106	450 436 401 355 285	701 677 649 618 596	64 59 55 51 47	29 29 28 27 29	109 107 102 97 101	62 48 51 42 35
1950	1,067 1,010 936 856 702	565 538 489 485 375	2 2 1 1 1	12 11 10 8 7	104 120 98 127 64	447 405 880 349 303	502 472 447 371 327	6 5 4 2 3	495 466 442 369 323	1,043 990 929 826 685	266 279 255 208 147	557 498 478 432 373	44 39 33 27 24	29 31 32 33 35	100 96 91 96 85	38 39 37 27 17
1945	575 519 516 669 847	310 276 266 320 364	1 1 1 1	5 5 5 4	39 28 18 57 94	265 242 242 257 265	265 243 250 349 483	4 2 2 79 191	261 241 248 270 292	556 506 470 643 836	74 58 52 173 311	308 271 237 246 254	20 19 18 18 22	38 41 45 49 55	103 105 107 142 175	9 8 7 8 13
1940 1939 1938 1937 1936	931 987 1,023 869 901	348 354 370 389 326	- - - 1	3 3 1 -	68 69 86 108 56	277 282 281 280 269	583 633 653 480 575	299 362 394 223 341	283 271 259 257 234	925 989 1,031 876 909	432 495 533 353 449	249 240 239 234 222	19 19 18 19 24	58 63 68 72 73	149 152 150 168 116	12 14 17 26 23
1935 1934 1933 1932 1931	624 660 567 664 812	314 282 320 456 602	1 1 1 1 1	- - - -	50 31 24 67 109	263 250 295 388 492	310 378 247 208 210	95 154 25 - 1	215 224 222 208 209	629 662 576 686 847	194 238 130 168 248	202 187 191 235 262	23 26 27 28 38	80 81 81 87 91	120 116 124 133 165	9 10 12 24 41
1930	818 790 835 841 775	622 636 700 716 667	- - -	- - - -	95 111 150 181 169	527 525 550 535 498	196 154 135 125 108		196 154 135 125 108	852 808 832 829 752	297 257 282 289 266	284 260 260 238 213	36 50 37 41 42	83 78 80 75 67	113 106 103 105 91	39 57 70 81 73
1925 1924 1923 1922 1921	683 690 638 731 657	581 646 598 645 635	-	-	144 158 129 150 202	437 488 469 495 433	102 44 40 86 22	- - -	102 44 40 86 22	689 688 645 733 670	265 256 242 330 337	197 195 184 185 186	29 27 46 40 40	52 55 50 35 34	74 67 56 48 40	72 88 67 95 83

Represents zero.
 Includes long and short-term notes. The latter are for two years or less.
 Beginning 1940, includes small amount from municipalities, not shown separately.
 Includes Federal work-relief funds (mainly Works Progress Administration) for 1933-42 respectively, as follows (in millions of dollars): 25, 150, 91, 339, 221, 389, 352, 295, 189, and 78.

⁴ Includes expenditures by local rural agencies for highways. The major share of the expenditures were for the local highway system. However, in some instances, outlays for State-administered highways and local city streets are included.

⁵ For 1931–1959, includes small amount for nonhighway purposes, not shown separately.

⁶ Includes debt service for long and short-term notes. The latter are for two years or less.

Series Q 113-128. Receipts and Disbursements of Highway Funds by Municipalities: 1921 to 1970 [In millions of dollars]

			Recei	pts of mu	ınicipaliti	es for high	ways	-			Disburse	ments of	municipali	ties for hi	ghways 3	
			Lo	cal receip	ots			sfers from governmen		Total		Main-	Adminis-			Trans-
Year	Total receipts	Total	Local highway user imposts	Tolls	Borrow- ing 1	Property tax, general fund, misc.	Total 2	Federal	State	dis- burse- ments 4	Capital outlays	tenance and opera- tion	tration and other	Interest 5	Debt retire- ment ³	fers to other govern- ments
	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
1970	3,580 8,269 3,046 2,826 2,632	2,578 2,430 2,288 2,116 1,994	96 91 87 74 74	93 89 85 82 81	525 447 458 499 444	1,864 1,803 1,658 1,461 1,395	1,002 839 758 710 638	20 10 5 6 5	895 764 686 664 602	3,570 8,273 2,982 2,786 2,530	1,074 1,017 935 894 808	1,240 1,136 1,066 970 893	668 525 445 381 332	138 131 118 111 102	397 384 339 354 338	52 80 79 76 62
1965	2,362 2,228 2,170 1,968 2,003	1,748 1,652 1,680 1,523 1,592	71 67 61 67 67	77 65 60 58 53	394 371 475 377 450	1,206 1,149 1,084 1,021 1,022	614 576 490 445 411	11 22 5 1 2	574 523 435 395 365	2,305 2,199 2,117 2,046 1,949	722 731 694 679 645	854 801 789 758 738	234 214 189 165 163	101 97 94 91 83	345 303 309 302 275	49 53 42 51 45
1960 1959 1958 1957 1956	1,987 1,892 1,702 1,725 1,550	1,572 1,491 1,313 1,390 1,266	67 66 62 68 57	54 54 53 52 49	507 503 347 436 365	944 868 851 834 795	415 401 389 335 284	3 - 1 -	389 364 351 305 264	1,954 1,815 1,773 1,682 1,523	666 631 656 615 563	685 659 614 567 542	152 133 155 123 105	80 75 63 57 47	323 263 241 264 220	48 54 40 38 16
1955 1954 1953 1952 1951	1,485 1,314 1,186 1,302 963	1,224 1,068 971 1,113 792	56 49 49 35 25	46 43 42 41 37	385 290 286 443 205	737 686 644 594 525	261 246 215 189 171	1 1 1 -	243 232 204 178 162	1,347 1,269 1,153 1,256 959	507 464 415 379 336	479 456 442 409 377	82 71 70 70 56	52 50 43 44 42	180 194 151 329 133	25 16 15 14 10
1950	918 1,014 776 671 485	753 860 662 565 407	23 23 20 17 16	31 26 24 21 10	187 300 136 132 53	512 511 482 395 328	165 154 114 106 78	- - - -	154 145 106 101 76	901 971 756 635 463	329 320 253 212 100	346 347 324 265 220	51 50 43 34 24	42 43 40 39 37	115 200 86 78 75	13 8 7 4 4
1945 1944 1943 1942 1941	399 310 297 407 495	350 261 248 358 437	15 14 12 7 8	8 11 10 11 9	31 19 22 66 79	296 217 204 274 341	49 49 49 49 58	- - - 1	48 43 43 46 52	389 381 322 372 494	55 53 41 81 112	191 193 176 168 170	18 13 14 21 26	38 39 41 48 59	84 79 43 49 122	1 2 2 2 2 2
1940	504 471 448 489 396	429 404 393 432 367	10 20 17 11 -	9 7 5 -	86 80 74 39 19	324 297 297 377 348	75 67 55 57 29	6 9 5 2 -	63 54 47 50 25	509 479 433 488 430	171 172 140 130 125	133 153 144 134 154	24 33 31 29 26	60 62 62 63 60	114 54 53 128 65	2 1 1 1 -
1935	373 392 407 536 737	352 366 386 516 716	- - - - -	- - - -	17 29 13 42 73	335 337 373 474 643	21 26 21 20 21	-	17 21 17 15 16	408 376 501 630 790	107 110 135 208 344	145 148 147 166 193	24 25 24 27 32	68 75 82 87 88	64 18 113 142 133	-
1930 1929 1928 1927 1926	910 860 841 848 729	899 847 833 845 724	- - - - -	- - - -	112 122 115 115 100	787 725 718 730 624	11 13 8 3 5	- - - - -	11 13 8 3 5	946 779 745 747 644	473 427 441 451 372	197 196 180 182 167	33 32 30 30 28	91 82 74 69 62	152 42 20 15	-
1925 1924 1923 1922 1921	694 573 403 376 .	691 573 403 376 337	- - - -	- - - -	113 91 - - -	578 482 403 376 337	3 - -	- - - - -	3 - - - -	591 492 403 376 337	356 285 226 213 191	147 130 120 115 108	24 22 20 19 18	54 45 37 29 20	10 10 - - - -	= = = = = = = = = = = = = = = = = = = =

Represents zero.
 Includes long and short-term notes. The latter are for two years or less.
 Beginning 1931, includes small amount from county and townships, not shown separately.
 Represents expenditures for highways and streets by local municipal governments.
 The major share of the expenditures were for the local highway system However, in

some instances, outlays for State-administered highways and local county-level streets are included.

4 For 1937-1958, includes small amount for nonhighway purposes, not shown separately.

5 Includes debt service for long and short-term notes. The latter are for two years or least

HIGHWAY TRANSPORTATION

Series Q 129-135. Highway Construction—Contracts Awarded: 1947 to 1970

[In millions of dollars. Covers federally and State owned highways only; includes force-account construction authorized to start]

		Highways			ly aided jects	Independ pro	lent State jects			Highways		Federal proj	y aided ects	Independ pro	lent State jects
Year	Total	Federally owned	State owned	Total value	Federal funds	Total value	Total facilities	Year	Total	Federally owned	State owned	Total value	Federal funds	Total value	Total facilities
	129	130	131	132	133	134	135		129	130	131	132	133	134	135
1970	6,520 6,625 5,305 5,522 5,459 4,935 4,868 4,418 4,336 14,482 4,030 13,805	52 38 84 78 127 135 123 142 95 92 129 86	6,468 6,587 5,220 5,444 5,332 4,800 4,745 4,275 4,241 3,803 3,901 3,213	4,877 5,048 3,711 4,112 4,173 3,896 4,055 3,730 3,253 3,168 3,097 2,638	3,619 3,784 2,766 3,077 3,131 2,976 3,084 2,770 2,506 2,289 2,218 1,877	1,591 1,539 1,510 1,332 1,159 904 690 546 988 634 804 575	49 78 63 213 99 49 82 27 326 92 165 59	1958	14,585 13,917 13,303 2,619 12,746 12,713 12,088 11,743 1,528 11,448 11,448 917	96 92 92 92 59 62 53 90 71 36 47 28	3,996 3,311 2,718 2,560 2,300 2,287 1,654 1,362 1,492 1,150 1,145 892	3,489 2,390 1,737 1,256 1,218 998 912 780 798 643 740 635	2,504 1,614 963 667 630 519 476 409 415 332 386 329	507 921 981 1,304 1,082 1,289 743 582 694 507 405 257	44 343 387 695 459 800 146 68 228 120 46 (NA)

^{*} Denotes first year for which figures include Alaska and Hawaii. NA $\,$ Not available.

Series Q 136-147. Public Highway Debt-Long-Term Highway Obligations of State and Local Governments: 1945 to 1970

[In millions of dollars. State data are for calendar years; local data are for varying fiscal years. Excludes duplicated and interunit obligations, except as noted. Municipal obligations include data for all municipalities and other political subdivisions urban in character]

		Debt	issued			Debt re	deemed			Debt out	standing	
Year	Total 1	State	County and local rural	Municipal	Total ²	State	County and local rural	Municipal	Total	State	County and local rural	Municipal
	136	137	138	139	140	141	142	143	144	145	146	147
1970	1,886	1,305	174	407	1,252	782	152	318	19,107	13,903	1,685	3,519
1969	2,022	1,351	241	430	1,122	705	137	280	18,572	13,380	1,658	3,534
1968	1,991	1,377	241	373	1,071	657	136	278	17,672	12,734	1,554	3,384
1967	1,633	1,012	194	427	965	540	136	289	16,749	12,014	1,450	3,285
1966	1,680	1,156	158	366	915	519	126	270	16,080	11,542	1,394	3,144
1965	1,070	586	169	315	855	459	123	273	15,316	10,905	1,363	3,048
1964	1,097	634	156	307	752	381	116	255	15,114	10,778	1,317	3,019
1963	981	458	114	409	732	382	114	236	14,773	10,525	1,281	2,967
1962	1,535	1,017	184	334	679	340	110	229	14,537	10,449	1,285	2,803
1961	1,272	718	153	401	665	330	117	218	13,718	9,772	1,252	2,694
1960	1,206	680	190	336	616	300	96	220	13,166	9,384	1,280	2,502
1959*	1,158	669	153	336	610	308	92	210	12,576	9,004	1,186	2,386
1958	1,352	913	140	299	543	252	94	197	12,278	8,641	1,130	2,507
1957	1,200	702	123	375	535	253	92	190	11,422	7,945	1,084	2,393
1956	1,439	1,067	105	267	438	190	97	151	10,659	7,496	1,035	2,128
1955	1,174	646	205	323	421	191	89	141	9,658	6,619	1,027	2,012
1954	2,684	2,317	94	273	433	168	109	156	8,905	6,164	911	1,830
1953	1,353	1,038	119	196	344	139	86	119	6,654	4,015	926	1,713
1952	1,102	797	100	205	339	157	78	104	5,645	3,116	893	1,636
1951	790	535	79	176	349	156	82	111	4,883	2,476	868	1,539
1950	652	400	90	162	322	143	83	96	4,436	2,096	872	1,468
1949	533	254	98	181	3261	106	81	84	*4,077	1,838	888	1,402
1948	476	270	83	123	3266	117	79	78	*3,797	1,690	870	1,298
1947	308	80	107	122	3258	115	78	75	*3,589	1,537	866	1,254
1946	3161	55	49	62	3261	124	78	72	*3,538	1,571	837	1,207
1945	*49	11	22	20	≉258	115	87	78	³3,640	1,638	869	1,218

^{*} Denotes first year for which figures include Alaska and Hawaii. $^{\rm 1}$ Excludes refunding issues.

¹ Includes locally owned; therefore, details do not add to total.

 $^{^2}$ Excludes redemptions by refunding. 3 Duplicated and interunit obligations have been excluded from totals only.

Series Q 148-162. Motor-Vehicle Factory Sales and Registrations, and Motor-Fuel Usage: 1900 to 1970

[Number sold includes sales of military vehicles. Value of sales does not include Federal excise taxes. Beginning 1937, standard equipment is included in the value estimate]

	М	otor-vehicle	factory sa	les	М	otor-vehicl	e registrati	ons			Mo	otor-fuel us	age		
Year		ger cars Wholesale	and b	trucks buses ¹ Wholesale value	Total	Auto- mobiles	Buses	Trucks	Total	Highway	Non- highway	Passenger vehicles	Trucks and combina- tions	Consump- tion per vehicle	Average mileage per gallon, per vehicle
	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162
-	1,000	Mil. dol.	1,000	Mil. dol.	1,000	1,000	1,000	1,000	Mil. gal.	Mil. gal.	Mil. gal.	Mil. gal.	Mil. gal.	Gallons	
1970 1969 1968 1967 1966	6,546.8 8,223.7 8,822.1 7,436.7 8,598.3	14,500 18,751 19,352 15,653 17,554	1,692.4 1,923.1 1,896.0 1,539.4 1,731.0	4,670 3,592	108,407.3 105,096.6 100,884.7 96,930.9 93,962.0	83 591 6	379.0 364.2 351.7 337.9 322.1	18,748.4 17,870.9 16,941.2 16,178.8 15,516.8	96,331 92,240 87,154 81,911 78,979	82,948 77,730	4,002 4,105 4,206 4,180 4,314	63.395	25,600 24,727 23,482 21,673 20,415	786	12.1 12.2 12.3 12.4 12.5
1965 1964 1963 1962 1961	9,305.5 7,751.8 7,637.7 6,933.2 5,542.7	18,380 14,836 14,427 13,071 10,285	1,751.8 1,540.4 1,462.7 1,240.1 1,133.8	3,733 3,223 3,090 2,581 2,155	90,357.6 86,301.2 82,713.7 79,173.3 75,958.2	71,982.7 69.055.4	297.8	12,779.8	75,312 72,097 68,760 66,101 64,534	71,104 67,901 64,516 61,697 59,306	4,208 4,196 4,244 4,404 5,228	51,169 48,431 46,084 44,608 42,863	19,935 19,470 18,432 17,089 16,443	775 778 773 774 776	12.5 12.5 12.5 12.4 12.4
1960 1959* 1958 1957 1956	6,674.7 5,591.2 4,257.8 6,113.3 5,816.1	12,164 10,543 8,010 11,198 9,754	1,194.4 1,137.3 877.2 1,107.1 1,104.4	2,350 2,338 1,730 2,082 2,077	73,868.6 71,354.4 68,296.5 67,124.9 65,148.2	59,453.9 56,890.5 55,917.8 54,210.9	265.1 270.1 264.0	11,635.3 11,135.8 10,942.9 10,678.6	55,149	1 1	5,332 5,383 5,171 5,089 4,935	41,996 40,879 38,904 37,594 36,128	15,882 15,453 14,514 14,271 13,978	777 782 776 767 768	12.4 12.4 12.4 12.5 12.5
1955 1954 1953 1952 1951	7,920.1 5,558.8 6,116.9 4,320.7 5,338.4	12,452 8,218 9,002 6,455 7,241	1,249.1 1,042.1 1,206.2 1,218.1 1,426.8	2,020 1,660 2,089 2,319 2,323	62,688.7 58,505.3 56,217.4 53,262.4 51,912.7	52,144.7 48,468.4 46,429.2 43,823.0 42,688.3	255.2 248.3 244.2 240.4 230.4	9,543.9 9,198.8	52,565 49,118 47,381 45,037 42,473	47,730 44,365 42,731 40,584 38,128	4,834 4,753 4,649 4,452 4,345	34,319 31,670 30,384 28,735 26,910	13,308 12,541 12,245 11,849 11,171	759 757 757 766 730	12.7 12.7 12.8 12.7 12.9
1950 1949 1948 1947 1946	6,665.8 5,119.4 3,909.2 3,558.1 2,148.6	8,468 6,650 4,870 3,936 1,979	1,337.1 1,134.1 1,376.2 1,239.4 940.9	1,707 1,394 1,880 1,731 1,043	49,161.6 44,690.2 41,085.5 37,841.4 34,373.0	30.849.3	196.7 187.4	8,598.9 ·8,023.4 7,533.5 6,804.6 5,982.3	39,830 36,440 34,329 31,680 28,876	35,652 32,431 30,460 28,215 25,648	4,177 4,009 3,868 3,464 3,227	25,037 23,645 22,149 20,864 19,502	10,566 8,666 8,189 7,243 6,068	728 727 741 746 747	12.9 13.1 13.1 13.2 13.3
1945 1944 1943 1942 1941	69.5 .6 .1 222.8 3,779.6	(Z) (Z) 163 2,567	655.6 737.5 699.6 818.6 1,060.8	1,181 1,700 1,451 1,427 1,069	31,035.4 30,479.3 30,888.1 33,003.6 34,894.1	25,566.4 36,009.0 27,972.8	152.3 135.9	5,076.3 4,760.2 4,726.7 4,894.8 5,150.1	22,046 19,292 18,642 22,438 26,429	19,148 16,429 16,004 19,939 24,192	2,897 2,862 2,638 2,499 2,237	14,023 11,805 11,424 214,974 18,502	5,055 4,576 4,534 4,889 5,754	617 540 519 604 694	13.1 13.0 13.1 13.5 13.8
1940 1939 1938 1937 1936	3,717.3 2,888.5 2,019.5 3,929.2 3,679.2	2,370 1,770 1,241 2,240 2,014	754.9 700.3 488.8 891.0 782.2	567 489 329 537 463	32,453.2 31,009.9 29,813.7 30,058.8 28,506.8	25,250.4 25,467.2	87.6 83.1	4,886.2 4,691.2 4,475.5 4,508.5 4,261.6	21,311	22,001 20,714 19,611 19,455 18,099	2,037 1,857 1,700 1,659 1,462	16,759 15,826 15,069 15,018 14,026	5,156 4,807 4,465 4,365 4,003	678 668 658 648 635	13.8 13.8 13.9 13.9 14.0
1935 1934 1933 1932 1931	3,273.8 2,160.8 1,560.5 1,103.5 1,948.1	1,707 1,140 773 616 1,108	697.3 576.2 329.2 228.3 432.2	380 326 175 137 265	26,546.1 25,261.7 24,159.2 24,391.0 26,093.9	22,567.8 21,544.7 20,657.2 20,901.4 22,396.2	58.9 51.5 44.9 43.4 41.8	3,919.3 3,665.4 3,457.0 3,446.1 3,655.8	17,637 16,557 15,367 15,427 16,621	16,344 15,414 14,348 14,339 15,456	1,292 1,143 1,019 1,088 1,164				
1930 1929 1928 1927 1926	2,787.4 4,455.1 3,775.4 2,936.5 3,692.3	1,644 2,790 2,572 2,164 2,607	575.3 881.9 583.3 464.7 608.6	390 622 460 420 484	26,749.8 26,704.8 24,688.6 23,303.4 22,200.1	23,034.7 23,120.8 21,362.2 20,193.3 19,267.9	40.5 33.9 31.9 27.6 24.3	3,674.5 3,549.9 3,294.4 3,082.4 2,907.8	15,777 15,051 13,090 11,936 10,552	14,753 14,139 12,361 11,331 10,063	1,023 911 728 605 488				
1925 1924 1923 1922 1921	3,735.1 3,185.8 3,624.7 2,274.1 1,468.0	2,458 1,970 2,196 1,494 1,038	530.6 416.6 409.2 269.9 148.0	458 318 308 226 166	20,068.5 17,612.9 15,102.1 12,273.5 10,493.6	15,436.1 13,253.0 10,704.0		2,569.7 2,176.8 1,849.0 1,569.5 1,281.5	9,143 7,809 6,313 5,014 4,064	8,749 7,497 6,078 4,841 3,935	394 312 235 173 129				
1920 1919 1918 1917 1916	1,905.5 1,651.6 943.4 1,745.7 1,525.5	1,809 1,365 801 1,053 921	321.7 224.7 227.2 128.1 92.1	423 371 434 220 161	9,239.1 7,576.8 6,160.4 5,118.5 3,617.9	6,679.1 5,554.9 4,727.4		1,107.6 897.7 605.4 391.0 250.0		3,346 2,672					
1915 1914 1913 1912 1911	895.9 548.1 461.5 356.0 199.3	575 420 399 335 225	74.0 24.9 23.5 22.0 10.6	125 44 44 43 21	2,490.9 1,763.0 1,258.0 944.0 639.£	1,664.0 1,190.3 901.5		42.4					- 	I	
1910 1909 1908 1907 1906	181.0 123.9 63.5 43.0 33.2	215 159 135 91 61	6.0 3.2 1.5 1.0	9 5 2 1 1	468.5 312.0 198.4 143.2 108.1	305.9 194.4 140.3		10.1 6.0 4.0 2.9 2.2							
1905 1904 1903 1902 1901	24.2 22.1 11.2 9.0 7.0	38 23 13 10 8	.7	1	78.8 55.2 32.9 23.0 14.8	54.5 32.9 23.0									
1900	4.1	4			8.0	8.0	l l			 					

^{*} Denotes first year for which figures include Alaska and Hawaii. Z Less than \$500,000. $^1\,\mathrm{A}$ substantial portion of the number of trucks and buses (series Q 150) consists of chassis only, without bodies; hence the value of bodies for these chassis (series Q 151) is not included. 2 Beginning 1942, includes travel by military vehicles.

HIGHWAY TRANSPORTATION

Series Q 163-174. Automobile Insurance: 1946 to 1970

[Money figures in millions of dollars. 1950, net basis; 1955, direct writing basis; 1960 and 1965, direct premiums earned and direct losses incurred; 1969, premiums written basis; 1970, premiums earned basis]

	Т	otal insuran	ce			Automobi	le liability			Ph	ysical damag	ge ³
		Losses	paid 1]	Bodily injury	7	Pro	perty damas	ge ²		Losses	paid 1
Year	Premiums written		Percent of		Losses	paid 1		Losses	paid ¹	Premiums written		Percent of
		Total	premiums written	Premiums written	Total	Percent of premiums written	Premiums written	Total	Percent of premiums written		Total	premiums written
	163	164	165	166	167	168	169	170	171	172	173	174
1970 1969 1968 1968 1967 1966 1965 1965 1963 1963	12,906 11,693 10,800 10,008 8,358 7,582 7,341 6,922	11,198 7,715 6,642 5,814 5,235 5,221 4,787 4,459 4,034 3,723	76.6 59.8 56.8 53.8 52.3 62.5 63.1 60.7 58.3 55.8	6,723 5,892 5,383 4,991 4,610 3,948 3,612 3,333 3,144 2,977	5,256 3,093 2,802 2,580 2,351 2,459 2,266 2,017 1,849 1,744	78.2 52.5 52.1 51.7 51.0 62.3 62.3 62.7 60.5 58.8 58.6	2,836 2,544 2,280 2,091 1,894 1,567 1,418 1,328 1,276 1,285	2,291 1,693 1,416 1,224 1,090 1,025 940 826 748 705	80.8 66.5 62.1 58.5 59.6 65.4 66.3 62.2 58.6 54.9	5,053 4,470 4,030 3,718 3,504 2,843 2,552 2,680 2,502 2,406	3,651 2,929 2,424 2,011 1,794 1,737 1,581 1,616 1,437 1,274	72.3 65.5 60.1 54.1 51.2 61.1 62.0 60.3 57.4 53.0
1960* 1959 1958 1956 1956 1956 1954 1953 1951	6,060 5,404 5,037 4,541 4,644 4,175 4,165 3,608	3,645 3,445 2,846 2,714 2,363 2,122 1,869 1,810 1,646 1,406	56.5 56.8 52.7 53.9 52.0 45.7 44.8 43.5 45.6 47.0	2,841 2,596 2,432 2,180 1,899 1,735 1,642 1,562 1,332 1,126	1,697 1,615 1,280 1,141 923 820 746 661 569 493	59.7 62.2 52.6 52.3 48.6 47.3 45.4 42.3 42.7 43.8	1,219 1,185 1,087 989 925 896 877 833 715 575	675 655 572 541 488 415 387 374 369 313	55.4 55.3 52.6 54.7 52.8 46.3 44.1 44.9 51.5	2,388 2,279 1,885 1,868 1,717 2,013 1,656 1,770 1,561	1,273 1,175 994 1,032 952 887 736 775 708 600	53.3 51.6 52.7 55.2 55.4 43.6 44.4 43.8 45.4
1950 1949 1948 1947 1946	2,332 2,019 1,657	1,069 901 802 673 582	40.7 38.7 39.7 40.6 46.6	931 879 744 636 500	396 343 286 235 189	42.5 39.0 38.4 36.9 37.7	482 453 366 289 193	231 205 171 138 107	47.9 45.3 46.9 37.9 55.1	1,212 999 910 732 557	442 353 345 300 287	36.5 41.0 37.9 41.0 51.5

^{*} Denotes first year for which figures include Alaska and Hawaii. $^{\rm 1}$ For 1970, includes adjusting expenses.

Series Q 175-186. Percent Distribution of Automobile Ownership, and Financing: 1947 to 1970 [In percent. Excludes Alaska and Hawaii]

1	Familie	s owning auto	mobiles				Method	of financing p	ourchases	-		
				All	passenger ca	rs 1	Nev	v passenger c	ars 1	Used	l passenger c	ars 1
Years	Total	Owning 1 automobile	Owning 2 or more automobiles	Total	Full cash ²	Installment credit and other borrowing	Total	Full cash ²	Installment credit and other borrowing	Total	Full cash ²	Installment credit and other borrowing
	175	176	177	178	179	180	181	182	183	184	185	186
1970 1969 1968 1968 1967 1966 1965 1965 1963 1962 1961	82 79 79 78 79 78 80 74 76	54 52 53 53 54 55 55 55 57 58	28 27 26 25 25 24 22 22 17 18	100 100 100 100 100 100 100 100 100	47 47 42 48 48 48 47 45 44 44	53 53 58 52 52 52 53 55 56	100 100 100 100 100 100 100 100 100	34 34 31 38 37 40 40 38 38	66 66 69 62 63 60 60 62 62 61	100 100 100 100 100 100 100 100 100 100	52 51 50 53 53 51 49 48 52	48 49 50 47 48 47 49 51 50 48
1960 1959 1958 1958 1957 1956 1956 1954 1953 1953 1952	77 74 70 75 72 70 66 61 60 60	62 59 60 62 61 60 58 55 56	15 15 10 13 9 10 8 5 4	100 100 100 100 100 100 100 100 100 100	38 38 43 38 36 38 37 38 35 44	62 61 56 60 61 60 61 61 63 55	100 100 100 100 100 100 100 100 100	33 33 36 36 34 39 38 40 41 52	67 66 63 63 63 60 61 59 57 47	100 100 100 100 100 100 100 100 100 100	41 45 39 38 37 36 37 33 39	59 57 54 58 60 61 62 65
1950 1949 1948 1947	59 56 54	52 3 48	7 *3	100 100 100 100	47 50 59 65	52 49 39 35	100 100 100 100	54 56 66 71	46 43 33 29	100 100 100 100	41 47 55 63	57 52 42 37

¹ Refers to purchases during preceding year. Includes cars received as gifts, whether cash or credit purchased. Detail in purchases excludes buyers for whom method of financing was not ascertained.

 ² Covers real property against damage by autos.
 ³ Covers auto fire, theft, collision, and comprehensive.

Includes trade-in allowance.
 Based on spending units (persons living in the same dwelling and related by blood, marriage, or adoption) who pooled their income for major items of expense.

Series Q 187-198. Speed of Motor Vehicles on Highways: 1945 to 1970

[Excludes Alaska and Hawaii. Based on actual speed of each vehicle recorded on tangent sections of main rural highways during off-peak hours]

	Vehicles		Average spe	ed (m.p.h.)				Percent o	of vehicles exc	eeding—		-
Year	recorded (1,000)	All vehicles	Passenger cars	Trucks	Buses	40 m.p.h.	45 m.p.h.	50 m.p.h.	55 m.p.h.	60 m.p.h.	65 m.p.h.	70 m.p.h.
	187	188	189	190	191	192	193	194	195	196	197	198
1970	488 388 480 478 519 552 569 539 602 574	59.2 60.0 59.0 58.0 57.3 56.4 55.9 55.8 53.8 52.6	60.6 61.3 60.4 59.5 58.8 57.8 57.1 55.1 55.1	54.7 54.9 54.0 53.1 52.6 51.8 51.3 49.4 48.2	58.8 59.4 60.5 59.4 58.8 57.8 58.1 56.0 55.3	97 98 97 96 96 95 95 95 98 92	93 93 92 91 89 88 87 88 84	83 82 81 79 76 73 71 72 64 60	68 67 66 64 59 56 53 52 43 38	47 46 45 44 40 34 32 29 21 18	27 27 26 24	12 13 12 12 12
1960	459 396 515 344 381 395 236 241 341 273	52.6 52.0 51.7 51.4 50.5 49.7 49.7 49.5 48.9	53.8 53.3 52.8 52.6 51.8 52.0 51.1 51.1 50.8 50.1	48.2 47.3 47.3 47.0 46.2 45.6 45.2 44.9 45.0	55.5 53.5 53.6 52.6 52.3 52.3 51.5 51.5 52.1 51.2	92 90 90 89 87 87 86 85 84 82	80 77 77 75 72 72 69 69 68	58 56 55 52 49 50 46 47 45	37 36 33 33 30 29 26 27 26 24	16 16 15 15 14 14 12 13 12		
1950	280 223 164 132 158 96	47.6 47.6 47.7 46.9 45.2 44.0	48.7 48.7 48.8 48.1 46.1 45.0	43.0 43.5 43.1 42.5 40.2 89.8	49.8 50.3 50.0 48.4 47.8 45.5	77 78 77 75 68 64	58 60 59 56 48 42	37 38 36 34 29 24	20 21 20 18 15	8 9 9 8 7 5		

¹ August 15 to December 31.

Series Q 199-207. Miles of Travel by Motor Vehicles: 1921 to 1970 [In million vehicle-miles]

	All	motor vehic	les	Passenger	vehicles 1	Truck combin		Averag per v	ge miles ehicle		All	motor vehic	eles
Year	Total travel	Urban travel	Rural tra vel	.Urban travel	Rural travel	Urban travel	Rural travel	Passenger vehicles 1	Trucks and combina- tions	Year	Total travel	Urban travel	Rural travel
	199	200	201	202	203	204	205	206	207		199	200	201
1970	1,707,575 1,015,649 961,553 930,497 887,640 886,520 737,535 718,845 700,478 664,653 647,004 631,161 605,646 561,963 544,433 513,581 513,581 513,581 520,173 212,713 212,713 208,192 268,224 333,612 302,188 285,402 271,177 270,1177	296, 699 287, 200 275, 105 247, 551 236, 058 224, 118 222, 671 218, 248 205, 364 199, 082 184, 088 170, 049 130, 161 110, 750 108, 990 138, 235 142, 253 142, 253 136, 264 138, 072	186,806 170,831 120,012 101,963 99,202 129,989 170,021 152,195 143,149 134,913 132,038	417, 2099 402, 573 358, 796 342, 755 327, 7079 318, 937; 294, 191 286, 898 279, 931 265, 729 256, 563 246, 961; 235, 384 210, 671 199, 754 189, 987 188, 670 184, 476 175, 686 170, 331 158, 770 148, 497 111, 401 93, 673 91, 942 119, 653 143, 101 130, 269 122, 805 117, 537 118, 216	183,218 171,044 153,617 145,921 136,153 92,831 77,264 74,592 102,780 135,558 121,988 115,378 109,145	36, 880, 364, 304, 334, 131, 34, 001, 33, 772, 29, 678, 28, 751, 25, 318, 760, 17, 071, 17, 048, 18, 582, 20, 490, 19, 724, 19, 748, 18, 727, 19, 856	134,064 130,408 124,298 114,172 106,701 108,599 101,940 97,226 84,137 88,140 81,722 79,296 67,797 68,329 64,929 65,780 67,770 77,771 25,788	9,492 9,474 9,559 9,425 9,425 9,406 9,417 9,412 9,208 9,078 9,466 9,644 10,033 7,877 6,647 6,366 7,910	11,73°, 11,72°, 11,644 10,466 10,461 10,583 10,552 10,348 10,328 10,813 10,697 10,940 10,790 10,790 10,790 10,790 10,790 10,790 10,790 10,790 10,790 10,790 10,790 10,790	1934 1933 1932 1931 1930 1929 1927 1926 1927 1926 1923 1923 1921	200,642 200,517 216,151 206,320 197,720 172,856 158,453 140,735	112,513 105,578 106,366 115,580 111,202 107,409	94,151 100,571 95,118 90,311

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ Passenger cars, buses, and taxicabs.

HIGHWAY TRANSPORTATION

Series Q 208-223. Motor Vehicle Deaths and Death Rates, by Age: 1913 to 1970

[Rates are deaths per 100,000 population]

	All	ages	Under	years	5–14	уеагв	15–24	years	25-44	years	45-64	years	65-74	years	75 years a	nd over
Year or period	Number	Rate 1	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<u> </u>	20 8	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223
970 1969 1968 1967 1966	54,633 55,791 55,200 52,924 53,041	25.3 27.6 28.8 27.8 28.3	1,915 2,077 2,100 2,067 2,182	11.2 11.6 11.0 10.7 11.0	4,159 4,045 4,200 3,845 3,869	10.2 9.8 10.2 9.4 9.6	16,720 17,443 16,600 15,646 15,298	46.7 49.8 51.6 49.2 48.8	13,446 13,868 13,600 12,987 13,282	27.9 28.9 28.5 27.6 28.6	11,099 11,012 11,300 10,902 11,051	26.5 26.6 27.8 26.9 27.9	4,084 4,210 4,100 4,285 4,217	32.7 35.2 34.5 36.5 36.4	3,210 3,136 3,300 3,192 3,142	42.2 41.5 46.7 45.7 45.6
965 964 963 962 961	49,163 47,700 43,564 40,804 38,091	26.5 26.1 24.3 23.1 22.0	2,059 2,120 1,991 1,903 1,891	10.1 10.2 9.6 9.2 9.2	3,526 3,430 3,063 3,028 2,802	8.9 8.8 8.0 8.1 7.6	13,395 12,400 11,123 10,157 9,088	44.2 42.7 40.1 38.4 36.5	12,595 12,500 11,356 10,701 10,212	27.1 26.8 24.4 22.9 21.8	10,509 10,200 9,506 8,812 8,267	27.0 26.6 25.1 23.6 22.5	4,077 4,150 3,786 3,696 3,467	35.5 36.4 33.4 32.8 31.0	3,002 2,900 2,739 2,507 2,864	45.0 44.9 43.9 41.5 40.5
960 959 958 957 956	38,137 37,910 36,981 38,702 39,628	22.4 22.7 22.5 24.1 25.1	1,953 1,842 1,791 1,785 1,770	9.6 9.2 9.1 9.2 9.4	2,814 2,719 2,710 2,604 2,640	7.9 7.9 8.1 8.0 8.4	9,117 8,969 8,388 8,667 9,169	37.7 38.2 37.0 39.7 42.9	10,189 10,358 10,414 11,230 11,551	21.8 22.2 22.2 23.9 24.6	8,294 8,263 7,922 8,545 8,573	22.9 23.2 22.6 24.8 25.3	3,457 3,487 3,535 3,560 3,657	31.3 32.8 33.5 34.4 36.2	2,313 2,272 2,221 2,311 2,268	41.1 41.8 42.3 45.5 46.4
955	38,426 35,586 37,955 37,794 36,996	24.6 23.0 24.9 25.0 24.6	1,875 1,864 2,019 1,951 1,875	10.2 10.4 11.5 11.3 10.9	2,406 2,332 2,368 2,295 2,300	8.0 8.1 8.5 8.7 9.2	8,656 7,571 8,169 8,115 7,713	40.9 36.2 39.1 38.6 36.0	11,448 10,502 11,302 11,380 11,253	24.5 22.6 24.5 24.7 24.7	8,372 7,848 8,318 8,463 8,276	25.2 24.0 25.8 26.7 26.5	3,455 8,247 3,508 3,472 3,444	35.1 33.9 37.7 38.5 39.5	2,214 2,208 2,271 2,118 2,135	47.1 49.0 52.6 50.8 53.0
950	34,763 31,701 32,259 32,697 38,411	23.3 21.5 22.3 23.0 24.0	1,767 1,667 1,635 1,502 1,568	10.8 10.7 11.0 10.5 11.9	2,152 2,158 2,337 2,275 2,508	8.8 9.0 9.8 9.7 10.8	7,600 6,772 7,218 7,251 7,445	34.5 30.7 32.5 32.8 34.4	10,214 8,892 8,702 8,775 8,955	22.5 19.9 19.8 20.3 21.1	7,728 7,073 7,190 7,468 7,532	25.1 23.4 24.3 25.7 26.4	3,264 3,116 3,173	38.8 37.8 39.6	2,038 2,023 2,001 5,426 5,403	52.4 53.9 55.4 48.2 49.6
945	28,076 24,282 23,823 33,549 36,313	21.4 18.3 17.7 25.5 29.3	1,290 1,203 1,132 1,187 1,273	10.0 9.6 9.4 11.1 12.4	2,386 2,093 1,959 2,453 3,054	10.3 9.1 8.6 10.8 12.7	5,358 4,561 4,522 6,705 6,790	27.8 22.6 20.6 28.5 29.3	7,578 6,514 6,454 9,173 10,224	19.7 16.7 16.1 23.1 26.9	6,794 5,982 5,996 8,594 9,521	24.2 21.6 22.0 32.8 39.8			3,929 3,760 5,437	44.1 38.2 37.6 59.8 69.8
1928-1932 avg 1923-1927 avg 1918-1922 avg 1913-1917 avg	30,900 21,700 12,500 6,700	26.4 19.6 12.3 7.0	1,500 1,300 950 450	12.8 11.1 8.3 3.8	3,600 3,800 3,100 1,600	14.5 15.8 14.1 7.7	5,600 3,500 1,650 950	25.1 16.8 8.8 5.1	8,200 5,400 2,900 1,700	22.6 15.9 9.4 5.9	7,500 4,800 2,500 1,400	35.0 24.7 14.5 8.9			4,500 2,900 1,400 600	67.5 48.6 27.9 13.4

 $^{^{\}rm I}$ Based on populations standardized for age (base 1940) to remove influence of changes in age distribution that occurred between 1913 and 1969.

Series Q 224-232. Motor-Vehicle Accidents—Number and Deaths, by Type of Accident: 1913 to 1970

	Total			Traffic deaths 1	_		T	raffic death rates	
	motor- vehicle accidents		Non-	(Collision accidents		Per	Per 10,000	Per 100 million
Year	(1,000)	Total	collision accidents	With other motor vehicles	With pedestrians	With fixed objects	100,000 population	motor vehicles	vehicle miles
	224	225	226	227	228	229	230	231	232
1970	16,000	54,633	² 15,400	23,200	9,900	23,800	26.8	4.9	4.9
1969	15,500	55,791	15,700	23,700	10,100	3,900	27.7	5.2	5.2
1968	14,600	54,862	17,400	22,400	9,900	2,700	27.5	5.3	5.4
1967	13,700	52,924	16,700	22,000	9,400	2,350	26.8	5.4	5.5
1966	13,600	53,041	16,300	22,200	9,400	2,500	27.1	5.5	5.7
1965	13,200	49,163	14,900	20,800	8,900	2,200	25.4	5.4	5.5
1964	12,300	47,700	14,600	19,600	9,000	2,100	25.0	5.5	5.6
1963	11,500	43,564	13,800	17,600	8,200	1,900	23.1	5.2	5.4
1962	11,000	40,804	12,900	16,400	7,900	1,750	22.0	5.1	5.3
1961	10,400	38,091	12,200	14,700	7,650	1,700	20.8	5.0	5.2
1960	10,400	38,137	11,900	14,800	7,850	1,700	21.2	5.1	5.3
1959	10,200	37,910	11,800	14,900	7,850	1,600	21.5	5.3	5.4
1958	10,000	36,981	11,600	14,200	7,650	1,650	21.3	5.4	5.6
1957	10,200	38,702	11,800	15,400	7,850	1,700	22.7	5.7	6.0
1956	10,300	39,628	13,000	15,200	7,900	1,600	23.7	6.1	6.3
1955	9,900	38,426	12,100	14,500	8,200	1,600	23.4	6.1	6.3
	9,550	35,586	11,500	12,800	8,000	1,500	22.1	6.1	6.3
	9,900	37,955	12,200	13,400	8,750	1,500	24.0	6.7	7.0
	9,500	37,794	11,900	13,500	8,900	1,450	24.3	7.1	7.4
	9,400	36,996	11,200	13,100	9,150	1,450	24.1	7.1	7.5

² Includes "age unknown." In 1967, those deaths numbered about 23.

Series Q 224-232. Motor-Vehicle Accidents-Number and Deaths, by Type of Accident: 1913 to 1970-Con.

	Total			Traffic deaths ¹				Traffic death rate	8
	motor- vehicle accidents		Non-		Collision accident	8	Per	Per 10,000	Per 100 million
Year	(1,000)	Total	collision accidents	With other motor vehicles	With pedestrians	With fixed objects 2	100,000 population	motor vehicles	vehicle miles
	224	225	226	227	228	229	230	231	232
1950 1949 1948 1947 1946	8,300 7,600 8,200 8,400 6,150	34,763 31,701 32,259 32,697 33,411	10,600 9,100 8,950 8,800 8,900	11,650 10,500 10,200 9,900 9,400	9,000 8,800 9,950 10,450 11,600	1,300 1,100 1,000 1,000 950	23.0 21.3 22.1 22.8 23.9	7.1 7.1 7.9 8.6 9.7	7.6 7.5 8.1 8.8 9.8
1945	5,500 4,800 4,400 5,200 7,000	28,076 24,282 23,823 28,309 39,969	6,600 5,600 5,690 6,740 9,450	7,150 5,700 5,800 7,300 12,500	11,000 9,900 9,900 10,650 13,550	800 700 700 850 1,350	21.2 18.3 17.8 21.1 30.0	9.1 8.0 7.7 8.6 11.5	11.2 11.4 11.4 10.6 12.0
1940 1939 1938 1937 1936	6,100 5,700 5,800 7,000	34,501 32,386 32,582 39,643 38,089	7,800 7,900 7,350 9,690 9,410	10,100 8,700 8,900 10,320 9,500	12,700 12,400 12,850 15,500 15,250	1,100 1,000 940 1,160 1,060	26.1 24.7 25.1 30.8 29.7	10.6 10.4 10.9 13.2 13.4	11.4 11.4 12.0 14.7 15.1
1935		36,369 36,101 31,363 29,500 33,700	9,720 9,820 8,680 7,000 7,850	8,750 8,110 6,470 6,070 6,820	14,350 14,480 12,840 11,490 13,370	1,010 1,040 900 800 870	28.6 28.6 25.0 23.6 27.2	13.7 14.3 13.0 12.2 13.0	15.9 16.8 15.6 16.1 17.0
1930 1929 1928 1927 1926		32,900 31,200 28,000 25,800 23,400	8,730 8,430 7,360 7,280	5,880 5,400 4,310 3,430	12,900 12,250 11,420 10,820	720 620 540 500	26.7 25.7 23.4 21.8 20.1	12.4 11.8 11.4 11.2 10.6	17.4 17.3 17.4 17.7 18.0
1925		21,900 19,400 18,400 15,300 13,900					19.1 17.1 16.5	11.0 11.0 12.2	17.9
1920 1919 1918 1917		12,500 11,200 10,700 10,200 8,200							
1915 1914 1913		6,600 4,700 4,200							

 $^{^{\}rm 1}$ Totals may not quite equal sums of various types because totals for most types are estimated, and these have been rounded.

Series Q 233-234. State and Federal Gasoline Tax Rates: 1930 to 1970

[In cents per gallon. When 2 figures appear in a cell, the first is tax in effect at beginning of year, the other is tax at end of year]

Year	State average	Federal tax ¹	Year	State average	Federal tax ¹	Year	State average	Federal tax ¹
	233	234		233	234		233	234
1970 1969 1968 1967 1966	7.01 6.84 6.62 6.45 6.42	4 4 4 4	1955 1954 1953 1952 1951	5.35 5.19 5.10 4.83 4.74	2 2 2 2 2 1.5–2	1940 1939 1938 1937 1936	3.96 3.96 3.96 3.91 3.85	1-1.5 1 1 1 1
1965 1964 1963 1962 1961	6.41 6.31 6.22 6.18 6.09	4 4 4 4 4	1950 1949 1948 1947 1946	4.65 4.52 4.35 4.25 4.16	1.5 1.5 1.5 1.5 1.5	1935 1934 1933 1932 1931	3.80 3.66 3.65 3.60 3.48	1 1 1-1.5 0-1
1960 1959* 1958 1957 1956	5.94 5.86 5.65 5.58	4 3-4 3 3 2-3	1945 1944 1943 1942 1941	4.10 4.06 4.05 3.99 3.99	1.5 1.5 1.5 1.5 1.5	1930	3.35	

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ The 4-cent gasoline tax applies to all gallonage imported or produced. Effective July 1, 1955, the entire tax became refundable for fuel used for farming; thereafter,

the additional two cents (one cent levied July 1, 1956, and one cent levied Oct. 1, 1959) became refundable for nonhighway uses, and for use by local transit systems.

 $^{^{2}\,\}mathrm{Data}$ based on improved reporting procedure; therefore, not entirely comparable with other years.

HIGHWAY TRANSPORTATION

Series Q 235-250. Public Transit Mileage, Equipment, Passengers, and Passenger Revenue: 1917 to 1970

	Mile	age (Dec.	31)	Equipme	nt owned	(Dec. 31)	Revenue	and nonr (mill		ssengers	Revenue passen-	Passen- ger	Em-	Em- ployee	Passenger railway (rs carried, millions)
Year	Railway track	Trolley coach	Motor bus	Railway cars	Trolley coaches	Motor buses	Total	Railway	Trolley coach	Motor bus	gers (mil.)	revenue (mil. dol.)	ployees (1,000)	payroll (mil. dol.)	Surface	Subway and elevated
	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250
1970 1969 1968 1967	9 081	563 563 616 616 676	112,700 117,300 121,000 123,600 122,100	10.745	1,185 1,244	49,700 49,600 50,000 50,180 50,130	8,019 8,172	2,116 2,229 2,181 2,201 2,085	182 199 228 248 284	5,375 5,610 5,723	5,932 6,310 6,491 6,616 6,671	1,689.1 1,554.7 1,470.2 1,457.4 1,885.4	138 141 144 146 144	1,274 1,184 1,110 1,055 995	253 263	1,980 1,928 1,938
1965 1964 1968 1968 1962	2,178 2,236 2,557	766 986 1,119 1,849 2,017	117,400	10,664 10,614 10,634 11,084 11,419	2,155 3,161	49,600 49,200 49,400 48,800 49,000	8,328 8,400 8,695	2,134 2,166 2,165 2,283 2,289	305 349 413 547 601	5,813 5,822	6,798 6,854 6,915 7,122 7,242	1,340.1 1,326.0 1,316.3 1,330.2 1,320.9	145 145 147 149 152	892 878	329 284	1,877 1,836 1,704
1960 1959* 1958 1958 1957	3,143 3,445 3,844 5,019 5,746	2,196 2,491 2,723 3,007 3,293	108,700 106,300 104,500 102,400 100,700	11,866 11,983 12,201 12,759 13,225	4,297 4,848 5,412	49,600 49,500 50,100 50,800 51,400	9,732 10.389	2,313 2,349 2,387 2,522 2,756	657 749 843 993 1,142	6,502 6,874	8,338	1,334.9 1,308.0 1,282.2 1,319.8 1,351.1	156 159 165 177 186	831 840	572 679	1,828 1,815 1,843
1955 1954 1953 1952 1951	6,197 6,765 7,352 8,532 9,457	3,428 3,630 3,663 3,736 3,678	99,800 99,000 100,000 99,600 99,700	17,234 19,176	6,598 6,941 7,180	52,400 54,000 54,700 55,980 57,660	12,392 13,902 15,119	3,077 3,401 4,076 4,601 5,290	1,202 1,367 1,566 1,640 1,633	7,624 8,260 8,878	9,858 11,036 12,022	1,358.9 1,410.0 1,448.6 1,438.1 1,411.6	211 220 227	895 913 903	1,489 2,036 2,477	1,912 2,040 2,124
1950 1949 1948 1947 1946	11,931 12,964 14,976	3,513 3,837 2,905 2,699 2,354	98,000 96,400 96,500 95,300 91,100	24,728 26,280 30,158	6,366 5,687 4,707	56,820 57,035 58,540 56,917 52,450	19,008 21,368	9.112	1,658 1,661 1,528 1,356 1,311	10,162 10,728 10,332	15,251 17,312	1,386.8 1,419.7 1,416.8 1,324.2 1,331.5	253 261	841 829	4,839 6,506 8,096	2,346 2,606 2,756
1945 1944 1943 1942 1941	17,702 18,082 18,181 18,171 18,342	2,313 2,245 2,248 2,278 2,041	90,400 87,700 87,000 85,500 82,100	37,199 37,505 37,508	3,561 3,501 3,385	49,670 48,400 47,100 46,000 39,300	23,017 22,000 18,000	11,806 9,856	1,244 1,234 1,175 899 652	9,019 7,245	18,735	1,296.9 1,285.6 979.1	219	554 462	9,150 7,290	2,621 2,656 2,566
1940	19,602 20,600 21,800 23,770 25,300	1.166	67,000	40,372 42,605 45,312	2,184 2,032 1,655	35,000 32,600 28,500 27,500 23,900	12,837 12,645 13,246	8,539 8,781 9,468	534 445 389 289 143	3,853 3,475 3,489	9,985 10,436	681.5 662.9 689.7	202 202 209	344 348	6,171 6,545 7,161	2,368 2,236 2,307
1935 1934 1933 1982 1931					441 310		12,038 11,327 12,025 13,924	9,600 9,207 9,852	96 68 45 37 28	2,370 2,075 2,136 2,313			204 201	303 287	7,394 7,074	2,206 2,183
1930							15,567 16,985 16,989 17,201 17,234	14.518	5 3	2,479 2,622 2,468 2,300 2,009						
1925								15,167 15,312 15,650 15,331 14,574		1,484 989 661 404						
1920 1919 1918 1917								15,541 14,916 14,248 14,507								

^{*} Denotes first year for which figures include Alaska and Hawaii.

Series Q 251-263. Oil Pipelines Operated and Oil Originated: 1921 to 1970

	Miles	Oil orig	inated	Oil deli	vered out of	system		Investment					
Year	of line operated	Crude	Refined	Total	To con- necting carriers	Terminated	Companies reporting	in carrier property	Current assets	Current liabilities	Retained income	Capital- ization	Net income
	251	252	253	254	255	256	257	258	259	260	261	262	263
	-	Mil. bbl.	Number	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.				
1970 1969 1968 1967 1966	175,735 170,824 169,307 165,478 163,155	3,568 3,405 3,203 3,017 2,826	2,449 2,316 2,203 2,035 1,774	8,147 7,745 7,269 6,800 6,238	2,320 2,243 2,048 1,890 1,770	5,827 5,499 5,221 4,910 4,468	101 99 97 90 87	5,786 5,379 5,139 4,745 4,433	628 644 562 519 572	480 441 431 354 333	1,124 1,037 950 873 858	2,518 2,267 2,130 1,943 1,790	312 273 262 1 261 236
1965 1964 1963 1962 1961	161,412 159,583 156,812 155,053 153,737	2,618 2,567 2,467 2,379 2,336	1,629 1,381 1,182 1,078 966	5,864 5,565 5,322 5,109 4,923	1,757 1,684 1,648 1,624 1,646	4,107 3,881 3,673 3,485 3,277	89 90 94 92 89	4,178 4,040 3,915 3,518 3,407	555 530 535 432 432	301 293 254 184 190	835 812 843 798 769	1,635 1,620 1,685 1,383 1,397	218 210 201 204 181
1960*	151,968 149,159 144,354 145,236 142,686	2,239 2,182 2,018 2,183 2,195	909 849 757 668 663	4,783 4,659 4,317 4,472 4,458	1,639 1,624 1,509 1,590 1,613	3,144 3,035 2,807 2,883 2,845	87 85 82 82 83	3,300 3,197 2,949 2,843 2,716	393 384 347 364 368	187 175 154 161 217	701 673 633 600 467	1,439 1,385 1,383 1,357 1,304	169 183 162 159 178
1955	140,374 138,962 133,900 132,715 131,457	2,038 1,829 1,861 1,810 1,774	586 502 435 385 345	4,039 3,705 3,627 3,359 3,201	1,444 1,355 1,279 1,198 1,126	2,595 2,349 2,349 2,161 2,075	84 81 78 75 76	2,586 2,501 2,312 2,064 1,822	353 316 301 323 233	185 155 173 182 166	432 403 372 328 279	1,282 1,266 1,177 1,024 759	153 124 10 9 97 82
1950 1949 1948 1947 1946	128,589 124,984 124,092 119,298 116,544	1,525 1,415 1,586 1,431 1,319	297 241 227 187 154	2,740 2,448 2,697 2,474 2,260	937 792 880 851 766	1,803 1,656 1,817 1,623 1,494	76 73 73 71 70	1,656 1,498 1,381 1,225 1,106	192 175 168 127 104	126 97 110 105 83	219 202 180 148 129	660 549 439 339 298	81 58 57 53 56
1945 1944 1943 1942 1941	113,351 111,615 108,783 106,485 105,435	1,292 1,277 1,123 981 971	150 147 144 92 82	2,365 2,389 2,077 1,764 1,642	964 1,043 866 692 563	1,401 1,347 1,211 1,072 1,079	74 75 74 69 71	1,043 1,001 965 919 885	115 104 108 81 56	78 91 82 75 91	120 93 71 62 30	301 283 297 301 293	66 66 61 57 79
1940	100,156 98,681 95,938 96,612 93,926	886 803 793 885 755	72 70 65 63 52	1,407	451	956 907 868 910 788	66 63 59 58 52	842 830 808 803 774	47 32 35 44 42	52 48 45 51 43	51 40 40 42 38	295 310 295 323 309	80 81 93 103 92
1935 1934 1933 1932 1931	92,037 93,070 93,724 92,782 93,090	723 557 538 508 489	44 35 29 25 16			709	53 51 48 46 49	763 758 766 764 845	47 72 66 77 132	40 11 20 21 37	59 101 92 89 171	346 348 360 368 474	78 84 106 112 121
1930 1929 1928 1927 1926	88,728 85,796 81,676 76,070 72,846						40 37 33 32 33	773 741 659 609 539	133 129 130 125 93	36 25 30 27 22	167 186 186 150 130	458 428 388 388 342	124 142 117 93 80
1925 1924 1923 1922 1921	70,009 68,185 64,760 57,349 55,260						35 36 34 36 33	511 496 432 382 365	88 159 144 130 127	13 54 77 36 61	102 107 78 152 148	346 496 497 472 337	88 72 63 59 34

^{*}Denotes first year for which figures include Alaska and Hawaii.

After extraordinary and prior period items.

Rail Transportation (Series Q 264-412)

Q 264-412. General note.

The principal sources of these series are various issues of two annual publications of the Interstate Commerce Commission: For 1954-1970, Transport Statistics in the United States, part 1; and for all years prior to 1954, Statistics of Railways in the United States.

No attempt has been made to adjust the figures for the effect of changes in methods of accounting and reporting; hence, the data for the various years are often only approximately comparable.

Although railroads regulated by the ICC are still described legally as "steam railways," most train and switching operations, since 1957, are performed by diesel locomotives, and some divisions of the railways included are electrified. The Commission has also regulated a small and diminishing number of railways of the interurban electric type which are not included in the figures shown here.

Railway operating companies are those whose officers direct the actual transportation service and whose books contain operating as well as financial accounts. Lessor companies maintain a separate legal existence, but their properties are operated by the lessees. Proprietary companies are also nonoperating companies. Their outstanding capitalization is owned by other railway companies. The term "circular" refers to roads (operating or nonoperating) for which brief circulars showing date of incorporation, mileage, and a few other facts were filed with the Interstate Commerce Commission. They include intrastate roads and roads under construction. The term "unofficial" is used to indicate roads for which official returns were not received by the ICC—the figures having been taken from the returns by roads in prior years, and items contained in railway and engineering periodicals and newspapers, corrected in accordance with the best information available.

Switching and terminal companies are those operating separately for joint account or for revenue. Services such as those of switching and terminal companies are mostly performed directly by the line-haul carriers as an ordinary part of their business. Line haul denotes train movements between terminals and stations on main and branch lines of the road, exclusive of switching.

Beginning in 1911, the ICC classified operating companies on the basis of operating revenues. Those of class I had annual revenues above \$1,000,000; class II, above \$100,000; and class III, below \$100,000. Beginning in 1956, the minimum for class I was raised to \$3,000,000 and the other two classes were consolidated. Effective January 1965, the classification was changed to the following: Class I, \$5,000,000 or more; and class II, under \$5,000,000. If the revenues of a company fall below the limit, the company is not reclassified until the decline appears to be permanent. The relative importance of class I railroads has increased since 1911 because of the growth of traffic and the absorption of small roads in larger systems. The ratio of operating revenues of class I line-haul companies to the total revenues of classes I, II, and III was 96.48 percent in 1911, 97.45 in 1916, 98.07 in 1926, 98.76 in 1941, 99.06 in 1945, and 98.21 in 1969.

A collection of definitions of words or phrases frequently used in discussions of railway statistics has been issued by the ICC, entitled Railway Statistical Terms, Statement No. 4119, June 1941. For financial terms, see ICC, Uniform System of Accounts for Steam Railroads.

Statistics of mileage in existence and stocks of equipment, and balance sheet items, pertain to the end of the year indicated.

There are no class I railroads in Alaska or Hawaii.

Q 264-273. Electric railways-summary, 1890-1937.

Source: U.S. Bureau of the Census, Census of Electrical Industries, Report on Street Railways and Trolley-Bus and Motorbus Operations. The census of street railways, which was first taken in 1890, and which was taken at quinquennial intervals from 1902 through 1937, covers all street railways, without regard to kind of motive power, and all interurban railways using other than steam as motive power. The nonelectric railroads included are those operated principally by cable and gasoline engines. Operations of electrified divisions of steam-railway companies are not included. Figures in these series do not include data for motorbus and trolley-bus operations of electric street railways. For motorbus and trolley-bus statistics from census reports, see source.

Q 274-282. Railroad passenger and freight service, 1865-1890.

Source: U.S. Interstate Commerce Commission, Railway Statistics Before 1890, Statement No. 32151 (mimeographed), 1932.

Before 1890, the principal source of continuous information on railroads is the annual *Poor's Manual of Railroads*. The figures in the *Manual* were revised in successive issues. The Interstate Commerce Commission consulted the issues from 1869 to 1900 and evidently took account of the revisions. Earnings and traffic figures are understatements of actual level; mileage covered is shown in the table below. Similar but not identical figures, with the degree of coverage similarly indicated in terms of mileage, appear in Bureau of the Census, *Report on Transportation Business in the United States at the Eleventh Census*, 1890, part 1.

Table I. Miles of Road Operated by Railroads

Roads reporting earnings 1	Roads reporting earnings and traffic statistics	Year	Roads reporting earnings ¹
158,037 153,945 145,387 137,028	157,976 153,689 145,341 136,986	1879 1878 1877 1876	79,009 78,960 74,112 73,508
123,320 115,704 110,414 104,971 92,971	122,110 113,172 106,938 95,752	1875. 1874. 1878. 1872. 1871.	71.759 69,273 66,237 57,323 44,614
	158,037 153,945 145,387 137,028 125,185 125,185 115,704 110,414 104,971 92,971	Roads reporting earnings and traffic statistics	Roads reporting carnings carnings and traffic statistics

¹ Includes elevated railways.

All figures are based on reports of individual railroads for fiscal years ending in the calendar year indicated. The period of time covered is, therefore, not the same for all carriers included. Balance sheet data pertain to the ends of such fiscal years.

Data for 1890 shown in these series do not agree with 1890 data shown for series Q 284 312 because of different sources.

Q 283. Freight service, ton-miles carried, 13 railroads, 1865-1885.

Source: H. V. and H. W. Poor, Manual of Railroads, New York City, 1888, p. XXVIII (reprinted with permission, Standard & Poor Corporation).

The roads represented are 7 eastern roads (Pennsylvania; Pittsburgh, Fort Wayne, and Chicago; New York Central; Lake Shore; Michigan Central; Boston and Albany; New York, Lake Erie and Western) and 6 western roads (Illinois Central; Chicago and Alton; Chicago and Rock Island; Chicago, Burlington and Quincy; Chicago and Northwestern; Chicago, Milwaukee, and St. Paul).

Q 284-312. Railroad mileage, equipment, and passenger traffic and revenue, 1890-1970.

Source: All series, except series Q 293-294, see general note for series Q 264-412. Series Q 293, 1913-1970, and series Q 294, 1911-1956, American Railway Car Institute, New York, Railroad Car Facts, annual issues (copyright); series Q 294, 1957-1970, U.S. Interstate Commerce Commission, Transport Statistics in the United States, part 1, annual issues.

- Q 285, mileage constructed. Miles on which operations were begun during the year. Figures exclude relocated road or road constructed to shorten distance without serving new territory.
- Q 286, mileage abandoned. Miles on which operation was permanently abandoned during the year, the cost of which was written out of the investment accounts or was scheduled to be written out at the end of the year.
- Q 289, track operated, first main track. Equivalent to miles of road operated. Figures exceed those for series Q 287, road owned, in most years because of two or more roads operating on same line under trackage agreements.
- Q 300, average tractive effort. Figures represent the force in pounds exerted by locomotives, measured at the rim of the driving wheels.
- Q 301-303, passenger-train cars. Includes coaches and parlor, sleeping, dining, club, lounge, observation, postal, baggage, express, and other cars, as well as cars serving a combination of purposes.
- Q 311, passenger revenue. Excludes revenue from services such as handling of excess baggage or mail; sleeping and parlor or chair car reservations; dining and buffet service on trains; station, train, and boat privileges; parcel rooms; storage of baggage; or other miscellaneous services and facilities connected with the transportation of passengers. Passenger revenue depends upon the established tariffs (the published schedules of rates and fares) and includes extra fares on limited trains, additional railway fares for the exclusive use of space, mileage and scrip coupons honored, or revenue from the transportation of corpses.
- Q 312, revenue per passenger mile. Represents figures for series Q 311 divided by those for series Q 307.

Q 313-314. Railroad revenue passenger-miles per car-mile and per train-mile, 1890-1970.

Source: U.S. Interstate Commerce Commission, 1890-1965, Revenue Traffic Statistics, December issues; 1966-1970, Transport Economics, June 1970, and unpublished data.

Figures for revenue passenger-miles per car-mile for 1908-1919, and for passenger-miles per train-mile for 1890-1932, were computed by the National Bureau of Economic Research from figures for passenger-miles, car-miles, and train-miles presented in Statistics of Railways in the United States.

Q 315. Passenger train-miles per train-hour, 1936-1970.

Source: U.S. Interstate Commerce Commission, 1936-1957, Passenger Train Performance, December issues; 1958-1968, Annual Report, 1968 and 1969; 1969 and 1970, Transport Economics, June 1970, and unpublished data.

The train-hour figures upon which these figures are based are reckoned from the time a train leaves its original terminal to the time it arrives at its final terminal. Time spent in stopping to take on and discharge traffic and other delays on the road is included.

Q 316-318. Railroad freight revenue ton-miles per loaded car-mile, train-mile, and mile of road, 1890-1970.

Source: See general note for series Q 264-412.

Q 319. Freight train-miles per train-hour, 1920-1970.

Source: U.S. Interstate Commerce Commission, 1920-1955, Freight Train Performance, December issues; 1956-1965, Annual Report, 1967 and 1969; 1966-1970, Transport Economics, June 1970, and unpublished data.

For explanation of train-hour figures, see text for series Q 315.

Q 320. Freight car-miles per car-day, 1921-1970.

Source: U.S. Interstate Commerce Commission. See general note for series Q 264-412; 1956-1962, Annual Report, various issues; 1963-1965, Transport Statistics in the United States, 1967; 1966-1970, Transport Economics, June 1970, and unpublished data.

Q 321-328. Railroad mileage and equipment, 1830-1890.

Source: See source for series Q 274-282.

Equipment data pertain to the ends of fiscal years. See also text for series Q 274-282.

Q 329. Miles of railroad built, 1830-1925.

Source: 1830-1879, U.S. Bureau of the Census, Tenth Census Reports, vol. IV, Report on the Agencies of Transportation in the United States, p. 289. 1893-1925, Railway Age, vol. 104, No. 1, Simmons-Boardman Publishing Corp., New York, January 1, 1938, p. 66 (copyright).

For a more detailed discussion of the problems of estimating miles of railroad built, see E. R. Wicker, "Railroad Investment Before the Civil War," and the "Comment" by George R. Taylor and by Charles J. Kennedy, in *Studies in Income and Wealth*, vol. 24, National Bureau of Economic Research, New York.

The Tenth Census report (pp. 289-293, 300-375) contains materials on history of construction which includes figures on mileage built and existent, by groups of States, for individual companies, annually from 1830 to 1880. Somewhat similar data appear in Bureau of the Census, Report on Transportation Business in the United States at the Eleventh Census: 1890, part 1, pp. 3-5, 54-107.

According to the Bureau of the Census, information was received from every railroad known to exist in 1880. The letter of instructions from the Superintendent of the Census to the railroads said: "In cases...in which the records have been lost, the officers of such companies and roads are requested to obtain...this information in the best form possible. The recollection of officers and employees long in the service of a road may be used...if more reliable data be not accessible."

The Railway Age obtained its figures at annual intervals from individual railroads and from State railroad commissions.

It is not clear just when a mile of road would be reported as built. Construction of some lines extended over several years. Each annual segment may have been reported when finished, or nothing may have been reported until the whole line was completed. The year of physical completion may have differed from the year in which traffic was first carried. In such cases, the mileage may have been assigned to either year.

The Census Bureau figures pertain only to miles in operation in the census year. The figures for any year are, therefore, understatements to the extent that mileage constructed in that year may have been abandoned by June 1, 1880 (the date of the 1880 Census).

The change from year to year in miles operated, series Q 321, or miles owned, series Q 322, is sometimes used as a measure of miles constructed. The annual change in miles operated, however, is also affected by acquisitions of trackage rights, as a result of which the same line may be counted in the operation of two or more railroads. The changes in miles operated and in miles owned are affected by abandonments during the year (regardless of when constructed).

Q 330. Miles of railroad operated by receivers or trustees, 1894-1970.

Source: See general note for series Q 264-412.

Q 331-345. Railroad freight traffic and revenue, 1890-1970.

Source: See general note for series Q 264-412 except series Q 331, 332, and 338, 1964-1970, from U.S. Interstate Commerce Commission, Freight Commodity Statistics of Class I Railroads in the United States, annual issues.

Revenue-tons and ton-miles exclude the movement of a railroad company's materials and supplies on its own lines. A carload is a shipment of 10,000 pounds or more of one commodity from one shipper to one consignee.

Tons originated are tons identified as not having had previous line-haul transportation by other rail carriers; such shipments include import traffic and traffic from outlying possessions of the United States received from water carriers at the port of entry, and finished products from transit points. Ton-miles are computed by multiplying the weight of each shipment by the distance it moves and summing the products.

For definitions of class I, II, and III roads, see general note for series Q 264-412.

- Q 333, products of agriculture. Includes not only raw farm products but simple manufactures such as flour, corn meal, cotton-seed meal, cake, and linters. On the other hand, such products as vegetable oils, sugar and molasses, canned fruits and vegetables, and manufactured tobacco are included in series Q 337, manufactures and miscellaneous.
- Q 335, products of mines. Includes coke as well as coal and other raw minerals.
- Q 336, products of forests. Includes not only raw forest products but lumber, shingles, lath; box, crate, and cooperage materials; veneer and built-up wood.
- Q 343, freight revenue. Includes revenue from the transportation of freight and from transit, stop, diversion, and reconsignment arrangements upon the basis of tariffs. Excludes revenue from such activities as switching of freight-train cars; water transfers of freight, vehicles, and livestock; movement of freight trains at a rate per trainmile or for a lump sum; storage of freight; demurrage; grain elevators; stockyards; or other miscellaneous services and facilities connected with the transportation of freight.

Q 346-355. Railroad property investment, capital, income, and expenses, 1850-1890.

Source: See source for series Q 274-282.

See also text for same series.

Q 356-363. Railroad property investment and capital, 1890-1970.

Source: See general note for series Q 264-412.

- Q 356, investment, book value. Figures represent recorded value, in the accounts of carriers, of land, fixed improvements such as roadbed and track, rolling stock, maintenance machinery, etc., owned by them. Figures include property held under contract for purchase.
- Q 357, depreciation reserve. Figures represent the accumulated accounting allowance for loss in service value not restored by current maintenance. The loss in value is incurred in connection with the consumption or prospective retirement of physical property in the course of service from causes against which carriers are not protected by insurance, which are known to be in current operation, and the effect of which can be forecast with a reasonable approach to accuracy.
- Q 361, funded debt unmatured. Funded debt is debt maturing more than one year from date of issue.
- Q 362, net capitalization. Figures represent railway capital outstanding, series Q 358, minus stocks and debt of railroad companies held by other railroad companies.

Q 364-366. Railroad capital expenditures for additions and betterments, 1921-1970.

Source: Association of American Railroads, 1921-1950, Railroad Transportation; 1951-1970, Yearbook of Railroad Facts, 1971.

Additions comprise: Additional facilities such as equipment (rolling stock), tracks, buildings and other structures; additions to such facilities, such as extensions to tracks, buildings and other structures; additional ties laid in existing tracks; and additional devices applied to facilities such as airbrakes applied to cars not previously thus equipped.

Betterments comprise improvements of existing facilities through the substitution of superior parts for inferior parts retired, such as the substitution of steel-tired wheels for cast wheels under equipment, the application of heavier rail in tracks, the strengthening of bridges by the substitution of heavier members, and the application of superior floors or roofs in buildings.

Q 367-377. Railroad income and expenses, and interest and dividends, 1890-1970.

Source: See general note for series Q 264-412.

- Q 367, operating revenue. Includes revenue from freight, passenger, and other transportation and incidental services.
 - Q 368-370, operating expenses. Includes current depreciation.
- Q 371, tax accruals. Taxes imposed by any form of government whether based on an assessed value of the property, on amounts of stocks and bonds, on earnings, income, dividends declared, payroll, number of passengers, quantity of freight, length of road, rolling stock, or other basis. Tax accruals do not include special assessments for street and other improvements, nor special benefit taxes such as water assessments.
- Q 372, operating income. Figures represent net revenue from railway operations, series Q 367 minus series Q 368, less tax accruals, series Q 371.
- Q 373, net operating income. Figures represent operating income, series Q 372, minus net payable balance of equipment and joint facility rents. The equipment rents deducted at this point are those for equipment leased for less than one year, or interchanged. They are usually on a per day or per mile basis.
- Q 374, net income. Figures represent net operating income, series Q 373, plus other income, minus miscellaneous deductions and fixed and contingent charges. Fixed charges are mainly rent for leased roads and equipment (i.e., equipment leased for one year or more), and interest (except contingent interest).
- Q 377, interest accrued on funded debt. Figures include interest not paid during year on debt in default of interest; they exclude interest on debt owed by the issuing company, or on debt incurred for new lines, extensions, additions or betterments, accrued before such property is completed or comes into service.

Q 378-384. Railroad tax accruals, 1921-1970.

Source: See general note for series Q 264-412.

Other taxes, series Q 384, are largely property taxes levied by State or local governments.

Q 385-387. Railroad highway grade crossings, 1925-1970.

Source: See general note for series Q 264-412.

Specially protected highway grade crossings, series Q 386, include crossings with operated gates, watchmen, or both, during at least part of the day, and those with audible signals, visible signals, or both; they exclude those with fixed signs only.

Q 388–397. Fuel received, ties and rails laid, and purchases by railroads, 1917–1970.

Source: Series Q 388-393, see general note for series Q 264-412. Series Q 394-397, Association of American Railroads, 1923-1964,

Railroad Transportation; 1965-1969, Yearbook of Railroad Facts, annual issues.

Q 388-390, fuel received. Figures include not only fuel for operation of trains but fuel for station, shop, or other use, except that figures for 1964-1970 include only the operation of locomotives and motorcars.

Q 391, new rails laid. Figures include both rails laid in replacement and rails laid in additional tracks, new lines, and extensions, except that figures for 1917–1926 include only rails laid in replacement.

Q 392-393, cross-ties laid. Figures for 1917-1926 include only ties laid in replacement. Of the total ties laid in 1927, 78,340,000 were in replacement. Treated ties are those which have been subjected to some preservative process, e.g., creosoting, before being placed in the track.

Q 398-399. Railroad employees and compensation, 1890-1970.

Source: See general note for series Q 264-412.

An employee is defined as a person in the service of a railroad, subject to its continuing authority to supervise and direct the manner of rendition of his service. Persons such as lawyers engaged to render only specifically defined service for specific cases and not under general or continuing retainer are not classed as employees. For 1890–1914, the number of employees represents the number on the payroll June 30. Thereafter, the nature of the figures included for the smaller (class II and III) roads is not clear in the source. For class I roads they appear to be averages of 4 quarterly counts, 1915–1920; and of 2 quarterly and 6 monthly counts, 1921; beginning 1922, they are averages of 12 monthly counts.

Q 400-409. Railroad accidents and fatalities, 1890-1970.

Source: U.S. Federal Railroad Administration, Accident Bulletin,

annual issues (formerly issued by U.S. Interstate Commerce Commission), and related monthly reports.

Reportable railroad accidents are divided into three groups: (1) Train accidents, (2) train-service accidents, and (3) nontrain accidents. Train accidents are those arising from the operation or movement of trains, locomotives, or cars which result in a reportable death or injury and more than \$750 damage to equipment, track, or roadbed; or a collision, derailment, or other train accident, with more than \$750 damage to equipment, track, or roadbed. Train-service accidents are those arising from the operation or movement of trains, locomotives, or cars which result in a reportable death or injury but not more than \$750 damage to equipment, track, or roadbed. Nontrain accidents are those which do not result from the operation or movement of trains, locomotives, or cars.

Q 410-412. Pullman company operations, 1915-1968.

Source: U.S. Interstate Commerce Commission, Statistics of Railways in the United States and Transport Statistics in the United States, part 2, and, beginning 1963, part 1, The Pullman Company (Sleeping Car Companies), various annual issues; except series Q 411, 1915–1921, U.S. Office of Business Economics, Survey of Current Business, January 1939, p. 18.

Figures for series Q 411 exceed those in series Q 310, parlor and sleeping car passenger-miles, mainly because travel of railroad employees etc. (for which railroad companies receive no revenue) is not included in series Q 310; but if Pullman accommodations are paid for, the travel is included in series Q 411.

The number of Pullman employees, series Q 412, is the number on the payroll at the end of the year. The Pullman Company ceased operation in 1969.

RAIL TRANSPORTATION

Series Q 264-273. Electric Railways—Summary: 1890 to 1937

Series No.	Item	1937 1	1932	1927	1922	1917	1912	1907	1902	1890
264 265 266 267 268 269 270	Number of companies Miles of line operated 3 Miles of all track operated 3 Value of road and equipment \$1,000 Number of employees 4 Number of passenger cars Revenue passengers, including pay-transfer 1,000 Operating revenues 7 \$1,000	2 478 14 214 23,770 4,399,768 152,476 44,864 7,485,290 513,129	566,290	927,774	1,016,719	21,307 32,548 44,835 5,136,442 294,826 79,914 11,304,660 709,825	1,260 30,438 41,065 4,596,563 282,461 76,162 9,545,555 567,512	1,236 25,547 34,382 3,637,669 221,429 70,016 7,441,115 418,188	987 16,645 22,577 2,167 634 140,769 60,290 4,774,212 247,554	789 5,783 8,123 389,357 70,764 32,505 2,023,010 90,617
272 273	Operating expenses 7 \$1,000 Operating ratio percent	406,119 79.1	442,607 78.2	694,460 74.9	727,795	452,595 63.8	332,896 58.7	251,309 60.1	142,313 57.5	62 ,011 68.4

Series Q 274-283. Railroad Passenger and Freight Service: 1865 to 1890

		Passenge	er service				Freigh	t service					Freight	service		Freight	service
Year	Passen- ger revenue	Passen- gers carried	Passen- ger miles	Revenue per passen- ger- mile	Freight revenue	Total revenue- tons carried ¹	Ton- miles carried, all roads	Revenue per ton- mile	Revenue ton-miles per train- mile	Ton- miles carried, 13 rail- roads	Year	Passen- ger revenue service	Freight revenue	Ton- miles carried, 13 rail- roads	Year	Freight revenue	Ton- miles carried, 13 rail- roads
	274	275	276	277	278	279	280	281	282	283		274	278	283		278	283
	Mil. dol.	Mil.	Mil.	Cents	Mil. dol.	Mil.	Mil.	Cents		Bil.		Mil. dol.	Mil. dol.	Bil.		Mil. dol.	Bil.
1890 1889 1888 1887 1886	272 259 251 240 211	520 494 451 428 382	12,522 11,965 11,191 10,570 9,660	2.174 2.169 2.246 2.276 2.194	734 665 639 636 550	691 619 590 552 482	79,193 68,677 65,423 61,561 52,802	0.927 .970 .977 1.034 1.042	163.99 159.91 159.36 156.16 150.99		1880 1879 1878 1877 1876	147 142 124 125 136	467 386 365 347 361	14.48 13.07 10.68 8.75 8.74	1870 1869 1868 1867 1866	(NA) 300	4.92 4.22 3.44 3.03 2.62
1885 1884 1883 1882 1881	200 206 206 188 173	351 334 312 289	9,134 8,779 8,541 7,688	2.199 2.356 2.422 2.447	509 502 539 485 551	437 399 400 360	49,152 44,725 44,065 39,302	1.057 1.124 1.224 1.236	143.59 133.58 125.86 128.81	17.83 16.81 17.09 16.23 16.06	1875 1874 1873 1872 1871	139 140 137 132 108	363 379 389 340 294	7.84 7.73 7.48 6.42 5.57	1865		2.16

NA Not available.

Series Q 284-312. Railroad Mileage, Equipment, and Passenger Traffic and Revenue: 1890 to 1970

[Includes intercorporate duplications. Unless otherwise noted, covers class I, II, and III railroads, except that prior to 1908 includes returns for switching and terminal companies where applicable]

					Mil	eage							Equip	oment 5			
	Number of operat- ing					Track o	perated		Road operated.		delivered estic use		I	ocomotive	es in servi	e	
Year ending—	rail- roads 1	Con- structed	Aban- doned	Road owned 2	Total 3	First main track	Other main tracks	Yard tracks and sidings	passen- ger service 4	Freight train	Passen- ger train 4	Total 6	Steam	Electric ⁷	Diesel	Other	Average tractive effort ⁸ (lb.)
	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
DEC. 31																	
1970 1969 1968 1967 1966	351 361 360 370 375	80 49 63 169 89	1,283 1,166 747 1,039 786	207,005 208,111 209,292	364,915 366,238 368,030	220,107 222,164 222,924 224,039 225,528	28,682 29,564 30,002 30,387 30,906	113,187 113,312 113,604	56,484 59,259 67,827	83,095	302 240 65 146 113	29,122 29,090 29,448 29,874 30,124	(9) (9) (9) 67 76	270 278 307 324 347	28,773 28,711 29,031 29,428 29,644	79 101 110 55 57	65.267
1965 1964 1963 1962 1961	372 380 395 395 397	24 23	963 882 777 1,353 930	212,059 214,387 215,090	372,300 374,522 376,290		31,113 31,535 32,153 32,719 33,853	114,012 115,087 115,720	81,795 84,928 86,302	77,822 69,330 44,960 36,554 31,720	666 399 156 304 214	30,061 30,296 30,506 30,701 30,889	89 93 112 136 210	365 402 438 441 484	29,552 29,745 29,898 30,057 30,123	55 56 58 67 72	63,096 62,311 61,533 61,415 61,969
1960 1959 1958 1957 1956	*407 411 412 415 422	*21 14 50 49 74	*693 1,084 941 1,194 613	217,565 218,399 219,067	385,264 386,978	230,930 231,494 232,177	*34,800 35,746 36,448 37,123 37,908	*116,776 117,236 117,322 117,678 118,251	93,816 100,243 107,131 112,724 115,951	57,047 37,819 42,760 99,590 67,080	251 66 143 232 396	*31,178 31,539 31,616 32,391 32,593	*374 871 1,488 2,608 3,918	*498 517 562 597 616	*30,240 30,097 29,515 29,137 28,001	*66 54 51 49 58	*61,314 61,408 61,312 61,515 68,745

NA Not available.

¹ Excludes data for 22 companies, operating on a part-year basis.

² Includes certain companies in Pennsylvania which maintained separate organizations, though controlled through stock ownership by other companies. For 1912, these companies were treated as merged and not included in the number reported.

³ Includes small mileage of track lying outside United States.

⁴ Number reported as of June 30 for 1890, 1922, 1927, and 1932; for 1902, average for

the year; for 1912, as of Sept. 16. Figures for 1937 represent an average of numbers reported on June 30 and Dec. 31.

§ Includes 334 trolley-bus operators.

§ Includes 29,721,000 trolley-bus passengers.

§ Includes auxiliary operating revenues of \$91,242,000 for 1922 and \$8,905,000 for 1927; auxiliary expenses, \$49,232,000 for 1922 and \$7,822,000 for 1927. Data for operating revenues and operating expenses of auxiliary operations excluded so far as possible for earlier years.

^{172.5} million revenue tons were carried in 1870; 55.1 million in 1861.

Q 284-300

TRANSPORTATION

Series Q 284-312. Railroad Mileage, Equipment, and Passenger Traffic and Revenue: 1890 to 1970—Con.

					Mile	eage							Equip	ment 5	-	•	
•	Number of operat- ing					Track o	perated .		Road operated,		delivered estic use		L	ocomotive	s in servic	e	
Year ending—	rail- roads ¹	Con- structed	Aban- doned	Road owned 2	Total 3	First main track	Other main tracks	Yard tracks and sidings	passen- ger service 4	Freight train	Passen- ger train 4	Total 6	Steam	Electric ⁷	Diesel	Other	Average tractive effort ⁸ (lb.)
	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
DEC. 31 —Con.																	
1955 1954 1953 1952 1951	441 443 448 454 462	105 49 50 76 71	502 694 666 965 456	220,670 221,098 221,758 222,508 223,427	390,965 392,580 393,736 394,631 395,831	234,342 234,959 235,545 236,476	38,825 39,520 39,794 39,977 40,157	118,718	124,572 128,943	35,696 81,021	349 386 117	33,533 35,033 37,251 39,697 42,473	6,266 9,041 12,274 16,737 22,590	689 669 713 790 817	26,563 25,256 24,209 22,118 19,014	65 67 55 52	65,005 63,152 61,339 59,966 58,476
1950 1949 1948 1947 1946	471 481 485 502 513	33 100 71 79 20	755 620 529 709 381	223,779 224,511 225,149 225,806 226,438	396,380 397,232 397,203 397,355 398,037	236,857 237,564 237,756 238,209 239,069	40,456 40,639 40,845 40,954 41,015	119,067 119,029 118,602 118,192 117,953	146,468 156,821 160,140 161,115 161,407	43,991 92,562 112,640 68,522 41,955	891 861	42,951 43,272 44,474 44,344 45,511	26,680 30,344 34,581 36,942 39,592	827 856 867 864 867	15,396 12,025 8,981 6,495 5,008	48 47 45 43 44	57,075 56,333 55,170 54,506 53,735
1945 1944 1943 1942 1941	517 524 534 543 559	40 46 34 38 22	551 705 1,149 2,886 1,695	226,696 227,335 227,999 229,174 231,971	398,054 398,437 398,730 399,627 403,625	239,438 240,215 240,745 241,737 244,263	41,106 41,178 41,093 41,137 41,166	116,892 116,753	162,290 162,429 163,658	43,864 43,003 31,836 62,873 80,623	685 418	46,253 46,305 45,406 44,671 44,375	41,018 41,921 41,983 41,755 41,911	885 902 907 892 895	4,301 3,432 2,476 1,978 1,517	49 50 40 46 52	58,217 52,822 52,451 51,811 51,217
1940 1939 1938 1937 1936	574 600 611 631 641	19 1 35 149 38	1,284 1,697 1,621 1,642 1,577	233,670 235,064 236,842 238,539 240,104	408,350 411,324 414,572 416,381	246,922 248,474 250,582 251,542	41,373 41,445 41,589 41,579 41,731	119,983 121,261 122,411 123,108	172,031 173,616 175,543 178,491	25,132 16,470	484 629	44,333 45,172 46,544 47,555 48,009	42,410 43,604 45,210 46,342 46,923	900 879 882 872 858	967 639 403 293 175	56 50 49 48 53	50,395 49,803 49,412 48,972
1985 1984 1983 1932 1931	661 678 700 709 749	25 33 122 321 502	1,974 1,784 2,016 1,370 779	241,822 243,857 245,703 247,595 248,829	419,228 422,401 425,664 428,402 429,823		41,916 42,109 42,397 42,556 42,780	124,382 125,410 126,526 126,977 127,044		7,515 25,176 2,163 3,252 13,203	275 9 77	49,541 51,423 54,228 56,732 58,652	48,477 50,465 53,302 55,831 57,820	884 805 789 764 709	130 104 85 80 80		47,712 46,916 46,299 45,764
1930 1929 1928 1927 1926	775 809 849 880 929	460 671 946 819 881	954 782 710 797 892	249,052 249,433 249,309 249,131 249,138	421,341	258,815	41,686	123,027		74,920 81,590 46,060 63,370 88,862	2,455 1,571 2,087 2,814	60,189 61,257 63,311 65,348 66,847	59,406 60,572 62,642 64,843 66,381	663 621 617 467 435	77 25 (9) (9) 11	43 39 52 38 20	45,225 44,801 43,838 42,798 41,886
1925 1924 1923 1922 1921	947 995 1,023 1,041 1,058	595 635 441 818 331	753 617 537 1,188 687		417,954 415,028 412,993 409,359 407,531			116,874 116,212 114,046 111,555		105,735 113,711 175,748 66,289 40,292	1 977.	68,098 69,486 69,414 68,518 69,122	67,713 69,114 69,005 68,121 68,733	379 372 409 397 389	1	5	40,666 39,891 39,177 37,441 36,935
1920 1919 1918 1917 1916	1,085 1,111 1,131 1,168 1,216			252,845 253,152 253,529 253,626 254,037	406,580 403,891 402,343 400,353 397,014	259,941 258,525 258,507 259,705 259,705	36,894 36,730 36,228 35,066 34,325	109,744 108,637 107,608 105,582 102,984		\$0,955 94,981 67,063 115,705 111,516	126 750 1,684	68,942 68,977 67,936 66,070 65,595	68,554 68,592 67,563 65,699 65,253	388 385 373 371 342			36,365 35,789 34,995 33,932 32,840
JUNE 30 1916	1.297			254,251 253,789 252,105 249,777 246,777 243,979	379.508	257,569 256,547	30.827	99,910 98,285 95,211		10 58,226 10 97,626 10176,049	10 1,513 10 3,589 10 2,654 10 2,509 10 3,362	65,314 66,502 67,012 65,597 63,463 62,463	-	293 273			32,380 31,501 31,006 30,258 29,049 28,291
1910 1909 1908 1907 1906	1,306 1,316 1,323 1,564 1,491			240,293 236,834 233,468 229,951 224,363	333,646 327,975	230,494 227,455	22,771					60,019 58,219 57,698 55,388 51,672					27,282 26,601 26,356 25,781 24,741
1905 1904 1903 1902 1901	1,314 1,281 1,219			218,101 213,904 207,977 202,472 197,237	306,797 297,073 283,822 274,196 265,352	205,314 200,155	19,881 18,338 16,948 15,820 14,876	69,942 66,492 61,560 58,221 54,915				41,225					
1900 1899 1898 1897 1896	1,192 1,158			193,346 189,295 186,396 184,428 182,777	250,143 245,334 242,013 289,140	187,535 184,648 183,284 181,983		44,718				36,234 35,986 35,950					
1895	1,034 1,002 991			180,657 178,709 176,461 171,564 168,403 163,597	211.051	177,746 175,691 169,780 162,397 161,275 156,404	10.846	30,144				04.100	-				

RAIL TRANSPORTATION

Series Q 284-312. Railroad Mileage, Equipment, and Passenger Traffic and Revenue: 1890 to 1970—Con.

		Eq	uipment 5—C	Con.				Passeng	ger traffic and	revenue		
İ	Passenge	er-train cars i	n service	Freight-in ser	train cars			Passeng	ger-miles		Rev	enue
Year ending—	Railroad	Class I : and Pullr	railroads nan Co. 11		Average	Passengers		Commu-		Parlor and		Per passenger-
,	only	Total	Air condi- tioned	Number	capacity 8		Total	tation 4	Coach 4	sleeping car ⁴	Total	mile
!	301	302	303	304	305	306	307	308	309	310	311	312
DEC. 31					Tons	1,000	Mil.	Mil.	Mil.	Mil.	\$1,000	Cents
1970 1969 1968 1967 1966	12 630	11,177 14,619 15,384 18,610 20,016	7,159 7,589	1,453,708 1,464,194 1,484,571 1,510,963 1,523,741	67.1 65.8 64.3 63.4 61.4	289,469 301,678 301,372 304,028 307,530	10,786 12,214 13,164 15,264 17,162	4,592 4,546 4,383 4,281 4,193	5,414 6,601 7,559 9,329 10,799	765 1,021 1,178 1,592 2,104	423,191 441,503 446,704 488,549 547,139	3.924 3.615 3.893 3.201 3.188
1965 1964 1963 1962 1961	20,022 21,510 22,616 23,430 24,433	21,327 23,057 23,568 24,634 25,899	8,079 8,980 9,950 10,423 11,259	1,515,169 1,517,564 1,542,456 1,581,213 1,635,342	59.8 58.2 56.8 56.3 55.7	305,822 314,386 310,999 313,084 318,359	17,454 18,271 18,519 19,926 20,308	4,128 4,199 4,101 4,046 4,132	11,069 11,632 11,785 12,757 12,893	2,191 2,416 2,611 3,102 3,262	555,986 579,287 589,521 620,290 625,874	3.185 3.170 3.183 3.113 3.082
1960 1959 1958 1958 1957 1956	27,419 28,999 29,564	*27,414 29,160 (NA) 32,231 (NA)	*11,787 12,993 13,675 14,323 14,551	*1,690,396 1,708,116 1,755,775 1,777,557 1,738,631	*55.4 55.0 54.8 54.5 54.0	*327,172 353,647 381,623 412,625 429,994	*21,284 22,075 23,295 25,914 28,216	4,197 4,549 4,776 4,901 4,841	13,422 13,704 14,225 15,803 17,074	3,643 8,798 4,249 5,185 6,275	*641,496 652,316 676,316 736,408 757,625	*3.014 2.955 2.903 2.842 2.685
1955 1954 1953 1952 1951	33,035 34,106 34,942 36,326	35,455 37,768 39,532 41,011 42,406	14,784 15,793 16,231 16,320 16,502	1,723,747 1,761,386 1,801,874 1,783,352 1,777,878	53.7 53.7 53.5 53.2 52.9	433,308 440,770 458,252 470,979 485,468	28,548 29,310 31,679 34,033 34,640	4,776 4,753 4,757 4,755 4,866	17,314 17,687 18,955 19,758 19,524	6,441 6,850 7,950 9,504 10,226	743,688 767,987 842,663 906,838 901,019	2.605 2.620 2.660 2.665 2.601
1950 1949 1948 1947 1946	37,359 38,006 39,406 39,057 38,697	43,372 43,578 44,447 44,841 45,637	16,747 16,008 15,249 14,628 13,967	1,745,778 1,778,811 1,785,067 1,759,758 1,768,400	52.6 52.4 51.9 51.5 51.3	488,019 556,741 645,535 706,551 794,824	31,790 35,133 41,224 45,972 64,754	4,990 5,478 5,855 6,011 5,857	17,443 20,273 24,315 27,660 39,089	9,338 9,349 11,015 12,261 19,801	814,741 862,139 965,630 965,005 1,261,416	2.563 2.454 2.342 2.099 1.948
1945 1944 1943 1942 1941	38,633 38,217 38,331 38,446 38,334	46,863 46,588 45,764	12,685 13,175 13,165	1,787,073 1,797,012 1,784,472 1,773,735 1,732,673	51.1 50.8 50.7 50.5 50.3	897,384 915,817 887,674 672,420 488,668	91,826 95,663 87,925 53,747 29,406	5,418 5,344 5,261 4,761 4,088	59,415 63,288 57,909 30,910 16,106	26,912 26,944 24,675 17,853 9,166	1,719,316 1,793,322 1,655,814 1,030,486 515,851	1.872 1.875 1.883 1.917 1.754
1940 1939 1938 1937 1936	38,308 38,977 39,931 40,949 41,390			1,684,171 1,680,519 1,731,096 1,776,428 1,790,043	50.0 49.7 49.4 49.2 48.8	456,088 454,032 454,508 499,688 492,493	23,816 22,713 21,657 24,695 22,460	3,997 4,012 4,032 4,116 4,188	12,485 11,118 10,247 12,417	7,288 7,527 7,354 8,126	417,955 417,716 406,406 443,532 413,189	1.755 1.839 1.877 1.796 1.840
1935 1934 1933 1933 1932	44,884 47,677 50,598			1,867,381 1,973,247 2,072,632 2,184,690 2,245,904	48.3 48.0 47.5 47.0 47.0	448,059 452,176 434,848 480,718 599,227	18,509 18,069 16,368 16,997 21,933	4,118 4,163 4,308 4,986 6,018			358,423 346,870 329,816 377,511 551,726	1.936 1.920 2.015 2.221 2.515
1930 1929 1928 1927 1926	53,584 53,838 54,800 55,729 56,855			2,322,267 2,323,683 2,346,751 2,378,800 2,403,967	46.9 46.3 45.8 45.5 45.1	707,987 786,432 798,476 840,030 874,589	26,876 31,165 31,718 33,798 35,673	6,669 6,898 6,626 6,650 6,605			730,766 875,929 905,271 980,528 1,049,210	2.719 2.811 2.854 2.901 2.941
1925 1924 1923 1922 1921	57 159			2,414,083 2,411,627 2,379,131 2,352,483 2,378,510	44.8 44.3 43.8 43.1 42.5	901,963 950,459 1,008,538 989,509 1,061,131	36,167 36,368 38,294 35,811 37,706	6,592 6,407 6,401 6,132			1,064,806 1,085,672 1,158,925 1,087,516 1,166,252	2.944 2.985 3.026 3.037 3.093
1920 1919 1918 1917 1916	56,290 56,611 55,989			2,388,424 2,426,889 2,397,943 2,379,472 2,329,475	42.4 41.9 41.6 41.5 40.9	1,269,918 1,211,022 1,122,963 1,109,943 1,048,987	47,370 46,838 43,212 40,100 35,220			l	1,304,815 1,193,431 1,046,166 840,910 722,359	2.755 2.548 2.421 2.097 2.051

Series Q 284-312. Railroad Mileage, Equipment, and Passenger Traffic and Revenue: 1890 to 1970—Con

	Equ	ipment ्—	Con.	Passen	ger traffic a	nd revenue	—Con.		Equipmen	t 5—Con.	Passen	ger traffic ar	nd revenue	-Con.
Year	Passen- ger-train	Freigh cars in s	t-train ervice 12		Total	Reve	enue	Year	Passenger- train	Freight-		Total	Reve	enue
ending	cars in service, railroads only	Number	Average capacity 8	Passen- gers	pas- senger- miles	Total	Per passen- ger-mile	endin g —	cars in service, railroads only	train cars in service ¹²	Passen- gers	pas- senger- miles	Total	Per passen- ger-mile
	301	304	305	306	307	311	312		301	304	306	307	311	312
			Tons	1,000	Mil.	\$1,000	Cents				1,000	Mil.	\$1,000	Cents
JUNE 30								JUNE 30 —Con.						
1916 1915 1914 1913	54,774 55,810 54,492 52,717	2,343,378 2,341,567 2,349,734 2,298,478	40.5 39.7 39.1	1,015,338 985,676 1,063,249 1,043,603	32,475 35,357	689,627 646,475 703,484 13 695,988	1.991 1.990	1902 1901	36,987 35,969	1,546,101 1,464,328	649,879 607,278	19,690 17,854	392,963 351,356	1.986 2.01
1912 1911	51,583 49,906	2,229,163 2,208,997	37.4 36.9	1,004,081 997,410	33,132 33,202	660,873 657,638	1.987 1.974	1900 1899 1898	34,713 38,850 33,595	1,295,510 1,248,826	501.067	16,038 14,591 13,380	323,716 291,113 266,970	2.000 1.970 1,970 2.020
1910 1909 1908	45,664 45,292	2,148,478 2,086,835 2,100,784	35.3 34.9	890.010	29,109 29,083	628,992 563,609 566,833	1.928 1.937	1897 1896	33,626 33,003	1,221,887	511,778	12,257 13,049	251,136 266,563	2.019
1907 1906	43,973 42,262	1,991,557 1,837,914	33.8 32.2	797,946	25,167	510,033	2.003	1893	33,112 33,018 31,384	1,205,169 1,013,307	540,688 593,561	12,188 14,289 14,229	252,246 285,350 301,492	2.040 1.980 2.100
1905 1904 1903	39,752	1,731,409 1,692,194 1,653,782	30.1	715,420	21,923	444 327	2.006	1892 1891 1890	28,876 27,949 26,820	966,998 947,300	560,958 531,184 492,431	13,363 12,844 11,848	286,806 281,179	2.120 2.14 2.16

structure capable of independent propulsion, but not necessarily equipped with an independent control.)

7 For 1915–1922, identified as "other than steam," but all or almost all of the locomotives must be electric.

8 For 1916–1956, represents steam locomotives and freight cars of class I railroads excluding switching and terminal companies; for 1957–1967, includes all class I locomotives excluding switching and terminal companies.

9 Included with "Other," 10 Calendar-year data.

11 Beginning 1969, excludes Pullman Co.

12 Excludes caboose cars.

13 Class I and II railroads.

Series Q 313-320. Railroad Passenger and Freight Operations: 1890 to 1970

[Tons are of 2,000 pounds. Class I, II, and III railroads except as follows: Series Q 313, class I beginning 1911; series Q 314, class I beginning 1933; and series Q 315, Q 319, Q 320, class I for all years]

	Pas	senger ser	vice		Frei	ght service	3			Pas	senger se	rvice		Fr	eight serv	ice	
Year	Revenue ger-mile	passen- es per—	Train- miles	Reven	ue ton-mile	s per—	Train- miles	Car- miles	Year		e passen- es per—	Train- miles	Revenu	e ton-mile	es per—	Train- miles	Car- miles
ending—	Car- mile	Train- mile	per train- hour	Loaded car- mile 1	Train- mile	Mile of road	per train- hour	per car- day	ending-	Car- mile	Train- mile	per train- hour	Loaded car- mile 1	Train- mile	Mile of road	per train- hour	per car- day
	313	314	315	316	317	318	319	320		313	314	315	316	317	318	319	320
DEC. 31									DEC. 31 —Con.								
1970 1969 1968 1967 1966	25.8 24.7 22.4 20.7 20.2	116.2 113.6 107.0 101.5 104.1	40.1 41.0 41.0 41.7 41.3	44.32 42.75 41.77 41.24 40.34	1,754.54 1,714.88 1,693.38	3,468,168 3,456,667 3,385,901 3,237,648 3,312,186	20.1 20.4 20.3	51.8 52.6 51.3 49.1 50.6	1940 1939 1938	14.0 13.5 13.1 14.0 13.6	60.3 57.6 54.5 59.0 55.4	35.4 34.7 34.5	25.40 24.59 23.80 24.68 24.32	764.30 727.45 676.57 708.35	1,525,579 1,355,052 1,171,637 1,446,921 1,353,406	16.7 16.7 16.6 16.1 15.8	35.6 32.3 28.5 32.9 30.7
1965 1964 1963 1962 1961	19.5 20.3 19.6 20.0 19.8	100.9 99.4 97.3 102.6 101.5	41.3 41.4 40.9 40.9 40.9	37.63 36.27 34.87	1,537,72	2,917,502 2,750,078 2,612,129	20.1 20.2 20.1 20.0 19.9	49.0 47.2 44.6 42.8 40.6	1935 1934 1933 1932	11.2 10.9 10.2 9.8	47.5 46.7		23.49 23.19 23.26 22.56	646.17 623.62 619.13 585.49	1,119,290 1,058,609 972,262 908,296	16.0 15.9 15.7 15.5	25.8 24.2 21.3 19.8
1960 1959 1958 1957 1956	19.3 18.9 18.6 18.1 18.1	100.9 97.6 94.0 93.9 96.9	40.7 40.3 40.2 40.2 40.0	32.32 32.10 32.42	1,374.99 1,362.05	*2,496,638 2,505,800 2,394,040 2,676,573 2,789,340	19.5 19.2 18.8	40.9 41.2 39.6 43.7 45.0		10.5 11.8 12.5 12.9 18.5 14.2	48.9 54.4 55.1 57.9		23.44 24.28 24.52 24.31 24.60 24.96	699.27 713.03 705.86 689.68	1,196,960 1,481,199 1,727,786 1,677,089 1,668,800	14.8 13.8 13.2 12.9 12.3	28.7 32.3
1955 1954 1953 1952 1951	17.8 17.4 17.7 18.1 18.1	95.2 92.0 94.8 98.4 97.2	39.8 39.5 39.1 38.3 37.7	30.27 30.66 31.02	1,296.86 1,216.54 1,219.03 1,210.90 1,211.06	2,356,646 2,592,188 2,622,463	18.2 17.6		1924 1923	14.8 15.3 16.3 15.9 16.4	61.5 62.1 65.9 64.6		24.55 24.47 25.18 24.31 24.60	662.53 634.43 632.32 599.12	1,732,295 1,613,862 1,518,556 1,615,741 1,330,460 1,199,328	11.9 11.5 10.9 11.1 11.5	28.5 26.8 27.8 23.5
1950 1949 1948 1947 1946	17.0 18.0 19.4 21.1 24.7	88.5 92.0 100.8 110.2 143.7	36.7	29.48 30.90 30.61	1,044.83	2,496,927 2,229,430 2,695,708 2,752,915 2,488,499	16.8 16.9 16.2 16.0 16.0	40.3 45.1 46.9	1920 1919 1918	19.8 20.5 19.9 17.2 15.5	82.4 84.7 79.4 67.6		26.71 25.44 26.96 24.75 22.83	639.03 622.51 620.68 588.29	1,597,133 1,423,390 1,582,796 1,538,211 1,409,957	10.3	
1945 1944 1943 1942 1941	31.7 23.7	188.6 124.9	34.7 35.7	30.62 31.36 29.76	1,045.67 1,027.64 947.87	2,852,615 3,084,195 3,032,199 2,638,067 1,950,166	15.7 15.4 15.8	50.6 49.7 47.4		10.0	55.2		22.00	502.20	1,200,000		

^{*} Denotes first year for which figures include Alaska and Hawaii.

1 Includes circular and unofficial.

2 First track. Includes lessors, proprietary, unofficial and, through 1963, circular companies.

3 For railroads reporting track by class. Excludes circular and unofficial, figures for which cover road, first track only.

4 Class I railroads.

5 Includes switching and terminal companies.

6 For 1890-1927, number of locomotives; for 1928-1970, number of units, except for steam locomotives. (A unit is the least number of wheel bases together with super-

RAIL TRANSPORTATION

Series Q 313-320. Railroad Passenger and Freight Operations: 1890 to 1970—Con. [Tons are of 2,000 pounds]

	Passenger ser passenger-m		Freight se	ervice, revenue ton-	-miles per		Passenger service, revenue	Freight servi- ton-miles	
Year ending—	Car-mile	Train-mile	Loaded car-mile '	Train-mile	Mile of road	Year ending—	passenger- miles per train-mile	Train-mile	Mile of road
	313	314	316	317	318		314	317	318
JUNE 30 1916	15.3 15.0 15.4 16.4 15.1 15.6 15.7 15.7	58.2 56.0 58.4 58.5 56.5 57.9 58.9 57.5 57.5 54.5 52.5	22.39 21.14 21.09 21.12 20.18 19.74 19.84 19.62 19.62 19.68 18.92	536 .67 476 .13 446 .96 2 445 .43 406 .76 383 .10 380 .38 362 .57 351 .80 357 .35 344 .39	1,325,089 1,075,962 1,125,084 1,190,397 1,078,580 1,053,566 1,071,086 963,986 974,654 1,062,119 982,401	JUNE 30 —Con. 1900	44.2 41.2 39.1 36.6 39.2 38.3 43.7 42.4 42.0 41.7	270.86 248.52 226.45 204.62 198.81 189.69 179.80 183.97 181.89	735,35 659,56 617,81 519,07 523,83 479,48 457,25 551,28 543,38 502,70
904		51.7 49.8 49.2 48.5 45.1	18.14 17.72 17.60 16.92 16.55	322 .26 307 .76 310 .54 296 .47 281 .26	861,396 829,476 855,442 793,351 760,414	1890	41.4	175.12	487,2

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹This average was obtained by dividing the revenue ton-miles by the total loaded car-miles, the latter item including some cars loaded with nonrevenue freight. The method is necessary to preserve comparability with figures for the earlier years; they

differ slightly from the average "net tons per loaded car" shown in the regular monthly statements, Freight and Passenger Service Operating Statistics, based on revenue and nonrevenue ton-miles and car-miles.

2 Class I and II railroads.

Series Q 321-328. Railroad Mileage and Equipment: 1830 to 1890

		Mileage				Equipment ²						
	Road	Road	All	Loco-		Reven	ue cars	-		Miles of road operated		Miles of road operated
Year	operated (Dec. 31)	owned 1	track (Dec. 31)	motives	Total	Passenger	Freight	Baggage, mail, express	Year	(Dec. 31)	Year	(Dec. 31)
	321	322	323	324	325	326	327	328		321		321
				1,000	1,000	1,000	1,000	1,000				
1890 1889 1888 1887 1886	161,276 156,114 149,214	163,359 159,934 154,222 147,953 133,565	208,152 202,088 191,876 184,935 167,952	31.8 30.6 29.1 27.3 26.1	1,091 1,081 1,032 977 871	21.7 21.5 20.2 19.3 18.4	1,062 1,051 1,005 951 846	7.8 7.1 6.8 6.6 6.3	1870 1869 1868 1867 1866	52,922 46,844 42,229 39,050 36,801	1850 1849 1848 1847 1846	9,021 7,365 5,996 5,598 4,930
1885 1884 1883 1882 1881	125,345 121,422 114.677	127,689 125,119 120,519 114,428 103,530	160,506 156,414 149,101 140,878 130,455	25.7 24.4 28.4 21.9 19.9	828 821 801 751 667	16.5 16.6 16.2 14.9 13.9	806 798 779 730 648	6.0 5.9 5.8 5.6 5.0	1865 1864 1863 1862 1861	35,085 33,908 33,170 32,120 31,286	1845 1844 1843 1842 1841	4,633 4,377 4,185 4,026 3,535
1880	86,556 81,747 79,082	92,147 84,393 80,832 79,208 76,305	115,647 104,756 103,649 97,308 94,665	17.9 17.1 16.4 15.9 15.6	557 497 439 408 340	12.8 12.0 11.7 12.1 3 14.6	539 480 423 392 385	4.8 4.5 4.4 8.9	1860 1859 1858 1857 1856	30,626 28,789 26,968 24,503 22,076	1840 1839 1838 1837 1836	2,818 2,302 1,918 1,497 1,278
1875	72,385 70,268 66,171	74,096 72,628 70,651 57,328 51,455							1855	18,374 16,720 15,360 12,908 10,982	1835 1834 1833 1832 1831 1830	1,098 633 380 229 95

¹ Prior to 1882, includes elevated railways.
² Prior to 1881, includes elevated railways.

³ Includes baggage, mail, and express.

Series Q 329. Miles of Railroad Built: 1830 to 1925

Year	Miles	Year	Miles	Year	Miles	Year	Miles	Year	Miles	Year	Miles	Year	Miles	Year	Miles
	329		329		329		329		329		329		329		329
1925 1924 1923 1922 1921 1920 1919 1918 1918	644 579 427 824 475 314 686 721 979 1,098	1915	988 1,532 8,071 2,997 3,066 4,122 3,748 3,214 5,212 5,628	1905	4,388 3,832 5,652 6,026 5,368 4,894 4,569 3,265 2,109 1,692 1,420	1894 1893 1879 1878 1877 1876 1875 1874 1873 1872	1,760 3,024 5,006 2,428 2,280 2,575 1,606 2,584 5,217 7,439	1871 1870 1869 1868 1866 1865 1864 1863 1862	6,660 5,658 4,103 2,468 2,541 1,404 819 947 574 574 720 1,016	1860	1,500 1,707 1,966 2,077 1,471 2,458 3,442 2,170 2,288 1,274	1850 1849 1848 1847 1846 1845 1844 1842 1841	1,261 1,048 1,056 263 333 277 180 288 505 606	1840	491 886 453 848 280 138 214 116 191 99 40

Series Q 330. Miles of Railroad Operated by Receivers or Trustees: 1894 to 1970

[As of end of year. Class I, II, and III railroads]

Year	Miles	Year	Miles	Year	Miles	Year	Miles	Year	Miles	Year	Miles
ending—	330	ending—	330	ending—	330	ending—	330	ending	330	ending—	330
DEC. 31	_	DEC. 31— Con.		DEC. 31 Con.		DEC. 31— Con.		JUNE 30		JUNE 30 Con.	1
1970	23, 190 649 650 2, 476 1, 612 1, 690 1, 732 1, 748 2, 113 2, 365 1, 259 1, 097 1, 040 1, 022 1, 594	1955 1954 1958 1952 1951 1950 1949 1948 1947 1946 1945 1944 1945 1944 1943 1942 1941	11,685 11,608 12,054 11,942 12,212 12,223 12,679 13,283 22,750 34,389 39,714 50,497 64,758 66,904 69,859	1940 1939 1938 1937 1936 1935 1935 1932 1932 1930 1929 1928	75,270 77,013 76,938 70,884 69,712 68,345 42,168 41,698 22,545 12,970 9,486 5,703 5,256	1927 1926 1925 1924 1923 1923 1922 1921 1920 1919 1918 1918	16,752 17,632 18,687 8,105 12,623 15,259 13,512 16,290 16,590 19,208 17,376 34,804	1916 1915 1914 1913 1912 1911 1910 1909 1908 1908 1907 1906	37,358 30,223 18,608 16,286 9,786 4,593 5,257 10,530 9,529 3,926 3,971	1905 1904 1903 1902 1901 1900 1899 1898 1897 1896 1895 1894	796 1,323 1,185 1,475 2,497 4,178 9,853 12,745 18,865 37,856 40,819

^{*} Denotes first year for which figures include Alaska and Hawaii.

Series Q 331-345. Railroad Freight Traffic and Revenue: 1890 to 1970

[In tons of 2,000 pounds]

]	Revenue fre	eight origin	ated (class	I railroads)			Freight a	nd revenue	(class I, II	, and III ra	ailroads)	
				In car	loads			Less	Revenue			Deprecia-		Revenue	
Year ending	All tonnage	Total	Products of agricul- ture	Animals and products	Prod- ucts of mines	Prod- ucts of forests	Manu- factures and misc. 1	than car- load	tons orig- inated	Ton- miles	Haul per ton ²	tion and retire- ments	Total	Per ton ²	Per ton- mile
	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345
	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	Mil.	Mil.	Miles	\$1,000	Mil. dol.	Dol.	Cents
DEC. 31															
1970 1969 1968 1967 1966	1,473,457 1,431,308 1,407,628	1,484,110 1,472,620 1,430,441 1,406,668 1,447,852						809 837 867 960 1,049	1,515 1,498	771,012 773,830 750,468 727,075 746,699	495.37	788,837 775,356 765,768	11,124 10,538 9,942 9,329 9,487	7.08 6.77 6.56 6.23 6.15	1.443 1.362 1.325 1.283 1.271
1965 1964 1963 1962 1961	1,387,423 1,354,612 1,285,061 1,233,597 1,193,740	1,3f3,117 1,283,382 1,231,415	160,589 155,301	9,452	662,461 634,747 615,646	78,105	372,635 353,809 337,424	1,333 1,496 1,679 2,183 2,586	1,479 1,420 1,347 1,294 1,253	705,705 662,089 625,170 595,774 566,295	477.15 466.17 463.97 460.57 452.00	685,785 676,584 660,586	9,037 8,575 8,271 8,115 7,859	6.11 6.04 6.14 6.27 6.27	1.281 1.295 1.323 1.362 1.388
1960 1959 1958 1957 1956	1,240,789 1,232,201 1,190,353 1,380,327 1,447,422	1,185,951 1.374.884	146,746 137,618	9,994 9,895 11,074	632,870 628,911 769,675	80,397 73,287 77,497	349,323 359,485 327,112 379,020 405,367	3,213 3,923 4,402 5,443 6,485	$1,247 \\ 1.449$	*575,360 578,637 554,534 621,907 651,188	*442.14 447.66 444.55 429.20 428.08	625,888 618,062	*8,152 8,442 8,193 9,064 9,089	*6.26 6.53 6.57 6.26 5.97	*1.417 1.459 1.477 1.457 1.396
1955 1954 1953 1952 1951	1,396,339 1,223,969 1,384,301 1,382,604 1,477,402	1,389,346 1,217,005 1,376,046 1,378,294 1,467,023	133,789 131,733 131,137 138,415 140,811	13,768	754,292 752,699	75,650 82,107 83,480	394,742 384,097	6,993 6,964 8,255 9,310 10,379	1,447	626,893 552,197 608,954 617,942 649,831	429.75 431.65 420.66 426.93 419.99	547,267 534,457	8,665 7,915 9,078 8,915 8,758	5.94 6.19 6.27 6.16 5.66	1,382 1,433 1,491 1,443 1,848

Series Q 331-345. Railroad Freight Traffic and Revenue: 1890 to 1970—Con. [In tons of 2,000 pounds]

		R	evenue frei	ght origina	ted (class I	railroads)				Freight an	d revenue	(class I, II,	and III ra	ilroads)	
				In ca	rloads			Less	Revenue-			Deprecia-		Revenue	
Year ending—	All tonnage	Total	Products of agricul- ture	Animals and products	Prod- ucts of mines	Prod- ucts of forests	Manu- factures and misc. 1	than car- load	tons orig- inated	Ton- miles	Haul per ton ²	tion and retire- ments	Total	Per ton 2	Per ton- mile
	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345
DEC. 31— Con.	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	Mil.	Mil.	Miles	\$1,000	Mil. dol.	Dol.	Cents
1950 1949 1948 1947 1946	1,354,196 1,226,503 1,506,878 1,537,546 1,366,617	1,514,985	145.176	15,284 16,865	746,808 653,759 845,640 847,807 717,806	69,257 86,104 87,027	374,144 335,228 394,827 402,267 368,079	10,888 12,592 18,266 22,561 24,387	1,421 1,284 1,580 1,613 1,432	591,550 529,111 641,104 657,878 594,943	416.32 412.02 405.64 407.82 415.48	466,589 441,658 409,310 385,763 365,902	7,934 7,151 8,090 7,141 5,866	5.58 5.57 5.12 4.43 4.10	1.341 1.352 1.262 1.085 .986
1945 1944 1943 1942 1941	1,424,918 1,491,491 1,481,225 1,421,187 1,227,650		145,685 148,971 117,318 100,173		785,265 797,163 804,577 684,433	80,899 84,570 71,540		20,125 18,911 17,575 18,091	1,565 1,557 1,498 1,296	684,148 740,586 730,132 640,992 477,576		540,461 465,525 338,181 233,340		4.43 4.53 4.41 4.02 3.48	.944
1940 1939 1938 1937 1936		942,538	II			l	245,037		1,075	375,369 335,375 291,866 362,815 341,182		201,825 197,035 193,502	3,428 3,857	3.35 3.45 3.54 3.19 3.82	.955 .988 .994 .945 .984
1935 1934 1933 1932 1931	698,948 646,223 894,186	684,592 630,989 871,412	79,305 81,702 80,917 97,487	15,125 20,363 17,651 18,055 21,632	436,380 395,065 362,226	42,483 35,650 33,165 26,109 43,024	157,009 143,682 207,366	15,234 22,774	802 733 679 945	283,637 270,292 250,651 235,309 311,073		192,387 199,917 209,111 221,611	8,802	3.40 3.33 3.45 3.66 3.50	.998 .989 1.009 1.056 1.062
1930 1929 1928 1927 1926	1,153,197 1,339,091 1,285,943 1,281,611 1,336,142	1,123,530 1,303,048 1,248,989 1,243,171 1,296,651	II.	26,244	737,879 696,583 713,402 757,703	96,737 99,351 104,851	296,066	36 043	1,220 1,419 1,371 1,373 1,440	385,815 450,189 436,087 432,014 447,444	316.21 317.17 318.00 314.75 310.81	241,719 239,184	4,145 4,899 4,772 4,729 4,906	3.40 3.45 3.48 3.45 3.41	1.074 1.088 1.094 1.095 1.096
1925 1924 1923 1922 1921	1,187,296 1,279,080 1,023,745 940,183	1,146,747 1,234,692 980,516 898,191	116,587 109,318 111,787 114,069		637,582 713,735 532,998 511,271	108,094 115,618 89,059 76,419	l		1,287 1,388 1,112 1,018	417,418 391,945 416,256 342,188 309,533	308.93 304.44 299.94 307.77 304.11	208,064 205,070 169,808 155,968		3.44 3.45 3.40 3.67 3.93	1.114 1.132 1.132 1.194 1.294
1920 1919 1918 1917 1916	31,255,421 31,096,449 1,263,344 1,264,016 31,208,367	\$1,202,219 \$1,045,148 1,209,957 1,210,247 \$1,150,456	110,840 115,033 116,051 104,629 113,635	26,595 35,494 35,777 31,858 30,473	712,155 589,951 734,796 732,653 680,123	100,838	251,864 210,256 226,077 240,269 231,039	00,709	1,363 1,190 1,377 1,382 1,317	413,699 367,161 408,778 398,263 366,173	303.52 308.60 296.89 288.18 277.98		4,421 3,625 3,522 2,897 2,631	3.24 3.05 2.56 2.10 2.00	1.069 .987 .862 .728 .719
JUNE 30 1916									1,263	343,477 277,135	271.98		2,469	1.96	.719
1915 1914 1913 1912 1911	* 925,697 * 1,023,131 * 1,067,978 * 926,990 * 901,573	*1,026,817 *889,999	109,483 98,825 102,658 86,433 81,780	26,001 26,352 25,669 24,064 22,833	507,250 574,000 592,164 506,306 483,861	91,094 93,762	157,085 177,950 196,947 166,134 163,380	40,239 41,161	1,130 1,183 1.031	277,135 288,637 301,730 264,081 253,784	400.01		2,469 2,038 2,127 42,199 1,969 1,926	1.96 1.99 1.88 41.92 1.91 1.92	.719 .735 .737 4 .729 .744 .757
1910 1909 1908 1907 1906									1,026 881 870 977 896	255,017 218,803 218,382 236,601 215,878	251.10 253.94 242.05 240.89		1,926 1,678 1,655 1,824 1,640	1.88 1.90 1.90 1.87 1.83	.758 .768 .754 .759 .748
1905 1904 1903 1902 1901									785 714 715 658 584	186,463 174,522 173,221 157,289 147,077	244.30 242.35 239.10 251.98		1,451 1,379 1,338 1,207 1,119	1.85 1.93 1.87 1.84 1.92	.766 .780 .768 .757 .750
1900 1899 1898 1897 1896									583 502	95,328	246.58 		773 787	1.80 1.82	.729 .724 .753 .798 .806
1895 1894 1893 1892 1891 1890										80,335 93,588 88,241			699 829 799 787		.839 .860 .878 .898 .895

^{*} Denotes first year for which figures include Alaska and Hawaii.

Includes forwarder traffic beginning 1939.

United States as a system, i.e., ton-miles or revenue of connecting roads is included in the numerator, but only tonnage originated in the denominator.

 $^{^3}$ Includes the following amounts of unassigned carload tonnage (thousands): 1911, 35,199; 1912, 32,266; 1913, 15,617; 1914, 14,671; 1915, 2,268; 1916, 1,867; and 1919, 388. 4 Class I and II railroads.

Series Q 346-355. Railroad Property Investment, Capital, Income, and Expenses: 1850 to 1890
[In millions of dollars]

		Property	investment a	nd capital		Inc	ome and expe	nses	Interest an	d dividends
Year	Investment in railroad and	Stock, mo	rtgage bonds, obligations, etc	equipment,	Stock paying	Total traffic	Operating expenses	Net earnings	Dividends paid	Interest paid on funded debt
	equipment	Total	Capital stock	Bonded debt	dividends	earnings				funded debt
	346	347	348	349	350	351	352	353	354	355
EXCLUDING ELEVATED RAILWAYS										
1890		10,020 9,576 9,281 8,595 8,089	4,590 4,447 4,892 4,146 3,956	5,055 4,784 4,585 4,155 3,853		1,086 991 950 931 822	524	342 317 297 381 297	83 79 78 90 80	224 216 205 202 182
1885 1884 1883 1882	l	7,775 7,617 7,423 6,960	8,778 3,726 8,675 3,478	8,740 3,647 8,479 3,214		765 768 807	498	266 266 291	77 98 101	179 167 1171
INCLUDING ELEVATED RAILWAYS										
1890 1889 1888 1888 1887	8,789 8,598 8,844 7,799 7,254	10,122 9,680 9,369 8,673 8,163	4,640 4,495 4,488 4,191 3,999	5,105 4,828 4,624 4,186 3,882	1,721 1,790 1,769 1,805 1,675	1,097 1,002 960 940 829		346 322 301 334 300	85 81 80 91 81	226 218 207 208 189
1885 1884 1888 1882 1882	7,087 6,924 6,684 6,035 5,577	7,842 7,676 7,477 7,016 6,278	3,817 3,762 3,708 3,511 3,177	3,765 8,669 8,500 8,235 2,878	1,804 1,658 1,713 1,673 (NA)	772 777 828 770 701		269 270 298 280 272	77 94 102 102 98	187 178 178 150 128
1880	4,653 4,416 4,166 4,180 4,086	5,402 4,872 4,772 4,806 24,468	2,708 2,895 2,292 2,813 2,248	2,580 2,819 2,297 2,255 2,165	(NA) (NA) (NA) (NA) (NA) 987	618 525 490 472 497	302 301 310	255 216 187 170 186	77 61 53 58 68	107 112 103 98 93
		4,658 4,221 8,784 3,159 2,664	2,198 1,990 1,947 1,647 1,481	*2,459 *2,230 *1,836 *1,511 (NA)		503 520 526 465 403	(NA) 330 342 (NA) (NA)	185 189 183 165 141	74 67 67 64 56	
1870		2,476 2,041 1,869 1,172 (NA)	(NA) (NA) (NA) 756 (NA)	(NA) (NA) (NA) 416 (NA)		(NA) (NA) (NA) 384 190	(NA) (NA) (NA) 228 (NA)	(NA) (NA) (NA) 105	(NA) (NA) (NA) 32	
1861		(NA) 1,149 768 (NA) 318	(NA) (NA) 424	(NA) (NA) 299		130 (NA) 84 89	(NA) (NA) 42			

NA Not available.

Includes other interest.

Series Q 356-366. Railroad Property Investment, Capital, and Capital Expenditures: 1890 to 1970

[In millions of dollars. Includes intercorporate duplications. Figures subject to general exception that, prior to 1908, the returns for switching and terminal companies were included where applicable. Capital expenditure represents total money outlay without deductions for property retired]

		Property	investment a	nd capital (cla	ss I, II, III ra	ilroads and the	eir lessors)		Capital expenditures for additions and betterments (class I railroads)			
Year ending—	Road and	equipment		Railroad cap	ital outstandi	ng ⁸	Net capital-	Stock			Roadway	
	Investment, book value 1	Depreciation reserve 2	Total	Common stock	Preferred stock	Funded debt unmatured	ization	paying dividends	Total	Equipment	and structures	
	356	357	358	359	360	361	362	363	364	365	366	
DECEMBER 31						İ			:			
1970	37,918 37,383 36,720 37,250 36,618	9,929 9,688 9,450 9,664 9,479	14,339 14,701 14,577 14,690 14,800	5,605 5,758 5,754 5,828 5,689	718 814 821 889 1,091	8,016 8,129 8,002 7,978 8,070		3,594 4,347 4,629 4,727 4,709	1,350 1,509 1,186 1,522 1,952	993 1,088 818 1,148 1,554	357 420 368 374 398	
1965	34,868	9,341 9,265 9,143 8,982 8,792	14,857 14,876 15,011 15,013 15,179	5,580 5,537 5,592 5,537 5,526	1,116 1,164 1,189 1,201 1,212	8,161 8,175 8,230 8,275 8,441	12,840 12,968 13,184	4,845 4,926 4,462 4,285 4,361	1,630 1,417 1,043 832 646	1,303 1,139 784 593 427	327 277 258 239 219	

 $^{^2\,\}mathrm{Sum}$ of capital stock, bonded debt, and \$55 million Pacific R.R., U.S. subsidiary bonds. $^3\,\mathrm{Includes}$ other debt.

Series Q 356-366. Railroad Property Investment, Capital, and Capital Expenditures: 1890 to 1970—Con. [In millions of dollars]

		Property i	nvestment an	d capital (clas	s I, II, III rai	lroads and the	ir lessors)		Capital ex and better	penditures for ments (class I	additions railroads)
Year ending	Road and	equipment		Railroad cap	tal outstandir	ng 3	Net capital- ization	Stock paying	Total	Equipment	Roadway and
	Investment, book value 1	Depreciation reserve 2	Total	Common stock	Preferred stock	Funded debt unmatured	izacion	dividends	Total	Equipment	structures
	356	357	358	359	360	361	362	363	364	365	366
DEC. 31—Con.		1									
1960* 1959 1958 1957 1956 1957 1956 1954 1953 1952 1951	34,934 34,614 33,714 33,034 32,708 32,416 31,822	8,532 8,295 8,043 7,800 7,542 7,313 7,175 7,009 6,926 6,837	16,134 16,365 16,603 16,775 17,399 17,422 17,590 17,658 18,067 18,220	6,185 6,233 6,243 6,291 6,911 7,341 7,316 7,023 7,243 7,235	1,218 1,246 1,266 1,369 1,395 1,310 1,530 1,868 1,954 1,977	8,731 8,886 9,094 9,115 9,093 8,771 8,744 8,767 8,870 9,008	14,150 14,287 14,529 14,682 15,285 15,171 15,386 15,365 15,487 15,489	5,617 5,750 5,290 6,465 6,785 7,300 6,618 7,252 6,734 6,700	919 818 738 1,394 1,227 909 820 1,259 1,340 1,413	633 567 479 1,007 821 568 498 857 935 1,050	285 250 258 386 406 341 321 401 405 363
1950	28,664 27,686 27,277 26,967 26,631 26,145 25,838	6,629 6,438 6,279 6,037 5,809 4,382 3,939 3,561 3,240	18,274 18,343 18,249 18,050 18,449 18,681 19,403 19,914 20,471 20,708	7,207 7,234 7,250 7,250 7,448 7,442 7,464 7,517 7,565 7,546	1,977 1,988 1,992 1,975 1,961 1,981 1,984 1,912 1,935	9,090 9,121 9,007 8,825 9,040 9,258 9,258 10,485 10,971 11,209	15,618 15,609 15,467 15,301 15,309 15,667 16,276 16,755 17,315	6,768 5,924 6,446 5,184 5,221 5,383 5,523 5,466 5,355 3,861	1,065 1,312 1,273 864 561 562 560 454 534	779 981 917 565 319 314 328 255 349 367	286 330 356 298 242 248 231 198 185
1940	25,538 25,595 25,636 25,432 25,500 25,681 25,901 26,086	3,095 3,102 3,044 2,950 2,809 2,771 2,764 2,707 2,632 2,520	21,047 23,609 23,855 24,123 24,003 22,080 24,570 24,723 24,837 24,844	7,734 8,025 8,040 8,064 7,993 7,907 7,994 8,057 8,067 8,031	2,036 2,049 2,049 2,050 2,036 2,018 2,044 2,042 2,047 2,049	11,277 13,584 13,766 14,009 13,974 12,155 14,532 14,624 14,723 14,264	17,630 17,698 17,988 18,319 18,336 18,342 18,653 18,881 18,894	3,741 3,190 3,139 3,890 3,594 3,412 3,411 3,119 3,298 7,325	429 262 226 509 298 188 212 103 167 361	271 133 115 322 159 79 92 15 86 73	157 128 111 186 139 108 120 88 130 288
1930	25,465 24,875 24,453 28,800 28,217 22,182 21,372 20,580	2,360 2,169 2,043 1,946 1,811 1,681 1,549 1,408 1,335 1,237	22,783 23,983 23,747 23,614 23,677 21,734 23,636 22,839 22,290 22,292	7,953 7,853 7,809 7,683 7,560 7,492 7,539 7,398 7,307 7,275	2,059 2,065 2,084 1,980 1,925 1,921 1,935 1,852 1,852 1,854 1,801	12,771 14,065 13,904 13,951 14,192 12,321 14,162 13,589 18,149 13,216	19,066 18,680 18,511 18,137 18,234 18,191 18,202 17,810 17,280 17,083	7,702 7,506 7,159 6,701 6,478 6,278 6,042 5,646 5,321 5,059	872 853 676 771 885 748 874 1,059 429 557	328 321 224 288 371 338 493 681 245 319	544 532 452 482 513 410 381 377 183 287
1920 1919 1918	19,300	1,081 1,009 936	20,098 20,950 20,785	6,958 7,193 7,249	1,885 1,898 1,806	11,255 11,859 11,730	16,994 16,550 16,454	5,075 5,298 5,138	1		
1917 1916	18,574	796 628	21,249 21,049	7,454 7,594	1,848 1,455	11,947 12,000	16,402 16,383	5,610 5,430			
JUNE 30 1916	17,441 17,153 16,588 16,004	571 511 435 5 327 6 259 6 210	21,092 19,720 420,247 419,796 19,753 19,209	7,603 7,287 47,304 47,232 7,249 7,075	1,456 1,348 41,376 41,379 1,374 1,396	12,033 11,085 411,567 411,185 11,180 10,738	16,336 16,308 4 15,759 4 15,366 15,126 15,044	5,279 5,219 5,667 5,780 5,581 5,730			
1910	14,557 18,609 18,213 13,030 12,420 11,951 11,511 10,973 10,658		18, 417 17, 488 16, 768 16, 082 14, 570 13, 805 13, 213 12, 600 12, 134 11, 688	6,710 6,218 5,911 5,933 5,403 5,181 5,051 4,877 4,722 4,475	1,403 1,468 1,463 1,424 1,401 1,378 1,289 1,279 1,302 1,331	10,304 9,802 9,894 8,725 7,766 7,251 6,873 6,444 6,110 5,882	14,376 13,914 12,834 (NA) 11,672 11,167 10,712 10,282 9,926 9,483	5,412 4,920 4,843 4,948 4,526 4,119 3,643 3,450 3,337 2,977			
1900	9,961 9,760 9,709 9,500 9,203 9,073 8,937 78,690		11,491 11,034 10,819 10,635 10,567 10,347 10,191 9,895 9,686 9,291 8,984	4,522 4,323 4,269 4,367 4,257 4,202 4,104 3,982 3,979 3,796 3,803	1,328 1,192 1,119 998 970 760 730 687 654 655	5,646 5,519 5,431 5,270 5,340 5,385 5,357 5,226 5,053 4,840 4,575	9,548 9,432 9,297 9,168 9,066 8,900 8,647 8,332 8,295 8,008 7,577	2,668 2,239 1,818 1,603 1,559 1,485 1,767 1,809 1,825 1,796			

^{*}Denotes first year for which figures include Alaska and Hawaii.

NA Not available.

¹Increase in investment over a period of years cannot be obtained accurately by subtraction of 1 year's investment from that of another owing to reorganization, sale or abandonment, reclassification, etc. For 1921-1924, includes investment of lessor companies; and for 1925-1970, investment of lessor and proprietary companies.
²Includes depreciation on "Miscellaneous physical property" prior to 1920 and amortization of defense projects accrued in 1941-1950.

³ Prior to 1958, includes securities nominally issued and nominally outstanding as well as those outstanding. Funded debt unmatured (series Q 361) does not include equipment obligations subsequent to 1942 but they are included here to preserve comparability of figures.

⁴ Class I and II railroads and their lessor subsidiaries.

⁵ Class I railroads.

⁶ Includes \$170 million estimated reserve for accrued depreciation to place figure on comparable basis with other years.

⁷ Represents 1893 investments less increases each year on account of change in classification in 1893.

Series Q 367-377. Railroad Income and Expenses, and Interest and Dividends: 1890 to 1970

[In thousands of dollars, except as indicated. Includes intercorporate duplications. Unless otherwise noted, covers class I, II, and III railroads, subject to general exception that, prior to 1908, the returns for switching and terminal companies were included where applicable]

				Inc	ome and exper	ases		<u> </u>		Interest and	l dividends ¹
Year ending—	Operating revenue	O Total	Maintenance of way and structures	Maintenance of equipment	Tax accruals	Operating income	Net oper- ating income	Net income 1	Ratio of operating expenses to operating revenues (percent)	Dividends declared	Interest accrued on funded debt
	367	368	369	370	371	372	373	374	375	376	377
DECEMBER 31											
		9,805,555 9,209,137 8,723,664 8,359,369 8,277,294	1,650,302 1,540,481 1,441,112 1,326,630 1,342,632	2,188,863 2,025,511 1,938,988 1,895,376 1,872,661	1,103,988 1,065,134 979,700 941,272 1,001,510	1,299,694 1,384,254 1,358,538 1,280,919 1,601,663	505,669 667,157 694,143 689,548 1,065,232	2 126,429 2 517,066 2 623,440 2 367,689 957,359	80.31 78.99 78.86 79.00 76.07	486,132 554,849 560,048 582,088 547,567	553,763 501,856 473,213 455,059 423,486
	10,425,052	8,002,685	1,273,099	1,802,103	949,215	1,473,152	980,066	865,899	76.76	532,649	402,889
	9,985,187	7,830,168	1,250,697	1,779,807	891,248	1,263,771	828,433	733,220	78.42	492,443	384,413
	9,684,636	7,542,306	1,207,801	1,747,395	906,456	1,235,874	815,952	681,325	77.88	412,815	377,556
	9,562,991	7,507,757	1,179,466	1,758,967	925,572	1,129,663	735,266	600,393	78.51	394,116	376,149
	9,309,696	7,361,751	1,141,223	1,698,617	1,011,814	956,131	547,045	410,140	79.08	385,017	383,313
1960*		7,657,929	1,217,241	1,775,528	1,020,471	963,793	594,618	473,175	79.42	411,650	386,774
1959		7,796,835	1,262,683	1,813,550	1,070,093	1,087,900	760,140	607,924	78.32	3 431,860	390,467
1958		7,631,341	1,248,596	1,735,067	977,277	1,077,671	772,898	630,033	78.78	444,982	393,159
1957		8,321,577	1,458,888	1,928,912	1,090,818	1,213,057	934,645	765,227	78.32	466,415	382,175
1956		8,199,792	1,433,037	1,907,606	1,144,446	1,342,254	1,083,708	908,416	76.73	476,083	373,207
1901		7,724,496 7,460,507 8,218,223 8,134,811 8,122,521	1,412,877 1,376,478 1,612,390 1,546,613 1,505,488	1,798,579 1,704,985 1,993,602 1,965,327 1,956,438	1,100,920 877,304 1,205,366 1,282,144 1,223,644	1,404,185 1,146,203 1,364,302 1,285,922 1,165,447	1,144,347 887,817 1,122,512 1,091,657 956,699	958,849 712,252 939,887 900,472 757,934	75.51 78.66 76.18 76.01 77.27	476,207 405,403 445,145 394,042 373,574	373,502 376,020 378,218 376,907 367,244
1950	9,587,000	7,135,055	1,311,775	1,718,660	1,212,084	1,239,861	1,055,309	854,951	74.42	348,811	367,218
	8,680,791	6,968,296	1,309,857	1,617,800	845,089	867,406	693,957	496,103	80.27	306,995	365,393
	9,784,332	7,552,630	1,374,058	1,713,967	1,043,036	1,188,666	1,014,815	767,949	77.19	335,313	361,879
	8,784,214	6,869,806	1,234,978	1,568,124	949,273	965,136	790,534	537,405	78.21	280,397	374,150
	7,709,171	6,422,494	1,169,887	1,478,302	506,480	780,197	624,868	334,966	83.31	283,171	406,147
1945	8,986,954	7,115,391	1,431,221	2,157,678	835,434	1,036,130	858,864	502,250	79.17	295,294	449,917
	9,524,628	6,345,035	1,283,208	1,597,155	1,961,652	1,317,941	1,113,153	733,461	66.62	292,248	488,877
	9,138,419	5,714,804	1,125,873	1,449,356	1,862,940	1,560,675	1,370,568	946,150	62.54	263,919	515,617
	7,547,826	4,653,705	811,206	1,219,460	1,211,775	1,682,347	1,499,364	992,843	61.66	254,088	564,174
	5,413,972	3,709,921	615,533	1,000,375	555,970	1,148,081	1,009,592	557,672	68.52	239,438	543,954
1940	4,354,712	3,131,598	508,328	826,242	402,953	820,161	690,554	243,148	71.91	216,522	547,333
1959	4,050,047	2,959,438	477,697	773,080	361,617	728,992	595,961	141,134	73.07	179,412	512,283
1938	3,616,072	2,762,681	431,021	683,529	346,236	507,155	376,865	-87,468	76.40	136,270	521,758
1937	4,226,325	3,165,154	508,319	834,820	351,013	730,158	597,841	146,351	74.89	227,596	532,237
1936	4,108,658	2,973,566	466,284	790,240	324,858	810,434	675,600	221,591	72.37	231,733	548,452
1935	3,499,126	2,630,177	404,105	688,678	240,760	626,973	505,415	52,177	75.17	202,568	559,187
	3,316,861	2,479,997	375,410	644,989	243,646	592,034	465,896	23,282	74.77	211,767	569,760
	3,138,186	2,285,218	331,653	605,409	253,522	598,222	477,326	26,543	72.82	158,790	590,230
	3,168,537	2,441,814	361,337	625,606	279,263	446,417	325,332	-121,630	77.06	150,774	591,340
	4,246,385	3,273,906	544,300	825,923	308,492	663,084	528,204	169,287	77.10	401,463	592,866
1930	5,356,484	3,993,621	723,525	1,030,482	353,881	1,007,907	874,154	577,923	74.56	603,150	588,742
	6,373,004	4,579,162	877,067	1,216,045	402,698	1,389,955	1,262,656	977,230	71.85	560,902	580,770
	6,212,464	4,508,606	861,846	1,181,251	395,631	1,306,620	1,182,467	855,018	72.57	510,018	578,831
	6,245,716	4,662,521	895,063	1,234,655	383,112	1,198,547	1,077,842	741,924	74.65	567,281	583,452
	6,508,679	4,766,235	894,886	1,300,680	396,538	1,844,010	1,229,020	883,422	73.23	473,683	581,709
1925	6,246,884	4,633,497	844,186	1,278,227	365,790	1,245,622	1,136,728	771,053	74.17	409,645	583,875
	6,045,252	4,608,807	821,793	1,279,680	347,437	1,086,578	984,463	623,399	76.24	385,130	588,301
	6,419,210	4,999,383	843,224	1,485,555	339,577	1,078,226	974,918	632,118	77.88	411,882	551,705
	5,674,483	4,509,991	755,080	1,269,971	308,145	854,779	769,411	434,459	79.48	358,806	538,594
	5,632,665	4,668,998	787,537	1,271,921	283,163	678,551	601,139	350,540	82.89	456,482	529,398
1920	6,310,151	5,954,394	1,069,436	1,613,950	289,272	75,402	12,101	481,951	94.36	331,103	500,354
	5,250,420	4,498,817	800,912	1,245,264	239,136	511,546	454,132	496,609	85.68	335,242	476,075
	4,985,290	4,071,522	673,084	1,120,611	229,533	684,004	646,223	442,336	81.67	339,186	468,286
	4,115,413	2,906,283	460,447	700,073	218,632	988,776	950,557	658,225	70.62	381,852	474,123
	3,691,065	2,426,251	439,195	609,105	161,825	1,102,171	1,058,506	735,341	65.73	366,561	481,426

RAIL TRANSPORTATION

Series Q 367-377. Railroad Income and Expenses, and Interest and Dividends: 1890 to 1970—Con. [In thousands of dollars, except as indicated]

· · · · · · · · · · · · · · · · · · ·				Inc	ome and expe	nses				Interest and dividends 1		
		o	perating expen	ses					Ratio of oper- ating expenses	-	Interest	
Year ending	Operating revenue	Total	Maintenance of way and structures	Maintenance of equipment	Tax accruals	Operating income	Net oper- ating income	Net income 1	to operating revenues (percent)	Dividends declared	accrued on funded debt	
	367	368	369	370	371	372	373	374	375	376	377	
JUNE 30												
1916	3,472,642 2,956,193 3,127,730 53,193,118 2,906,416 2,852,855	2,277,202 2,088,683 2,280,416 52,235,923 2,035,058 1,976,332	421,501 381,532 5419,278 5421,232 367,448 366,025	570,326 509,819 532,139 5511,561 450,373 428,367	150,015 137,775 140,470 5 122,005 113,819 102,657	1,044,603 729,069 706,844 5835,190 757,540 773,866	1,002,935 694,276 674,190 5805,266 727,458 744,669	671,398 354,787 395,492 6546,761 453,125 547,281	65.58 70.65 72.91 \$ 70.02 70.02 69.28	342,109 328,478 451,653 369,078 400,315 460,195	474,535 464,186 442,595 434,753 429,027 410,327	
1910	2,440,689 2,589,106 2,325,765 2,082,482 1,975,174	1,881,879 1,650,034 1,710,402 1,748,516 1,536,877 1,390,602 1,338,896 1,257,539 1,116,249 1,030,397	368,507 308,450 329,373 343,545 311,721 275,046 261,280 266,422 248,382 231,057	413,110 363,913 368,354 368,062 328,555 288,441 267,185 240,430 213,381 190,300	98,035 85,140 78,674 73,743 69,064 58,712 56,802 53,522 50,054 46,708	832,228 738,032 651,562	805,097 710,474 634,794 766,846 719,824 633,168 579,476 590,056 560,077 511,421	583,191 441,063 443,987 488,014 434,229 364,811 317,308 338,324 314,989 273,450	66.92 66.72 70.08 67.53 66.08 66.78 67.79 66.16 64.66 64.86	405,771 321,072 390,695 308,089 272,796 237,964 221,941 196,728 185,392 156,736	399,582 382,675 368,296 344,243 322,556 310,632 297,675 283,953 274,422 262,095	
1900 1899 1898 1897 1896 1895 1895 1894 1893 1892 1891 1890	1,313,610 1,247,326 1,122,090 1,150,169 1,075,371 1,073,362 1,220,752	961,429 856,969 817,973 752,525 772,989 725,720 731,414 827,921 780,998 731,888 692,094	211,221 180,411 173,315 159,434 160,345 143,976 143,669 169,258 164,189 153,672 152,719	181,174 150,919 142,625 122,762 133,382 113,789 112,895 136,876 128,712 117,048 114,039	41,929 41,119 37,962 38,146 36,556 35,071 32,751		481,171 412,244 387,424 328,446 339,219 311,505 305,391 357,760 357,658 332,822 329,978	252,760 177,225 147,167 85,802 94,794 60,133 60,174 114,015 120,091 114,965 106,270	64.65 65.24 65.58 67.06 67.20 67.48 68.14 67.82 66.67 66.73 65.80	139,598 111,010 96,153 87,111 87,603 85,288 95,515 100,930 97,615 91,118 87,072	252,950 251,158 246,127 247,880 249,624 252,513 252,780 250,177 240,075 219,521 221,500	

Series Q 378-384. Railroad Tax Accruals: 1921 to 1970

[In millions of dollars. Class I railroads]

			U.S. C	lovernment	taxes						U.S. 0	lovernment	taxes		
Year	Total	Total	Old-age retire- ment	Un- employ- ment insurance	Income and excess profits	All other	Other taxes	Year	Total	Total	Old-age retire- ment	Un- employ- ment insurance	Income and excess profits	All other	Other taxes
	378	379	380	381	382	383	384		378	379	380	381	382	383	384
1970 1969 1968 1967 1966	1,068.5 1,029.1 946.6 910.2 968.4	665.3 640.0 579.6 544.3 626.4	468.3 422.3 398.9 359.3 318.1	107.6 110.6 113.8 117.5 121.0	88.4 106.2 66.1 66.3 186.3	1.0 .9 .8 .9 1.0	403.2 389.1 366.7 365.8 342.0	1945 1944 1943 1942 1941	823.5 1,846.0 1,849.2 1,198.8 547.2	548.0 1,560.4 1,578.5 950.6 323.3	119.8 120.2 110.0 85.5 69.1	110.8 110.8 101.6 85.5 69.0	305.7 1,304.4 1,335.1 755.1 173.8	11.9 25.0 31.8 24.5 11.4	275.5 285.6 270.7 248.2 223.9
1965 1964 1963 1962 1961	916.5 870.6 886.4 905.0 991.1	560.4 524.0 539.5 540.0 608.2	271.2 256.3 242.3 246.0 233.8	124.0 128.3 131.6 135.8 130.1	163.7 137.9 164.1 156.8 242.5	1.5 1.6 1.5 1.5	356.1 346.6 346.9 365.0 382.9	1940 1939 1938 1937 1936	396.4 355.7 340.8 325.7 319.8	181.5 118.7 75.4 66.7 91.8	58.2 50.3 47.1 25.1 47.3	58.2 28.7 5.9 4.5 8.8	59.9 32.8 18.9 32.0 30.7	5.2 6.9 3.5 5.1 5.0	214.9 237.0 265.4 259.0 228.0
1960 1959 1958 1957 1956	998.8 1,047.6 957.2 1,068.4 1,121.3	598.6 643.4 559.0 664.2 728.5	253.2 244.7 225.5 258.7 269.3	141.0 129.2 90.3 82.9 64.9	202.9 267.6 240.9 320.3 392.0	1.6 1.9 2.2 2.4 2.3	400.2 404.2 398.2 404.2 392.8	1935 1934 1933 1932 1931	236.9 239.6 249.6 275.1 303.5	24.7 19.8 19.3 11.9 10.2			18.9 14.3 12.7	5.8 5.5 6.6	212.2 219.8 230.3 263.2 293.8
1955 1954 1953 1952 1952		700.9 499.6 822.4 906.4 855.8	262.5 250.6 266.8 269.8 264.1	21.3 20.0 21.2 21.6 22.0	414.3 226.4 533.1 612.6 567.1	2.7 2.6 1.3 2.4 2.6	379.5 361.7 362.6 355.4 347.5	1930 1929 1928 1927 1926	348.6 396.7 389.4 376.1 388.9	39.9 89.4 88.0 84.6 108.3					308.6 307.2 301.4 291.5 280.6
1950 1949 1948 1947 1946	1,194.6 832.5 1,028.5 936.4 498.1	866.5 517.8 721.2 654.0 242.1	242.1 233.8 243.9 232.2 136.9	20.2 19.4 21.1 121.2 117.4	601.2 261.6 448.4 297.6 -15.7	3.0 3.0 7.9 3.0 3.4	328.1 314.7 307.3 282.4 256.0	1925 1924 1923 1922 1921	358.5 340.3 331.9 301.0 275.9	86.5 73.4 77.1 51.9 37.3					272.0 266.9 254.8 249.1 238.6

^{*} Denotes first year for which figures include Alaska and Hawaii.

I Includes lessors.

2 After extraordinary and prior period items.

3 Includes \$10,000 dividend declared from "capital surplus."

Includes unusual items, amounting to \$76,300,000, not representing cash.
 Class I and II railroads.
 Class I and II railroads and their lessor subsidiaries.

Series Q 385-387. Railroad Highway Grade Crossings: 1925 to 1970

[Class I railroads. Includes switching and terminal companies]

Year	Total	Specially protected	Eliminated during year by separation of grades	Year	Total	Specially protected	Eliminated durng year by separation of grades
	385	386	387		385	386	387
1970	210,954 211,740 211,998 213,723 214,417	46,674 45,961 45,502 45,213 44,432	95 49 207 182 173	1945 1944 1943 1942	226,153 226,357 226,938 227,496 229,722	33,321 33,211 33,124 33,075 32,859	7 14 37 149 182
1965	215,961 218,723 220,165 221,653 223,735	44,333 48,990 43,484 43,127 42,256	59 159 72 132 100	1940 1939 1938 1987 1987	230,285 231,104 231,400 232,322 232,902	32,421 31,775 31,448 31,119 30,466	209 204 235 400 521
1960	224,518 225,394 225,938 223,381 224,519	42,267 41,720 41,155 39,884 39,324	102 130 78 113 72	1935. 1934. 1938. 194. 194.	234,231 234,820 235,827 237,035 238,017	30,200 30,226 30,628 30,809 31,052	164 231 221 189 361
1955	226,318 226,522 227,110 227,291 227,415	39,060 38,528 37,990 37,242 36,682	84 80 53 95 50	1980	240,673 242,809 240,089 236,283 235,158	30,287 30,190 29,215 28,724 27,927	408 275 270 245 195
1950	227,364 226,791 226,844 226,501 226,143	35,968 35,243 34,507 33,789 33,320	61 53 26 24 23	1925	233,633	27,241	

Series Q 388–397. Fuel Received, Ties and Rails Laid, and Purchases by Railroads: 1917 to 1970

[Class I line-haul railroads]

		Fuel received 1		New	Cross-t	ies laid		Purcl	hases	
Year	Bituminous coal	Fuel oil	Diesel oil	rails laid	Total	Treated	Total, incl. miscellaneous	Fuel	Forest products	Iron and steel products
	388	389	390	391	392	393	394	395	396	397
	1,000 short tons	Mil. gal.	Mil. gal.	1,000 short tons	1,000	1,000	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.
1970	1 1 2 2 3	33 42 47 65	3,812 3,924 3,922 3,889 3,925	549 575 547 474 605	19,611 20,088 19,006 17,458 17,699	19,473 19,895 18,811 17,319 17,399	1,654 1,534 1,591 1,605	446 439 415 401	123 104 126 125	454 425 462 483
1965	4	77	3,742	446	16,982	16,731	1,498	374	104	447
1964	7	85	3,630	383	16,546	16,488	1,476	365	97	487
1963	1,566	221	3,636	370	15,120	15,027	1,401	376	85	896
1962	1,834	229	3,578	312	15,206	15,138	1,311	364	81	374
1962	1,870	224	3,507	293	13,427	13,357	1,262	366	70	334
1960	2,229	233	3,560	382	16,417	16,290	1,463	365	97	446
1959	2,717	237	3,620	481	18,267	18,077	1,430	392	93	419
1958	3,658	239	3,453	413	17,722	17,426	1,231	376	76	320
1957	8,160	279	3,633	782	25,123	24,497	1,816	460	128	609
1956	12,280	443	8,639	883	27,323	26,848	1,884	477	155	613
1955	15,188	613	3,453	963	27,173	26,490	1,637	454	119	510
1954	15,964	656	3,160	993	25,728	24,531	1,425	433	114	406
1953	28,005	1,153	3,067	1,302	33,462	32,144	1,920	510	176	613
1952	37,829	1,668	2,759	1,086	34,231	32,910	1,818	539	177	518
1951	54,226	2,335	2,323	1,282	32,457	30,804	2,176	621	188	704
1950	63,906	2,519	1,923	1,368	83,091	31,553	1,740	609	121	510
1949	64,671	2,638	1,486	1,448	32,926	31,198	1,641	564	142	454
1948	98,826	3,759	1,170	1,548	40,472	38,281	2,183	833	166	590
1947	109,884	4,052	785	1,639	40,206	37,920	1,909	692	172	504
1947	108,148	4,144	544	1,388	40,150	37,671	1,571	553	149	416
1945	123,007	4,706	441	1,823	46,624	43,657	1,572	555	137	418
1944	185,579	4,744	816	1,773	51,259	47,695	1,611	586	159	432
1943	129,788	4,802	219	1,448	49,844	44,822	1,894	527	150	340
1942	120,910	4,135	174	1,353	53,241	47,932	1,260	426	115	354
1941	104,100	8,368	114	1,355	50,077	43,872	1,161	350	104	380

RAIL TRANSPORTATION

Series Q 388-397. Fuel Received, Ties and Rails Laid, and Purchases by Railroads: 1917 to 1970—Con.

		Fuel received ¹		New	Cross-t	ies laid		Purc	hases	
Year	Bituminous coal	Fuel oil	Diesel oil	rails laid	Total	Treated	Total, incl. miscellaneous	Fuel	Forest products	Iron and steel products
	388	389	390	391	392	393	394	395	396	397
	1,000 short tons	Mil. gal.	Mil. gal.	1,000 short tons	1,000	1,000	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.
940 939 938 987 936	88,595 81,813 74,784 91,718 91,707	2,752 2,573 2,426 2,875 2,569	73 44	1,134 992 679 1,163 1,043	45,326 46,410 42,508 49,738 49,117	38,698 39,654 34,589 39,674 38,206	854 769 583 966 803	274 257 244 294 272	82 70 57 105 77	264 236 127 311 239
935 934 933 982 981	81,286 79,494 75,487 74,670 91,136	2,282 2,108 1,943 1,984 2,380		658 715 457 456 1,154	45,260 44,131 38,007 40,137 54,449	33,939 32,367 26,818 30,107 41,851	593 600 466 445 695	233 217 181 178 245	57 64 42 52 76	138 151 104 98 189
980 929 928 927 926	108,651 124,152 119,820 130,606 139,602	2,870 3,208 2,847 2,921 3,173		1,783 2,281 2,404 2,477 2,475	69,325 81,964 84,585 86,243 280,746	54,529 64,724 64,331 62,963 255,558	1,039 1,330 1,271 1,396 1,559	307 364 385 439 473	135 158 161 176 186	308 407 378 407 507
925	131,452 126,340 157,900 120,654 127,630	3,017		2,184 2,006 1,937 1,557 1,640	82,717 83,073 84,435 86,642 86,522	50,090 44,490 41,656 40,630 36,072	1,392 1,343 1,739	459 472 618	170 181 233	419 369 469
920				1,581 2,615 2,109 2,293	86,829 80,908 76,139 79,070					

Series Q 398-409. Railroad Employment and Wages, and Accidents and Fatalities: 1890 to 1970

[Statistics on accidents and fatalities not strictly comparable because of changing definition of a reportable accident]

	Empl	Employees ¹		-	I	Railroad accid	ents and fata	alities (all stea	m railroads)			
Year ending—	Number	Compen-	То	tal	Passen	gers ^{2 3}	Emplo	yees 4	Other p	ersons 3	Trespassers 3 5	
		sation	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
	398	399	400	401	402	403	404	405	406	407	408	409
	1,000	Mil. dol.										
DECEMBER 31												
1970	577 590 602 624 645	5,646 5,451 5,197 5,026 4,975	2,225 2,299 2,359 2,483 2,684	21,327 23,356 24,608 24,523 25,552	8 6 11 12 23	489 862 1,329 1,054 1,244	172 190 150 176 168	16,285 17,255 18,116 18,055 18,651	1,452 1,476 1,570 1,649 1,815	3,907 4,565 4,500 4,718 4,955	593 627 628 646 678	646 674 663 696 702
1965	655 675 691 711 727	4,887 4,758 4,690 4,722 4,684	2,399 2,423 2,141 2,106 2,127	25,789 27,614 27,456 26,880 27,118	11 8 13 27 17	1,189 1,489 2,135 2,109 1,887	184 188 173 190 145	19,133 20,499 19,992 19,733 20,194	1,570 1,608 1,384 1,272 1,341	4,799 4,915 4,671 4,360 4,359	634 619 571 617 624	668 711 658 678 678
1960* 1959 1958 1957 1956	793 828 853 999 1,058	4,957 5,049 4,991 5,422 5,388	2,248 2,094 2,311 2,393 2,578	19,577 19,909 19,343 18,688 28,676	32 10 61 15 57	1,463 1,352 1,628 1,566 2,756	198 178 187 195 288	13,710 14,198 13,305 12,246 19,608	1,401 1,265 1,352 1,441 1,415	3,840 8,740 8,750 4,259 5,588	617 641 711 742 818	564 619 660 617 724
1955 1954 1953 1952 1951	1.221	5,045 4,907 5,381 5,382 5,328	2,761 2,575 3,039 3,011 3,459	27,840 25,547 29,214 30,001 84,454	24 30 49 24 150	2,253 2,247 2,503 2,049 3,184	282 235 343 386 432	19,011 17,219 20,170 21,339 24,266	1,588 1,440 1,603 1,558 1,735	5,896 5,854 5,745 5,806 6,178	867 870 1,044 1,048 1,142	680 727 796 807 826
1950	1.209	4,645 4,469 4,821 4,399 4,214	3,486 3,426 3,883 4,285 4,508	33,267 32,123 43,107 48,819 52,026	180 37 59 79 128	3,419 2,545 3,607 4,246 4,714	392 450 622 791 738	22,586 22,993 31,961 36,880 39,472	1,699 1,652 1,757 1,935 2,007	6,320 5,664 6,575 6,675 6,853	1,215 1,287 1,445 1,480 1,635	942 921 964 1,018 987
1945 1944 1943 1942 1941	1.434	3,901 3,898 3,556 2,966 2,360	4,812 4,908 5,051 5,337 5,191	61,515 61,251 60,348 48,123 37,829	156 267 278 122 48	4,840 4,854 5,166 3,501 3,009	972 1,087 1,072 1,005 807	48,632 48,613 46,971 36,032 25,866	2,092 2,004 1,946 2,197 2,141	7,031 6,820 7,076 7,237 7,378	1,592 1,550 1,755 2,013 2,195	1,012 964 1,135 1,353 1,576

 $^{-\,}$ Represents zero. 1 Beginning 1964, represents fuel consumed by locomotives and rail motor cars.

² Figures for this and earlier years less inclusive than for later years.

Q 398-409

TRANSPORTATION

Series Q 398-409. Railroad Employment and Wages, and Accidents and Fatalities: 1890 to 1970-Con.

	Empl	oyees 1			R	ailroad accide	ents and fata	lities (all stea	m railroads)			
Year ending	Number	Compen-	То	tal	Passen	gers 2 3	Emplo	yees 4	Other p	ersons 3	Trespa	ussers 3 5
3		sation	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
	398	399	400	401	402	403	404	405	406	407	408	409
	1,000	Mil. dol.										
DECEMBER 31— Con.				Į.			ļ					
1940 1939 1988 1937 1936	1,046 1,007 958 1,137 1,086	1,991 1,889 1,771 2,014 1,874	4,740 4,492 4,649 5,502 5,550	29,606 28,144 27,275 36,718 34,723	83 40 81 84 41	2,597 2,580 2,845 2,594 2,548	583 536 518 712 720	18,350 17,383 16,569 24,114 22,409	1,979 1,564 1,695 2,102 1,988	6,886 6,225 6,253 7,703 7,348	2,095 2,352 2,360 2,654 2,801	1,773 1,956 2,108 2,802 2,418
1935 1934 1933 1932 1931	1,014 1,027 991 1,052 1,283	1,666 1,541 1,424 1,535 2,125	5,258 5,020 5,180 4,905 5,271	28,108 28,641 27,516 29,282 35,671	30 38 51 27 46	1,949 1,945 2,067 1,912 2,104	600 556 533 579 677	16,742 17,388 15,932 17,742 23,858	1,842 1,729 1,704 1,722 2,059	6,711 6,578 5,915 6,214 7,232	2,786 2,697 2,892 2,577 2,489	2,706 2,785 8,602 3,364 2,977
1980	1,517 1,694 1,692 1,776 1,822	2,589 2,940 2,874 2,963 3,002	5,665 6,690 6,680 6,992 7,090	49,443 77,013 86,205 104,817 130,285	61 114 91 88 152	2,666 3,846 3,468 3,893 4,461	977 1,428 1,829 1,570 1,672	35,872 60,739 70,873 88,223 111,903	2,218 2,724 2,778 2,608 2,705	8,230 10,082 9,497 9,976 11,326	2,409 2,424 2,487 2,726 2,561	2,675 2,846 2,867 2,725 2,545
1925 1924 1923 1922 1921	1,786 1,795 1,902 1,670 1,705	2,916 2,883 3,062 2,698 2,824	6,766 6,617 7,385 6,325 5,996	137,435 148,739 171,712 134,871 120,685	171 149 138 200 205	4,952 5,854 5,847 6,153 5,584	1,599 1,543 2,026 1,657 1,446	119,224 125,319 152,678 117,197 104,530	2,412 2,869 2,442 2,038 4,845	10,571 10,213 10,140 8,677 10,571	2,584 2,556 2,779 2,430	2,688 2,858 8,047 2,844
1920 1919 1918 1917 1916	2,076 1,960 1,892 1,786 1,701	8,754 2,898 2,665 1,783 1,507	6,958 6,978 9,286 10,087 10,001	168,309 149,053 174,575 194,805 196,722	229 273 471 801 246	7,591 7,456 7,316 7,582 7,152	2,578 2,138 3,419 3,199 2,941	149,414 181,018 156,013 174,247 176,923	4,151 4,567 5,896 6,587 6,814	11,304 10,579 11,246 12,976 12,647		
JUNE 80												
1916 1915 1914 1913 1912 1911	1,654 1,548 1,710 61,815 1,716 1,670	1,404 1,278 1,381 61,374 1,252 1,208	9,364 8,621 10,302 10,964 10,585 10,396	180,375 162,040 192,662 200,308 169,538 150,159	239 199 232 350 283 299	7,488 10,914 13,887 15,130 14,938 12,042	2,687 2,152 3,259 3,715 3,635 3,602	160,663 138,092 165,212 171,417 142,442 126,039	6,438 6,270 6,811 6,899 6,667 6,495	12,224 13,034 13,563 18,761 12,158 12,078		l
1910 1909 1908 1907 1906	1,699 1,503 1,486 1,672 1,521	1,144 988 1,035 1,072 901	9,682 8,722 10,188 11,839 10,618	119,507 95,626 104,280 111,016 97,706	324 253 381 610 359	12,451 10,811 11,556 18,041 10,764	3,382 2,610 3,405 4,534 3,929	95,671 75,006 82,487 87,644 76,701	5,976 5,859 6,402 6,695 6,330	11,885 10,809 10,187 10,831 10,241		
1905	1,382 1,296 1,313 1,189 1,071	840 818 757 676 611	9,708 10,046 9,840 8,588 8,455	86,008 84,155 76,553 64,662 53,339	587 441 355 345 282	10,457 9,111 8,231 6,683 4,988	3,361 8,632 3,606 2,969 2,675	66,833 67,067 60,481 50,524 41,142	5,805 5,978 5,879 5,274 5,498	8,718 7,977 7,841 7,455 7,209		
1900 1899 1898 1897 1896	1,018 929 875 823 827	577 523 495 466 469	7,865 7,123 6,859 6,487 6,448	50,320 44,620 40,882 86,731 38,687	249 239 221 222 181	4,128 3,442 2,945 2,795 2,873	2,550 2,210 1,958 1,693 1,861	39,643 34,923 31,761 27,667 29,969	5,066 4,674 4,680 4,522 4,406	6,549 6,255 6,176 6,269 5,845		
1895 1894 1893 1892 1891	785 780 874 821 784	446	6,136 6,447 7,346 7,147 7,029	33,748 31,889 40,393 36,652 33,881	170 324 299 876 293	2,375 3,034 3,229 3,227 2,972	1,811 1,823 2,727 2,554 2,660	25,696 23,422 31,729 28,267 26,140	4,155 4,300 4,820 4,217 4,076	5,677 5,483 5,435 5,158 4,769		
1890	749		6,335	29,027	286	2,425	2,451	22,396	3,598	4,206		

^{*} Denotes first year for which figures include Alaska and Hawaii.

1 See headnote for series Q 367-377.

2 Passengers on trains and travelers not on trains.

3 Casualties sustained in nontrain accidents included with "Other persons." Nontrain accidents are those not caused directly by operation or movement of trains, locomotives, or cars, but attributable to shop machinery or use of tools and apparatus that result in reportable casualties.

⁴ Prior to 1921 casualties sustained by employees not on duty in nontrain accidents included with "Other persons."
⁵ Treepassers included with "Other persons" prior to 1922.
⁶ Class I and II railroads.

Series Q 410-412. Pullman Company Operations: 1915 to 1968

Year	Average miles of road over which operations conducted	Revenue passenger- miles ¹ (millions)	Employees	Year	Average miles of road over which operations conducted	Revenue passenger- miles ¹ (millions)	Employees
	410	411	412		410	411	412
1968	33,464 42,713 45,807 51,057 52,994 59,798 61,278 63,035 67,467 71,448 79,555 85,068 87,472 89,124 91,920 94,518 96,390 99,592 102,722 104,287 104,940 105,950 100,653	1,002 1,434 1,969 2,014 2,218 2,516 2,905 3,046 3,358 3,462 4,300 5,388 6,630 6,882 7,271 8,200 9,336 9,893 10,558 10,558 10,544 12,172 13,516 20,672 27,276 28,267	2,945 4,179 4,905 5,847 5,544 5,902 6,892 6,688 7,320 8,020 10,234 14,890 16,793 18,061 19,866 21,529 22,588 23,862 22,286 22,286 23,724 29,046 36,982 41,601 39,703	1940 1989 1989 1938 1937 1936 1985 1934 1933 1932 1931 1930 1929 1929 1928 1927 1926 1925 1924 1923 1922 1921 1922 1921 1922 1921 1920 1919 1918 1918		8,214 8,485 8,270 9,170 8,355 7,146 6,891 6,142 2,6,757 9,891 12,516 14,059 13,998 14,409 14,409 14,409 14,409 14,409 11,720 11,725 11,725 11,725 11,725 11,725 11,725 11,725 11,072 9,285	20,877 21,385 20,750 23,406 21,711 20,436 19,066 15,887 17,132 22,546 26,165 29,250 26,815 27,359 26,185 26,919 25,091 23,579 19,066
1944 1942 1941	103,766 104,128 106,408 108,034	25,891 19,072 10,070	33,182 26,591 22,704	1915		8,925	

 $^{^{\}rm 1}\,1939{-}1967$ includes Pullman operations on Canadian and Mexican railroads; excludes chartered car operations.

Water Transportation (Series Q 413-564)

Q 413-564. General note.

Basic governmental sources of historical merchant-marine and water-traffic statistics include American State Papers: Class IV, Commerce and Navigation, vols. 1 and 2, for 1789-1823; the various annual issues of Foreign Commerce and Navigation of the United States. for 1821-1946, originally issued by the Register of the Treasury and then by the Treasury Department, later by the Department of Commerce and Labor, and finally by the Department of Commerce; the Annual Report of the Commissioner of Navigation, 1884-1923, the issuance of which followed a similar succession beginning with the Treasury Department; annual issues of Merchant Marine Statistics, 1924-1965, originally prepared by the Department of Commerce as successor to the statistical section of the Annual Report of the Commissioner of Navigation, and issued annually by the Bureau of Customs until 1965, supplemented by records of the U.S. Coast Guard, and the various annual issues of the Annual Report of the Office of the Chief of Engineers, Corps of Engineers. The Statistical Abstract of the United States, a secondary source, also contains historical merchantmarine and water-traffic statistics. The Statistical Abstract has been issued by the following agencies: 1878-1902, Bureau of Statistics, Treasury Department; 1903-1911, Bureau of Statistics, Department of Commerce and Labor; 1912, Bureau of Foreign and Domestic Commerce, Department of Commerce and Labor; 1913-1937, Bureau of Foreign and Domestic Commerce, Department of Commerce; 1938 and thereafter, Bureau of the Census, Department of Commerce.

Congressional documents also contain historical series on the merchant marine, foreign commerce, and related fields. For 1789-1882, a particularly valuable collection of documents was found in the library of the Department of Commerce, bound together under the title Decadence of American Shipping and Compulsory Pilotage. The documents included are as follows: Foreign Commerce and Decadence of American Shipping, H. R. Ex. Doc. No. 111, 41st Congress, 2d session; Causes of the Reduction of American Tonnage and the Decline of Navigation Interest . . . , H. R. Report No. 28, 41st Congress, 2d session; Foreign Commerce and the Practical Workings of Maritime Reciprocity, H. R. Ex. Doc. No. 76, 41st Congress, 3d session; Causes of the Decadence of Our Merchant Marine; Means for Its Restoration and the Extension of Our Foreign Commerce, H. R. Report No. 342, 46th Congress, 3d session; American Shipping, H. R. Report No. 1827, 47th Congress, 2d session; American Merchant Marine, H. R. Report No. 363, 48th Congress, 1st session; Ship-Building and Ship-Owning Interests, H. R. Report No. 750, 48th Congress, 1st session; and reports of lesser interest, H. R. Misc. Doc. No. 37 and Report No. 1848, both of the 48th Congress, 1st session.

Since 1921, publications of the Maritime Commission and its predecessor agencies should also be consulted, particularly the reports entitled, Ocean-Going Merchant Fleets of Principal Maritime Nations, Iron and Steel, Steam and Motor, Vessels of 2,000 Gross Tons and Over, issued quarterly or semiannually, 1921–1941, and Employment of American Flag Steam and Motor Merchant Vessels of 1,000 Gross Tons and Over, issued quarterly, 1923–1941. Finally, the Bureau of the Census (and its predecessor Census Office) published the results of five censuses of water transportation, for the years 1880, 1889, 1906, 1916, and 1926 (see general note for series Q 414–505, below).

Q 413. Persons entering the United States by ship, 1933-1970.

Source: U.S. Department of the Treasury, Annual Report of the Secretary of the Treasury on the State of the Finances, various issues.

Data include persons entering by documented vessels, excluding ferryboats.

Q 414-505. General note.

Statistics on documented merchant vessels and shipbuilding are from Merchant Marine Statistics, various annual issues, supplemented by records of the U.S. Coast Guard. Many are from the 1936 issue. Some of the estimates from the 1936 report have been modified, however, as explained below in table II. The text statements, and the correction of errors found in the published tables are based on reference to the primary sources, as follows: For 1789–1823, see American State Papers: Class IV, Commerce and Navigation, vols. 1 and 2 (published in 1834); for 1821–1892, see annual issues of Commerce and Navigation of the United States; for 1884–1923, see issues of Annual Report of the Commissioner of Navigation; for 1924–1945, see annual issues of Merchant Marine Statistics.

Of the Maritime Commission reports cited in the general note for series Q 413-564, above, the first, Ocean-Going Merchant Fleets..., provides data for each leading maritime nation on ocean-going merchant vessels of 2,000 gross tons and over, showing number and tonnage of such fleets classified by age, speed, size, boilers, engines, draft, etc., by major vessel type. The second, Employment of American Flag Steam and Motor Merchant Vessels..., shows for seagoing merchant vessels of 1,000 gross tons and over the number and tonnage of such vessels employed in U.S. foreign and domestic trade, arranged by major vessel type, ownership (government and private), and area of operation.

Census statistics on water transportation are not presented here. For reports of these censuses, see *Tenth Census Reports*, vol. IV, Report on Agencies of Transportation, 1880; Eleventh Census Reports, Report on Transportation Business, part 1, "Transportation by Water"; Transportation by Water, 1906; Water Transportation, 1916; and Water Transportation, 1926.

The first census, for 1880, was limited to steam vessels. The report of this census includes a detailed history of steam navigation in the United States with separate discussion and single-year construction statistics by geographic region, from the beginning to 1880. (See T. C. Purdy, "Report on Steam Navigation in the United States," Tenth Census Reports, 1880, vol. IV.) The report of the shipbuilding census, also taken the same year, includes a detailed technical history of shipbuilding in all aspects, with particular reference to sailing craft. Single-year figures are shown for New England shipbuilding, 1674–1714, classified by type of vessel and place where built. (See Henry Hall, "Report on the Ship-Building Industry of the United States," Tenth Census Reports, 1880, vol. VIII.)

The censuses of 1889 and 1906 included all classes of vessels. However, the 1889 census included fishing vessels for the Pacific Division only and the 1906 census excluded fishing vessels. The censuses of 1916 and 1926 provided data for all U.S. vessels and craft of 5 tons net register and over, documented and undocumented, whether propelled by machinery or sails, or unrigged, except that certain specified types of vessels were excluded. (See Bureau of the Census, Water Transportation, 1926, p. 5.) While the census reports of 1850 and 1860 contain some statistics relating to water transportation, these statistics apparently were collected by other agencies.

Data shown here are for documented merchant vessels only, ex-

clusive of yachts. The following definitions are those currently applicable:

Documented vessels include all vessels granted registers, enrollments and licenses, or licenses, as "vessels of the United States," and as such have certain benefits and privileges. Vessels of 5 net tons and over owned by citizens of the United States and otherwise complying with the requirements for documentation may be documented to engage in the foreign or coasting trades or the fisheries.

Registers are ordinarily issued to vessels engaged in the foreign trade or the whale fisheries. Historically, this group has included the major portion of the whaling fleet.

Enrollments and licenses are issued to vessels of 20 net tons and over engaged in the coasting trade or fisheries.

Licenses may be issued to vessels of less than 20 net tons engaged in the coasting trade or fisheries.

Undocumented craft are those not registered, enrolled, or licensed. Barges, scows, lighters, and canal boats, without any propelling power of their own, operated exclusively in a harbor, on the canals or other internal waters of a State, or on the rivers or lakes of the United States, not in any case carrying passengers, and vessels under 5 net tons are exempt from the requirements of the laws governing documentation.

Gross tonnage refers to space measurement, 100 cubic feet equaling 1 ton; it is not a measure of weight. Gross tonnage is the capacity of the entire space within the frames and the ceiling of the hull, together with those closed-in spaces above deck available for cargo, stores, passengers, or crew, with certain minor exemptions. Before 1865, 95 cubic feet equaled 1 ton, and the admeasurement method differed in other respects.

Changes in maritime law: Admeasurement method. "Admeasurement" refers to the method of calculating gross tonnage of ships or vessels. The first law of the United States on the subject appears to have been enacted September 1, 1789 (1 Stat. 55). The enactment then made was reenacted with certain minor amendments in the Acts of August 4, 1790 (1 Stat. 169), and of March 2, 1799 (1 Stat. 675), and as so enacted was in force until January 1, 1865.

A basic change in admeasurement method was provided in the act of May 6, 1864, effective January 1, 1865 (13 Stat. 70–72, R. S. 4153, 46 U. S. C. 77). The method described in the act of May 6, 1864, appears to have been substantially the same as that in force in 1945.

For the transition period, 1865–1868, the total tonnage figures for the fleet are "mixed." During those years, the total fleet tonnage was obtained by combining the "old admeasurement" tonnage of vessels not yet readmeasured and the "new admeasurement" tonnage of vessels which had been readmeasured or newly built. For a recapitulation of the "old" and "new" components of the fleet tonnage (not the same vessels) for each year, 1865–1868, see Commerce and Navigation, 1870, p. 798.

No table has been located comparing the tonnage of a substantial number of vessels under "new" and "old" admeasurement; hence, neither the magnitude nor the direction of the change can be stated here. Apparently it varied for different types of vessels. "Brigs, schooners, and sloops measure less under the 'new' admeasurement ... while ships, barks, steamboats, and vessels having closed-in spaces above their hulls have their tonnage largely increased." Further, the difference between "old" and "new" was not believed to affect a comparison of New England shipbuilding for the years 1855 and 1868. (See Treasury Annual Report, 1868, p. 496.)

Another type of change in maritime law affecting the statistics is illustrated by the act of April 18, 1874 (18 Stat. 31), which exempted the greater amount of canalboat and other unrigged tonnage from documentation. (See U.S. Code, title 46, sec. 336.) For 1874–1876,

the "balance sheets of tonnage," published annually in the source volumes, record the removal of 879,000 tons of vessels for this reason alone. However, Merchant Marine Statistics, 1936, lists 843,000 tons exempted in 1876, whereas the 1876 balance sheet of tonnage specified 601,000 tons exempted. The reason for this discrepancy is not clear. The tonnage exempted annually, 1874–1936, is shown on pp. 54–55 of Merchant Marine Statistics, 1936.

At irregular intervals, steps were taken to remove from the tonnage accounts those vessels lost, abandoned, captured, sold to aliens, etc., which had not been officially reported for removal purposes. From the outset, the failure to remove such vessels annually resulted in a cumulative error which inflated the statistics of tonnage. When general clearances of this cumulative error were made, the effect was concentrated in a single year or a small group of years.

For a basic statement on this subject, see American State Papers, cited above, vol. 1, p. 494, where Albert Gallatin, Secretary of the Treasury, outlines the problem and discusses the first attempt (1800) to deal with it. Recurrently, in the annual tonnage reports found in the source volumes, the problem is discussed, the announcement is made that the rolls have been finally cleared, and assurance is given that the problem has been solved for the future. However, as late as 1867, in spite of repeated clearances in earlier years, the "First Annual Report of the Director of the Bureau of Statistics" stated, "The tonnage returns were swelled with thousands of ghostly ships—ships that had gone to the bottom years ago." (See Annual Report of the Secretary of Treasury, 1867, p. 244.)

In 1869, the Register of the Treasury attributed the entire decline of tonnage reported for 1869 to this factor. (See Treasury Report, 1869, p. 300.) In the same year, Francis A. Walker, Deputy Special Commissioner of Revenue in Charge of the Bureau of Statistics, stated that the process of assigning a number to each vessel and the institution of an annual list of vessels, as required by the Act of July 28, 1866, "has succeeded in clearing from the lists of vessels... a vast amount of purely fictitious tonnage, which have been carried forward from year to year although thousands of vessels which this tonnage originally represented had been meanwhile lost at sea, broken up, or sold abroad." (See Treasury Report, 1869, p. 342.)

In the "balance sheets of tonnage" published annually in the source volumes, clearances of cumulative error are generally identified as "not heretofore credited" to distinguish them from listings of removals of the various types routinely reported as having occurred during the given year.

Some of the more important clearances of this cumulative error, and the tons of shipping thereby removed, were: 1800–1901, 197,000; 1811, amount not stated but the effect is evident in series Q 418; 1818, 182,000; 1829–1830, 604,000; 1837, 96,000; 1841–1842, 267,000; and 1855–1858, 945,000.

In later years, the terms "obsolete," "obsolete, not heretofore reported," and "correction of balance" found in annual balance sheets of tonnage, frequently reflect removal of cumulative errors. Examples are (in tons): 1864, 188,000; 1866, 1,063,000; 1867, 260,000; 1868, 128,000; 1869, 338,000; 1870, 58,000; 1871, 103,000; 1881, 157,000.

Other factors which require that early merchant-vessel statistics should be used with some caution are the following: (1) In some instances, systematic differences in identically described statistical series appear in the source volumes (see text for series Q 433-437) which reflect conflicting series of figures, possibly originating from different primary sources of data (see table II below); (2) transcription and typographical errors have crept into historical tables in the source volumes in the process of repeated recopying and retype-setting; (3) statistically significant footnotes which appeared in early reports frequently were dropped in later years; and (4) caution is suggested in referring back to the earlier volumes in the search for explanations of discrepancies or major changes, since the earlier data may reflect the same or similar errors.

In this volume (see table II below), a number of the copying and typesetting errors have been corrected where the exact nature of the discrepancy could be determined beyond reasonable doubt; several broad differences in figures have been pointed out; and a few detailed tabular notes have been added based on information in various annual issues selected largely at random.

Table II. Merchant Marine Tonnage-Changes in Figures From Those Shown in Source

[Source is Merchant Marine	Statistic	s, 19 3 6]	
Series No.	Year	In source volume	In this volume
Q 417Q 418	1868	1 28,118	128,167
	1886	2 4,131,116	34,131,136
	1868	4,318,309	4,351,758
	1817	4 1,339,912	51,399,912
	1815	1,368,182	1,368,128
Q 419	1928	14,343,679	14,346,679
	1913	5,335,541	5,333,247
	1851	582,607	583,607
Q 425	1868	2,475,067	2,508,516
	1863	4,357,537	4,579,537
	1824	1,367,453	1,367,553
	1817	1,330,986	1,390,986
Q 426	1921	1,232,728	1,242,728
	1913	1,043,347	1,045,641
	1928	14,064,199	14,064,119
	1858	2,301,408	2,301,148
	1818	589,944	589,954
Q 430	1927	9,432,869	9,532,869
	1856	2,447,663	2,247,663
	1833	101,666	101,636
Q 432	1879	79,855	79,885
	1878	86,447	86,547
	1841	77,783	77,873
	1831	170,189	107,189
Q 435	1893	134,308	134,368
	1894	37,824	37,827
	1901	83,743	83,783
	1895	6,978	6,948
Q 459	1895	87,127	67,127
	1894	90,099	80,099
	1885	12,010	121,010
Q 460	1917	52,536	52,526
	1881	54,888	54,488
	1881	59,801	59,861
Q 463	1914	64,523	64,550
	1910	184,239	174,239
	1892	60,710	60,770
	1936	12,511,777	12,511,523
Q 482	1868	3,141,540	3,174,935
	1876	1,447,844	1,147,844
	1873	1,051,991	1,055,019
	1868	1,012,749	1,046,198
Q 483	1873	2,242,890	2,242,862
	1868	1,962,279	1,962,225

Q 414-416. Employment on U.S. flag merchant vessels-basic wage scale for able-bodied seamen, 1929-1970.

Source: U.S. Maritime Administration, Seafaring Wage Rates, and unpublished data.

Seamen on both coasts receive extra pay for Saturdays and Sundays at sea. Beginning November 1955, West Coast incorporated this extra pay into base wages but East Coast did not. Monthly wage rate represents basic wage, over and above subsistence (board and room), paid to seamen having qualifying experience and employed on U.S. flag merchant vessels.

See also general note for series Q 414-505.

Q 417-432. Documented merchant vessels, by major classes, material of which built, and trade, 1789-1970.

Source: U.S. Bureau of Marine Inspection and Navigation, Merchant Marine Statistics, 1936 and 1965 (annual report now published by the U.S. Coast Guard), and U.S. Bureau of Customs, unpublished data. (Series Q 427-428, 1884, U.S. Department of the Treasury, Annual Report of Commission of Navigation, 1884, p. 161.)

See also general notes for series Q 413-564 and Q 414-505.

For 1789-1793, tonnage figures are the "duty tonnage," i.e., the tonnage of vessels on which duties were collected during the year. (See American State Papers, cited above in general note for series Q 414-505, vol. 1, p. 895.) The "duty tonnage" appears to have been the tonnage on which duties were collected on registered vessels, including "the repeated voyages of the same vessel," plus tonnage of the enrolled and licensed vessels which paid tonnage duties once each year. (See American State Papers, vol. 1, pp. 494, 498, 528.) Beginning in 1794, "district tonnage returns" were used, derived from reports of District Collectors of Customs, which gave the tonnage of vessels in each district based on registers, enrollments, and licenses outstanding, as of December 31.

For 1794-1801, figures are district tonnage returns, with no attempt to correct for the cumulative error caused by failure to remove vessels lost, abandoned, sold to aliens, etc. (See American State Papers, vol. 1, pp. 494, 499.) The figures for 1800-1801 ignore the first clearing of tonnage accounts which took place during these years. (See American State Papers, vol. 1, pp. 494-499, 527-531.) The correction for the cumulative error for registered vessels only would reduce the 1800 total to 819,571 tons and the 1801 total to 903,235 tons. The sharp drop attributable to the clearing of tonnage accounts would thereby be shifted back to 1800 instead of appearing

For 1802-1818, the figures in series Q 418 consist of the "corrected registered" tonnage plus the uncorrected enrolled or licensed tonnage (see 1813 tonnage report in American State Papers, vol. 1, p. 1017). The figures for 1811 and 1818 reflect two additional attempts to clear out the cumulative error of registered vessels improperly retained on the registers. (See American State Papers, vol. 1, pp. 876, 958, and vol. 2, p. 406.)

The figures shown below in table III are those which were derived by a method authorized by Secretary of the Treasury Gallatin. They were reported to Congress in the annual tonnage reports in American State Papers as being the "actual" or "more nearly correct" tonnage.

Table III. "Actual Tonnage" of Documented Vessels: 1800 to 1818 [In thousands of gross tons]

Year	Tons	Year	Tons
1818	1,150 1,341 1,264 1,262 1,029 1,032 1,127 1,131 1,329 1,266	1808 1807 1806 1805 1804 1803 1802 1801	1,173 1,208 1,166 1,085 983 917 865 850 768

These were obtained by taking the "corrected registered tonnage" and adding to it the "duty tonnage" for enrolled and licensed vessels. Since duties were paid only once each year on enrolled and licensed vessels, and owners were not likely to pay duties on nonexistent vessels, it was reasoned that the lower "duty tonnage" figure more accurately reflected the true total for the enrolled or licensed craft than did the district returns of tonnage based on outstanding marine documents. This correction for enrolled and licensed craft was dropped after 1818, probably because, beginning 1819, the "duty tonnage" for this group exceeded the district tonnage returns for the group.

In American State Papers, vol. 1, p. 499, the tonnage described as "actual tonnage" in the comparative table for 1794-1799 is, in fact, the district returns of tonnage without correction of any kind. Elsewhere in the tonnage report for 1800 (pp. 494-499), and in tonnage

Number of vessels.
 As shown in table 10, p. 16, of source.
 As shown in table 16, p. 30, of source.
 As shown in table 10, p. 14, of source.
 As shown in table 16, p. 28, of source.

reports for later years, the term "actual tonnage" normally means the district returns based on outstanding marine documents (registers, enrollments, and licenses) corrected for cumulative error. In table III, the term "actual tonnage" is used in the latter sense; the figures are from annual tonnage reports, 1800–1818, in *American State Papers*, vols. 1 and 2.

Q 427-428, vessels, by material of which built. The source publication also classifies tonnage of each material by type of propulsion (steam, motor, sail, canalboat, and barge).

Q 429-432, vessels, by trade in which engaged. The source publication also presents the number of vessels engaged in each type of trade as well as tonnage. The statutes do not recognize for documenting purposes any fisheries except the cod, mackerel, and whale. Vessels engaged in catching any other fish, such as salmon or menhaden, are documented for the mackerel fishery.

Figures in early reports identified as "registered," or as "registered in foreign trade," commonly include the registered vessels engaged in the whale fishery. Accordingly, figures on "whale fishery" found in early reports should be examined carefully to determine whether they represent the entire whaling fleet or only the "enrolled or licensed" portion. The term "fisheries" as used in early volumes refers to cod and, later, to cod and mackerel fisheries. It rarely includes the whale fishery.

In terms of documentation as "registered," "enrolled," "licensed," series Q 429-432 are composed broadly as follows:

Series Q 429 (foreign trade) represents the total "registered" minus "registered whale fishery." The "registered" whaling tonnage is, however, included for 1794–1798.

Series Q 430 (coastwise and internal) represents the portion of the enrolled or licensed group engaged in this trade. The rest of the enrolled or licensed group is in series Q 432 (cod and mackerel fisheries).

Series Q 431 (whale fishery) is the "registered whale fishery" portion of the registered fleet plus the "whale fishery" portion of the enrolled or licensed fleet. For 1794–1798, however, the registered whaling tonnage is not included here, but in series Q 429.

Series Q 432 (cod and mackerel fishery) is the cod and mackerel fishery portion of the enrolled or licensed fleet. The rest of the enrolled or licensed group is in series Q 430 (coastwise and internal).

Q 433-437. Merchant vessels built and documented, by type, 1797-1964.

Source: See source for series Q 417-432.

The source publication also presents statistics separately for steam, motor, and sailing vessels, canalboats, and barges. Statistics for motor vessels begin in 1893.

Beginning 1938, figures are not comparable with those for earlier years and are probably understated. They represent those vessels built during the 12-month period which were still existent and documented as part of the merchant fleet at the end of the period. Hence, they exclude vessels completed during the period which were lost, sold to U.S. Government, sold to aliens, or otherwise removed from merchant vessel documentation before the end of the period.

See also general notes for series Q 413-564 and Q 414-505.

Q 438-448. Merchant vessels completed by U.S. shipyards, 1914-1970.

Source: 1914-1960, American Bureau of Shipping, New York, *The Bulletin*, annual issues. 1961-1970, U.S. Maritime Administration, *New Ship Construction*, annual issues.

See general notes for series Q 413-564 and Q 414-505.

Q 449-458. Shipbuilding in private shipyards—summary, 1949-1970.

Source: Shipbuilders Council of America, Washington, D.C., Annual Report, various issues.

Q 459-463. Gross tonnage of merchant vessels built and documented, by region, 1840-1936.

Source: U.S. Bureau of Marine Inspection and Navigation, Merchant Marine Statistics, 1986, pp. 46-48, and table 2.

See general notes for series Q 413-564 and Q 414-505.

Q 464-466. Gross tonnage of merchant vessels built and documented, by region, 1817-1850.

Source: U.S. Department of the Treasury, fold-in table on the history of shipbuilding (1817-1868) at back of the Annual Report of the Secretary of the Treasury, 1868.

Source also presents figures separately for "The United States," "The Lakes," and "Western Rivers." For a discussion of these data see the *Annual Report*. The source table, with a more detailed discussion appears as Plate XXII in H.R., Ex. Doc. No. 111, 41st Congress, 2d session, where the period covered is extended to 1869, and as Plate X (extended to 1870) in H.R. Ex. Doc. No. 76, 41st Congress, 3d session. These three series do not add to series Q 434.

See also general notes for series Q 413-564 and Q 414-505.

Q 467-472. Vessels repaired or converted in private shipbuilding and ship repair yards, 1943-1970.

Source: See source for series Q 449-458.

Q 473-480. Merchant vessels launched and owned—world and United States, 1895-1970.

Source: Lloyd's Register of Shipping, London, England, Statistical Tables, annual issues; and Annual Summary of Merchant Ships Launched in the World, various issues. (copyright.)

Q 481-486. Documented merchant vessels, by geographic region, 1816-1965.

Source: See source for series Q 417-432.

See general notes for series Q 413-564 and Q 414-505.

Q 486a. Documented merchant vessels, western rivers (Haites), 1811-1868.

Source E. F. Haites, J. Mak, and G. M. Walton, Western River Transportation During the Era of Early Internal Improvements, 1810–1860, Johns Hopkins University Press, 1975, Appendix B (copyright).

This series was calculated by the authors from W. M. Lytle, Merchant Steam Vessels of the United States 1807–1868, Mystic, Conn., The Steamship Historical Society of America, 1952, and Supplements 2 (1954) and 3 (1958), edited by F. R. Holdcamper.

The Lytle List is an alphabetical listing of steamboats based on the original records for documented merchant vessels constructed in the United States between 1807 and 1868. The entry for each steamboat includes its gross measured tonnage (by the pre-1865 calculation), year of construction, port of construction, and year of termination of service. Steamboats operating on the western rivers during this era were of a special design. Steamboats not built on the western rivers were not well suited to operate there; steamboats built to operate there generally did not leave the river system. The western river steamboats were, therefore, isolated on the basis of their port of construction. The number and tonnage of the western river steamboats starting and terminating service each year was then calculated and these series were combined to give the tonnage in operation at the end of the calendar year.

Series Q 486a differs from series Q 486 primarily in the treatment of the steamboats that ceased operation. Figures for series Q 486a exclude steamboats in the year during which they ceased to operate. Figures for series Q 486 exclude such steamboats only at irregular intervals.

See also general notes for series Q 413-564 and Q 414-505.

Q 487-502. U.S. flag merchant vessels, steam and motor, 1934-1970.

Source: U.S. Maritime Administration, Employment Report of United States Flag Merchant Fleet Oceangoing Vessels 1,000 Gross Tons and Over. annual issues.

See general notes for series Q 413-564 and Q 414-505.

Q 503-505. Documented merchant vessels, by type of service, 1934-1970.

Source: See source for series Q 417-432.

Series Q 505 includes cable, cod, dredging, elevator, ferry, fireboat, fishing, ice breaker, lightering, oil exploitation, oystering, passenger, pile driving, pilot boat, police boat, patrol boat, refrigerator, towing, waterboat, whaling, welding, wrecking, and miscellaneous. The source presents details for each of these in recent years.

See also general notes for series Q 413-564 and Q 414-505.

Q 506-517. General note.

Net tonnage capacity, as used here, refers to net or registered tonnage of the vessel, not weight of cargo. The net tonnage is what remains after deducting from the gross tonnage (defined in general note for series Q 414-505) the spaces occupied by the propelling machinery, fuel, crew quarters, master's cabin, and navigation spaces. It represents, substantially, space available for cargo and passengers. It is the usual basis for tonnage taxes and port charges. The net tonnage capacity of a ship recorded as "entered with cargo" may bear little relation to actual weight of cargo. Gross tonnage and net tonnage are both measures of cubic capacity, not of weight, 100 cubic feet equaling 1 ton. These terms should not be confused with the cargo ton of 2,000 pounds. Tonnage figures shown in series Q 507 and Q 513 for U.S. vessels entered and cleared, respectively, in foreign trade are greater than the total tonnage of U.S. vessels documented for the foreign trade because the "entered" and "cleared" series include tonnage for each vessel as often as it "enters" or "clears" each year. The documented tonnage, series Q 418, includes the tonnage of each vessel once for each year.

These figures include the tonnage of all types of watercraft engaged in the foreign trade, whether entering or clearing with cargo or in ballast, which are required to make formal entrance and clearance under U.S. customs regulations. Vessels engaged in trade on the Great Lakes with Canada as well as in trade with Mexico are also included. Vessels touching at a U.S. port in distress or for other temporary causes without discharging cargo, and Army and Navy vessels carrying no commercial cargo, are not required by customs regulations to enter or clear and thus are not included in the figures.

Vessels are reported as entered at the first port in the United States at which entry is made, regardless of whether any cargo is unladen at that port; arrivals at subsequent ports are not counted. Vessels are reported as cleared from the last port in the United States where loading of outward cargo is completed or where the vessel cleared in ballast; departures from prior ports are not counted.

Q 506-508. Vessels entered, all ports, 1789-1970.

Source: 1789–1820, Fred J. Guetter and Albert E. McKinley, Statistical Tables Relating to the Economic Growth of the United States, McKinley Publishing Co., Philadelphia, 1924, p. 39 (copyright). 1821–1879, U.S. Bureau of Marine Inspection and Navigation, Merchant Marine Statistics, 1936, p. 93. 1880–1940, Statistical Abstract of the United States, 1880–1888, 1908 edition, p. 286; 1889–1916, 1916 edition, p. 338; 1917–1930, 1931 edition, p. 474; 1931–1940, 1947 edition, p. 558. (See general note for series Q 413–564 for the various agencies which have issued the Statistical Abstract.) 1941–1946, U.S. Bureau of the Census, Foreign Commerce and Navigation of the United States, various issues; 1947–1970, same agency, Vessel Entrances and Clearances, Summary Report FT 975, various issues, and unpublished data.

Q 509. Total vessels entered at seaports, 1840-1970.

Source: Statistical Abstract of the United States. 1840, 1946 edition, p. 546; 1844-1855, 1878 edition, p. 134; 1856-1879, 1880 edition, p. 138. 1880-1970, see source for series Q 506-508.

Q 510-511. U.S. and foreign vessels entered at seaports, 1856-1970.

Source: 1856-1879, see source for series Q 509; 1880-1970, see source for series Q 506-508.

Q 512-514. Vessels cleared, all ports, 1821-1970.

Source: See sources cited for specific periods for series Q 506-508. The following page numbers apply, respectively, to the sources cited for 1821-1940: 93, 287, 475, 558, and 592.

Q 515. Total vessels cleared at seaports, 1840-1970.

Source: Statistical Abstract of the United States. 1840 and 1850, 1946 edition, p. 546; 1853-1879, 1881 edition, p. 138. 1880-1970, see source for series Q 506-508.

Q 516-517. U.S. and foreign vessels cleared at seaports, 1857-1970.

Source: 1857-1879, Statistical Abstract of the United States, 1881, p. 136; 1880-1970, see source for series Q 506-508.

Q 518-523. Value of waterborne imports and exports (including reexports) of merchandise, 1790-1970.

Source: 1790–1820, see source for series Q 506–508; 1821–1858, U.S. Bureau of Marine Inspection and Navigation, Merchant Marine Statistics, 1936, p. 91; 1859–1935, Statistical Abstract of the United States, 1859–1866, 1895 edition, pp. 399–400; 1867–1912, 1913 edition, pp. 318–319; 1913–1923, 1924 edition, p. 417; 1924–1935, 1946 edition, p. 552. (See general note for series Q 413–564 for the various agencies which have issued the Statistical Abstract.) U.S. Bureau of the Census, 1943–1946, Foreign Commerce and Navigation of the United States, annual issues, 1947–1950, Waterborne Trade by United States Port, FT 972, annual issues, 1951–1970, Waterborne Foreign Trade Statistics, FT 985, annual issues (title changed to U.S. Waterborne Foreign Trade in July 1965).

The primary source of figures for 1790–1820 is J. R. Soley, "The Maritime Industries of America," The United States of America (N. S. Shaler, Editor), vol. II, 1894, pp. 522–527, 534, 536, 538. The report gives the percent of imports and exports in U.S. vessels. Guetter and McKinley (cited above for series Q 506–508) have derived absolute figures by applying these percentages to total imports and exports of merchandise and specie. The primary source of figures for 1821–1935 is Foreign Commerce and Navigation of the United States, annual issues. Starting with 1943, import or export statistics by method of transportation, showing shipping weight as well as dollar value, have been compiled by the Bureau of the Census. See also general note for series U 187–352.

Q 524-529. Tonnage of waterborne imports and exports, by flag of carrier vessel, 1921-1970.

Source: U.S. Bureau of the Census, 1921-1945, Foreign Commerce and Navigation of the United States, annual issues; 1946-1957, releases and unpublished data; 1958-1970, Statistical Abstract of the United States, various issues.

Excludes cargoes (small in the aggregate) carried by ships of less than 100 tons gross capacity prior to 1946. Beginning 1946, excludes Army and Navy cargo, and includes Alaska, Hawaii, and Puerto Rico. Beginning July 1950, excludes commodities classified for security reasons as "special category." From July 1953 to December 1955 and July 1956 through December 1962, exports exclude shipments under \$500 in value regardless of shipping weight; for January—

June 1956, exports exclude shipments under \$1,000. For 1963 and later years, exports exclude shipments to Canada individually valued under \$2,000 and to other countries under \$500. Under \$100 shipments are excluded for all years. Beginning 1954, imports exclude shipments under 2,000 pounds shipping weight regardless of value, as well as shipments valued at less than \$100 regardless of shipping weight. For January 1960 through June 1965, imports exclude formal entry shipments valued at less than \$100 and informal entry shipments valued under \$251. For July—December 1965 and later years, imports exclude all shipments under \$251.

Q 530-541. Waterborne cargo tonnage, foreign and domestic, 1924-1970.

Source: U.S. Corps of Engineers, 1924-1946, Annual Report of the Chief of Engineers, part 2; 1947-1970, Waterborne Commerce of the United States, 1971, part 5, National Summaries, pp. 5 and 6.

In 1954, part 2 of the Annual Report was superseded by a separate publication entitled Waterborne Commerce of the United States (published in several regional parts). Part 5 of this report, National Summaries, presents separate figures for series Q 534-535 for "Canadian" and "overseas."

Cargo tonnage refers to the weight of cargo and should not be confused with gross tonnage shown in series Q 417-505 or the net or registered tonnage capacity shown in series Q 506-517, which are measures of cubic capacity, not of weight. See also text for those series.

Domestic commerce includes all commercial movements between points in the United States, Puerto Rico, and the U.S. Virgin Islands. Traffic with the Canal Zone is treated as foreign commerce.

Foreign commerce includes all movements between the United States and foreign countries, and between Puerto Rico and the U.S. Virgin Islands (considered a single unit) and foreign countries. Trade between U.S. outlying areas (Guam, Wake, American Samoa, etc.) and foreign countries is excluded.

"Coastwise" commerce, series Q 537, refers to domestic traffic receiving a carriage over the ocean, or the Gulf of Mexico; and to traffic between Great Lakes ports and seacoast ports, when having a carriage over the ocean.

"Lakewise" commerce, series Q 538, refers to traffic between U.S. ports on the Great Lakes System.

"Local and intraport" commerce, series Q 539, refers to movements of freight within the confines of a port whether the port has only one or several arms or channels, except car-ferry and general ferry. The term is also applied to marine products, sand, and gravel taken directly from the Great Lakes.

"Internal" commerce, series Q 540, covers traffic between ports or landings where the entire movement takes place on inland waterways; movements involving carriage on both inland waterways and waters of the Great Lakes; inland movements that cross short stretches of open waters which link inland systems; marine products, sand, and gravel taken directly from beds of the oceans, the Gulf of Mexico, and important arms thereof; and movements between offshore installations and inland waterways.

"Intraterritory" commerce, series Q 541, refers to traffic between ports in Puerto Rico and the U.S. Virgin Islands, which are considered as a single unit.

Q 542-547. Waterborne bulk freight traffic on the Great Lakes, 1900-1970.

Source: Lake Carriers' Association, Annual Report, 1970, pp. 51-52 and 76-77 (copyright).

Includes tonnage moving to or from Canadian or U.S. lake ports, in Canadian or U.S. bulk carriers.

Q 548-552. Freight traffic on the Sault Ste. Marie canals, 1855-1900.

Source: U.S. Corps of Engineers, Statistical Report of Lake Commerce Passing Through Canals at Sault Ste. Marie, 1931.

These series include traffic moving through the American and Canadian canals. Figures for later years may be obtained from various issues of Corps of Engineers, Annual Report, part 2, Commercial Statistics. They are not shown here because they pertain only to traffic between Lake Superior and the other lakes; series Q 542-547, therefore, provide more comprehensive totals of Great Lakes traffic.

Q 553-555. Commercial ocean traffic on the Panama Canal, 1915-1970.

Source: 1915-1924, Governor of the Panama Canal, Annual Report, 1948, p. 10; 1925-1970, Panama Canal Company, Annual Report, various issues (copyright).

Does not include U.S. Government traffic.

Q 556-557. Tonnage moved on New York State canals, 1837-1970.

Source: State of New York, Department of Public Works, Annual Report of the Superintendent, annual issues, and unpublished data.

Q 558. Federal expenditures for rivers and harbors, 1822-1970.

Source: 1822-1882, Statement of Appropriations and Expenditures for Public Buildings, Rivers and Harbors, Forts, Arsenals, Armories, and Other Public Works from March 4, 1789 to June 30, 1882, U.S. Senate Ex. Doc., vol. 7, No. 196, 47th Congress, 1st session (Treasury Department Doc. No. 373), pp. 521-522; 1883-1919, Federal Works Agency, records (compiled from Treasury Department accounts); 1920-1970, U.S. Corps of Engineers, Annual Report of the Chief of Engineers on Civil Works Activities, vol. I, annual issues.

Figures include expenditures for rivers, harbors, and flood control prior to 1928. In 1928, expenditures for flood control amounted to less than \$13,500,000. Figures for 1929–1970 exclude expenditures for flood control. The figures include amounts expended from emergency relief and Public Works Administration funds, 1933–1937, but exclude \$5,500,000 for purchase of Cape Cod Canal, 1928, expended by and accounted for by the Treasury Department.

Q 559-564. Investment in canals, by region and agency of enterprise, 1815-1860.

Source: H. Jerome Cranmer, "Canal Investment, 1815–1860," Studies in Income and Wealth, vol. 24, National Bureau of Economic Research, New York, 1960, pp. 555 and 556. (Copyright, Princeton University Press.)

The development of data on annual canal investment was based on an averaging process applied to the experience of a sample of 24 canals for which annual expenditure figures were available. For a list of those canals and description of the estimating operations, see source.

Adjusted estimates of annual expenditures were made for every canal or canal system undertaken between 1815 and 1860. Expenditures for river and harbor improvements were not included, nor for slack water navigation except when the expenditures were part of a canal project. The estimates were then aggregated by region and by agency of enterprise within each region. The regional estimates were then aggregated to provide estimates of annual investment in canals for the entire United States, together with estimates for State and private enterprise.

The Northeast consists of the New England and Middle Atlantic States, including Maryland and the District of Columbia. The South encompasses the area south of the Potomac and Ohio Rivers; and the West, the region north of the Ohio River, except that the Louisville and Portland canal which, though actually located in Kentucky, south of the Ohio River, is included in the West region.

Series Q 413. Persons Entering the United States by Ship: 1933 to 1970

[In thousands. For years ending June 30. Covers persons disembarking, as reported on U.S. Customs Service forms, and differs from series C 315]

Year	Persons entering	Year	Persons entering	Year	Persons entering	Year	Persons entering
	413		413		413		413
1970 1969 1968 1967 1966	723 728 715 719 767	1960	773 762 781 848 842	1950	762 676 641 548 1,660	1940	733 1,019 1,072 1,011 898
1965 1964 1963 1962	782 1 847 743 677 805	1955	843 845 865 900 723	1945 1944 1943 1942 1941	1,286 676 389 305 443	1935 1934 1933	812 754 795

^{*} Denotes first year for which figures include Alaska and Hawaii.

Series Q 414-416. Employment on U.S. Flag Merchant Vessels—Basic Wage Scale for Able-Bodied Seamen: 1929 to 1970

[Except as indicated, employment data as of June 30 and wage rate data as of June 16]

Date	Employment ¹ (1,000)	Date	Employment ¹ (1,000)	Date	East coast monthly wage rate 4	Date	West coast monthly wage rate 4
	414		414		415		416
1970 1969 1968 1967 1966 1965 1964 1963 1962 1961	47.5 54.2 54.6 51.9 2 39.1 48.0	1949 1948 1947—Dec. 20 1946—June 20 1945—June 20 1944—June 20 1943—June 20 1942 1941	82.1 110.8 120.1 158.9 125.3 75.0 47.4 51.3	1970—Jan 1969—Jan 1968 1967 1966 1965 1964 1963 1962 1961	393 393 393 393 393 393 393	1970—Jan 1969—Jan 1968 1967 1966 1965 1964 1963 1962 1961	600 600 578 558 539 522 522 522
1960	51.5 61.1 57.2 57.5 55.8 69.1 70.7 69.5	1940 1939 1938 1937 1936 1935 1935 1934 1933 1932 1931 1930 1929	49.8 59.2 57.2 56.3 * 54.6 * 52.6 * 57.2 * 62.4	1960—Jan	353 353 333 314 314 302 2257	1960—Oct	478 478 478 453 432 302 314 302 249

 $^{^{\}rm I}$ Estimates of personnel employed on U.S. merchant ships, 1,000 gross tons and over. Excludes vessels on inland waterways, Great Lakes, and those owned by, or operated for, the U.S. Army and Navy, and special types such as cable ships, tugs, etc.

Series Q 417-432. Documented Merchant Vessels, by Major Classes, Material of Which Built, and Trade: 1789 to 1970

[Gross tonnage of documented vessels of 5 tons or more. As of December 31, 1789-1834; September 30, 1835-1842; June 30, 1843-1940; January 1 thereafter]

								Gross	tonnage (1,000)						
						Major	classes				Mate which	rial of built	Т	rade in wh	nich engag	ged.
Year	Number of vessels	Total			Steam		м	otor		_						
rear			Steam and motor, total	Total 1	Coal burning 1	Oil burning ¹	Total ²	Diesel and semi- Diesel engines ¹	Sailing 3	Canal- boats and barges	Metal 4	Wood	For- eign	Coast- wise and internal	Whale fish- eries	Cod and mackerel fisheries
	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432
1970 1969 1968 1967	49,993 49,991 49,545 48,700 47,223	28,613 28,455 27,932 27,251 26,522	19,074 19,433 19,396 (NA) (NA)	16,447 16,868 16,871 (NA) (NA)			2,627 2,565 2,525 (NA) (NA)		6 6 6 (NA) (NA)	9,533 9,016 8,530 (NA) (NA)						
1965	45,579 44,669 44,077 43,566 43,367	26,516 26,160 25,691 25,456 26,403	19,730 20,018 20,079 20,076 21,175	17,560 17,896 17,987 17,990 19,125	1,497 1,664 1,760 1,903 2,049	16,063 16,232 16,226 16,088 17,076	2,170 2,122 2,092 2,085 2,050	2,040 1,988 1,952 1,942 1,902	8 17 18 18 18	6,778 6,125 5,595 5,362 5,210	25,318 24,900 24,377 24,107 25,028	1,198 1,260 1,314 1,349 1,375	12,628 12,580 12,289 12,393 13,126	13,839 13,276 13,089 12,775 13,260	1 1 1 1	1 1 1 1 1

¹ Includes Puerto Rico.

² Decrease due to seafaring strike. ³ Average monthly employment. ⁴ Seamen on both coasts receive extra pay for Saturdays and Sundays at sea. Beginning 1955, West Coast incorporated this extra pay into base wages but East Coast did not.

Series Q 417-432. Documented Merchant Vessels, by Major Classes, Material of Which Built, and Trade: 1789 to 1970—Con.

								Gross	tonnage (1	1,000)						
	_					Major	classes				Mater which		т	rade in wh	ich engag	ged
Year	Number of vessels	Total			Steam	:	Mo	otor								
7041	Velakid		Steam and motor, total	Total 1	Coal burning 1	Oil burning ¹	Total ?	Diesel and semi- Diesel engines ¹	Sailing 3	Canal- boats and barges	Metal 4	Wood	For- eign	Coast- wise and internal	Whale fish- eries	Cod and mackerel fisheries ⁵
	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432
1960 1959 1958 1957 1956	43,088 42,409 41,276 40,191 39,499	28,581 28,895 28,586 29,421 29,610	23,553 24,333 24,599 25,785 26,251	21,526 22,306 22,596 23,788 24,210	2,125 2,176 2,171 2,190 2,204	19,401 20,131 20,426 21,597 22,005	2,027 2,027 2,002 1,998 2,041	1,876 1,871 1,844 1,836 1,886	23 23 23 24 34	5,005 4,539 3,965 3,612 3,326	27,184 27,470 27,118 27,935 28,073	1,397 1,425 1,469 1,486 1,537	14,737 15,600 16,206 17,265 17,765	13,833 13,284 12,376 12,154 11,843	1 1 1 1 1	1 1 1 1 1
955 954 953 952 951		29,958 30,764 30,546 30,416 30,341	26,792 27,631 27,507 27,459 27,424	24,706 25,489 25,377 25,356 25,390	2,252 2,321 2,387 2,405 2,441	22,454 23,168 22,990 22,951 22,948	2,086 2,142 2,130 2,103 2,033	1,907 1,960 1,951 1,923 1,865	40 46 55 66 71	3,125 3,087 2,984 2,891 2,846	28,336 28,982 28,761 28,559 28,417	1,622 1,782 1,785 1,857 1,924	18,143 18,974 19,007 19,280 18,876	11,812 11,787 11,537 11,134 11,462	1 1 1 1 1	1 2 2 2 2 2
1950 1949 1948 1947 1946		31,215 32,182 33,167 37,832 38,501	28,327 29,323 30,469 35,149 35,928	26,273 27,225 28,401 32,941 33,779	2,507 2,543 2,606 2,699 2,884	23,765 24,682 25,796 30,242 30,895	2,055 2,099 2,067 2,208 2,149	1,885 1,932 1,902 2,058 2,002	82 87 87 95 98	2,806 2,771 2,611 2,588 2,475	29,263 30,212 31,211 35,897 36,571	1,952 1,969 1,956 1,936 1,929	19,154 20,654 22,021 26,535 29,705	12,048 11,525 11,143 11,294 8,791	6 11 1 1 1 1	2 3 3 3 3
945 944 943 942 941		32,813 25,795 16,762 13,860 13,722	30,247 23,217 14,052 11,072 11,047	28,669 21,674 12,547 9,704 9,814	2,931 3,014 3,048 2,965 3,058	25,737 18,660 9,499 6,739 6,756	1,578 1,543 1,505 1,369 1,233	1,493 1,392 1,361 1,218 1,075	115 129 142 166 182	2,452 2,449 2,568 2,621 2,493	30,898 23,837 14,647 11,641 11,393	1,915 1,959 2,115 2,218 2,329	26,043 18,685 9,285 4,109 3,047	6,766 7,105 7,471 9,744 10,654	1 1 2 2 14	3 4 5 6 7
1940 1939 1938 1937 1936		14,018 14,632 14,651 14,676 14,497	11,353 11,952 12,007 12,170 12,267	10,102 10,760 10,835 11,055 11,161	3,159 3,250 3,325 3,322 3,371	6,943 7,510 7,510 7,559 7,617	1,251 1,192 1,172 1,115 1,105	1,090 1,028 1,005 878 867	200 221 261 312 379	2,466 2,459 2,384 2,194 1,851	(NA) 12,159 12,130 12,233 12,263	(NA) 2,473 2,521 2,443 2,234	3,638 3,312 3,551 3,833 4,159	10,352 11,288 11,064 10,798 10,300	20 21 21 20 9	8 11 16 25 28
935 934 933 932 931		14,654 14,862 15,060 15,839 15,908	12,535 12,687 12,862 13,568 13,528	11,433 11,599 11,788 12,499 12,475	3,496 3,539 3,615 3,991 4,103	7,748 7,860 7,971 8,308 8,202	1,102 1,087 1,075 1,069 1,053	841 824 812 810 792	441 500 563 625 673	1,677 1,675 1,635 1,646 1,707	12,469 12,601 12,736 13,421 13,344	2,185 2,261 2,324 2,417 2,565	4,560 4,598 4,701 5,071 5,576	10,049 10,220 10,313 10,728 10,286	9 9 9 2 7	35 35 37 38 40
930 929 928 927 926		16,068 16,477 16,680 16,888 17,311	13,757 14,162 14,344 14,507 14,848	12,775 13,301 13,614 13,874 14,318	4,209 4,462 4,557 4,919 5,370	8,429 8,751 9,002 8,907 8,895	982 861 730 633 530	715 609 494 397 293	757 825 915 989 1,092	1,554 1,490 1,421 1,392 1,371	13,514 13,910 14,064 14,160 14,473	2,554 2,567 2,619 2,728 2,838	6,296 6,906 6,934 7,309 7,719	9,723 9,526 9,706 9,533 9,552	7 7 7 8 3	42 39 36 38 38
925		17,406 17,741 18,285 18,463 18,282	14,976 15,315 15,821 15,982 15,745	14,495 14,870 15,426 15,607 15,371	5,512 5,921 6,556 6,908 7,069	8,931 8,947 8,870 8,699 8,302	481 445 397 375 374	254 128 17 16 15	1,125 1,185 1,254 1,288 1,294	1,304 1,240 1,209 1,193 1,243	14,499 14,627 14,775 14,805 14,426	2,907 3,114 3,510 3,658 3,856	8,151 8,794 9,069 10,720 11,077	9,216 8,911 9,177 7,703 7,163	4 8 4 4 4	35 32 35 36 37
920	28,183 27,513 26,711 26,397 26,444	16,324 12,907 9,925 8,871 8,470	13,823 10,416 7,471 6,433 6,070		7,551				1,272 1,200 1,210 1,278 1,311	1,228 1,292 1,244 1,159 1,089	12,448 9,236 6,814 5,856 5,476	3,876 3,671 3,110 3,015 2,994	9,925 6,665 3,599 2,441 2,185	6,358 6,201 6,282 6,393 6,245	4 4 4 6 7	38 36 38 32 33
915	26,701 26,943 27,070 26,528 25,991	8,389 7,929 7,887 7,714 7,639	5,944 5,428 5,333 5,180 5,074						1,384 1,433 1,508 1,539 1,598	1,061 1,069 1,046 995 967	5,305 4,733 4,608 4,433 4,299	3,085 3,196 3,278 3,282 3,340	1,863 1,066 1,019 923 863	6,486 6,818 6,817 6,737 6,720	9 10 9 9	32 34 42 45 46
910	25,740 25,868 25,425 24,911 25,006	7,508 7,389 7,365 6,939 6,675	4,900 4,749 4,711 4,279 8,975						1,655 1,711 1,761 1,814 1,899	952 928 893 845 801	4,117 3,925 3,860 3,438 3,115	3,391 3,464 3,505 3,501 3,560	783 879 930 861 928	6,669 6,451 6,372 6,011 5,674	9 9 10 10 11	47 50 54 57 61
905 904 903 902 901	24,558 24,425 24,273	6,457 6,292 6,087 5,798 5,524	3,741 3,595 3,408 3,177 2,921						1,962 1,945 1,966 1,942 1,933	753 751 713 679 670	2,850 2,669 2,440 2,180 1,901	3,607 3,623 3,647 3,618 3,623	944 889 879 873 880	5,442 5,335 5,141 4,859 4,583	11 10 10 9 10	60 58 58 57 52
900 899 898 897 896	22,705 22,633	5,165 4,864 4,750 4,769 4,704	2,658 2,476 2,372 2,359 2,307						1,885 1,825 1,836 1,904 1,928	622 563 542 506 468	1,593 1,376 1,224 1,207 1,090	3,572 3,489 3,526 3,562 3,614	817 837 726 793 830	4,287 3,965 3,960 3,897 3,790	10 11 11 13 15	52 51 52 67 69
.895	23,586 24,512 24,383	4,636 4,684 4,825 4,765 4,685	2,213 2,189 2,183 2,074 2,016						1,965 2,023 2,118 2,178 2,172	458 472 524 512 497	970 930 896 786 742	3,666 3,754 3,930 3,979 3,943	822 900 883 978 989	3,729 3,696 3,855 8,701 3,610	16 16 17 17 17	69 72 71 69 69
1890 1889 1888 1887	23,623 23,281 23,063	4,424 4,307 4,192 4,106 4,131	1,859 1,766 1,648 1,543 1,523						2,109 2,099 2,124 2,170 2,210	456 443 419 393 398	627 554 494 475 444	3,798 3,753 3,698 3,631 3,687	928 1,000 919 989 1,088	3,409 3,211 3,172 3,011 2,939	19 22 24 26 23	68 74 76 80 81

Series Q 417-432. Documented Merchant Vessels, by Major Classes, Material of Which Built, and Trade: 1789 to 1970—Con.

						Gross tonn	age (1,000)				
	Number of			Major classes		Material of	which built		Trade in wh	ich engaged	
Year	vessels	Total	Steam and motor	Sailing 3	Canal- boats and barges	Metal 4	Wood	Foreign	Coastwise and internal	Whale fisheries	Cod and mackerel fisheries
	417	418	419	425	426	427	428	429	430	431	432
1885 1884 1883 1882 1881	23,963 24,082 24,217 24,368 24,065	4,266 4,271 4,235 4,166 4,058	1,495 1,466 1,418 1,856 1,265	2,374 2,414 2,387 2,361 2,350	397 391 436 449 442	430 387		1,263 1,277 1,270 1,259 1,297	2,895 2,884 2,838 2,796 2,646	25 27 32 38 39	83 83 95 78 76
1880 1879 1878 1877 1876	25.264	4,068 4,170 4,213 4,248 4,279	1,212 1,176 1,168 1,171 1,172	2,366 2,428 2,521 2,580 2,609	490 571 524 491 498			1,314 1,452 1,589 1,571 1,554	2,638 2,598 2,497 2,540 2,599	38 40 40 41 39	78 80 87 91 88
1875	32,285 32,486 32,672 31,114 29,651	4,854 4,801 4,696 4,438 4,283	1,169 1,186 1,156 1,112 1,088	2,585 2,474 2,383 2,325 2,286	1,100 1,141 1,156 1,001 909			1,516 1,390 1,379 1,359 1,364	3,220 3,293 3,163 2,930 2,765	38 39 45 52 61	80 78 110 98 93
1870 1869 1868 1867 1866	28,167	4,247 4,145 4,352 4,304 4,311	1,075 1,104 1,199 1,192 1,084	2,363 2,400 2,509 3,113 3,227	808 641 644			1,449 1,496 1,487 1,516 1,388	2,638 2,516 2,702 2,660 2,720	68 70 78 52 105	91 63 84 76 98

			Gross	tonnage (L , 000)						Gross	tonnage (1,000)		
		Major	classes	7	rade in wh	ich engage	ed			Major	classes	7	Crade in wl	ich engage	<u> </u>
Year :	Total	Steam and motor	Sailing	Foreign	Coast- wise and internal	Whale fisheries	Cod and mackerel fisheries	Year	Total	Steam and motor	Sailing	Foreign	Coast- wise and internal	Whale fisheries	Cod and mackerel fisheries
	418	419	425	429	430	431	432		418	419	425	429	430	431	432
1865 1864 1863 1862 1861	5,097 4,986 5,155 5,112 5,540	1,067 978 576 710 877	4,030 4,008 4,580 4,402 4,663	1,518 1,487 1,927 2,174 2,497	3,382 3,245 2,961 2,617 2,705	84 95 99 118 146	113 159 168 204 193	1825 1824 1823 1822 1821	1,423 1,389 1,337 1,325 1,299	23 22 25 23 23	1,400 1,368 1,312 1,304 1,276	665 637 600 583 594	641 642 618 624 615	35 33 41 49 28	81 77 78 69 62
1860 1859 1858 1857 1856	5,354 5,145 5,050 4,941 4,872	868 769 729 706 673	4,486 4,376 4,320 4,235 4,199	2,379 2,322 2,301 2,268 2,302	2,645 2,481 2,401 2,337 2,248	167 186 199 196 189	163 157 149 140 132	1820 1819 1818 1817 1816	1,280 1,261 1,225 1,400 1,872	22 17 13 9 6	1,258 1,243 1,213 1,391 1,366	584 581 590 805 801	588 571 549 525 522	36 32 17 5	72 76 69 65 48
1855 1854 1853 1852 1851	5,212 4,803 4,407 4,138 3,772	770 677 605 643 584	4,442 4,126 3,802 3,495 3,189	2,348 2,152 1,910 1,706 1,545	2,543 2,322 2,134 2,056 1,900	187 182 193 194 182	134 147 169 183 146	1815 1814 1813 1812 1811	1,368 1,159 1,167 1,270 1,233	3 3 2 1	1,365 1,156 1,164 1,268 1,231	854 675 673 759 764	476 466 471 478 420	1 1 3 3 5	37 18 20 30 43
1850 1849 1848 1847 1846	3,535 3,334 3,154 2,859 2,562	526 462 428 405 348	3,010 2,872 2,726 2,434 2,214	1,440 1,259 1,169 1,047 943	1,798 1,770 1,659 1,489 1,316	146 180 193 194 187	152 125 133 109 116	1810 1809 1808 1807 1806	1,425 1,350 1,243 1,269 1,209	(Z) (Z)	1,424 1,350 1,242 1,268 1,209	981 907 765 840 799	405 405 421 349 341	4 4 5 9 11	35 34 52 70 59
1845 1844 1843 1842 1841	2,417 2,280 2,159 2,092 2,131	326 272 237 230 175	2,091 2,008 1,922 1,863 1,956	904 900 857 824 788	1,223 1,110 1,076 1,046 1,107	191 169 153 152 157	98 101 73 71 78	1805 1804 1803 1802 1801	1,140 1,042 949 892 948		1,140 1,042 949 892 948	744 661 586 558 631	333 318 299 290 275	6 12 12 3 3	57 52 52 42 39
1840 1839 1838 1837 1836	2,181 2,096 1,996 1,897 1,882	202 195 193 155 146	1,978 1,901 1,802 1,742 1,737	763 702 703 683 753	1,177 1,154 1,041 957 873	187 132 125 129 146	104 108 127 127 110	1800 1799 1798 1797 1796	972 939 898 877 832		972 939 898 877 832	667 657 603 598 577	272 247 251 237 218	3 6 1 1 2	29 30 43 41 35
1835 1834 1833 1832 1831	1,825 1,759 1,606 1,439 1,268	123 123 102 91 69	1,702 1,636 1,504 1,349 1,198	788 749 649 614 538	797 784 744 650 540	98 108 102 78 83	142 117 111 102 107	1795 1794 1798 1792 ' 1791 '	748 629 521 564 502		748 629 521 564 502	529 439 368 411 363	184 163 122 121 106	3 4	31 23 31 32 33
1830 1829 1828 1827 1826 1826	1,192 1,261 1,741 1,621 1,534	64 54 39 40 34	1,127 1,207 1,702 1,580 1,500	538 593 758 702 696	517 509 843 789 722	40 57 55 46 42	98 102 86 84 74	1790 ⁷ 1789 ⁷	478 202		478 202	346 124	104 69		28 9

NA Not available.
Z Less than 500 tons.
¹ For 1920-1937, tonnage for vessels with electric screw included in total (series Q 420 or Q 423) but excluded from series Q 421, Q 422, and Q 424. Maximum such tonnage included in series Q 420 is 201,246 in 1933 and maximum in series Q 423 is 91,470 in 1934.

² Includes gasoline engines, not shown separately.

³ Includes canalboats and barges prior to 1868.

⁴ Includes iron, steel, composite, concrete, bronze, and aluminum.

⁵ Beginning 1937, excludes mackerel.

⁶ Increase due to documentation of 1 large vessel on Atlantic Coast.

⁷ Figures for 1789 are for ships paying tonnage duties during the last 5 months of the year. Figures for 1790–1792 are for ships paying duties at some time during the year.

Series Q 433-437. Merchant Vessels Built and Documented, by Type: 1797 to 1964
[Gross tonnage of documented vessels of 5 tons or more. As of December 31, 1797-1834; September 30, 1835-1842; June 30, 1843-1940; January 1 thereafter. Includes Alaska, Hawaii, Puerto Rico, Guam, and the Virgin Islands]

	All v	essels		Gross tonnage			All ve	ssels		Gross tonnage	:
Year	Number of vessels	Gross tons	Steam and motor	Sailing 1	Canal- boats and barges	Year	Number of vessels	Gross tons	Steam and motor	Sailing ¹	Canal- boats and barges
	433	434	435	436	437		433	434	435	436	437
1964	1,551 1,365 1,175 877	867.910 942,809 821,431 620,287	265,850 460,442 419,586 388,927 352,271	99 6 94 -	601,961 482,361 401,751 281,360 277,024	1880	902 1,132 1,258 1,029 1,112 1,301	157,410 193,081 235,504 176,592 203,586 297,639 432,725	78,854 86,361 81,860 47,514 69,251 62,460 101,980	59,057 66,867 106,066 106,331 118,672 206,884	19,499 89,803 47,578 22,747 15,663 28,295 114,479
1958 1957 1956 1955	1,180 1,390 1,582 1,385 1,116	629,295 791,640 886,799 585,048 445,617 400,076	352,271 385,874 406,272 248,801 152,359 117,011	- 1 - 8 24	277,024 405,766 430,527 336,247 293,250 283,041	1011	1,100	359,246 209,052 273,227	88,011 62,210 87,842	206,884 216,816 144,629 76,291 97,179	70,551 88,206
1954 1953 1952 1951	1,186 1,190 990 992	589,317 633,966 487,378 308,825	369,016 477,421 313,296 165,064	10 28 - -	220,291 156,517 124,082 143,761	1870 1869 1868 1867 1866	1,618 1,726 1,802 1,518 1,898	276,953 275,280 285,304 305,594 336,1523	70,621 65,066 63,940 72,010 125,183	146,340 149,029 142,742 233,584 210,963 248,090 268,241 216,812	59,992 61,185 78,622
1950	861 978 1,118 1,259 1,275 1,744	194, 370 195, 190 200, 290 267, 331 548, 262 6, 313, 977 8, 032, 009 10, 431, 734 4, 543, 946 647, 097	103,358 85,288 108,206 186,109 509,538 6,258,608 8,009,277 10,339,670	7 39 - 16 7	91,005 109,863 92,084 81,206 38,717	1870 1869 1868 1867 1866 1865 1864 1863 1862 1861	1,789 2,388 1,816 864 1,146	311,045 175,076 233,194	146,433 147,499 94,233 55,449 60,986	248,090 268,241 216,812 119,627 172,208	
1940 2	705	8,032,009 10,431,734 4,543,946 647,097 446,894	8,009,277 10,339,670 4,504,398 586,443 385,681	129 23 14 	55,369 22,603 92,041 39,534 60,654 61,126	1860	1,241 1,443	214,798 156,602 244,712 378,804 469,393	69,370 35,805 65,374 74,459 74,865	145,428 121,297 179,338 804,345 894,528	
1940 ³ 1939 1938 1937	319 673 753 1,939 1,207	193,229 339,899 237,374 471,364 224,084 62,919	172,433 269,188 (NA) 113,661 59,020 30,341	(NA) 17 (NA) 71 79	20,779 70,689 (NA) 357,632 164,985 32,528	1855 1854 1853 1852 1851		588,450 535,616 425,572 351,498 298,203	78,127 91,037 109,402 98,624 78,197	505,323 444,579 816,170 252,869 220,006	
1940 3 1939 1938 1937 1936 1935 1934 1933 1932 1931	748 724 642 722 1,302	62,919 66,649 190,803 212,892 386,906	30,341 26,916 168,488 164,620 212,996	50 33 46 18 52	32,528 39,700 22,269 48,254 173,858	1850 1849 1848 1847 1846 1845	1,360 1,547 1,851 1,598 1,420	272,218 256,577 318,075 243,732 188,203	56,911 61,241 66,652 58,979 51,778 40,926 30,976	215,307 195,336 251,423 189,753 136,425	
1930 1929 1928 1927 1926	1,020 808 969 917 924	254,296 128,976 257,180 245,144 224,673	172,969 75,725 172,901 181,504 140,586	210 797 230 826 263	81,117 52,454 84,049 63,314 83,824	1843 ⁴ 1842 1841	482 1,021 761	188,203 146,018 103,537 63,617 129,083 118,893	29,158 27,941	136, 425 105, 092 72, 561 45, 992 99, 925 90, 950	
1925 1924 1923 1922 1921	967 1,049 770 845 1,361	199,846 223,968 335,791 661,232 2,265,115	141,053 145,498 241,802 597,137 2,071,221	2,869 914 17,442 25,459 91,743	55,924 77,561 76,547 38,636 102,151	1840	871 899 913 972 911 725	118,309 125,260 115,905 125,913 116,230 75,107 118,389	19,811 34,219 23,607 33,811 26,630 12,847	98,498 91,041 92,298 92,102 89,600 62,760	
1920	2,067 1,953 1,528 1,297 937 1,157	3,880,639 3,326,621 1,300,868 664,479 325,413	8,660,023 3,157,091 1,090,996 513,243 250,125	132,184 79,234 83,629 43,185 14,765 8,021	88,432 90,296 126,243 108,051 60,528	1834 1833 1832 1831	957 1,187 1,065 712 648	144,544 85,556	13,905 12,620 17,386 11,437 8,269	148,872 127,158 74,119	
1912 1911	1,505 1,422	325,479 325,122 316,250 346,155 232,669 291,162	518,248 250,125 154,990 224,225 248,408 153,493 227,281	13,749 28,610 21,221 10,092	60,528 62,111 78,276 74,137 57,955 58,839	1830	796 886 951 1,033 1,000	58,560 79,408 98,964 106,456 130,373	10,281 5,881 11,010 12,818 9,171	50,291 69,127 93,083 95,446 117,555 107,293	
1910	1,361 1,247 1,457 1,157 1,221 1,012	342,068 238,090 614,216 471,332 418,745 330,316	257,998 148,208 481,624 865,405 315,707 197,702	19,358 28,950 31,981 24,907 85,209 79,418	64,717 60,932 100,611 81,020 67,829 53,196	1021	010	116,464 92,798 75,857 77,569 57,275	5,216 3,766 1,861 3,017 5,572	107,293 87,582 72,091 75,708 54,258 45,822	
1903 1902 1901	1,184 1,311 1,491 1,580	378,542 436,152 468,831 483,489	255,744 271,781 308,178 273,591	64,908 89,979 97,698 126,165	57,890 74,392 62,955 88,733	1820 1819 1818 1817 1816 1815		86,670 87,346 87,626 135,186 155,579	5,824 3,695 2,543 2,926 546	80,846 88,651 85,083 132,260 155,033	
1900 1899 1898 1897 1895	1,447 1,273 952 891 723 694	393,790 300,038 180,458 232,233 227,097 111,602	202,528 151,058 105,838 106,154 138,029 69,754	116,460 98,073 84,416 64,308 65,236 34,900	74,802 50,907 40,204 61,771 23,832 6,948	1814	490 371 (NA) (NA) (NA)	29,751 32,583 85,148 146,691	593 1,140 118 1,145	29,158 31,443 85,030 145,546	
1895 1894 1893 1892 1891	838 956 1,395 1,384	131,195 211,639 199,633 369,302	83,720 134,368 92,531 185,037	37,827 49,348 83,217 144,290	9,648 27,923 23,885 39,975	1810	(NA) (NA) (NA) (NA) (NA) (NA)	127,575 91,397 31,755 99,783 126,093 128,507	458 182 78	90,939 91,673 99,705 126,093 128,507 103,753	
1890 1889 1888 1887 1886	1,051 1,077 1,014 844 715	294,123 231,134 218,087 150,450 95,453	159,046 159,318 142,007 100,074 44,468	102,873 50,570 48,590 34,633 41,238	32,204 21,246 27,490 15,743 9,747	1804 1803 1802 1801	(NA) (NA) (NA) (NA)	128,507 103,753 88,448 (NA) 124,755		88,448 (NA) 124,755	
1890 1889 1888 1887 1886 1886 1884 1883 1883 1882 1881	920 1,190 1,268 1,371 1,108	159,056 225,514 265,430 282,270 280,459	84,333 91,328 107,229 121,843 118,070	65,362 120,621 137,046 118,798 81,209	9,861 13,565 21,155 41,629 81,180	1800 1799 1798 1797	995 767 635	106,261 77,921 49,435 56,679		106,261 77,921 49,435 56,679	

Represents zero. NA Not available.
 Includes canalboats and barges prior to 1868.
 Jan. 1-Dec. 31.

<sup>July 1, 1939—June 30, 1940.
9-month period.
Figures by class of vessel do not add to the total for this year.</sup>

Series Q 438-448. Merchant Vessels Completed by U.S. Shipyards: 1914 to 1970

[Tons in thousands. Represents self-propelled steel vessels of 2,000 gross tons and over for domestic use. Excludes Alaska and Hawaii]

	Merchar	it vessels	Passer	nger-cargo/tra	nsport		Cargo			Tanker	
Year	Number	Gross tons	Number	Gross tons	Deadweight tons	Number	Gross tons	Deadweight tons	Number	Gross tons	Deadweight tons
	438	439	440	441	442	443	444	445	446	447	448
1970 1969 1968 1967	13 22 21 12	342 418 319 143	_ _ _	- - - -	-	6 14 18 12	120 217 256 143	134 247 291 150	7 8 3	222 201 63	427 381 113
1966 1965 1964 1963 1963 1962	13 13 15 35 27 25	146 173 213 418 392 369	1 6 1	14 51 14	9 31 10	12 11 10 23 23 18	125 121 104 250 265 190	161 154 123 289 303 224	1 2 4 6 3 7	21 52 95 117 113 179	36 92 166 200 186 298
1960	26 30 30 19 8 9 39 45 31	410 714 572 297 113 119 585 570 399 148	1 4 - - 1 1 6 2	5 61 - - 4 4 101 47	- 1 35 - - 6 4 57 24	15 3 5 2 7 11 22 17 4	134 40 48 8 7 84 106 212 170 29	163 73 67 61 15 95 159 324 289	11 26 21 16 6 2 27 22 8 4	276 668 463 289 106 35 475 354 127	456 1,095 759 457 169 55 764 555 202
1950	26 33 24 39 83 1,041 1,463 1,661 724	405 541 159 247 646 7,615 11,403 12,486 5,393 749	- 1 8 9 46 48 20 11	15 74 77 509 461 220 102 58	- 11 68 85 311 330 180 81 57	3 - 17 28 66 807 1,175 1,410 652 61	27 	159 224 729 7,206 11,858 14,921 6,843 598	23 33 6 3 8 188 240 231 61 28	378 541 52 19 82 1,770 2,486 2,163 612 268	609 863 88 36 121 2,787 3,955 3,420 982 434
1940	53 28 24 15 8 2 2 2 4 15	445 241 181 122 63 19 10 50 145	6 3 - - - - - 4 13 9	69 30 	61 20 - - - - - 32 83 85	31 14 6 - - 2 2	227 92 39 - - 10 - 16	335 128 56 - - 15 - 22	16 11 18 15 8 2 -	149 119 142 122 63 19 - - 42	238 193 228 192 105 30 - - 70
1930 1929 1928 1928 1927 1926 1925 1925 1923 1922 1922	18 8 7 19 8 12 12 12 18 19	164 65 72 155 54 84 84 117 168 1,359	5 2 3 7 5 9 7 7 3 22	50 24 44 51 29 19 44 34 41 256	39 20 37 27 16 11 20 26 34 243	2 5 - 9 2 9 4 9 10 57	16 33 - 73 16 65 34 68 78 317	24 49 104 26 92 48 110 156 485	11 1 4 3 1 - 1 2 6 104	97 9 28 30 9 - 7 16 48 786	161 15 44 50 15 - 11 23 71 1,158
1920 1919 1918 1917 1916 1915	467 723 414 125 74 24 26	2,396 3,370 1,770 642 370 128 135	12 2 5 1 1 3 1	100 10 30 10 6 20	111 11 24 10 7 13	375 679 375 92 49 17	1,758 3,086 1,508 414 201 88 88	2,696 4,680 2,283 627 300 131	80 42 34 32 24 4 8	538 273 232 218 163 20 45	778 395 339 314 247 30 67

⁻ Represents zero.

Series Q 449-458. Shipbuilding in Private Shipyards—Summary: 1949 to 1970

[Tons in thousands; gross tons for commercial vessels, light displacement tons for naval vessels. Covers steel self-propelled vessels of 1,000 tons or over]

		Co	ommercial vesse	ls				Naval vessels		
Year	Under con	struction	Contracted	Launched	Delivered	Under con	struction	Contracted	Launched	Delivered
	Jan. 1	Dec. 31	for			Jan. 1	Dec. 31	for	ı	
	449	49 49	451	452	453	454	455	456	457	458
1970: Number Tons 1969: Number Tons	1,388 63 1,495	11,609 49 1,388	13 580 8 309	11 322 13 271	18 370 22 416	108 621 133 701	82 588 108 621	6 132 6 80	23 117 28 142	32 166 31 159
1968: Number	64 1,211 48 596 45 513	1,495 64 1,211 48 596	23 613 29 740 16 244	27 454 15 182 11 134	24 329 13 162 13	134 686 147 745 106 573	183 701 134 686 147 745	15 153 8 50 54 246	26 138 15 137 25 129	16 138 21 109 13 74

Series Q 449-458. Shipbuilding in Private Shipyards—Summary: 1949 to 1970—Con.

[Tons in thousands; gross tons for commercial vessels, light displacement tons for naval vessels]

		C	ommercial vesse	ls	,			Naval vessels		
Year	Under con	struction	Contracted	Launched	Delivered	Under con	struction	Contracted	Launched	Delivered
	Jan. 1	Dec. 31	for		_	Jan. 1	Dec. 31	for		
	449	450	451	452	453	454	455	456	457	458
65: Number	47	45	16	17	18	101	106	23	15	1
Tons64: Number	550 45	513 47	166 18	221 20	203 16	537 83	573 101	158 39	102 22	12 2
Tons.	517	550	244	239	223	450	537	195	133	10
63: Number	54	45	25	18	34	71	83	29	23	1
Tons62: Number	648 66	517 54	291 15	261 37	422 27	² 383 67	450 71	148 19	125 18	8
Tons	859	648	174	429	385	362	385	99	79	7
61: Number	57	66	34	20	25	59	67	24	13	1
Tons	789	² 859	² 43 8	320	369	² 403	362	132	69	17
60: Number	60	58	23	31	25	52	59	19	16	1
Tons59: Number	979 75	844 60	270 19	471 28	404 32	334 55	410 52	115 13	170 15	3
Tons	1.514	954	196	587	717	835	334	63	66	6
58: Number	93	75	22	32	31	46	55	17	15	
Tons 57: Number	2,156 84	1,543 93	176 35	719 26	573 23	281 55	335 46	78 14	56 15	2
Tons	1,855	2,172	751	389	320	286	273	100	39	11
56: Number	25	84	68	12	9	42	55	22	17	
Tons	312	1,902	1,715	156	126	247	284	87	110	4
55: Number	15	25	18	3	8	44	43	13	13	1
Tons	225 48	315 15	196	48 31	105 38	307 31	253 44	93 26	73 14	14 1
Tons	672	210	122	473	564	212	303	138	132	4
53: Number	92	48	4	41	45	45	31	2	16	1
Tons	1,298	680	19 27	516	570	254	219	16 18	41	ŧ
52: Number Tons	96 1,222	92 1,303	478	37 428	31 397	31 158	45 254	107	8 33	1
51: Number	29	96	77	10	10	11	32	22	7	
Tons	411	1,251	987	146	148	45	214	170	30	76
50: Number	39	29	16	26	26	11	11	_	_	
Tons	636	401	181	422	415	42	42	-	-	
19: Number Tons	$\begin{array}{c c} 71 \\ 1,130 \end{array}$	40 661	5 72	39 631	34 539	21 194	11 42	_		į
TOUR	1,100	001	12	091	009	194	42	-	- 1	

Series Q 459-466. Gross Tonnage of Merchant Vessels Built and Documented, by Region: 1817 to 1936 [Documented vessels of 5 tons or more. As of December 31, 1817-1834; September 30, 1835-1842; June 30 thereafter]

		Seab	oard		Northern			Seab	oard		Northern
Year	Total	New England coast	Mid- Atlantic and Gulf coasts	Pacific coast	lakes and western rivers	Year	Total	New England coast	Mid- Atlantic and Gulf coasts	Pacific coast	lakes and western rivers
	459	460	461	462	463		459	460	461	462	463
1936	175,398	711	166,671	8,016	48,686	1910	167,829 131,748	23,442 27,237	127,517 81,752	16,870 22,759	174,239 106,342
1935	49,054	1,910	38,452	8,692	13,865	1908	266,937	70,903	138,984	57,050	347,279
1934 1933	49,946 181,593	862 25,851	37,390	11,694	16,703	1907	219,753	44,428	140,134	35,191	251,579
1932	195,529	52,163	151,828 133,625	3,919 9,741	9,210 17,363	1900	146,883	32,311	94,311	20,261	271,862
1931	355,771	26,639	287,884	41,248	31,135	1905	230,716	119,377	91,224	20,115	99,600
1000						1904	208,288	51,417	135,263	21,608	170.254
1930 1929	193,116 104,769	18,601 12,766	143,656 71,750	30,859 20,253	$61,180 \\ 24,207$	1903 1902	288,196	66,973 75,852	177,887	43,336	147,956
1928	181,681	11,434	146,532	20,255 23,715	75,499	1902	290,122 291,516	82,971	$161,211 \\ 153,977$	53,059 54,568	178,709 191,973
1927	176,207	6.574	124,068	45,565	68,937	10011111111	201,010	02,011	100,511	04,000	101,010
1926	159,658	4,995	131,994	22,669	65,015	1900	249,006	72,179	135,473	41,354	144,784
1925	100 000		70 704	44 504	#F 010	1899	196,120	68,761	85,825	41,534	103,918
1925	$123,933 \\ 145,837$	5,615 3,174	76,784 106,414	41,534 36,249	75,913 78,131	1898 1897	112,879 103,504	23,944 21,942	39,146 74,067	49,789 7,495	67,579 128,729
1923	262,769	13,057	199,026	50,686	73,022	1896	103,504	39,582	52,143	10,819	128,729 124,558
1922	637.708	56,973	448,197	132,538	23,524	10001111111	102,012	00,002	02,140	10,010	124,000
1921	2,147,555	150,745	1,383,185	613,625	117,560	1895	67,127	26,783	33,200	7,144	44,475
						1894	80,099	28,665	46,042	5,392	51,096
1920 1919	3,475,872	208,023	1,931,514	1,336,335	404,767	1893	102,830	37,091	52,018	13,721	108,809
1919	2,815,733 1,080,437	177,758 88,302	1,274,472 473,698	1,363,503 518,437	510,888 220,431	1892 1891	138,863 237,462	60,624 $105,491$	57,469	20,770	60,770
1918 1917	518,958	52,526	298,958	167,474	145.521	1091	231,402	100,451	112,901	19,070	131,840
1916	275,749	37,568	188,550	49,631	49,664	1890	169,091	78,577	78,179	12,335	125,032
		Í '	· ·	· ·	·	1889	111,852	39,983	53,930	17,939	119,282
1915	203,156	18,551	152,906	31,699	21,966	1888	105,125	33,813	49,356	21,956	112,962
1914	251,700	14,985	200,220	36,495	64,550	1887	83,061	24,035	49,886	9,140	67,389
1913 1912	247,318 136,485	27,131 23,052	175,523 81,329	44,664 32,104	98,837 96,184	1886	64,458	30,624	27,920	5,914	30,995
1911	190,612	23,653	139,725	27,234	100,550						
	100,012	20,000	100,120	21,204	100,000						

Represents zero.
 Adjusted to account for major changes made during construction.

² Tonnages revised.

Series Q 459-466. Gross Tonnage of Merchant Vessels Built and Documented, by Region: 1817 to 1936—Con.

		Seal	ooard		Northern			Seaboard		Northern
Year	Total	New England coast	Mid-Atlantic and Gulf coasts	Pacific coast	lakes and western rivers	Year	Total	New England coast	Mid-Atlantic and Gulf coasts	lakes and western rivers
į	459	460	461	462	463		459	460	461	463
1885 1884 1883 1882 1882	121,010 178,419 210,349 188,084 125,766	48,128 84,046 110,226 93,965 54,488	61,844 83,753 83,385 78,842 59,861	11,038 10,620 16,738 15,777 11,417	38,046 47,095 55,081 94,186 154,693	1842 1841 1840	109,100 104,268 110,683	64,237 63,771 65,189	44,863 40,497 45,494	19,983 14,625 7,626
1880	101.720	46,374	46,403	8,943	55,690	ļ	Al	LTERNATIVE SERIE	ss	
1879 1878 1877 1876	115,683 155,138 182,996 163,826	55,874 90,386 90,992 95,288	48,602 53,419 29,286 51,716	11,207 11,333 12,718 16,822	77,348 80,366 43,596 39,760	Ye	207	The Coast 3	Western lakes and rivers	New England States ³
1875 1874 1873	244,474 277,098 218,189	151,497 186,251 76,406	79,549 129,953 186,258	13,428 10,859 5,475	58,165 155,632 141,107	1.		464	465	466
1872 1871	128,097 156,249	46,269 64,366	79,552 86,559	2,276 5,824	80,955 116,978			247,847	24,372	142,367
1870 1869 1868	182,836 191,194 173,722	110,584 108,604 98,915	59,532 72,058 67,956	12,720 15,532 6,851	94,117 84,036 111,582	1848 1847		217,264 262,581 185,493 149,332	89,813 55,495 58,240 88,872	120,234 146,111 104,682 82,847
1867 ¹	229,583 232,788	185,189 121,335	90,070 105,329	4,324 6,124	73,945 103,358	1845 1844		116,156 71,732	29,862 31,805	68,835 86,268
1865 ¹ 1864	280,899 328,710	135,253 112,615	141,830 211,242	3,816 4,853	102,910 87,030	1842		90,017 108,302 103,576	26,298 20,782 15,318	46,251 56,234 63,770
1863 ¹	215,410 112,486	79,578 45,597	133,161 64,365	2,671 2,524	95,474 62,589	1840		109,706	8,603	65.189
1861	181,586	104,678	72,192	4,716	51,608	1839 1838		107,232 100,074	13,757 13,061	59,204 53,054
1860	169,836 134,499	134,289 79,316	88,524 53,127	2,023 2,056	44,962 23,103	1836		98,997 98,130	23,990 15,497	51,981 58,830
1858 ¹	177,799 285,681	103,864 183,686	71,811 100,810	2,124 1,185	64,487 98,123	1835		101,906 105,683	14,072 12,647	60,054 61,779
1856	369,679	252,974	116,343	362 2,118	99,714	1832		158,455 130,064	8,171 14,475	95,143 100,585
1855 1854 1853	505,450 454,933 857,233	326,431 289,599 222,791	176,901 164,311 134,291	1,023 151	78,000 80,683 68,339			80,541 52,686	5,222 5,398	49,798 24,169
1852 1851	301,274 265,378	179,804 133,351	121,470 181,957	70	50,218 32,825	1829		71,055 95,349	6,044 3,027	38,117 54,282
850	248.865	142,369	106,374	122	28.353	1827		99,343 121,908	5,000 4,530	57.156
849	209,189 264,268	120,237 146,113	88,952 118,155		47,388 53.807	1825 1824		112,616 89.166	2,381 1.773	72,668 65,616 52,445
847	185,618 149,571	104,745 82,847	80,873 67,224		58,114 38,632	1823 1822		78,942 75,242	1,066 105	52,445 42,725 44,206
845	116.443	63,837	52,606		29,575	1821		55,607	249	86,651
844 843 ²	71,832 53,220	36,268 26,512	85,564 26,708		31,705 10,397	1819		47,696 79,551 82,232	88 267 189	29,353 50,614 48,823
						1817		82,232 85,144	1,250	46,605

¹ Figures for these years do not add to series Q 484.
² 9-month period.

Series Q 467-472. Vessels Repaired or Converted in Private Shipbuilding and Ship Repair Yards: 1943 to 1970

	All v	essels		under oss tons		s over		All v	ressels		s under coss tons		s over
Year	Number	Yards reporting 1	Number	Yards reporting	Number	Yards reporting	Year	Number	Yards reporting 1	Number	Yards reporting	Number	Yards reporting
	467	468	469	470	471	472	l	467	468	469	470	471	472
1970	39,200 36,000 37,200 37,400 33,100 35,600 37,500	122 126 128 130 135	26,800 22,120 24,300 24,500 19,600 22,900 26,777	110 116 114 112 110	12,400 13,880 12,900 12,900 13,500 12,700 10,723	75 78 81 85 75	1955	35,413 39,870 44,663 42,774 38,513 33,287 27,441	144 154 163 131 138 118	21,122 24,458 27,006 20,878 20,307 17,993 15,135	130 136 142 113 123 111 103	14,291 15,412 17,657 21,896 18,106 15,294 12,306	89 99 106 82 59 80 69 70
1963 1962 1961	39,990 42,686 36,816	139 151 122	27,804 29,912 26,027	129 137 106	12,186 12,774 10,789	102 95 73	1948 1947 1946	30,937 30,888 88,091	105 102 126	14,651 12,866 19,462	97 84 107	16,286 18,022 18,629	70 67 87
1960 1959 1958 1957 1956	37,774 37,501 42,809 40,827 45,555	159 149 154 152 165	24,991 24,837 28,331 26,106 29,401	132 130 134 139 144	12,783 12,664 14,478 14,721 16,154	93 87 88 82 93	1945 1944 1943	23,558 22,014 22,957				23,558 22,014 22,957	

¹ Not additive.

 $^{^3\,\}mathrm{Figures}$ for New England States included in series Q 464 "The Coast."

Series Q 473-480. Merchant Vessels Launched and Owned-World and United States: 1895 to 1970

[Vessels of 100 gross tons and over. Excludes sailing ships, nonpropelled craft, and all ships built of wood. Figures for 1895 to 1935 represent annual average 5-year span beginning with the year shown; for example, the figure shown for 1895 is the annual average for 1895 to 1899, that for 1900, the annual average for 1900 to 1904, etc]

		Wo	orld			United	States				Wo	orld			United	States	
	Laur	ched	Ow	ned	Laur	ched	Ow	ned	l	Laun	iched	Ow	ned	Laur	ched	Ow	ned
Year	Num- ber	Gross tons (1,000)	Num- ber	Gross tons (1,000)	Num- ber	Gross tons (1,000)	Num- ber	Gross tons (1,000)	Year	Num- ber	Gross tons (1,000)	Num- ber	Gross tons (1,000)	Num- ber	Gross tons (1,000)	Num- ber	Gross tons (1,000)
	473	474	475	476	477	478	479	480		473	474	475	476	477	478	479	480
1970 1969 1968 1967 1966	2,700 2,819 2,798 2,778 2,561	21,690 19,315 16,908 15,780 14,307	50,472 48,246 45,343 42,234 40,822	227,138 211,294 193,770 181,709 170,780	150 174 199 231 191	338 400 441 242 167	2,822 2,972 3,049 3,115 3,140	18,423 19,507 19,623 20,286 20,750	1950 1949 1948 1947 1946	990 899 840 741 655	3,489 3,126 2,303 2,093 2,108	27,922 27,194 26,479 (NA) (NA)	83,996 81,954 79,714 (NA) (NA)	51 66 49 61 95	437 633 126 163 501	4,531 4,605 4,807 (NA) (NA)	27,404 27,707 29,060 (NA) (NA)
1965 1964 1963 1962 1961	2,280 2,147 2,001 1,901 1,990	12,216 10,264 8,539 8,375 7,940	39,628 38,602 37,310 36,364 35,465	159,979 152,584 145,438 139,549 135,477	130 80 78 90 56	270 276 294 449 343	3,224 3,344 3,506 3,542 3,728	21,478 22,380 23,082 23,220 24,184	1945 1944 1943 1942 1941	1,311 1,690 2,067 1,285 489	7,189 11,157 13,881 7,812 2,487	(NA) (NA) (NA) (NA) (NA)	(NA) (NA) (NA) (NA) (NA)	880 1,237 1,620 861 184	5,968 9,332 11,577 5,671 1,035	(NA) (NA) (NA) (NA) (NA)	(NA) (NA) (NA) (NA) (NA)
1960 1959 1958 1957 1956	2,020 1,808 1,936 1,950 1,815	8,356 8,746 9,270 8,501 6,670	34,056 33,924 32,857 31,421 30,620	129,339 124,494 117,578 109,778 104,720	60 47 64 54 50	485 597 732 359 169	3,845 3,964 4,054 4,116 4,157	24,781 25,227 25,526 25,843 26,074	1940 1939 1935 1930 1925	495 1,040 484 873 942	1,754 2,595 1,020 2,469 2,582	(NA) 31,186 30,979 82,713 32,905 31,484	(NA) 69,440 64,886 69,608 65,638 57,281	167 117 25 74 99	579 244{ 83 159 315	(NA) 3,270 3,585 4,105 4,790 5,381	(NA) 11,874 12,773 13,947 15,314 15,997
1955 1954 1953 1952 1951	1,437 1,223 1,134 1,065 1,002	5,315 5,251 5,095 4,394 3,639	29,967 29,766 29,174 28,751 28,374	100,069 96,899 92,826 89,636 86,678	26 46 68 64 58	73 477 528 468 164	4,225 4,404 4,431 4,458 4,484	26,343 27,252 27,144 27,139 27,226	1915 1910 1905 1900 1895	1,637 1,426 1,474 1,611 1,205	4,616 2,588 2,218 2,354 1,844	30,643 29,943 29,574 27,840 30,288	49,246 41,884 85,949 28,957 25,086	605 140 206 242 155	2,217 222 352 347 200	3,180 3,380 3,457 3,135 3,200	5,846 5,018 3,996 2,750 2,165

NA Not available.

Series Q 481-486a. Documented Merchant Vessels, by Geographic Region: 1816 to 1965

In thousands of tons. Gross tonnage of documented vessels of 5 net tons or more. As of December 31, 1789-1834; September 30, 1835-1842; June 30, 1843-1940; January 1 thereafter]

Year	Total seaboard	New England coast	Mid- Atlantic and Gulf coasts 1	Pacific coast ²	Northern lakes	Western rivers	Year	Total seaboard	New England coast	Mid- Atlantic and Gulf coasts ¹	Pacific coast ²	Northern lakes	Western rivers
	481	482	483	484	485	486		481	482	483	484	485	486
1965	21,430 21,482 21,083 21,010 22,064	17.	074 077 547 15,922 16,059	4,356 4,405 4,537 4,533 5,313	1,878 1,858 1,932 2,056 2,121	3,208 2,820 2,676 2,389 2,218	1930 1929 1928 1927 1926	13,131 13,527 13,728 13,914 14,306	798 815 878 918 936	9,106 9,447 9,494 9,747 10,079	3,227 3,264 3,355 3,249 3,290	2,758 2,771 2,773 2,805 2,844	178 179 182 168 161
1960	24,708	814	18,112	5,782	1,728	2,145	1925	14,390	953	10,155	3,282	2,853	162
1959	25,577	827	18,439	6,312	1,627	1,691	1924	14,785	1,014	10,344	3,428	2,791	164
1958	25,520	898	17,955	6,667	1,638	1,429	1923	15,388	1,113	10,780	3,496	2,758	138
1957	26,605	1,007	18,634	6,964	1,569	1,247	1922	15,604	984	11,147	3,474	2,724	135
1956	26,952	1,091	18,732	7,129	1,558	1,100	1921	15,320	920	10,932	3,468	2,840	122
1955	27,405	1,191	19,211	7,004	1,590	962	1920	13,065	872	8,867	3,326	3,139	120
1954	28,299	1,239	19,908	7,152	1,616	849	1919	9,762	616	6,329	2,816	3,024	122
1953	28,184	1,204	19,886	7,094	1,624	738	1918	7,004	600	4,757	1,647	2,798	123
1952	28,136	1,335	19,604	7,196	1,556	725	1917	5,959	604	4,146	1,210	2,779	133
1951	28,040	1,559	18,409	8,072	1,565	736	1916	5,574	616	3,827	1,131	2,761	135
1950	28,866 29,407 30,484 35,238 35,829	1,505 1,679 1,719 1,834 1,644	18,915 18,639 18,397 20,340 19,927	8,446 9,089 10,368 13,064 14,258	1,628 2,076 2,079 2,091 2,183	721 699 604 504 489	1915 1914 1913 1912 1911	4.904	658 767 766 765 775	3,652 3,036 2,986 2,868 2,795	1,123 1,101 1,049 985 974	2,818 2,883 2,940 2,950 2,944	139 141 146 146 168
1945	30,306	1,472	17,186	11,648	2,061	446	1910	4,459	800	2,723	937	2,895	154
	23,569	972	13,596	9,001	1,793	434	1909	4,444	828	2,681	934	2,782	163
	14,714	440	10,051	4,224	1,620	428	1908	4,469	822	2,685	962	2,729	167
	11,856	544	9,372	1,989	1,624	379	1907	4,328	784	2,656	887	2,440	172
	11,776	494	9,318	1,964	1,641	305	1906	4,273	781	2,651	840	2,234	168
1940	12,064	453	9,563	2,047	1,669	285	1905	4,220	818	2,586	822	2,062	174
	12,668	418	9,779	2,471	1,712	252	1904	4,059	795	2,458	807	2,019	213
	12,666	454	9,730	2,483	1,739	246	1903	3,970	772	2,386	812	1,908	215
	12,733	515	9,630	2,588	1,713	230	1902	3,759	758	2,227	774	1,817	222
	12,512	517	9,254	2,741	1,767	218	1901	3,568	750	2,104	714	1,706	249
1935	12,700	589	9,248	2,868	1,773	181	1900	3,341	771	1,957	613	1,566	258
	12,883	620	9,312	2,951	1,802	177	1899	3,155	742	1,873	540	1,446	263
	13,077	641	9,465	2,970	1,814	170	1898	3,051	775	1,779	497	1,438	262
	13,793	708	9,970	3,115	1,857	189	1897	3,087	818	1,830	489	1,410	272
	12,958	712	9,157	3,089	2,767	184	1896	3,105	857	1,810	438	1,324	275

Series Q 481-486a. Documented Merchant Vessels, by Geographic Region: 1816 to 1965—Con.
[In thousands of tons]

Year	Total seaboard	New England coast	Mid- Atlantic and Gulf coasts 1	Pacific coast ²	Northern lakes	Wester Official	n rivers Haites	Year	Total seaboard	New England coast	Mid- Atlantic and Gulf coasts 1	Pacific coast ²	Northern lakes	Wester Official	n rivers Haites
	481	482	483	484	485	486	486a		481	482	483	484	485	486	486a
1895 1894 1893 1892 1891	3,113 3,169 3,265 3,271 3,222	846 879 907 932 944	1,834 1,834 1,901 1,874 1,836	434 456 457 465 441	1,241 1,227 1,261 1,184 1,155	281 287 299 311 308		1855 1854 1853 1852 1851	4,877 4,531 3,872 3,566 3,259	2,004 1,806 1,679 1,557 1,414	2,779 2,623 2,088 1,906 1,785	93 102 105 103 59	206 161 254 217 196	129 111 282 355 318	173 169 169 153 143
1890 1889 1888 1887 1886	3,067 3,036 3,013 2,995 3,034	947 957 1,009 998 1,055	1,691 1,643 1,603 1,640 1,631	428 436 400 356 348	1,063 972 874 784 768	294 299 305 327 335		1850	3,051 2,874 2,729 2,464 2,257	1,368 1,289 1,258 1,125 1,071	1,665 1,584 1,470 1,339 1,186	19 1	181 174 148 134 91	303 286 277 241 215	135 130 133 122 106
1885 1884 1883 1882 1881	3,170 3,182 3,151 3,062 3,000	1,090 1,142 1,121 1,095 1,045	1,720 1,705 1,702 1,664 1,669	361 335 328 302 286	750 733 724 711 663	346 356 361 393 394		1845 1844 1843 1842 1841	2,143 2,033 1,940 1,888 1,936	1,010 963 923 915 984	1,133 1,071 1,017 973 951		86 72 66 61 58	188 174 152 143 137	96 90 80 76 85
1880 1879 1878 1877 1876	2,989 3,070 3,150 3,196 3,266	1,073 1,095 1,140 1,146 1,148	1,644 1,705 1,757 1,799 1,864	272 270 253 252 253	605 597 605 610 613	474 502 458 436 401		1840 1839 1838 1837 1836	2,014 (³) 1,837 1,771 1,773	1,012 (8) 901 889 877	1,002 (*) 936 882 896		(3) 50 35 30	118 (*) 109 91 79	83 78 65 64 57
1875 1874 1878 1872 1871	3,597 3,521 3,489 3,265 3,164	1,143 1,077 1,055 1,053 1,050	2,225 2,232 2,243 2,031 1,947	229 212 191 180 167	838 842 788 724 712	419 438 418 448 407		1835 1834 1833 1832 1831	1,735 (⁸) 1,530 1,367 1,215	896 (*) 811 700 576	840 (3) 718 667 639		(*) 17 16 9	73 (a) 60 56 44	50 41 37 35 29
1870 1869 1868 1867 1866	3,164 3,090 3,175 3,340 3,515	1,057 1,066 1,046 1,008 1,126	1,917 1,839 1,962 2,171 2,209	190 185 167 161 180	685 661 696 613 572	398 393 481 352 224	212 232 238	1830	1,146 (⁸) 1,692 1,590 1,501	581 (³) 787 714 706	565 (³) 905 876 795		13 (*) 10 9 9	(3) 39 22 24	25 22 19 20 17
1865	4,180 4,100 4,382 4,425 4,888	1,269 1,341 1,646 1,805 1,839	2,756 2,654 2,618 2,516 2,959	154 105 118 104 90	671 698 631 561 479	246 189 142 127 173	229 193 160 157 165	1825	1,397 1,362 1,312 1,298 1,265	641 613 600 601 580	756 748 711 697 684		7 9 7 7	19 18 18 20 27	13 10 12 13 14
1860 1859 1858 1857 1856	3,723 4,675 4,648 4,562 4,525	1,828 1,833 1,739 1,777 1,863	2,810 2,754 2,824 2,701 2,579	85 88 85 85 84	463 329 261 238 222	168 142 141 140 124	195 193 196 200 188	1820 1819 1818 1817 1816	1,245 1,228 1,194 1,320 1,357	565 551 528 562 569	681 678 667 758 788		7 7 6 7 5	27 25 25 13 10	14 13 6 3 4 2

Includes Puerto Rico and Virgin Islands.
 Includes Alaska, Hawaii, and Guam.

Series Q 487-502. United States Flag Merchant Vessels, Steam and Motor: 1934 to 1970

[Dead-weight tonnage in thousands. As of June 30, except as indicated. Covers oceangoing vessels of 1,000 gross tons and over engaged in foreign and domestic trade, and inactive vessels. Excludes special types and vessels employed on Great Lakes]

	All v	essels						Active v	essels/						Inactiv	e vessels
			То	tal	Foreign	ı trade			Domest	tic trade			Special	service		
Year and type of vessel	Num- ber	Tons	Num-	Tons	Num-	Tons	То	tal	Coas	twise		stal and tiguous	Num-	Tons	Num- ber	Tons
			ber	-	ber		Num- ber	Tons	Num- ber	Tons	Num- ber	Tons	ber			
	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502
970 Combination Cargo Tanker	1,780 177 1,302 301	23,280 1,147 14,298 7,835	819 13 557 249	14,073 117 7,173 6,783	386 10 344 32	5,775 94 4,605 1,076	245 2 68 175	5,368 13 837 4,518	142 - 10 132	3,599 - 116 3,483	103 2 58 43	1,769 13 721 1,035	188 1 145 42	2,930 10 1,731 1,189	961 164 745 52	9,208 1,031 7,125 1,052
969 Combination Cargo Tanker	2,013 187 1,521 305	25,079 1,214 16,462 7,403	1,013 22 780 211	15,180 198 9,412 5,570	447 20 398 29	6,021 187 5,100 734	199 2 69 128	4,062 11 823 3,228	105 - 8 97	2,619 111 2,508	94 2 61 31	1,445 11 713 721	367 - 313 54	5,097 3,489 1,608	1,000 165 741 94	9,898 1,015 7,050 1,833
1968 Combination Cargo Tanker	2,101 205 1,581 315	25,699 1,343 16,993 7,363	1,104 26 811 267	16,416 227 9,569 6,620	481 22 421 38	6,332 200 5,180 952	242 1 65 176	4,934 4 797 4,133	134 - 9 125	3,105 123 2,982	108 1 56 51	1,829 4 674 1,151	381 3 325 53	5,150 23 3,592 1,535	997 179 770 48	9,284 1,116 7,425 748
1967 Combination Cargo Tanker	2,209 222 1,670 317	26,560 1,454 17,843 7,263	1,107 27 818 262	16,273 231 9,547 6,495	460 24 400 36	6,037 214 4,963 860	233 1 66 166	4,654 4 810 3,840	142 - 9 133	3,333 - 120 3,213	91 1 57 38	1,323 4 691 628	414 2 352 60	5,582 13 3,774 1,795	1,102 195 852 55	10,286 1,223 8,296 767

⁻ Represents zero.

Series Q 487-502. United States Flag Merchant Vessels, Steam and Motor: 1934 to 1970—Con. [Dead-weight tonnage in thousands]

	All ve	essels						Active	vessels						Inactive	vessels
			Tot	tal	Foreign	trade			Domest	ic trade			Special	service		
Year and type of vessel	Num- ber	Tons	Num-	Tons	Num-	Tons	Tot	al	Coast	twise	Intercons		Num-	Tons	Num- ber	Tons
			ber		ber		Num- ber	Tons	Num- ber	Tons	Num- ber	Tons	ber			
	487	488	489	490	491	492	493	494	495	496	497	498	499	500	50 1	502
1966	2,292 225 1,739 328	27,393 1,476 18,565 7,352	1,043 29 760 254	15,388 250 8,913 6,225	494 26 420 48	6,576 233 5,093 1,250	248 1 83 164	4,825 4 1,050 3,771	139 - 11 128	3,202 - 160 3,042	109 1 72 36	1,623 4 890 729	301 2 257 42	3,987 18 2,770 1,204	1,249 196 979 74	12,004 1,225 9,652 1,127
1965	2,425 236 1,840 349	28,755 1,558 19,561 7,686	779 19 561 199	11,821 158 6,679 4,985	512 18 440 54	6,877 153 5,249 1,475	217 1 92 124	3,953 4 1,056 2,892	118 - 13 105	2,667 142 2,525	99 1 79 19	1,286 4 914 368	50 - 29 21	993 375 618	1,646 217 1,279 150	16,934 1,402 12,883 2,651
1964 Combination Cargo Tanker	2,598 271 1,959 368	30,084 1,787 20,612 7,685	940 35 642 263	13,868 307 7,493 6,067	584 32 509 43	7,271 290 5,971 1,010	295 1 100 194	5,504 4 1,137 4,362	184 19 165	3,964 220 3,744	111 1 81 29	1,540 4 918 618	61 2 33 26	1,093 18 385 695	1,658 236 1,317 105	16,219 1,480 13,121 1,618
1968Combination Cargo Tanker	2,691 290 2,013 388	30,753 1,924 21,047 7,784	946 33 649 264	13,812 288 7,498 6,027	587 30 512 45	7,344 271 5,979 1,095	299 1 103 195	5,479 4 1,157 4,318	207 26 181	4,849 290 4,059	92 1 77 14	1,130 4 867 259	60 2 34 24	989 13 362 614	1,745 257 1,364 124	16,940 1,636 18,549 1,756
1962 Combination Cargo Tanker	2,716 289 2,018 409	30,954 1,925 21,024 8,006	940 84 628 278	13,473 294 7,083 6,096	543 29 482 32	6,616 260 5,554 803	340 2 115 223	5,951 14 1,233 4,703	231 - 32 199	4,640 - 362 4,278	109 2 83 24	1,811 14 872 425	57 3 31 23	906 20 296 590	1,776 255 1,390 131	17,481 1,630 13,941 1,911
1961	2,810 300 2,086 424	31,525 2,012 21,575 7,941	644 20 456 168	8,837 172 5,025 3,641	415 17 365 33	5,066 152 4,135 781	182 64 118	3,107 642 2,465	115 - 17 98	2,325 - 173 2,152	67 47 20	783 - 469 313	47 3 27 17	664 20 248 395	2,166 280 1,630 256	22,690 1,840 16,549 4,301
1960CombinationCargoTanker	2,984 305 2,204 425	32,601 2,038 22,813 7,750	951 36 638 282	12,922 320 6,907 5,695	558 34 479 45	6,541 305 5,265 972	372 2 148 222	5,926 14 1,589 4,323	237 - 35 202	4,284 375 3,910	135 2 113 20	1,642 14 1,215 413	21 - 6 15	455 - 53 402	1,983 269 1,571 143	19,679 1,717 15,906 2,055
1959 Combination Cargo Tanker	3,047 288 2,347 412	33,565 1,950 24,333 7,283	963 39 646 278	12,636 343 6,986 5,306	533 36 473 24	5,935 323 5,189 422	375 2 142 231	5,912 14 1,512 4,386	229 - 35 194	4,054 - 336 3,718	146 2 107 37	1,858 14 1,176 668	55 1 31 23	789 6 285 498	2,084 249 1,701 134	20,930 1,607 17,348 1,977
1958	3,047 238 2,425 384	33,316 1,638 25,125 6,553	970 44 657 269	12,358 413 7,051 4,895	551 36 487 28	6,208 344 5,348 516	356 3 133 220	5,369 30 1,366 3,978	229 - 37 192	3,811 - 345 3,466	127 3 96 28	1,558 30 1,021 507	63 5 37 21	781 39 337 406	2,077 194 1,768 115	20,958 1,225 18,076 1,658
1957 Combination Cargo Tanker	3,082 230 2,450 352	32,900 1,594 25,412 5,894	1,199 50 822 327	14,874 467 8,779 5,628	721 38 611 72	8,406 363 6,649 1,393	399 3 161 235	5,595 30 1,675 3,891	262 - 41 221	4,082 - 398 3,684	137 3 120 14	1,513 30 1,277 207	79 9 50 20	873 74 455 344	1,833 180 1,628 25	18,027 1,127 16,634 266
1956 Combination Cargo Tanker	247 2,511	34,052 1,683 26,007 6,363	1,127 48 738 341	13,988 443 7,864 5,680	644 38 524 82	7,538 359 5,688 1,489	402 1 149 252	5,639 10 1,569 4,061	281 - 42 239	4,269 - 411 3,858	121 1 107 13	1,870 10 1,158 202	81 9 65 7	811 74 607 130	2,023 199 1,773 51	20,065 1,240 18,140 685
1955 Combination Cargo Tanker	3,235 249 2,560 426	35,017 1,687 26,539 6,790	1,163 50 772 341	14,232 453 8,182 5,597	601 39 492 70	6,992 361 5,383 1,248	425 1 160 264	5,880 10 1,650 4,220	271 - 43 228	3,999 - 385 3,614	154 1 117 36	1,881 10 1,265 606	137 10 120 7	1,360 82 1,149 129	2,072 199 1,788 85	20,786 1,234 18,358 1,193
1954 Combination Cargo Tanker	3,333 252 2,636 445	35,860 1,695 26,435 7,730	1,128 54 730 339	13,645 466 6,876 6,303	623 39 489 95	7,299 361 5,226 1,713	398 5 154 239	5,324 23 1,581 3,719	265 - 44 221	3,854 396 3,458	133 5 110 18	1,470 23 1,185 261	102 10 87 5	1,022 82 69 871	2,210 198 1,906 106	22,216 1,230 19,559 1,427
1953 Combination Cargo Tanker	3,349 257 2,630 462	36,255 2,039 27,228 6,988	1,415 55 964 396	16,738 479 10,060 6,199	629 40 461 128	7,390 378 4,890 2,122	437 5 167 265	5,725 23 1,638 4,064	303 59 244	4,275 - 517 8,758	134 5 108 21	1,450 23 1,121 306	349 10 336 3	3,623 78 3,532 13	1,934 202 1,666 66	19,517 1,560 17,168 790
1952 Combination Cargo Tanker		36,081 2,044 27,210 6,827	1,447 62 967 418	16,976 552 10,047 6,378	782 44 582 156	9,052 393 6,177 2,481	395 1 135 259	5,190 4 1,302 3,884	291 - 58 233	4,033 - 517 3,516	104 1 77 26	1,158 4 786 368	270 17 250 3	2,734 155 2,567 13	1,903 198 1,662 43	19,106 1,491 17,164 451
1951 Combination Cargo Tanker	2,650	36,336 2,067 27,376 6,893	1,654 63 1,144 447	19,284 537 12,015 6,731	988 46 743 199	11,425 404 7,892 3,129	426 5 176 245	5,333 24 1,721 3,587	287 - 55 232	3,924 - 484 3,440	139 5 121 13	1,408 24 1,236 146	240 12 225 3	2,528 109 2,401 13	1,782 203 1,506 28	17,053 1,530 15,361 162
1950 Combination Cargo Tanker	2,846	36,526 639 28,927 6,959	1,145 51 682 412	13,828 417 7,075 6,335	711 45 505 161	8,353 389 5,367 2,597	434 6 177 251	5,474 28 1,708 3,737	279 - 66 213	3,716 559 3,157	155 6 111 38	1,757 28 1,149 580			2,263 32 2,164 67	22,698 222 21,851 624

⁻ Represents zero.

Series Q 487-502. United States Flag Merchant Vessels, Steam and Motor: 1934 to 1970—Con.
[Dead-weight tonnage in thousands]

	All v	essels						Active	vessels						Inactive	vessels
			To	tal	Foreig	n trade			Domest	ic trade			Special	service		
Year and type of vessel	Num- ber	Tons	Num-	Tons	Num-	Tons	То	tal	Coas	twise	Intercoa noncon		Num-	Tons	Num- ber	Tons
			ber		ber		Num- ber	Tons	Num- ber	Tons	Num- ber	Tons	ber			
	487	488	489	490	491	492	493	494	495	496	497	49 8	499	500	501	502
1949	3,379 79 2,799 501	36,228 609 28,442 7,177	1,386 47 969 370	16,044 388 10,063 5,593	1,004 43 813 148	11,416 375 8,626 2,415	382 4 156 222	4,628 13 1,437 3,178	262 53 209	3,437 - 416 3,021	120 4 103 13	1,191 13 1,021 157			1,993 32 1,830 131	20,184 221 18,379 1,584
1948 Combination Cargo Tanker	3,490 77 2,887 526	36,774 601 28,674 7,499	1,728 48 1,221 454	19,552 385 12,424 6,743	1,246 41 1,023 182	13,767 357 10,592 2,818	477 7 198 272	5,785 28 1,832 3,925	327 - 68 259	4,329 569 3,760	150 7 130 13	1,456 28 1,263 165			1,767 29 1,666 72	17,222 216 16,250 756
1947 1 Combination Cargo Tanker	3,696 95 2,977 624	38,882 742 29,206 8,934	2,114 38 1,628 448	23,651 284 16,561 6,806	1,603 32 1,434 137	17,288 259 14,779 2,200	511 6 194 311	6,413 25 1,782 4,606	381 - 82 299	5,104 - 659 4,445	130 6 112 12	1,309 25 1,123 161			1,582 57 1,349 176	15,231 458 12,645 2,128
1946 2	4,852 117 3,829 906	50,263 800 36,675 12,785	2,762 56 2,220 486	29,127 412 21,408 7,305	1,890 15 1,607 268	20,592 127 16,200 4,264	442 10 226 206	4,807 38 1,910 2,858	297 101 196	3,483 - 730 2,753	145 10 125 10	1,324 38 1,180 106	430 31 387 12	3,728 247 3,298 183	2,090 61 1,609 420	21,136 388 15,267 5,480
1941 Combination Cargo Tanker	1,168 94 716 358	10,096 541 5,472 4,083	1,137 88 693 356	9,919 526 5,324 4,070	471 43 358 70	4,052 348 2,966 789	663 44 333 286	5,836 165 2,340 3,331	488 34 179 275	4,261 118 937 8,205	175 10 154 11	1,575 47 1,402 125	3 1 2 -	31 13 18 -	31 6 23 2	177 15 148 13
1940	1,300 140 790 370	11,019 873 6,020 4,126	1,119 112 642 365	9,653 696 4,892 4,065	425 66 291 68	8,749 514 2,448 791	693 46 350 297	5,893 182 2,438 3,273	500 36 188 276	4,172 129 988 3,054	193 10 162 21	1,721 53 1,450 218	1 1 -	10 10 -	181 28 148 5	1,367 176 1,129 62
1939 Combination Cargo Tanker	1,398 163 851 384	11,699 1,079 6,364 4,256	1,092 131 609 352	9,308 856 4,545 3,908	319 78 193 48	2,804 621 1,619 565	772 53 415 304	6,499 235 2,921 3,343	543 37 229 277	4,359 139 1,197 3,022	229 16 186 27	2,141 96 1,724 320	1 1 -	5 5 -	306 32 242 32	2,391 224 1,819 348
1938 Combination Cargo Tanker	1,422 167 882 373	11,814 1,108 6,557 4,149	1,060 125 592 343	9,019 764 4,436 3,819	366 76 213 77	3,301 562 1,808 931	694 49 379 266	5,718 202 2,629 2,888	494 38 205 251	3,946 145 1,073 2,728	200 11 174 15	1,772 57 1,556 159	- - - -	- - -	362 42 290 30	2,795 344 2,121 330
1937 Combination Cargo Tanker	1,517 185 975 357	12,335 1,204 7,231 3,900	1,231 159 721 351	10,251 1,051 5,344 3,856	426 99 275 52	3,643 753 2,286 604	805 60 446 299	6,608 298 3,058 3,252	563 40 241 282	4,467 147 1,253 3,067	242 20 205 17	2,141 151 1,806 184	- - -	- - -	286 26 254 6	2,085 153 1,887 44
1936	1,563 201 1,007 355	12,323 1,281 7,405 3,637	1,208 171 694 343	9,697 1,083 5,072 8,541	430 104 250 76	3,714 770 2,087 857	776 67 442 267	5,958 313 2,961 2,684	537 46 243 248	3,878 170 1,227 2,482	239 21 199 19	2,079 143 1,734 202	2 - 2 -	25 - 25 -	355 30 313 12	2,626 198 2,333 95
1935 Combination Cargo Tanker	1,637 217 1,065 355	12,809 1,347 7,847 3,615	1,145 176 645 324	9,194 1,099 4,741 3,354	434 108 253 73	3,748 802 2,096 850	709 68 390 251	5,425 296 2,624 2,504	488 47 215 226	3,479 149 1,085 2,245	221 21 175 25	1,946 147 1,539 260	2 - 2 -	21 21 -	492 41 420 31	3,615 248 3,106 261
1934 Combination Cargo Tanker	1,673 233 1,079 361	12,986 1,389 7,946 3,652	1,097 184 596 317	8,767 1,123 4,382 3,262	438 111 258 69	3,753 823 2,168 763	657 73 336 248	4,993 300 2,194 2,499	440 50 200 190	3,005 143 1,025 1,838	217 23 136 58	1,987 157 1,169 661	2 - 2 -	21 21 	576 49 483 44	4,219 266 3,564 390

Represents zero.
 Data as of December 31.

Series Q 503-505. Gross Tonnage of Documented Merchant Vessels, by Type of Service: 1934 to 1970 [In thousands of tons. Documented vessels of 5 tons or more. As of June 30, 1934-1940; January 1, thereafter. Includes Puerto Rico and Guam]

Year	Freight (dry cargo)	Tanker	All other	Year	Freight (dry cargo)	Tanker	All other	Year	Freight (dry cargo)	Tanker	All other
	503	504	505		503	504	505		503	504	505
1970	18,896 19,183 18,823 18,045 17,731 17,393 17,236 18,320 20,637 21,342 21,420 22,024 22,280	6,412 6,139 5,976 5,673 5,645 5,535 5,404 5,261 4,908 4,632 4,934 4,934	3,305 3,134 3,134 2,798 2,784 2,685 2,685 2,685 2,685 2,685 2,534 2,484 2,484 2,486	1955	22, 298 22, 818 22, 605 22, 556 22, 558 23, 209 23, 766 24, 407 28, 087	5,279 5,520 5,478 5,451 5,354 6,001 4,171 8,196 8,336	2,381 2,427 2,463 2,409 2,389 2,452 2,414 4,949 2,230 2,077	1945 1944 1943 1942 1941 1940 1939 1938 1937 1936 1935 1935	23, 931 18, 878 11, 365 8, 226 8, 115 8, 267 8, 615 8, 702 8, 671 8, 702 8, 748 8, 887	6,835 4,802 3,128 3,261 3,053 3,028 3,089 2,989 2,881 2,686 2,668 2,674	2,047 2,115 2,268 2,373 2,553 2,723 2,929 2,960 3,123 3,109 3,238 3,301

² Data as of September 30.

Series Q 506-517. Net Tonnage Capacity of Vessels Entered and Cleared: 1789 to 1970
[In thousands of net tons. For years ending September 20, 1789-1842; June 30, 1843-1918; December 31 thereafter. Rico, and, beginning 1935, the Virgin Islands]

Excludes domestic trade. Includes Alaska, Hawaii, Puerto

			Vessels		, and, beginn	ing 1935, the	viigiii Island	<u>. </u>	Vessels	cleared		·
		All ports			Seaports 1			All ports			Seaports 1	
Year	Total	U.S. vessels	Foreign vessels	Total	U.S. vessels	Foreign vessels	Total	U.S. vessels	Foreign vessels	Total	U.S. vessels	Foreign vessels
	506	507	508	509	510	511	512	513	514	515	516	517
1970	254,154	26,239	227,915	226,666	24,234	202,431	253,136	26,953	226,183	225,925	24,898	201,027
1969	238,085	26,662	211,423	213,008	25,264	187,741	237,986	27,235	210,758	212,746	25,788	187,013
1968	229,850	30,389	199,465	203,664	27,456	176,210	230,324	31,198	199,126	204,086	28,244	175,839
1967	220,681	30,830	189,848	195,871	26,990	168,878	220,231	30,827	189,404	195,845	27,089	168,756
1966	217,894	31,487	186,407	191,684	28,621	163,063	219,437	32,738	186,699	193,433	29,925	163,507
1965	209,000	34,041	174,960	183,724	30,919	152,806	208,736	34,016	174,721	183,540	31,048	152,492
1964	199,330	34,956	164,373	174,625	30,909	143,715	202,262	35,337	166,924	177,636	31,409	146,225
1963	186,700	33,300	153,400	165,124	29,677	135,447	187,539	34,106	153,433	166,103	30,440	135,663
1962	178,334	33,774	144,560	158,606	29,963	128,644	178,953	34,165	144,788	159,330	30,337	128,993
1961	166,548	31,144	135,404	148,955	28,266	120,688	168,878	31,941	136,936	151,295	29,062	122,233
1960		30,189	132,575	145,828	26,708	119,119	166,715	31,280	135,434	149,778	27,649	122,127
1959		26,417	127,796	137,845	21,897	115,947	155,505	26,623	128,883	139,262	22,042	117,221
1958		26,842	122,255	136,291	23,642	112,648	148,816	26,449	122,366	186,102	23,324	112,778
1957		35,898	127,027	146,144	31,189	114,956	162,578	35,118	127,460	145,954	30,569	115,385
1956		36,247	111,598	130,767	31,254	99,514	148,269	36,317	111,952	131,891	31,510	99,881
1955	128,405	34,321	94,084	113,807	30,407	83,400	129,368	34,407	94,961	114,806	30,615	84,192
1954	109,524	33,860	75,664	97,198	30,133	67,065	109,899	33,579	76,321	97,674	29,969	67,706
1958	112,559	39,319	73,240	97,344	34,969	62,375	112,935	39,188	73,747	97,627	34,775	62,852
1952	116,375	45,223	71,152	101,263	40,732	60,532	114,797	43,726	71,071	99,703	39,273	60,429
1951	108,086	44,571	63,515	93,674	40,482	53,192	110,236	46,763	63,472	96,257	43,024	53,233
1950		35,376	51,251	73,451	31,757	41,693	87,829	36,043	51,778	74,785	32,510	42,269
1949		41,251	44,451	74,701	37,626	37,076	84,286	39,681	44,604	73,063	36,136	36,927
1948		47,726	43,199	76,910	43,270	33,640	89,449	45,775	43,667	75,714	41,348	34,358
1947		53,627	40,170	80,889	49,044	31,844	97,160	54,088	43,072	84,508	49,558	34,949
1946		53,045	27,213	69,520	49,143	20,378	77,225	49,124	28,101	66,376	45,113	21,263
1945		61,375	32,646	81,182	56,499	24,682	94,559	61,460	33,099	81,452	56,332	25,120
1944		48,071	33,789	66,305	42,196	24,109	87,385	53,050	34,335	71,717	46,919	24,798
1943		29,292	31,792	44,789	24,508	20,231	66,716	33,682	33,034	50,232	28,826	21,406
1942		13,611	30,331	28,258	10,326	17,982	47,706	16,354	31,352	31,976	13,149	18,827
1941		20,940	38,121	42,616	16,767	25,849	62,596	21,869	40,726	46,142	17,701	28,441
1940 1939 1938 1937		19,220 17,769 19,020 19,527 20,682	39,324 51,223 51,496 52,033 45,290	45,393 57,973 59,223 59,980 55,038	15,740 14,558 15,899 16,747 17,510	29,652 43,421 48,324 48,233 37,528	62,171 70,306 71,286 72,880 66,066	20,248 18,156 18,829 19,938 20,069	41,923 52,150 52,456 52,942 45,997	48,996 59,218 60,064 61,177 55,381	16,766 14,903 15,742 17,134 16,967	32,230 44,316 44,322 44,043 38,414
1935		22,372	42,240	54,289	18,893	35,395	64,887	22,126	42,761	54,722	18,651	36,071
1934		23,192	40,594	58,132	19,186	33,946	63,702	22,799	40,903	53,162	18,901	34,261
1933		22,488	38,448	51,564	19,051	32,513	61,287	22,434	38,853	52,083	19,093	32,990
1932		24,278	40,559	55,229	20,643	34,587	64,446	23,865	40,582	54,900	20,204	34,695
1931		26,907	45,875	60,427	21,499	38,929	73,501	26,854	46,647	61,204	21,417	39,787
1930		31,866	49,387	66,499	24,620	41,879	81,307	31,560	49,747	66,500	24,154	42,346
1929		32,241	50,361	66,853	25,208	41,645	82,343	31,927	50,416	67,030	25,045	41,985
1928		31,285	48,926	62,809	22,991	39,818	80,667	31,734	48,938	63,331	23,180	40,151
1927		29,289	45,021	58,921	22,001	86,920	75,440	29,793	45,647	59,759	22,078	37,681
1926		26,890	50,043	63,759	21,091	42,668	79,041	28,532	50,509	65,583	22,234	43,349
1925 1924 1923 1922		27,947 29,628 27,725 31,738 31,185	41,431 38,664 38,594 83,453 31,100	55,636 54,726 52,775 51,701 49,958	21,148 22,462 20,984 23,633 24,402	34,487 82,264 31,791 28,068 25,556	70,229 68,910 66,624 64,839 62,665	27,808 30,092 27,932 31,759 30,181	42,421 38,818 38,692 33,080 32,484	57,160 55,294 53,215 51,799 50,423	21,394 22,896 21,305 23,755 23,432	35,766 32,397 31,910 28,044 26,991
1920	64,104	32,119	31,985	51,531	26,225	25,306	67,817	34,053	33,764	54,980	27,875	27,106
	46,702	21,933	24,769	36,381	16,224	20,157	51,257	24,992	26,265	40,751	19,138	21,617
	45,456	19,284	26,173	31,101	11,256	19,845	46,014	19,206	26,808	31,869	11,280	20,589
	50,472	18,725	31,747	36,521	10,898	25,623	52,077	19,146	32,931	88,094	11,339	26,755
	51,550	17,928	83,622	37,744	9,446	28,298	52,428	17,902	34,521	38,946	9,763	29,182
1915	46,710	13,275	33,435	35,032	6,830	28,202	46,885	13,418	33,467	35,458	7,110	28,347
1914	53,389	13,730	39,659	40,052	5,436	34,616	53,183	13,740	39,443	39,743	5,185	34,558
1913	50,639	13,073	37,567	37,973	5,241	32,732	51,152	13,946	37,206	37,566	5,289	32,277
1912	46,158	11,257	34,901	34,659	4,572	30,087	46,417	11,703	34,713	34,706	4,794	29,912
1911	42,675	9,693	32,982	32,457	4,302	28,155	42,437	9,753	32,684	32,299	4,427	27,871
1910	40,236	8,888	31,347	30,917	4,214	26,703	39,706	8,809	30,897	30,510	4,196	26,314
	39,058	8,771	30,287	30,243	4,403	25,840	38,196	8,492	29,705	29,604	4,215	25,389
	38,539	8,473	30,066	30,444	4,314	26,130	38,282	8,435	29,846	30,198	4,288	25,910
	36,622	8,116	28,507	29,248	3,924	25,324	35,990	8,093	27,898	28,499	3,797	24,702
	34,155	7,613	26,543	27,401	4,023	23,379	33,784	7,581	26,204	26,970	3,923	23,047
1905	30,983	7,081	23,903	24,793	4,120	20,673	31,158	7,203	23,955	25,020	4,259	20,760
	29,952	6,679	23,278	24,111	3,806	20,305	30,016	6,641	23,374	24,192	3,836	20,356
	31,094	6,907	24,187	24,698	3,881	20,817	31,316	6,975	24,841	24,823	3,931	20,892
	30,654	6,961	23,693	24,361	4,020	20,342	30,444	6,822	23,623	24,242	3,956	20,287
	29,768	6,381	23,387	24,791	3,980	20,811	29,820	6,417	23,403	24,889	4,020	20,870
1900		6,136	22,027	23,534	3,974	19,559	28,281	6,209	22,072	23,618	4,006	19,612
1899		5,841	20,770	21,963	3,333	18,631	26,266	5,472	20,794	22,177	3,463	18,714
1898		5,240	20,339	21,700	3,362	18,338	25,748	5,111	20,637	21,892	3,231	18,661
1897		5,525	18,235	20,003	3,611	16,391	23,709	5,618	18,091	19,878	3,637	16,241
1896		5,196	15,798	17,453	3,673	13,779	21,415	5,330	16,085	17,819	3,741	14,078
1895	19,295	4,473	14,822	16,725	3,677	13,049	19,751	4,504	15,246	17,024	3,616	13,408
	19,990	4,655	15,335	17,025	3,649	13,376	20,272	4,740	15,532	17,306	3,747	13,560
	19,582	4,359	15,223	16,679	3,498	13,186	19,761	4,403	15,357	16,825	3,537	13,288
	21,013	4,470	16,543	18,180	3,747	14,434	21,161	4,536	16,625	18,258	3,751	14,507
	18,204	4,381	13,823	15,394	3,670	11,724	18,261	4,455	13,805	15,411	3,716	11,695

Series Q 506-517. Net Tonnage Capacity of Vessels Entered and Cleared: 1789 to 1970—Con.

			Vessels	entered	_				Vessels	cleared		•
		All ports			Seaports 1			All ports			Seaports 1	
Year	Total	U.S. vessels	Foreign vessels	Total	U.S. vessels	Foreign vessels	Total	U.S. vessels	Foreign vessels	Total	U.S. vessels	Foreign vessels
	506	507	508	509	510	511	512	513	514	515	516	517
1890	18,107	4,083	14,024	15,366	3,405	11,961	18,149	4,067	14,082	15,429	3,390	12,039
1889	15,952	3,724	12,228	13,312	3,128	10,184	16,343	3,988	12,355	13,672	3,342	10,329
1888	15,393	3,367	12,026	12,956	2,914	10,042	15,669	3,415	12,254	13,252	2,944	10,308
1887	15,816	3,366	12,451	13,532	2,871	10,661	15,753	3,259	12,494	13,511	2,771	10,740
1886	15,136	3,232	11,904	12,230	2,762	9,468	15,328	3,303	12,024	12,413	2,806	9,607
1885	15,305	3,132	12,173	12,287	2,709	9,578	15,515	3,232	12,283	12,496	2,809	9,688
1884	15,069	3,202	11,867	12,085	2,821	9,264	15,205	3,237	11,968	12,206	2,845	9,361
1883	16,382	3,256	13,126	13,361	2,835	10,526	16,541	3,307	13,234	13,565	2,895	10,670
1882	17,601	3,341	14,260	14,656	2,968	11,688	17,757	3,318	14,439	14,846	2,936	11,911
1881	18,319	3,254	15,066	15,631	2,919	12,711	18,470	3,376	15,094	15,794	3,040	12,754
1880	18,011	8,437	14,574	15,251	3,140	12,111	18,043	3,397	14,646	15,296	3,078	12,218
1879	16,193	3,415	12,778	13,768	3,050	10,718	16,075	3,464	12,611	13,617	3,071	10,545
1878	14,464	3,642	10,821	11,531	3,009	8,521	14,808	3,872	10,935	11,844	3,196	8,647
1877	13,455	8,663	9,791	10,406	2,958	7,449	13,442	3,765	9,677	10,389	3,043	7,345
1876	12,511	3,611	8,899	9,716	2,928	6,788	12,655	3,732	8,923	9,839	3,037	6,802
1875	11,693	3,574	8,119	9,143	2,887	6,256	11,897	3,737	8,160	9,341	3,061	6,279
1874	13,092	3,894	9,198	10,010	2,915	7,095	13,189	3,982	9,207	10,058	2,961	7,097
1873	11,696	3,613	8,083	8,395	2,443	5,951	11,822	3,757	8,065	8,515	2,574	5,941
1872	10,806	3,712	7,095	7,770	2,585	5,185	10,734	3,682	7,051	7,739	2,598	5,141
1871	10,009	3,743	6,266	6,994	2,604	4,391	9,898	3,747	6,152	6,918	2,635	4,288
1870	9,156	8,486	5,670	6,270	2,452	3,818	9,169	3,507	5,662	6,362	2,530	3,832
	8,750	8,403	5,348	6,032	2,459	3,573	7,754	3,381	4,373	6,114	2,502	3,612
	8,046	3,551	4,495	5,572	2,466	3,106	8,279	3,718	4,561	5,811	2,625	3,186
	7,774	8,455	4,319	5,266	2,146	3,121	7,885	3,420	4,465	5,501	2,270	3,230
	7,782	3,372	4,410	5,008	1,891	3,117	7,822	3,383	4,438	5,161	2,030	3,131
1865	6,161	2,944	3,217	3,827	1,615	2,212	6,620	3,025	3,595	4,161	1,710	2,450
1864	6,538	3,066	3,471	4,167	1,655	2,512	6,832	3,091	3,741	4,279	1,662	2,617
1863	7,255	4,615	2,640	4,205	2,308	1,898	7,511	4,447	3,064	4,343	2,266	2,077
1862	7,363	5,118	2,245	4,191	2,629	1,562	7,339	4,962	2,377	4,205	2,568	1,637
1861	7,241	5,024	2,218	4,559	3,025	1,534	7,151	4,889	2,262	4,410	2,874	1,586
1860	8,275 7,806 6,605 7,186 6,872	5,921 5,266 4,396 4,721 4,385	2,354 2,540 2,209 2,465 2,487	5,000 4,913 4,338 4,843 4,464	3,302 8,328 3,051 3,482 3,194	1,698 1,585 1,287 1,361 1,270	8,790 7,916 7,803 7,071 7,000	6,166 5,297 4,490 4,581 4,538	2,624 2,618 3,813 2,490 2,462	5,257 4,867 4,436 4,882 4,695	3,501 3,315 3,128 3,483	1,756 1,552 1,309 1,398

		Vessels	entered			Vessels	cleared		ļ	Vesse	ls entered, all	ports
		All ports				All ports					U.S.	Foreign
Year	Total	U.S. vessels	Foreign vessels	Seaports 1	Total	U.S. vessels	Foreign vessels	Seaports 1	Year	Total	vessels	vessels
	506	507	508	509	512	513	514	515		506	507	508
1855 1854 1853 1852 1851	5,945 5,884 6,282 5,293 4,993	3,861 3,752 4,004 3,236 3,054	2,084 2,132 2,278 2,057 1,939	4,178 4,343 4,157 3,926 8,466	6,179 6,019 6,066 5,278 5,130	4,069 3,911 3,767 3,231 3,201	2,110 2,108 2,299 2,048 1,930	4,435 4,524 4,289 (NA) (NA)	1820 1819 1818 1817 1816	880 869 917 992 1,136	801 784 755 780 877	79 86 161 212 259
1850 1849 1848 1847 1846	3,749 4,369 3,799 3,822 3,111	2,578 2,658 2,893 2,101 2,151	1,176 1,711 1,405 1,220 960	8,013 2,890 2,503 2,429 2,022	4,361 4,429 3,865 8,379 8,189	2,633 2,754 2,461 2,202 2,221	1,728 1,676 1,404 1,177 968	3,167 (NA) (NA) (NA) (NA) (NA)	1815 1814 1813 1812 1811	918 108 351 715 981	701 60 238 668 948	217 48 114 47 33
1845 1844 1843 1842 1842	2,946 2,894 1,678 2,243 2,368	2,035 1,977 1,144 1,510 1,632	911 917 535 733 786	2,011 1,897 (NA) (NA) (NA)	2,984 2,918 1,792 2,277 2,371	2,054 2,011 1,268 1,536 1,634	980 907 5 24 740 787	(NA) (NA) (NA) (NA) (NA)	1810 1809 1808 1807 1806	989 705 586 1,203 1,135	909 605 539 1,116 1,044	80 99 48 87 91
1840	2,289 2,116 1,895 2,065 1,936	1,577 1,491 1,303 1,300 1,255	712 625 592 766 680	1,788	2,358 2,090 2,013 2,023 1,990	1,647 1,478 1,409 1,267 1,316	706 612 604 756 674	1,861	1805 1804 1803 1802 1801	1,010 944 951 944 1,007	922 822 787 799 849	88 122 164 146 157
1835	1,994 1,648 1,608 1,343 1,405	1,358 1,075 1,111 950 923	641 568 497 393 482		2,031 1,712 1,639 1,362 1,244	1,401 1,134 1,142 975 973	631 578 497 388 272		1800 1799 1798 1797 1796	804 732 610 681 722	683 625 522 608 675	121 108 88 78 47
1830 1829 1828 1827 1826	1,099 1,004 1,019 1,056 1,048	967 873 868 918 942	132 131 150 138 106		1,105 1,078 1,048 1,112 1,052	972 945 897 981 953	183 183 151 181 99		1795	637 609 611 659 604	580 526 448 415 864	57 83 164 244 241
1825 1824 1823 1822 1821	974 952 895 889 847	881 850 775 788 765	98 102 119 101 82		1,055 1,022 981 911 888	960 919 811 814 805	95 103 120 97 88		1790 1789	606 234	355 127	251 107

Series Q 506, 25,029; series Q 507, 11,006; series Q 508, 14,023; series Q 509, 16,113; series Q 510, 5,747; series Q 511, 10,366; series Q 512, 25,472; series Q 513, 11,223; series Q 514, 14,249; series Q 515, 16,112; series Q 516, 5,614; and series Q 517, 10,498.

NA Not available.

1 Comprises all ports except northern border ports.

2 As of June 30; figures (in thousands of tons) for July-Dec. are as follows:

Series Q 518-523. Value of Waterborne Imports and Exports (Including Reexports) of Merchandise: 1790 to 1970 [In millions of dollars. For years ending September 30, 1790-1842; June 30, 1843-1915; December 31 thereafter. Includes gold and silver coin and bullion to 1879, imports and exports by land prior to 1871; and all waterborne foreign commerce of ports on the Great Lakes]

		Imports	iu exports by	, izna prior	Exports	an water se	rne foreign comr	nerce or por	Imports	Luci		Exports	
Year	Total	U.S. vessels	Foreign vessels	Total	U.S. vessels	Foreign vessels	Year	Total	U.S. vessels	Foreign vessels	Total	U.S. vessels	Foreign vessels
	518	519	520	521	522	523		518	519	520	521	522	523
1970 1969 1968 1967 1966 1965	24,728 21,570 21,139 17,434 17,319 14,943 13,441			24,394 19,915 19,359 18,636 18,520 16,926 17,089			1876	465 541 581 647 623 526	148 158 176 175 177 163	321 383 405 472 445 363	660 658 708 666 562 583	168 156 174 172 168 190	492 502 584 495 394 398
1963 1962 1961 1960 1959 1958	12,382 11,805 10,644 11,140 11,633 9,700 9,244			14,793 13,705 13,635 13,164 10,618 10,664 12,948			1870 1869 1868 1867 1866 1865 1865 1864	462 437 372 418 446 249 330 253	153 137 123 117 112 74 81 110	309 301 249 301 833 174 248	530 439 477 461 565 356 340 332 230	200 153 175 181 214 93 103 132	380 286 302 281 352 268 287 200
1956 1955 1954 1953 1952 1951	8,899 8,073 7,334 8,292 8,118 8,441 6,754			11,045 9,227 8,286 7,852 9,031 10,109 7,097			1862 1861 1860 1859 1858 1857 1856	206 336 362 339 283 361 315	92 202 228 216 204 259 250	113 134 134 123 79 102 65	230 249 400 357 325 363 327	125 180 279 250 243 251 232	105 69 121 107 81 112
1949 1948 1947 1946 1945 1945 1944	4,965 5,197 4,368 3,691 (NA) (NA) (NA)	2,239 (NA) (NA) (NA)	1,452 (NA) (NA) (NA)	8,475 8,877 11,026 7,705 7,860 11,382 10,275	4,692 4,052 5,582 4,828	3,013 3,808 5,800 5,447	1855 1854 1853 1852 1851 1850	261 301 268 208 216	202 215 192 155 164	59 86 76 53 53 38	275 276 231 210 218	203 191 155 139 152	95 72 84 76 70 66
1985 1934 1933 1932 1931	1,813 1,446 1,287 1,164 1,829	649 528 461 431 619	1,164 917 826 734 1,210	1,973 1,837 1,471 1,385 2,043	705 658 515 476 732	1,268 1,179 956 909 1,311 2,051	1849 1848 1847 1846 1845 1844 1843 1842	148 155 147 122 117 108 65	120 129 113 106 102 94 50	26 83 16 15 14 15	146 154 154 113 115 111 84	101 110 100 87 87 78 65	52 45 44 54 27 28 38 19
1929 1928 1927 1926 1925 1924 1923 1922 1921	2,635 3,807 3,550 3,662 3,891 3,716 3,145 3,312 2,704 2,187	1,205 1,133 1,215 1,195 1,151 1,012 1,040 921	2,602 2,418 2,447 2,696 2,565 2,133 2,272 1,783 1,422	4,322 4,277 4,097 4,050 4,224 4,010 3,539 3,281 3,888	1,487 1,487 1,472 1,434 1,401 1,473 1,532 1,358 1,261 1,402	2,835 2,804 2,663 2,649 2,751 2,478 2,181 2,020 2,486	1840	100 128 107 162 115 141 189 150	89 113 93 144 104 122 171 135 114	11 15 14 18 11 19 18 15	105 122 132 121 108 117 129 122 104	80 95 106 95 89 91 97 94 78	25 27 26 26 19 26 32 28 27 22 21
1920	4,731 3,414 2,577 2,590 2,157 1,526 1,738 1,698	1,988 1,228 717 733 532 281 199 193 171	2,743 2,186 1,860 1,857 1,625 1,245 1,539 1,505 1,380	7,252 7,090 5,226 5,403 4,820 2,466 2,048 2,075 1,880	3,165 2,596 986 946 665 291 170 188	4,087 4,494 4,240 4,457 4,155 2,176 1,887 1,729	1883 1832 1831 1830 1829 1828 1827 1826 1827	108 101 103 71 74 89 79 85 96	98 90 94 66 69 82 75 81 92 75 77	10 11 9 4 5 7 5 4 4	90 87 81 74 72 72 82 78 100	68 66 66 64 62 61 72 70 89	22 21 16 10 10 11 10 8 11
1910	1,436 1,467 1,241 1,123 1,340 1,140 1,039 923	147 147 151 152 177 168 161	1,290 1,319 1,090 971 1,164 971 878 791	1,774 1,516 1,481 1,670 1,662 1,550 1,355 1,308	134 114 108 121 142 154 130 97	1,641 1,403 1,373 1,550 1,521 1,396 1,225 1,211	1824 1823 1822 1821 1820 1819 1818 1817	81 78 83 63 74 87 122 99	58 67 67 103 78	5 6 6 5 7 20 18 21	76 75 72 65 70 70 93 88	65 61 55 62 58 75 65	9 9 11 10 8 13 19 28 26 15 8
1903 1902 1901 1900 1899 1898	960 847 776 806 664 586	124 102 93 104 82 94	836 745 683 701 582 492	1,281 1,258 1,376 1,284 1,143 1,158	91 84 84 91 79 68	1,190 1,174 1,292 1,193 1,065 1,090	1816 1815 1814 1813 1812 1811	147 118 13 22 77 53	107 87 8 16 65 48	40 26 5 6 12	88 82 53 7 28 39 61	56 37 4 18 31 58	10 8 9
1896 1895 1894 1893 1892	729 744 699 625 822 788 804	109 117 108 122 127 139 127	620 627 591 504 695 649 677	986 821 758 843 804 997 853	80 70 62 74 71 81 79	906 751 695 769 733 916 774	1810 1809 1808 1807 1806 1805 1804	85 59 57 139 129 121 85 65	79 52 53 180 120 112 77 56	67489889	67 52 22 108 102 96 78 56	60 44 20 98 90 85 67 46	7 8 8 11 11 11 11 9
1890	749 707 692 665 611 556 648 700 702 625	125 121 124 121 119 113 135 136 130	624 586 568 543 492 444 513 564 572 492	825 714 674 695 660 718 714 799 738 894	78 83 67 73 78 82 99 104 97 117	747 631 606 622 582 636 615 694 641 777	1802 1801 1800 1799 1798 1797 1796 1795	76 111 91 79 69 75 81	67 101 83 71 62 69 77 64	9 10 8 8 6 6 5 6	72 93 71 79 61 51 59 48	61 81 62 68 53 45 53 42	11 12 9 10 8 6 6 6
1880 1879 1878 1877	653 454 454 481	149 144 146 152	503 810 307 330	830 729 736 695	109 128 167 165	721 601 570 530	1794 1793 1792 1791 1790	35 31 32 29 23	31 26 21 17 9	3 6 10 12 14	83 26 21 19 20	28 20 13 10 8	5 6 8 9 12

¹ Figures (in millions of dollars) for July-Dec. are as follows: Series Q 518, 817; Q 519, 179; Q 520, 638; Q 521, 1,625; Q 522, 200; Q 523, 1,425.

Series Q 524-529. Tonnage of Waterborne Imports and Exports, by Flag of Carrier Vessel: 1921 to 1970
[In thousands of short tons]

		Imports			Exports				Imports			Exports	
Year	Total	U.S. vessels	Foreign vessels	Total	U.S. vessels	Foreign vessels	Year	Total	U.S. vessels	Foreign vessels	Total	U.S. vessels	Foreign vessels
	524	525	526	527	528	529		524	525	526	527	528	529
1970 1969 1968 1967 1966	299,159 288,620 282,751 256,806 266,075	15,438 10,985 16,321 13,526 15,598	283,721 277,635 266,430 243,280 250,477	289,774 199,286 194,483 187,427 185,978	14,940 13,060 15,599 15,365 17,358	224,834 186,226 178,884 172,062 168,620	1945 ¹ 1944 ¹ 1943 ¹ 1942 ¹	39,426 33,320 30,988 27,393	31,415 26,209 24,740 17,399	8,011 7,111 6,248 9,994	61,608 55,215 47,765 41,670	37,729 34,002 25,302 16,227	23,874 21,213 22,463 25,443
1965	255,596	15,573	240,023	171,811	19,048	152,762	1940	44,667	17,322	27,845	60,929	12,939	47,990
1964	233,774	16,278	217,496	171,431	23,937	147,494	1989	42,054	12,459	29,595	61,697	10,557	51,140
1963	212,542	15,682	196,860	156,122	20,885	135,237	1938	36,756	13,527	28,230	62,286	11,602	50,684
1962	210,631	18,373	192,257	134,001	19,535	114,466	1937	47,110	14,967	32,143	61,105	12,189	48,916
1961	187,887	15,155	172,732	127,519	18,411	109,108	1936	43,003	14,780	28,223	44,480	9,650	34,830
1960	198,830	19,627	179,203	123,887	20,133	103,754	1935	38,042	15,820	22,221	42,723	9,789	32,935
1959	200,481	19,219	181,262	108,281	17,724	90,557	1934	33,392	14,299	19,092	42,360	10,567	31,792
1958	175,605	20,628	154,977	114,748	18,686	96,062	1933	29,755	12,340	17,415	36,272	9,357	26,914
1957	172,030	34,558	137,472	165,796	29,092	136,704	1932	32,156	14,923	17,232	35,666	9,125	26,541
1956	159,472	39,394	120,078	144,755	27,304	117,451	1931	40,168	19,168	21,000	44,855	12,396	32,459
1955	141,123	37,409	103,715	112,796	22,144	90,652	1930	53,270	27,801	25,469	55,699	16,703	38,995
	120,685	36,291	84,395	78,178	18,378	59,800	1929	57,103	28,260	28,844	64,372	20,071	44,301
	119,003	38,468	80,535	80,549	19,448	61,101	1928	53,083	27,089	25,993	65,889	21,602	44,287
	107,421	41,683	65,738	103,048	30,417	72,630	1927	47,245	24,033	23,212	63,768	20,939	42,829
	100,603	42,836	57,767	115,690	43,232	72,458	1926	50,049	23,638	26,411	76,316	19,177	57,140
1950	96,708	42,268	54,435	62,685	20,379	42,306	1925	48,311	23,760	24,551	55,626	17,603	38,024
1949	77,371	41,364	36,007	71,865	26,136	45,729	1924	45,807	24,968	20,889	58,533	20,515	38,018
1948	67,416	40,528	26,888	88,312	34,501	53,810	1923	48,491	25,518	22,973	54,970	18,131	36,838
1947	59,203	37,682	21,521	124,317	61,062	63,254	1922	50,044	31,286	18,758	47,602	18,871	28,731
1946	49,184	32,340	16,844	87,043	49,799	37,244	1921	37,167	26,269	10,898	54,477	20,784	33,692

¹ Excludes U.S. Army and Navy cargo and Great Lakes.

Series Q 530-541. Waterborne Cargo Tonnage, Foreign and Domestic: 1924 to 1970

[In thousands of short tons of 2,000 pounds. For definition of cargo tonnage, see text. Net totals are derived by deducting two types of duplications from unadjusted totals:

(1) Traffic between seaports and river points, and (2) "Other duplications," comprising principally coastwise and lake traffic passing through canals and connecting channels other than the St. Marys Falls Canal and the Detroit River]

			Fo	reign comme	ce	· - ·			Domestic	commerce		
	Foreign and domestic		Through	seaports	Great La	kes ports	Net	Betwee	n ports	Local		Intra-
Year	commerce	Total	Imports	Exports	Imports	Exports	total 1	Coast- wise	Lake- wise	and intraport 2	Internal	territory a
	530	531	532	533	534	535	536	537	538	539	540	541
1970	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	580,969 521,312 507,950 465,972 471,391	812,984 295,648 278,827 248,245 257,178	205,698 168,944 166,580 162,443 155,759	26,406 24,645 32,110 27,720 26,674	35,932 32,075 30,434 27,564 31,785	950,727 927,399 887,889 870,634 862,725	238,440 216,708 214,251 214,647 208,375	157,059 160,844 151,116 153,597 164,037	81,475 87,536 90,730 102,320 99,215	472,123 460,945 430,174 398,593 389,852	1,630 1,366 1,618 1,478 1,247
1965 1964 1968 1962 1961	1,238,094 1,173,767 1,129,404	448,727 421,925 385,659 358,599 329,330	244,874 224,433 209,370 207,041 188,179	142,121 142,874 129,782 110,492 105,959	24,961 24,152 18,006 15,649 11,986	31,771 30,465 28,502 25,417 23,205	829,169 816,168 788,108 770,805 732,825	201,508 205,688 213,853 215,461 206,899	153,695 151,405 141,741 135,744 136,841	102,865 99,579 98,981 102,277 93,929	369,615 357,916 331,902 316,062 294,052	1,486 1,580 1,630 1,262 1,104
1960 1959 1958 1957 1956	1,004,516	339,277 325,670 308,851 358,540 326,690	198,466 198,608 181,480 176,236 163,349	104,810 91,629 101,555 146,890 126,448	12,851 14,878 8,004 10,116 10,865	23,151 20,555 17,811 25,298 26,027	760,573 726,732 695,665 772,862 766,223	209,197 205,509 194,050 196,419 205,910	155,109 131,220 132,289 182,150 173,991	104,193 106,747 105,425 110,824 114,864	291,057 282,269 261,069 281,066 269,734	1,017 987 2,832 2,403 2,225
1955 1954 1953 1952 1951	867,640 923,548 887,722	271,103 213,844 217,396 227,326 232,056	144,276 123,508 120,595 108,674 101,813	95,404 65,244 63,780 85,072 97,603	8,681 5,921 7,387 7,287 6,935	22,742 19,176 25,635 26,293 25,705	745,033 653,796 706,151 660,396 692,073	195,718 187,240 188,758 184,207 186,759	184,809 145,364 188,621 154,112 178,463	112,863 102,719 102,562 103,972 112,029	249,693 217,061 224,957 216,644 213,405	1,951 1,411 1,253 1,460 1,417
1950 1949 1948 1947 1946	740,721 793,200 766,817	169,225 165,358 162,971 188,256 148,877	96,299 77,153 68,078 57,366 47,948	43,640 65,740 65,404 101,996 76,589	5,683 4,839 4,219 4,796 4,163	23,608 17,626 25,270 24,098 20,177	651,359 575,363 630,229 578,561 468,155	182,544 161,431 174,081 153,098 137,609	169,881 145,592 172,491 163,180 138,617	106,906 102,637 113,959 112,668 91,225	190,789 165,703 169,698 149,615 81,668	1,239
1945 1944 1943 1942 1941	605,928 580,581 589,900	172,094 153,736 127,284 99,221 120,652	44,526 39,441 33,077 25,974 54,616	100,838 82,613 63,086 46,023 40,605	6,511 8,055 7,120 4,488 4,628	20,724 23,627 24,001 22,736 20,802	446,812 452,192 453,297 490,679 532,948	90,705 70,806 60,009 74,016 155,927	157,900 164,971 159,458 172,606 168,161	97,822 106,194 106,278 104,189 98,728	87,073 95,821 93,689 92,748 85,368	

Series Q 530-541. Waterborne Cargo Tonnage, Foreign and Domestic: 1924 to 1970—Con. [In thousands of short tons of 2,000 pounds]

			Fo	reign comme	rce			Dor	mestic comm	erce	
	Foreign and domestic		Through	seaports	Great La	kes ports	Net	Betwee	n ports	Local	
Year	commerce	Total	Imports	Exports	Imports	Exports	total 1	Coast- wise	Lake- wise	and intraport 2	Internal
	530	531	532	533	534	535	536	537	538	539	540
1940	607,900	111,255	40,740	49,568	4,118	16,829	496,645	157,027	141,103	97,632	70,217
	569,400	112,667	37,854	57,711	4,941	12,161	456,733	150,983	113,309	87,710	62,014
	466,900	105,182	33,886	55,476	5,110	10,710	361,718	138,545	72,846	76,216	56,034
	583,100	114,413	48,764	52,910	4,102	13,637	468,687	149,740	135,075	91,059	55,295
	525,842	90,247	37,507	37,154	5,423	10,163	435,595	132,515	115,250	88,024	44,337
1935	453,331	81,639	33,942	33,922	4,716	9,059	371,692	115,561	83,628	76,588	35,720
	414,308	77,898	30,553	83,570	4,287	9,488	336,410	113,349	71,685	60,998	84,894
	894,104	69,466	27,670	31,197	3,034	7,565	324,638	110,675	68,911	55,207	26,030
	342,489	70,429	29,843	30,039	8,072	7,475	272,060	94,434	39,544	54,845	27,242
	445,648	89,525	37,375	38,841	4,016	9,293	356,123	113,949	71,788	67,530	37,827
1930	520,280	114,110	46,448	48,148	7,590	11,924	406,170	117,821	109,791	79,414	87,591
	583,800	127,510	51,591	55,761	6,385	13,773	456,290	124,999	135,838	89,528	41,995
	539,200	126,768	46,690	56,151	8,548	15,379	412,432	119,254	119,301	75,728	89,870
	532,500	120,523	43,388	56,550	8,098	12,487	411,977	121,036	112,805	78,020	40,559
	540,500	131,293	44,834	69,859	6,424	10,176	409,207	108,023	115,791	88,270	36,798
1925	483,400	108,548	42,793	49,251	7,317	9,187	374,852	105,090	110,626	59,981	49,787
1924	453,700	101,562	36,425	49,008	4,962	11,167	352,138	88,554	92,563	77,270	34,101

¹ Figures for 1924-1945 are approximations; there are some minor duplications in figures for foreign traffic. Domestic commerce, for 1924-1946, includes "rivers, canals, and connecting channels," not shown separately.

Series Q 542-547. Waterborne Bulk Freight Traffic on the Great Lakes: 1900 to 1970
[In thousands of short tons]

			Dry bulk			Bulk trade				Dry bulk		
Year	Total	Iron ore	Coal	Grain	Stone	in petroleum products	Year	Total	Iron ore	Coal	Grain	Stone
	542	543	544	545	546	547		542	543	544	545	546
1970 1969 1968 1968 1967	209,531 196,267 191,947 192,503 210,128	97,550 96,664 93,667 90,279 95,506	49,684 46,924 48,862 52,891 55,585	23,820 16,595 16,325 17,617 25,014	38,477 36,083 33,093 31,717 34,022	13,873 13,149 12,834 12,110 12,980	1935 1934 1933 1932 1931	82,887 75,739 71,373 41,673 74,149	31,766 24,919 24,218 3,997 26,284	35,289 35,477 31,777 24,857 31,176	6,750 7,951 8,713 8,890 9,480	9,082 7,392 6,665 3,929 7,209
1965 1964 1963 1962 1961	195,332 192,041 174,341 157,490 154,201	88,063 87,489 75,374 70,656 68,205	54,574 52,143 51,643 46,184 43,970	21,875 21,637 18,777 15,919 16,608	30,819 30,771 28,547 24,781 25,418	11,168 10,790 12,417 13,893 14,874	1930 1929 1928 1927 1926	112,529 138,574 127,331 120,760 121,289	52,173 73,028 60,458 57,240 65,563	38,072 39,255 34,823 34,794 31,011	9,851 10,021 16,372 14,693 12,087	12,433 16,270 15,678 14,033 12,628
1960 1959 1958 1957 1956	169,857 144,622 141,434 196,206 192,267	81,842 57,625 61,362 97,752 89,819	46,701 47,228 44,950 56,780 57,375	14,135 13,609 12,626 11,235 14,320	27,179 26,160 22,496 30,439 30,753	14,295 14,410 14,025 16,628 16,137	1925	113,292 98,047 121,029 89,455 68,034	60,571 47,737 66,122 47,727 24,977	28,049 25,861 33,137 19,869 26,661	13,320 15,223 11,850 14,267 12,470	11,352 9,226 9,920 7,592 8,926
1955 1954 1953 1952 1951	193,759 151,298 199,697 168,677 189,750	99,871 68,090 107,346 83,900 99,783	53,378 46,367 51,035 46,284 50,946	10,788 11,866 14,317 15,215 13,150	29,722 24,975 26,999 23,278 25,871	15,532 14,901 16,810 17,448 16,297	1920 1919 1918 1917 1916	106,519 91,762 114,614 115,102 117,053	65,551 52,839 68,495 69,998 72,503	26,410 26,424 32,102 31,193 28,440	6,736 6,092 6,549 7,162 10,556	7,822 6,407 7,468 6,749 5,554
1950 1949 1948 1947 1946	177,953 151,697 185,612 177,606 147,955	87,591 77,902 92,890 87,246 66,478	57,640 40,930 60,564 58,060 53,727	9,327 12,543 9,877 11,409 10,198	23,395 20,322 22,282 20,891 17,552	13,331 12,607 10,956 10,145 10,217	1915	93,050 72,940 100,018 87,174 68,646	51,877 35,864 54,959 53,129 35,987	26,220 27,282 33,362 24,673 25,700	11,099 9,794 11,697 9,372 6,959	3,854
1945 1944 1943 1942 1941	175,083 184,159 175,653 182,731 172,287	84,801 90,911 94,534 103,125 89,732	55,246 60,163 51,969 52,534 53,535	18,718 16,229 11,810 8,502 11,387	16,318 16,856 17,340 18,570 17,633	9,364 10,196 9,450 8,940 9,387	1910	80,015 71,954 53,791 74,743 66,152	47,733 46,686 28,479 46,245 42,015	26,478 18,617 19,288 21,487 17,274	5,804 6,651 6,024 7,011 6,863	
1940 1939 1938 1937 1936	145,216 114,230 75,118 134,688 114,415	71,358 50,482 21,575 70,111 50,201	49,320 40,368 34,623 44,319 44,699	9,645 11,172 10,679 5,829 7,434	14,893 12,208 8,241 14,429 12,081		1905	58,008 40,331 45,571 44,374 37,064	37,494 23,774 26,488 30,284 22,576	14,401 12,370 13,351 9,196 9,820	6,113 4,187 5,732 4,894 4,668	
							1900	35,298	20,799	8,908	5,591	

² Includes figures for harbor traffic of New York, Philadelphia, and San Francisco; local traffic of other seaports, and local traffic of lake ports.

³ Beginning 1959, excludes traffic in Alaska and Hawaii; such traffic included in other domestic traffic categories.

Series Q 548-552. Freight Traffic on the Sault Ste. Marie Canals: 1855 to 1900

[In thousands of short tons, except grain in thousands of bushels]

Year	Total traffic	Iron ore	Coal	Grain	Stone	Year	Total traffic	Iron ore	Coal	Grain	Stone
	548	549	550	551	552		548	549	550	551	552
1900 1899 1898 1897 1896	25,648 25,256 21,285 18,983 16,239	16,444 15,328 11,707 10,634 7,909	4,487 3,941 3,776 3,039 3,023	56,664 88,398 88,418 80,814 90,705	49 39 5 6 18	1875 1874 1878 1872 1871	833 655 888 746 586	493 428 504 883 327	101 61 97 81 47	1,486 1,270 2,430 1,013 1,686	(Z) 3 2 5 6
1895 1894 1893 1892 1891	15,068 13,196 10,797 11,214 8,889	8,062 6,549 4,015 4,901 8,560	2,574 2,797 8,008 2,904 2,508	54,547 36,414 45,887 42,661 89,849	24 21 19 40 44	1870 1869 1868 1867 1866	540 868 299 825 289	410 239 192 223 152	16 28 26 23 20	354 324 285 249 230	5
1890	9,041 7,516 6,411 5,495 4,528	4,775 4,096 2,571 2,498 2,088	2,177 1,629 2,105 1,858 1,010	18,262 18,325 20,619 23,872 19,707	48 34 84 13 9	1865 1864 1863 1862 1861	182 284 237 162 88	147 214 182 113 45	11 8 11 12	144 78 59 77	
1885 1884 1883 1882 1881	3,257 2,875 2,267 2,080 1,568	1,235 1,136 792 987 748	895 706 714 430 296	15,697 12,508 6,677 4,202 8,825	8 6 2 5 1	1860 1859 1858 1857 1857	154 122 57 52 34	120 66 31 26 12	9 4 5 4	133 72 21 41 82	
1880	1,322 1,051 987 913 1,074	677 540 556 568 610	171 111 92 92 125	4,659 8,578 2,138 1,728 2,396	2 2 3 3 2	1855	15	1	1		

Z Less than 500 short tons.

Series Q 553-555. Commercial Ocean Traffic on the Panama Canal: 1915 to 1970

[For years ending June 30. Includes oceangoing tolls-paying vessels and foreign naval vessels of 300 net tons and over (Panama Canal measurement) for vessels rated on net tonnage, or 500 tons displacement and over for vessels rated on displacement tonnage]

Year	Number of transits	Tolls (\$1,000)	Cargo (1,000 long tons)	Year	Number of transits	Tolls (\$1,000)	Cargo (1,000 long tons)	Year	Number of transits	Tolls (\$1,000)	Cargo (1,000 long tons)
	553	554	555		553	554	555		553	554	555
1970	13,658	94,620	114,257	1950	5,448	24,430	28,872	1980	6,027	27,060	30,018
1969	18,146	87,423	101,373	1949	4,793	20,541	25,305	1929	6,289	27,111	30,648
1968	13,199	83,907	96,550	1948	4,678	19,957	24,118	1928	6,253	26,922	29,616
1967	12,412	76,769	86,193	1947	4,260	17,597	21,671	1927	5,293	24,212	27,734
1966	11,925	69,095	81,704	1946	3,747	14,774	14,978	1926	5,087	22,920	26,030
1965	11,834	65,443	76,573	1945	1,939	7,244	8,604	1925	4,592	21,394	23,957
1964	11,808	61,098	70,550	1944	1,562	5,456	7,003	1924	5,158	24,285	26,993
1963	11,017	56,368	62,247	1943	1,822	7,357	10,600	1923	3,908	17,504	19,566
1962	11,149	57,290	67,525	1942	2,688	9,752	13,607	1923	2,665	11,192	10,883
1961	10,866	54,128	63,670	1941	4,727	18,158	24,951	1922	2,791	11,269	11,596
1960	10,795	50,939	59,258	1940	5,370	21,145	27,299	1920	2,393	8,508	9,372
1959	9,718	45,529	51,153	1939	5,903	23,661	27,867	1919	1,948	6,164	6,910
1958	9,187	41,796	48,125	1938	5.524	23,170	27,387	1918	1,989	6,429	7,526
1957	8,579	38,444	49,702	1987	5,387	28,102	28,108	1917	1,738	5,621	7,055
1956	8,209	36,154	45,119	1986	5,382	23,479	26,506	1916 ¹	724	2,403	3,093
1955	7,997 7,784 7,410 6,524 5,593	33,849 33,248 31,918 26,923 23,906	40,646 39,095 36,095 33,611 30,073	1935	5,180 5,234 4,162 4,362 5,370	23,307 24,047 19,602 20,695 24,625	25,810 24,704 18,161 19,799 25,065	1915 2	1,058	4,367	4,888

 $^{^{1}}$ Canal closed about 7 months by slides.

² Canal opened Aug. 15, 1914.

Series Q 556-557. Tonnage Moved on New York State Canals: 1837 to 1970 [In short tons of 2,000 pounds]

Year	All canals	Erie division, freight originating	Year	All canals	Erie division, freight originating	Year	All canals	Erie division, freight originating	Year	All canals	Erie division, freight originating
	556	557		556	557		556	557		556	557
1970	2,734,963	983,986	1935	4,489,172	3,898,506	1900	3,845,941	2,145,876	1865	4,729,654	2,528,490
1969	3,248,440	1,492,071	1934	4,142,728	3,645,125	1899	3,686,051	2,419,084	1864	4,852,941	2,535,792
1968	3,249,035	1,409,769	1933	4,074,002	3,574,951	1898	3,860,063	2,338,020	1863	5,557,692	2,955,302
1967	3,219,994	1,332,853	1932	3,643,433	3,186,094	1897	3,617,804	2,584,906	1862	5,598,785	3,204,277
1966	8,147,129	1,814,250	1931	3,722,012	3,277,986	1896	3,714,894	2,742,438	1861	4,507,635	2,500,782
1965	3,270,796	1,508,546	1930	3,605,457	3,044,271	1895	3,500,314	2,356,084	1860	4,650,214	2,253,533
1964	3,194,696	1,500,946	1929	2,876,160	2,422,204	1894	3,882,560	3,144,144	1859	8,781,684	1,753,954
1963	3,225,526	1,541,251	1928	8,089,998	2,535,684	1893	4,331,963	3,235,726	1858	3,665,192	1,767,004
1962	3,279,944	1,610,959	1927	2,581,892	2,047,774	1892	4,281,995	2,978,832	1857	8,344,061	1,566,624
1961	8,223,558	1,583,098	1926	2,369,367	1,935,278	1891	4,563,472	3,097,853	1856	4,116,082	2,107,678
1960	3,415,095	1,772,789	1925	2,344,013	1,945,466	1890	5,246,102	3,303,929	1855	4,022,617	2,202,463
1959	3,719,919	1,976,739	1924	2,032,317	1,691,766	1889	5,370,369	3,673,554	1854	4,165,862	2,224,008
1958	4,000,580	2,056,733	1923	2,006,284	1,626,062	1888	4,942,948	3,321,516	1853	4,247,853	2,196,308
1957	4,468,589	2,675,853	1922	1,873,434	1,485,109	1887	5,553,805	3,840,513	1852	3,863,441	2,129,334
1956	4,858,044	3,053,219	1921	1,270,407	993,639	1886	5,293,982	3,808,642	1851	3,582,733	1,955,265
1955	4,616,399	2,779,491	1920	1,421,434	891,221	1885	4,731,784	3,208,207	1850	3,076,617	1,635,089
1954	3,859,335	2,895,291	1919	1,238,844	842,164	1884	5,009,488	3,389,555	1849	2,894,732	1,622,444
1953	4,497,231	3,211,982	1918	1,159,270	667,374	1883	5,664,056	3,587,102	1848	2,796,230	1,599,965
1952	4,487,858	3,112,480	1917	1,297,225	675,083	1882	5,467,423	3,694,364	1847	2,869,810	1,661,575
1951	5,211,472	3,673,104	1916	1,625,050	917,689	1881	5,179,192	3,598,721	1846	2,268,662	1,264,408
1950	4,615,613	3,620,346	1915	1,858,114	1,155,235	1880	6,457,656	4,608,651	1845	1,977,565	1,038,700
1949	3,949,739	2,685,635		2,080,850	1,361,764	1879	5,362,372	3,820,027	1844	1,816,586	945,944
1948	4,513,817	3,121,411		2,602,035	1,788,453	1878	5,171,320	3,608,634	1843	1,513,439	819,216
1947	3,790,050	2,514,643		2,606,116	1,795,069	1877	4,955,963	3,254,367	1842	1,236,931	712,310
1946	2,820,541	1,685,516		3,097,068	2,031,735	1876	4,172,129	2,418,422	1841	1,521,661	906,442
1945 1944 1943 1942 1941	2,968,682 2,506,840 2,824,160 3,539,101 4,505,059	1,665,447 1,729,448 2,166,393 2,760,596 3,512,829	1910 1909 1908 1907 1906	3,073,412 3,116,536 3,051,877 3,407,914 3,540,907	2,023,185 2,031,307 2,177,443 2,415,548 2,385,491	1875 1874 1873 1872 1871	4,859,958 5,804,588 6,364,782 6,673,370 6,467,888	2,787,226 3,097,122 3,602,535 3,562,560 3,580,922	1840 1839 1838 1837	1,416,046 1,485,713 1,883,011 1,171,296	829,960 845,007 744,848 667,151
1940	4,768,160 4,689,037 4,709,488 5,010,464 5,014,206	3,587,086 3,643,782 3,349,250 4,173,700 4,220,397	1905 1904 1903 1902 1901	3,226,896 3,138,547 3,615,385 3,274,610 3,420,613	1,999,824 1,945,708 2,414,018 2,105,876 2,257,035	1870 1869 1868 1867 1866	6,173,769 5,859,080 6,442,225 5,688,325 5,775,220	3,083,132 2,845,072 3,346,986 2,920,578 2,896,027			

Series Q 558. Federal Expenditures for Rivers and Harbors: 1822 to 1970
[In thousands of dollars. For years ending June 30]

Year	Total	Year	Total	Year	Total	Year	Total	Year	Total
	558		558		558		558		558
1970	1,050,803 1,124,790 1,170,845 1,182,958 1,208,301	1940 1939 1938 1937 1936	107,082 115,987 135,921 178,825 106,239	1910	29,273 34,579 30,361 23,310 25,955	1880 1879 1878 1877 1876	8,080 8,267 8,791 4,655 5,786	1850	42 26 24 44 219
965	1,092,588 993,916 1,004,022 889,936 863,600	1935 1934 1933 1932 1931	162,375 104,873 76,788 84,260 80,903	1905 1904 1903 1902 1901	22,814 22,546 19,590 14,948 19,544	1875 1874 1873 1872 1871	6,434 5,704 6,312 4,962 4,421	1845	529 813 111 82 79
1960	800,948 721,767 624,558 545,032 489,118	1930	73,970 57,299 70,197 60,620 63,464	1900 1899 1898 1897 1896	18,736 16,094 20,792 13,686 18,119	1870 1869 1868 1867 1866	3,528 3,545 3,457 1,217 295	1840 1839 1838 1837 1836	145 780 1,054 1,362 869
1955 1954 1953 1952 1951	455,612 475,418 272,130 214,957 204,699	1925	69,882 62,025 47,478 43,393 57,166	1895 1894 1893 1892 1891	19,944 19,888 14,804 13,024 12,253	1865 1864 1863 1862 1861	305 102 65 37 172	1835 1834 1833 1832 1831	569 598 704 538 652
1950 1949 1948 1947 1946	190,456 160,431 115,728 89,170 79,542	1920 1919 1918 1917 1916	47,188 33,078 29,594 30,487 32,450	1890 1889 1888 1887 1886	11,740 11,234 7,007 7,786 4,197	1860	228 290 427 268 161	1830	574 524 188 136 87
1945	57,146 64,366 84,368 88,664 86,530	1915 1914 1913 1912 1911	46,834 50,762 42,275 35,861 33,968	1885 1884 1883 1882 1881	10,558 8,237 13,889 11,624 9,072	1855 1854 1853 1852 1851	791 937 489 40 70	1825	40 26

Q 559-564

TRANSPORTATION

Series Q 559-564. Investment in Canals, by Region and Agency of Enterprise: 1815 to 1860 [In millions of dollars]

	τ	nited State	S	Northeast	South	West		υ	Inited State	s	Northeast	South	West
Year	Total	State	Private				Year	Total	State	Private			
	559	560	561	562	563	564		559	560	561	562	563	564
1860	1.2 1.9 2.8 3.5 4.2	1.0 1.4 1.6 2.9 8.2	0.1 .5 1.1 .7 1.0	1.1 1.7 2.3 3.0 3.6	0.1 .2 .4 .5	0.1 .1 .2	1837 1836 1835 1834 1833	8.2 4.4 3.5 4.4 5.3	3.9 1.8 2.0 2.8 2.7	4.3 2.6 1.5 1.6 2.6	4.4 2.9 2.9 3.9 4.9	1.2 .3 .1 .1 .2	2.7 1.2 .5 .4
1855	5.3 4.7 3.8 3.4 4.7	4.2 3.8 2.4 1.9 2.0	1.1 .9 1.4 1.5 2.8	4.6 4.0 3.3 2.8 3.8	.3 .2 .5	.4 .5 .3 .1	1832 1831 1830 1829	4.6 3.7 7.5 7.0 7.8	2.9 2.2 5.1 3.7 4.0	1,7 1.5 2.4 3.2 8.7	4.2 3.0 6.1 5.2 6.0	.1 .1 .5 .8 .7	.4 .7 1.0 .9 1.0
1850	4.9 3.4 4.5 4.7 1.8	2.3 1.9 1.5 1.1 .8	2.5 1.6 3.0 3.6 1.0	4.2 2.9 8.9 8.5	.7 .4 .8 .6 .7	.1 3 .6 .7	1827 1826 1825 1824 1823	5.6 4.0 2.7 2.5 2.8	2.3 1.5 1.5 1.8 2.2	3.8 2.5 1.2 .7	4.3 3.0 2.2 1.9 2.4	.4 .3 .4 .6	.9 .8 .1
1845	2.0 1.0 1.0 3.1 11.7	1.1 .7 .7 2.6 9.8	.9 .3 .3 .6 1.9	.7 .2 .3 1.8 8.8	.3 .1 .3 .5	1.0 .8 .6 1.1 2.4	1822 1821 1820 1819 1818	2.7 1.6 1.1 .8	2.3 1.3 .8 .6	.3 .2 .2 .2 .1	2.2 1.3 .8 .7 .6	.4 .3 .3 .1	
1840 1839 1838	14.8 13.6 12.3	11.3 9.5 7.2	3.0 4.1 5.1	8.4 7.8 6.0	1.2 1.9 1.9	4.7 4.4 4.4	1817 1816 1815	(Z) .2 (Z)	.1		.2		

⁻ Represents zero. Z Less than \$50,000.

Air Transportation (Series Q 565-637)

Q 565-637. General note.

Only scattered data on air transportation are available for years before 1926. Regular collection of national statistics began with the establishment in that year of an Aeronautics Branch in the Department of Commerce. In 1934 a Bureau of Air Commerce was organized in that department. The Civil Aeronautics Act of 1938 created the Civil Aeronautics Authority, an independent regulatory agency, which was reorganized in 1940 into 2 separate entities, the Civil Aeronautics Board and the Civil Aeronautics Administration. In 1958, the latter's functions were transferred to the Federal Aviation Agency, which in turn was made a part of the Department of Transportation in 1966 and renamed the Federal Aviation Administration (FAA). The FAA's annual Statistical Handbook of Civil Aviation is the source for the statistics presented here.

Federal promotion and regulation of civil aviation are carried out by the Civil Aeronautics Board and the Federal Aviation Administration. The Board issues certificates permitting persons to engage in air transportation as a business, fixes air mail rates which they may charge, and may establish maximum and minimum rates for transportation of passengers and goods. The responsibility for investigation of aviation accidents, formerly held by the Civil Aeronautics Board, now (1975) resides with the National Transportation Safety Board of the Department of Transportation.

The principal activities of the Federal Aviation Administration are: Controlling the use of navigable airspace; prescribing regulations dealing with the competence of airmen, airworthiness of aircraft, and aircraft control; operation of air route traffic control centers, airport traffic control towers, and flight service stations; the design, construction, maintenance, and inspection of navigation, traffic control, and communications equipment for the airways; and promotion of air safety.

These agencies publish annual operational data on the use of airway facilities; data related to the location of airmen, aircraft, and airports; the activity volume in the field of non-air carrier (general aviation) flying; and aircraft production and registration.

Statistics of domestic scheduled airline operations cover trunk airlines, local service airlines, helicopter carriers, and territorial airlines except those operating in Alaska. Scheduled intrastate airlines are not included anywhere, nor are those operating locally in Alaska. Statistics of international scheduled airline operations include not only operations to and from foreign countries but overseas operations to American possessions. They also include the service of Northwest Airlines and Pan American World Airways between the United States and Alaska. Some companies operate in both the domestic and the international fields, but the statistics are segregated.

Operations of scheduled carriers of cargo only are generally not included.

Q 565-576. Aircraft production and exports, 1913-1970.

Source: U.S. Federal Aviation Administration, FAA Statistical Handbook of Aviation, various annual issues (including, in some cases, subsequent revisions).

There is no aircraft production in Alaska or Hawaii.

Q 577-590. Scheduled air transportation, domestic and international, 1926-1970.

Source: See source for series Q 565-576.

The term certificated route air carrier refers to air carriers holding certificates of public convenience and necessity, issued by the Civil Aeronautics Board, authorizing the performance of scheduled air transportation over specified routes and a limited amount of non-scheduled operations. Certificated route air carriers are often referred to as "scheduled airlines," although they also perform non-scheduled service. Nonscheduled service comprises revenue flights that are not operated in regular scheduled service, such as charter flights, and all nonrevenue flights incident to such flights. Scheduled service is transport service operated over an air carrier's certificated routes, based on published flight schedules, including extra sections and related nonrevenue flights.

For series Q 579, the figures are for "route mileage operated" from the beginning of the series through 1961. Thereafter, they represent the total route miles for passenger/cargo and all-cargo carriers, reported separately in the source.

Series Q 589, average available seats, was derived by dividing passenger seat-miles by revenue miles flown in passenger service.

Q 591-603. Scheduled airline revenues and expenses, 1938-1970.

Source: See source for series Q 565-576.

Q 604-623. Airports, aircraft, pilots, and miles flown, 1926-1970.

Source: See source for series Q 565-576.

Figures for airports and landing fields, series Q 604-605, include civil, military, and FAA (formerly CAA) fields but exclude seaplane facilities prior to 1953. Growth of airports after 1940 was stimulated by Federal defense expenditures during World War II and by the Federal-aid airport program thereafter.

Estimates of the number of certificated pilots, series Q 607-610, refer to persons certificated by FAA in the various classifications. Some may not have been actively engaged in the classification for which they were certificated. The count of certificated pilots after 1941 is not directly comparable with the previous years as the Civil Aeronautics Regulations were amended to permit pilot certificates currently effective on April 1, 1942, to continue in effect indefinitely. This amendment expired on July 1, 1947. The number of commercial pilots, series Q 609, rose sharply after 1944 because the CAA awarded many veterans commercial certificates on the basis of their military flying experience. The number of private pilots, series Q 610, increased sharply after 1939 because of the federally subsidized civilian pilot training program which was initiated in 1939. It gave preliminary training to hundreds of thousands of men who went into the military service. Miles flown, series Q 614-618, includes business flying (by corporate executives or employees or by individuals, including farmers, on personal business), commercial flying (contract, charter, crop-dusting, photographic, etc.), instructional flying, pleasure flying, and other flying (testing, experimental, ferrying, Civil Air Patrol, etc.). Separate data on these five categories are given in the source.

Q 624-637. Air transportation accidents, 1927-1970.

Source: 1927-1962, see source for series Q 565-576; 1963-1970, U.S. Civil Aeronautics Board, Handbook of Airline Statistics, 1971.

An aircraft accident is considered to be any occurrence, while the aircraft is operating as such, which results in fatal or serious injury

to persons or appreciable damage to the aircraft. The aircraft is considered to be "operating as such" from the time the engine is started for purposes of flight until the flight is completed; in the case of gliders, while they are under tow or gliding.

Propeller accidents to persons are included. A collision between two or more aircraft is counted as one accident.

Data include military contract operations for 1956-1970 but not for earlier years. Scheduled cargo carriers are included for 1949-1970, but not for earlier years.

Series Q 565-576. Aircraft Production and Exports: 1913 to 1970

				Number	of aircraft p	roduced					Exports 2	
	l				Ci	vil				Aircraft e	exported 8	
Year	Total	For U.S. Military		Trans-	G	eneral aviatio	מי	Rotor-	Value of all products 1	Num-	Value	Value of all exports 4
			Total	ports	Total	Single- engine	Multi- engine	craft	(\$1,000)	ber	(\$1,000)	(\$1,000)
	565	566	567	568	569	570	571	572	573	574	575	576
1970			8,190 13,600 14,969 14,479 16,397	313 509 702 500 322	7,381 12,581 13,749 13,536 15,723	6,029 10,193 11,479 11,580 13,226	1,352 2,388 2,270 2,006 2,497	496 510 518 443 352	13,466,000 12,764,000 13,850,000 11,894,000 8,725,000	2,383 3,322 3,682 3,881 3,611	1,316,041 1,235,336 1,403,930 787,682 553,908	2,769,345 2,848,745 2,817,654 1,924,976 1,393,422
1965			12,646 10,067 8,121 7,249 7,414	221 158 80 146 180	12,053 9,459 7,628 6,797 6,943	10,028 7,812 6,317 5,765 5,980	2,030 1,647 1,311 1,032 963	372 450 413 306 291	7,057,000 6,431,000 5,617,000 5,900,000 5,842,000	3,129 2,577 2,251 2,131 2,459	482,236 287,345 244,101 323,340 334,790	1,802,098 1,212,442 1,241,132 1,435,477 1,233,863
1960 1959 1958 1958 1957		2,143 2,985 4,235 5,614 6,102	8,181 8,242 6,882 6,805 7,205	238 262 218 322 205	7,726 7,802 6,478 6,173 6,765	6,438 6,785 5,609 5,250 5,715	1,288 1,017 869 923 1,050	217 178 186 310 235	6,429,000 7,134,000 (5) (6) (5)	2,336 1,628 1,689 2,025 1,711	537,138 152,984 204,051 248,943 171,097	1,329,494 769,130 971,541 1,028,729 1,064,838
1955		8,032 8,740 10,626 9,302 5,446	4,820 3,389 4,134 3,509 2,477	113 191 213 194 74	4,563 3,072 3,811 3,247 2,386	3,755 2,717 3,681 3,137 2,337	808 355 130 110 49	144 126 110 68 17	(5) (5) (5) (5) (5) (5)	1,714 1,053 1,377 1,180 894	129,924 102,736 91,003 26,620 18,606	727,549 (NA) (NA) (NA) (NA) (NA)
1950	6,293 6,137 9,838	2,778 2,592 2,536 2,122 1,417	3,520 3,545 7,302 15,617 35,001	129 166 263 278 433	8,391 3,379 7,039 15,339 34,568				(5) (5) (6) ••(6)	756 881 2,259 3,125 2,302	44,287 27,165 66,354 74,477 65,258	(NA) (NA) 153,629 172,190 115,320
1945	48,912 95,272 85,433 47,675 26,289	46,865 95,272 85,433 47,675 19,445	2,047 - - 76,844						\$8,279,000 \$16,047,000 \$12,514,000 \$5,817,000 \$1,804,000	7,599 16,544 13,865 10,448 6,001	663,129 1,589,801 1,215,848 879,995 422,764	1,148,852 2,825,927 2,142,611 1,357,345 626,929
1940	12,813 5,856 3,623 3,773 3,010	6,028 2,195 1,800 949 1,141	7 6,785 8,661 1,823 2,824 1,869						4 370,000 247,905 198,298 114,093 78,149	8,522 1,220 875 628 527	196,261 67,113 37,977 21,076 11,601	311,871 117,807 68,228 39,404 23,143
1985	1,710 1,615 1,324 1,396 2,800	459 437 466 593 812								333 490 406 280 140	6,599 8,195 5,391 4,359 1,813	14,291 17,663 9,180 7,947 4,868
1930	6.193	747 677 1,219 621 532							60,846 91,051 64,662 80,897 17,695	921 948 162 63 50	4,820 5,485 1,760 849 303	8,818 9,125 3,665 1,904 1,027
1925 1924 1923 1922 1921	789 377 743 263 437	447 317 687 226 389						1	12,775 (NA) 13,142 (NA) 7,431	80 59 48 37 48	511 413 909 157 315	784 798 434 495 473
1920 1919 1918 1917 1916	328 780 14,020 2,148 411	256 682 13,991 2,013	72 98 29 135 269						(NA) 14,373 (NA) (NA) (NA)	65 85 20 185 269	598 778 206 1,002 2,158	1,153 13,167 9,084 4,135 7,002
1915 1914 1918	178 49 43	26 15 14	152 34 29						(NA) 790	152 34 29	958 189 82	1,541 226 108

Represents zero. NA Not available.

1 Value of aircraft, engines, parts, parachutes, etc. For 1959-1970, represents net sales value of "complete aircraft and parts" plus "aircraft engines and parts." 1913-1918, fiscal years; 1919-1957, calendar years. Data for the second half of 1918 are included with calendar year 1919.

8 Exclusive of gliders and barrage balloons. 1949-1954, civil aircraft only.

4 Total value of aircraft, engines, parts, etc. Prior to 1922, engine values were not reported separately but were probably included with either "other" internal combustion engines or with "parts" of aircraft. Values for parachutes and their parts have been included only since 1932.

⁵ Comparable data not available.
⁶ Values are for military aircraft produced in the United States only. These data were computed by the War Production Board in terms of August 1943 unit cost. The values are not meant to measure output at current prices or expenditures. The 1940 figure is only for the second half of that year; the 1945 figure covers only the first 8 months.

⁷ Represents domestic civil only; data on new aircraft produced for export not available.

Series Q 577-590. Scheduled Air Transportation, Domestic and International: 1926 to 1970

[As of December 31 or for years ending December 31. All data reflect scheduled operations exclusively. Domestic data include intra-Alaska carriers beginning 1941 for series Q 586 and Q 587; 1948 for series Q 580 and Q 585; 1949 for series Q 582; and 1961 for series Q 581]

	Number	Aircraft	Pouto	Average		Revenue	Revenue	passengers rried	Revenue	Ton-mil	es flown	Fred	Awaraga	Avorage
Year	Number of operators	in service 1	Route mileage in oper- ation	passenger- revenue per passenger- mile	Persons employed	miles	Dupli- cated ² (1,000)	Unduplicated 3 (1,000)	passenger- miles flown (millions)	Express and freight (1,000)	Mail (1,000)	Fuel consumed, gasoline (mil. gal.)	Average available seats	Average speed (m.p.h.)
	577	578	579	580	581	582	583	584	585	586	587	588	589	590
DOMESTIC														
1970		2,437 2,423 2,317 2,194 2,027	171,615 150,431 125,581 119,768 111,488	\$0.0587 .0590 .0561 .0564 .0583					104,156 102,717 87,508 75,487 60,591	1,966,009 1,916,472 1,578,992 1,314,409 1,108,691	705,711 801,416 564,084 405,352 291,277	27 113 223 332	110.4 109.8 100.8 94.4 91.2	350 394 373 354 320
1965	40 40 40 40 41	1,896 1,863 1,832 1,831 1,867	114,110 115,147 114,089 112,944 102,309	.0606 .0612 .0617 .0644 .0628	169,952 153,243 143,112 138,673 136,987	1,088,112 957,575 888,793 827,694 795,165		92,073 79,139 69,366 60,738 56,900	44,141 38,457	943,128 743,963 603,725 554,599 454,142	225,992 189,782 174,439 166,801 150,452	448 507 554 696 743	89.2 86.1 83.4 79.4 72.9	314 297 287 274 258
1960	42 39 39 40 40	1,594 1,596 1,546 1,494 1,347	101,414 95,063 89,569 88,325 84,189	.0609 .0588 .0564 .0531 .0533	133,717 132,042 119,746 119,333 103,489	784,200 791,265 694,050			29,308 25,375 25,379	386,933 344,728 294,018 268,791 247,255	135,923 120,308 107,018 100,218 94,523	922 1,142 1,188 1,165 1,005	65.5 58.7 55.8 53.7 52.4	235 223 220 215 213
1955 1954 1953 1952 1951	42 43 44 46 49	1,212 1,175 1,139 1,078 981	78,992 78,294 78,384 77,894 78,913	.0536 .0541 .0546 .0557 .0561	95,548 84,765 84,651 79,687 72,898				16,802 14,794 12,559	229,966 189,765 179,063 162,047 144,790	88,751 82,768 74,106 70,443 64,734	912 776 692 588 (NA)	51.2 50.1 46.1 42.7 39.6	208 206 198 191 185
1950		960 913 878 810 674	77,440 72,667 68,702 62,215 53,981	.0554 .0576 .0574 .0505 .0463	61,903 59,886 60,416 58,998 69,182	369,826 355,501 338,217 325,054 309,889		17,345 15,081 13,168 12,890 12,213	6,752 5,976 6,105	152,223 123,603 102,360 64,637 38,590	47,740 41,889 38,198 33,086 32,969	418 375 332 294 236	37.5 35.0 32.4 30.0 25.3	
1945		421 288 204 186 370	48,516 47,384 42,537 41,596 45,163	.0495 .0534 .0535 .0527 .0504	50,313 31,198 29,654 26,910 19,223	208,969 138,732 105,355 111,341 134,406	3,849	3,020	2,177 1,632 1,418	22,175 16,974 15,618 11,896 5,257	65,103 51,146 36,067 21,167 13,108	90 65 69	19.1 18.3	156
1940		369 4 276 6 260 291 280	42,757 36,654 34,879 32,006 29,797	.0507 .0510 .0518 .056 .057	15,984 10,639 69,008 7,586 7,079	110,101 82,925 68,610 66,791 64,307	985 932	4 1,077 4 887	7 439	3,476 2,713 2,182 2,162 1,866	10,118 8,611 7,449 6,698 5,741	47 38	16.5 14.7 13.9 12.5 10.7	
1935		363 423 418 456 490	29,190 28,609 28,283 28,956 30,857	.057 .059 .061 .061 .067	5,945 4,201 4,369 4,020 4,314	55,918 41,526 49,256 45,894 43,109				1,098 9597 9423 9290 9221	4,133 10 2,237 11 2,568 11 2,701 11 3,140	20	8.9 7.6	
1930 1929 1928 1927 1926	43 38 34 18 13		⁻	.083 .12 .11 .106 .12	2,778 1,958 121,496	32,645 22,729 10,528 5,856 4,318	* 385 * 162 * 48 * 9 * 6		7 85	9 70 9 59 9 13		6		
INTERNATIONAL	3		205.666	.0500	48.520	369.870		16.260	27.563	949 008	548.845		154.9	482
1969 1968 1967 1966	3 9 10 10		193,554 163,534 158,823 156,745	.0495 .0495 .0501 .0516	53,954 50,283 46,510 42,398	359,476 408,136 350,719 285,711		13,493 16,407 14,020 12,272	22,703 26,451 23,259 19,298	936,554 927,250 796,964 721,609	463,099 679,357 560,402 452,635	92 9 18 31	121.9 135.6	477 476 482 468
1965 1964 1963 1962 1961	10 10 10 10 11		152,293 154,096 153,294 153,219 138,668	.0529 .0545 .0582 .0587 .0608	36,882 34,695 32,327 30,400 29,506	247,766 214,375 192,140 171,500 161,297		10,847 9,381 8,037 7,079 6,112	14,352 11,905 10,138 8,769	597,324 394,681 296,404 264,729 217,164	254,093 180,991 181,257 172,017 144,804	41 46 61 91 128	129.1 127.2 124.8 118.7 108.7	451 441 423 394 357
1960 1959 1958 1957 1956	13 13 12 10 11	173 185 170	133,884	.0635 .0629 .0646 .0655 .0668					7,064 6,124 5,882 5,226	191,585 159,849 133,958 128,239 115,172	103,335 81,997 75,635 66,894 64,355	205 333 330 325 275	89.9 67.5 64.4 61.4 59.0	307 263 258 253 249
1955	9 9 8 7 6	161 161 149	117,282 112,488 111,826 110,465 108,763	.0666 .0676 .0684 .0701 .0710	26,655 24,776 24,741 24,385 22,855	135,441 120,322 114,153 106,158 98,703		3,416 2,875 2,699 2,365 2,042	3,451 3,065	96,378 86,840 79,579 75,706 71,665	61,233 43,554 31,630 28,201 27,089	258 205 189 182 (NA)	56.4 56.7 52.3 49.1 46.4	244 242 230 227 224

Series Q 577-590. Scheduled Air Transportation, Domestic and International: 1926 to 1970—Con.

	Number	Aircraft	_	Average passenger-	_	Revenue	Revenue passen- gers	Revenue passenger-	Ton-mil	es flown	Fuel	Average	Average
Year	of operators	in service ¹	Route mileage	revenue per passenger- mile	Persons employed	miles flown (1,000)	carried, undupli- cated ³ (1,000)	miles flown (millions)	Express and freight (1,000)	Mail (1,000)	consumed, gasoline (mil. gal.)	available seats	speed (m.p.h.)
	577	578	579	580	581	582	584	585	586	587	588	589	590
INTERNATIONAL—Con.													
1950 1949 1948 1946	6 5 5 5 5	160 177 175 154 147	106,401 109,011 105,853 95,503 66,419	.0777	20,883 21,108 24,192 26,154 27,372	105,119 98,053 86,481	1,675 1,520 1,373 1,360 1,041	2,060 1,894	45,603 32,904	26,228 24,410 20,664 15,503 8,165	123 103	41.0 36.6 35.1 35.2 27.2	218 207 199 191 166
1945	5 4 4 4 3	97 70 70 68 83	38,885 29,708 27,211 (NA) (NA)	.0868 .0783 .0794 .0886 .0861	17,968 11,409 9,625 12,803 7,235	22,273 18,458 18,681	476 341 279 269 229	450 312 246 237 163	6,215 5,096	2,630	25 16 14 17 11	18.9 18.5 17.5 17.7 18.0	151 149
1940 1939 1938 1937 1937	3 2 2 2 2	68 84 73 92 94	52,322 43,455 34,968 31,979 31,990	.0857	6,067 5,275 4,266 4,000 2,916	7,043 7,909	163 129 109 * 112 * 88	72 53			9 9 8 7 7	17.7	
1935 1934 1933 1932 1931	2 2 3 3 3	101 99 86 108 100	22,192 19,404 19,574		2,407 2,276 1,926 1,590 1,353	5,857 5,278	* 111 * 97 * 74 * 72 * 59	7 46 7 37 7 25 7 21 7 14			6 6 4 4 3		
1930 1929 1928 1927 1926	3 4 1 1	103 83 57			697 387 (13)	4,301 2,413 146 14	8 33 8 11 8 1				1		

Series Q 591-603. Scheduled Airline Revenues and Expenses: 1938 to 1970

[In thousands of dollars]

			Operating	revenues					Operating	expenses			
						,			Aire	eraft			Net
Year	Total	Passenger	Mail (including subsidy)	Express and freight	Excess baggage	Other	Total	Total	Flying	Direct mainte- nance flight equip- ment	Depreciation flight equipment	Ground and indirect expense	operating income or loss 1
	591	592	593	594	595	596	597	598	599	600	601	602	603
DOMESTIC									!				
1970 1969 1968 1967 1966 2	7,180,121 6,935,606 5,607,054 4,886,572 4,070,323	6,246,416 5,948,446 4,911,881 4,260,000 8,584,835	206,679 224,120 185,654 170,180 161,796	498,322 462,139 343,392 287,254 251,344	12,134 11,699 8,948 7,236 5,954	157,184 161,902	5,297,594 4.475.594	4,005,322 8,702,356 2,948,964 2,501,951 2,007,928	1,505,477 1,229,479	911,297 831,715	696,701 582,190	3,175,616 2,911,069 2,348,630 1,973,648 1,581,731	322,181 309,460
1965 ² 1964 ² 1963 ² 1962 ² 1961 ²	3,608,506 3,094,628 2,722,464 2,497,900 2,245,495	3,142,048 2,701,111 2,374,392 2,167,476 1,951,491	157,525 149,122 142,775 139,451 129,589	219,612 181,896 152,414 135,947 114,500	12,041 16,674 17,473 19,661 20,399	35,410 35,366	3,165,073 2,777,925 2,579,821 2,407,935 2,244,237	1,539,303 1,448,288	854,650 755,846 698,696 659,186 633,187	639,942 580,092 523,111 496,408 445,859	816,259 279,055 817,496 292,744 283,009	1,354,222 1,162,932 1,040,518 959,646 882,183	142,648 89,965
1960 1959 1958 1957 1956 * *	2,129,311 1,955,116 1,636,231 1,530,228 1,359,480	1 432 207	113,123 94,998 81,814 74,784 66,558	102,766 91,285 77,622 68,591 64,004	21,865 21,362 19,490 18,644 15,175	31,688 25,030 25,098 20,729 20,373	1,848,332 1,588,700 1,488,973	932,907 786,406 780,401	600,840 551,399 474,654 469,587 371,623	257,788 230,404 186,690 176,099 168,490	184,888 151,104 125,062 184,715 96,969	1,048,407 915,425 752,294 708,572 621,341	37,888 106,784 97,531 41,255 101,057
1955	41,201,266 41,042,793 4937,482 4817,680 4702,365	1,060,590 905,840 803,869 695,456 591,187	55,536 65,726 64,484 58,887 57,422	61,102 49,901 47,791 42,828 36,914	12,168 10,631 8,704 7,348 6,069	11,856 10,680 12,622 13,152 10,733	4941,582 4850,448 4723,409	487,376 438,088 361,464	323,220 279,971 253,091 208,665 173,023	135,487 110,299 102,401 92,696 71,687	92,919 97,106 82,596 60,108 43,232	525,493 454,200 412,356 361,939 307,421	124,142 101,211 87,082 94,271 107,001

NA Not available.

¹ Figures for 1961–1970 for domestic airlines are for total aircraft in service, domestic and international.

² Duplication exists where (a) the same passengers were carried on more than 1 route of an air carrier; and (b) where the same passengers were carried by more than 1 air carrier.

³ Duplication has been eliminated where the same passengers were carried on more than 1 route of an air carrier, but still exists where the same passengers were carried by more than 1 air carrier.

⁴ Computed by CAA from reports of duplicated revenue passengers.

Excludes Marine Airlines.

Excludes Colonial and Marine Airlines.

Includes nonrevenue passenger-miles flown.

Excludes Colonial Airlines, Inc., and Hawaiian Airlines, Ltd.

Excludes Colonial Airlines, Inc., and Hawaiian Airlines, Ltd.

Excludes Colonial Airlines, Inc.

Includes Colonial Airlines, Inc.

Includes Colonial Airlines, Inc.

Includes employees of Pan American Airways.

Included with domestic air transportation.

AIR TRANSPORTATION

Series Q 591-603. Scheduled Airline Revenues and Expenses: 1938 to 1970—Con. [In thousands of dollars]

	<u> </u>		·····				<u> </u>					<u> </u>	
			Operating	revenues					Operating	expenses			
									Airc	raft			Net
Year	Total	Passenger	Mail (including subsidy)	Express and freight	Excess baggage	Other	Total	Total	Flying	Direct mainte- nance flight equip- ment	Depreciation flight equipment	Ground and indirect expense	operating income or loss 1
	591	592	593	594	595	596	597	59 8	599	600	601	602	603
DOMESTIC-Con.													
1950 1949 1948 1947 1946	557,803 486,034 434,295 364,840 316,233	444,506 388,931 343,290 308,576 275,594	68,788 59,333 59,309 29,445 20,982	35,122 27,987 24,372 19,378 13,620	5,077 4,452 8,953 8,572 2,993	9,310 5,331 8,371 8,869 8,044	494,645 461,733 431,634 386,199 322,219	241,060 223,193 199,991 169,165 129,250	141,816 127,398 109,636 88,840 70,410	57,841 54,028 49,035 42,903 83,273	41,403 41,767 41,320 37,422 25,567	253,585 238,540 231,643 217,034 192,969	-21.360
1945 1944 1948 1942 1941	214,743 160,928 123,105 108,249 97,311	166,520 116,441 87,481 74,819 69,791	33,694 33,317 24,213 23,470 22,696	10,835 8,306 8,382 6,978 2,919	2,298 2,031 1,720 1,260 766	1,397 883 1,309 1,722 1,139	180,626 124,522 95,563 84,366 89,919	69,223 45,150 84,613 36,392 44,932	43,421 28,238 20,739 21,866 27,392	16,393 11,893 9,132 8,664 9,789	9,409 5,019 4,742 5,862 7,751	111,403 79,872 60,950 47,974 44,987	84,117 86,406 27,542 28,882 7,392
1940 1939 1938	76,864 55,948 42,845	53,308 34,844 24,861	20,090 18,482 15,798	2,078 1,619 1,278	551 346 283	837 657 625	5 70,897 5 51,392 6 43,865	35,179 26,294 24,987	22,093 15,809 14,737	7,496 5 651 5,345	5,590 4,834 4,905	35,028 24,692 18,878	5,967 4,556 -1,020
INTERNATIONAL			440 405	10= 001	45 400	242 227		544.140	*** 100	044 055	400.000	0.50.040	40.004
1970 1969 1968 1967 2 1966 2	1,918,592 1,689,387 1,958,327 1,769,682 1,474,480	1,380,388 1,176,349 1,309,173 1,165,862 995,185	110,197 99,041 185,904 145,051 131,804	197,031 185,502 185,856 163,558 149,529	15,109 14,232 15,823 13,419 14,092	210,867 214,263 811,571 281,792 183,865	1,894,391 1,638,275 1,746,831 1,496,540 1,220,894	944,148 832,503 920,029 792,026 634,423	515,182 456,481 495,035 424,135 329,427	241,077 219,053 244,024 211,874 181,475	187,889 157,019 180,970 156,017 123,521	950,243 805,772 826,802 704,514 586,471	19,201 51,112 211,496 278,142 253,586
1965 ²	1,199,403 1,027,916 920,303 810,446 722,390	887,335 781,649 692,801 595,221 533,159	82,158 71,321 73,989 70,368 59,527	131,119 100,296 80,378 71,252 63,265	13,481 11,149 11,665 10,334 9,570	85,310 63,501 61,470 63,269 56,869	1,001,362 896,187 799,462 723,853 698,685	508,710 471,764 430,073 398,381 400,587	262,597 238,427 216,834 193,422 186,561	146,043 145,186 117,729 113,602 109,493	100,070 88,151 95,510 91,357 104,483	492,651 424,423 369,389 825,472 298,148	198,041 131,729 120,841 86,598 23,706
1960 1959 1958 1957 1956 3	684,672 592,226 530,881 508,827 471,160	527,568 444,618 395,604 385,183 349,019	47,544 40,469 37,962 32,895 39,320	58,802 51,877 45,420 42,879 38,292	10,136 8,845 8,963 9,228 8,271	40,622 46,417 42,932 38,642 36,258	689,477 573,658 519,604 480,495 436,257	303,953 281,988 259,825 241,820 211,783	179,712 170,391 163,516 150,763 182,529	58,392 57,522 47,859 44,828 47,634	65,849 54,075 48,450 46,229 31,620	259.779	18,573 11,277
1955	385,157 859,491 4337,711 4315,141 287,936	212,581	27,221 49,191 53,746 51,532 53,213	32,013 29,784 27,385 26,910 25,245	7,385 6,997 5,248 4,822 3,809	28,093 18,866 18,454 19,290 20,977	366,562 333,337 318,489 304,423 269,865	171,427 157,728 151,308 146,965 129,221	108,954 99,044 91,751 87,442 75,102	34,867 30,856 32,827 33,043 29,856	26,480	175,610 167,178 157,456	26,155 19,221 10,718
1950 1949 1948 1947 1946	260,131 274,155 249,234 209,009 146,754	140,652	55,689 75,197 57,331 82,300 25,061	21,664 22,127 20,809 17,526 11,418	3,244 4,178 4,135 4,388 3,296	18,862 14,173 15,621 14,143 15,567	248,323 252,863 235,287 209,294 139,843	122,776 122,334 110,993 93,766 52,045	70,980 72,347 67,163 53,189 82,027	26,158 26,311 24,241 21,997 11,064	25,638 23,676 19,589 18,580 8,954	124,294	l 13.947
1945 1944 1943 1942 1941		38,859 24,287 19,334 20,971 14,021	12,246 2,889 3,624 9,039 15,473	7,315 5,405 4,401 4,319 1,475	1,571 1,066 803 936 382	9,120 5,235 4,677 5,605 6,639	61,765 39,227 32,079 35,223 35,309		15,297 8,471 8,074		1,852 1,744	38,84 ⁷ 25,874 20,087	7,846 344 760 5,647 2,681
1940 1939 1938		8,812 6,156 4,435	13,439 11,066 8,599	893 613 562	306 237 219	3,472 1,581 1,338	25,666 18,201 14,303						1,256 1,452 850

^{*} Denotes first year for which figures include Intra-Alaskan and Intra-Hawaiian

years because of the revision in the *Uniform System of Accounts and Reports* put into effect on January 1, 1957. The time period covered and the number of air carriers involved precluded a full conversion to the new reporting system, and only limited adjustments in data for 1956 were made by CAB.

4 Sum of the items does not agree with total due to rounding procedure.

5 Includes total operating expenses for Colonial Airlines, Inc., for which distribution by type of expense was not available.

8 Excludes Colonial Airlines, Inc.

7 Excludes Midet Aviation Corporation due to inadequacies in reporting.

^{*} Denotes first year for which figures include intra-Alaskan and intra-Hawahan carriers.

1 Minus sign denotes loss.

2 Items of aircraft operating expense are not comparable with prior years and include items of ground and indirect expenses as follows: (a) direct maintenance flight equipment (series Q600) also includes direct maintenance ground equipment, and indirect maintenance; (b) depreciation flight equipment (series Q 601) also includes other depreciation and amortization expenses; (c) ground and indirect expense (series Q 602) includes only those expenses chargeable to general services and administration.

8 Operating expenses for 1956 are not directly comparable with those for subsequent

Series Q 604-623. Airports, Aircraft, Pilots, and Miles Flown: 1926 to 1970

[As of December 31 or for years ending December 31, except as noted. Includes Alaska, Hawaii, and outlying areas for all years]

Year	Airports and landing fields 1		Total civil	Certificated airplane pilots ³				Federal aid to airports, cumulative since 1947 (mil. dol.)		
	Total	Lighted	aircraft 2	Total	Airline transport	Commercial	Private	Total funds	Federal funds	Sponsor funds
	604	605	606	607	608	609	610	611	612	613
1970 1969 1968 1968 1967 1966	11,050 10,470 10,126	3,554 3,430 3,312 3,149 2,988	154,450 190,749 179,285 166,598 155,132	732,729 720,028 691,695 617,931 548,757	34,430 31,442 28,607 25,817 23,917	186,821 176,585 164,458 150,135 131,539	303,779 299,491 281,728 253,312 222,427	2,458 2,447 2,362 2,193 2,052	1,199 1,198 1,165 1,090 1,018	1,254 1,249 1,197 1,103 1,084
1965 1964 1968 1962 1961	9,490 8,814 8,084	2,878 2,773 2,672 2,481 2,299	142,078 137,189 129,975 124,273 117,904	479,770 431,041 378,700 830,220 804,707	22,440 21,572 20,269 23,220 22,042	116,665 108,428 96,341 275,495 268,707	196,393 175,574 152,209 531,505 513,958	1,887 1,754 1,624 1,198 1,183	935 866 799 578 571	952 888 825 620 613
1960	6,426 6,018 6,412	2,133 1,943 1,809 1,713 1,399	111,580 105,309 98,893 93,189 87,531	783,232 758,368 731,078 702,519 669,079	20,985 19,364 18,303 16,900 15,295	262,437 255,377 245,541 237,149 221,096	499,810 483,627 467,234 448,470 432,688	1,184 1,047 882 782 660	573 509 481 385 326	611 538 451 897 384
1955 1954 1958 1952 1951	6,977 46,760 6,042	1,247 1,108 41,050 1,858 (NA)	85,320 92,067 91,102 89,313 88,545	643,201 613,695 585,974 581,218 580,574	18,700 13,341 12,757 11,357 10,813	211,142 201,441 195,363 193,575 197,900	418,359 898,913 377,854 376,286 371,861	460 382 388 388 368	224 185 193 194 182	236 197 195 194 186
1950 1949 1948 1947 1946	6,484 6,414 5,759	1,670 1,480 1,521 1,447 1,019	92,809 92,622 95,997 94,821 81,002	(NA) 525,174 5491,306 6433,241 400,061	(NA) 9,025 57,762 67,059 7,654	(NA) 187,769 5176,845 6181,912 203,251	(NA) 828,380 5306,699 244,270 189,156	842 277 216 142	165 183 103 68	177 144 112 74
1945 1944 1943 1942 1941	3,427 2,769 2,809	1,007 964 859 700 662	37,789 27,919 27,180 27,170 26,013	296,895 183,383 173,206 166,626 129,947	5,815 8,046 2,815 2,177 1,587	162,873 68,449 63,940 55,760 34,578	128,207 111,888 106,951 108,689 98,782			
1940 1939 1938 1937 1937	2,280 2,374 2,299	776 735 719 720 705	17,928 13,772 11,159 10,836 9,229	69,829 33,706 22,983 17,681 15,952	1,431 1,197 1,159 1,064 842	18,791 11,677 7,839 6,411 7,288	49,607 20,832 13,985 10,206 7,822			[
1935 1934 1933 1932 1931	2,297 2,188 2,117	698 664 626 701 680	9,072 8,322 9,284 10,324 10,780	14,805 13,949 18,960 18,594 17,739	736 676 554 7 330	7,362 7,484 7,635 7,967 8,513	6,707 5,789 5,771 10,297 9,226			
1930 1929 1928 1927	1,550 1,364 1,036	640	9,818 9,922 5,104 2,740	15,280 10,430 4,887 1,572		6,165	7,433 4,265			

Series Q 604-623. Airports, Aircraft, Pilots, and Miles Flown: 1926 to 1970—Con.

]		flown in civil f ed air carrier (n	lying other than nillions)	1	Fuel consumed (general		Domestic air o ton-miles flow	cargo, revenue n ¹⁰ (millions)	
Year	Total	Business 8	Commercial 9	Instructional	Personal and other	aviation) (mil. gal.)	Total	Scheduled carriers	Nonscheduled carriers 11	Supplemental carriers 12
	614	615	616	617	618	619	620	621	622	623
1970 1969 1968 1967 1966	3,207 3,926 13 3,701 12 3,440 13 3,336	1,134 1,426 131,406 131,431 131,536	791 728 ¹³ 666 ¹³ 569 ¹³ 516	450 910 13 814 18 713 13 646	832 867 12 814 13 727 12 638	759 690 610 541 486	2,581 2,769 2,327 2,168 1,944	2,216 2,126 1,775 1,498 1,301	80 365 248 406 389	285 278 305 264 254
1965 1964 1963 1962 1961	13 2,562 13 2,181 14 2,049 15 1,965 14 1,858	18 1 , 204 13 1 , 047 14 983 15 935 14 888	13 461 13 393 14 369 15 367 14 333	13 359 13 284 14 266 15 256 14 203	13 538 13 458 14 430 15 407 14 434	378 307 14 285 15 264 14 257	1,661 1,288 1,095 1,102 829	1,112 894 715 637 533	330 209 210 351 182	220 185 171 115 114
1960 1959 1958 1958 1957	14 1,769 14 1,716 14 1,660 1,426 14 1,315	14 881 14 858 14 847 721 14 672	14 299 14 292 14 299 249 14 247	14 194 14 223 14 232 202 14 158	14 395 14 343 14 282 254 14 238	14 246 14 221 14 209 213 14 201	724 651 567 554 457	476 450 387 396 351	135 138 119 111 47	112 68 61 47 59
1955	14 1,216 1,119 1,045 972 975	¹⁴ 628 553 499 420 380	¹⁴ 246 226 210 218 190	14 121 124 121 144 190	14 222 216 216 190 215	14 193 180 172 141 135	379 277 281 259 261	319 248 254 244 217	20 6 10 5 26	41 24 18 10 18
1950 1949 1948 1947 1946	14 1,062 1,129 1,470 1,502 875	14 340 309 299 228 122	4 181 166 143 150 108	14 287 379 755 849 479	4 255 275 273 275 166	¹⁴ 134 135 183 160 101	239 153 109 69	211 134 102 65	16 5 7 4	13 13
1942	294 346	30 27	47 51	188 197	29 71	26 30				
1940	264 178 129 103 93	26 25 19 16 12	32 34 25 23 25	126 66 46 35 30	80 52 39 30 27	23 17 10 11 11				
1935 1934 1933 1932 1931	85 76 71 78 94	13 12 12 12 12 13	23 21 20 22 26	23 17 16 18 25	26 26 23 26 29	11 10 9 11 12				
1980 1929 1928 1927 1926	108 110 60 30					14 14 8 4 2				

NA Not available.

¹ Includes seaplane bases, heliports, and, beginning 1954, military fields having joint civil-military use. Prior to 1954, all military fields are included.

² 1946-1962 includes gliders. Beginning 1950, active and inactive aircraft.

³ Beginning 1963, data are for active certified airplane pilots only. Also beginning 1963, total includes student, helicopter, glider, and other pilots, not shown separately.

⁴ As of Mar. 1, 1954.

⁵ As of May 1, 1949.

⁶ As of Apr. 1, 1948.

⁷ Airline transport rating became effective May 5, 1932.

⁸ Corporation and individual business transportation, not for hire.

Passenger and cargo transportation for hire, aerial application (crop dusting, spraying, seeding, etc.), patrol, survey, and other miscellaneous work use.
 Comprises express and freight ton-miles.
 Includes some military ton-miles and may include a small amount of international traffic.
 Civil and military.
 Estimated from information received on Aircraft Use and Inspection Reports.
 No survey was conducted. Data for 1958-61 have been revised using a correction factor based on the 1962 survey of aircraft use in general aviation. Data for 1963 are based on hours and use reported on aircraft inspection reports adjusted by the same correction factor.
 The 1962 general aviation survey excluded gliders, dirigibles, and balloons. These data have been adjusted to include them.

TRANSPORTATION

Series Q 624-637. Air Transportation Accidents: 1927 to 1970

		Domestic s	cheduled a	ir carriers		Ir	iternationa	l scheduled	air carrier	g 1	Non-	air-carrier f	lying opera	tions
Year	Total acci- dents	Num- ber of fatal acci- dents	Total passen- ger- fatali- ties	Plane- miles flown per fatal accident (1,000)	Passenger- fatalities per 100 million passenger- miles flown ²	Total acci- dents	Num- ber of fatal acci- dents	Total passen- ger fatali- ties	Plane- miles flown per fatal accident (1,000)	Passenger- fatalities per 100 million passenger- miles flown	Total acci- dents	Fatal acci- dents	Fatali- ties	Miles flown per fatal accident (1,000)
	624	625	626	627	628	629	630	631	632	633	634	635	636	637
1970	81 37 44 43 50	1 7 11 8 4	132 258 226 59	3 157,037 3 184,176	(Z) .3	8 11 10 8 8	-	2 - 47 - -	3 390,630 (X) 3 209,282 (X) (X)	(Z) (X) (X) (X)	4,640 4,767 4,968 6,115 5,712	622 647 692 603 573	1,254 1,495 1,399 1,228 1,151	5,155 6,068 5,348 5,972 5,822
1965	55 45 39 35 56	6 6 4 5 5	205 106 48 158 124	3 161,371 3 224,180 3 166,660	.1 .1 .3	8 8 10 8 42	1 8 1 -	21 94 78 - -		.1 .6 .6 (X) (X)	5,196 5,070 4,690 4,840 4,625	538 504 482 430 426	1,029 1,056 893 857 761	4,762 4,827 4,250 4,568 4,861
1960	62 61 42 44 55	5 10 9 4 4 4	326 209 114 32 143	\$ 94,619 \$ 198,553 208,014	.7 .4 .1	5 6 12 7 3	2 1 2 1	59	3 89 387	.1 .8 .2 .6 (X)	4,798 4,576 4,584 4,200 8,474	429 450 384 438 356	787 823 717 800 669	
1955 1954 1958 1952 1951	6 45 7 49 37 44 45	8 4 5 6 11	156 16 86 46 142	141,123 107,331 79,600	.1	5 5 6 11 10	2 3	94	144,921 (X) 59,250 36,275 102,534	.04 (X) .1 3.0 1.1	3,343 3,381 3,232 3,657 3,824	384 393 387 401 441	619 684 635 691 750	2,424
1950 1949 1948 1947 1946	39 35 56 44 33	4 8 5 8 9	96 96 83 199 75	44,622 67,889 40,832	1.3 1.3 3.2	6 9 12 9 14	23	44 20		(X) 1.0 1.1	4,505 5,459 7,850 9,253 7,618	499 562 850 882 690	1,352	2,008 1,728 1,708
1945	40 30 23 23 27	8 5 2 5 4	76 48 22 55 35	27 768	2.2 1.3 3.7	5 7 2 2 5	1	10		(X) 1.2	4,652 3,343 3,871 3,324 4,252	322 169 167 143 217	220	(NA) (NA) 2,058
1940	30 28 23 42 65	3 2 5 5 8	35 9 25 40 44	41,616 13,818	1.2 4.5 8.3	8	1 3 1 2	11	(X) 7,042 2,347 7,909 3,452	13.0 13.9	1,900	232 203 176 184 155	274	876 734 560
1935 1934 1933 1932 1931	58 71 100 108 118	8 8 9 16 13	15 17 8 19 25	5,190 5,472 2,868	9.0 4.6 14.9	1 7	1	6		(X) 28.9	1,503 1,491 1,589 1,986 2,197	161 184 177 207 251	253 328 299 318 398	377
1980	88 124 85 25	9 21 11 4	24 14 14 1	1,082 957		3			(X)	(X)	2,029 1,586 1,036 253	300 287 215 95	504 457 362 146	

Represents zero. X Not applicable. Z Less than 1/10 of a person.
 Includes scheduled revenue operators only.
 Rates computed on basis of total passengers carried and passenger-miles flown, revenue and nonrevenue. Applies to passenger-carrying service only. Excludes passenger deaths occurring in dynamite/sabotage accidents; July 25, 1957, 1 passenger; Jan. 6, 1960, 29 passengers; May 22, 1962, 37 passengers; May 7, 1964, 41 passengers.
 Represents aircraft revenue-miles per fatal accident.

⁴ Midair collision, nonfatal to air-carrier occupants.
⁵ Includes 2 midair collisions nonfatal to air-carrier occupants.
⁶ Excludes sabotage disaster at Longmont, Colo., on Nov. 1, 1955 in which 5 crew members and 39 passengers were fatally injured.

⁷ Includes 1 ground collision between 2 air-carrier aircraft, 1 in scheduled passenger service and 1 in other revenue operations.

Communications

Telephone and Telegraph Systems (Series R 1-92)

R 1-92. General note.

Among the primary sources of governmental historical statistics relating to the telephone and telegraph industries are the following:

- 1. U.S. Bureau of the Census. Compendium of the Seventh Census of the United States, 1850; Compendium of the Tenth Census of the United States, 1880; Statistics of Manufactures, 1890, Census Bulletin No. 196, June 1892.
- 2. U.S. Bureau of the Census. Quinquennial censuses of the telephone and telegraph industry, 1902–1937: Bulletin No. 17, Special Reports: Telephones and Telegraphs, 1902; Special Reports: Telephones, 1907; Bulletin No. 102, Telegraph Systems: 1907; Telephones and Telegraphs and Municipal Electric Fire-Alarm and Police-Patrol Signaling Systems, 1912; Census of Electrical Industries: 1917, Telegraphs and Municipal Electric Fire-Alarm and Police-Patrol Signaling Systems; Census of Electrical Industries: Telephones—1917, 1922, and 1927; Census of Electrical Industries: Telephones and Telegraphs, 1932 and 1937. (Multiple year titles represent different volumes for each year.)
- 3. U.S. Interstate Commerce Commission. Reports of telephone and telegraph carriers, 1914-1933:
 - a. Memorandum Concerning Telephone Companies and Telegraph Companies Reporting to the Interstate Commerce Commission for the Years 1916 and 1917 (processed).
 - b. Annual Report on Telephone Companies, 1920-1927, 1928-1932, and 1933 (processed); Annual Report on Telegraph Companies, 1926-1927, 1928-1932, and 1933 (processed).
- 4. U.S. Congress. Report on Communication Companies (Splawn Report), issued as House Report No. 1273, 73d Cong., 2d sess. (1934) in connection with the consideration of the Communications Act of 1934. This report contains detailed data from the carrier reports filed with the Interstate Commerce Commission and also the results of a questionnaire to the telephone, telegraph, and radio industries for 1922–1932.
- 5. U.S. Federal Communications Commission. Reports of telephone and telegraph companies filed monthly and annually with that agency, 1934–1970. Selected data from these reports have been issued either monthly or quarterly, and annually (in processed form), in the Commission's annual reports to Congress and beginning 1939, in the FCC's annual Statistics of the Communications Industry in the United States.
- 6. U.S. Federal Communications Commission, Investigation of the Telephone Industry in the United States, House Document No. 340, 76th Cong., 1st sess. (1939). This report includes the results of the Commission's investigation of the American Telephone and Telegraph Company (AT&T). Page 609 of the report refers to a number of staff reports, or exhibits, containing more detailed statistical and other material prepared in connection with the investigation and issued in processed form. These staff exhibits and reports are listed under the title, Special Investigation Docket No. 1.
- 7. Statistics for 1926-1934 obtained by the Federal Communications Commission from telephone and telegraph companies and designed to afford the FCC a basis for determining whether carrier rates were just and reasonable and in enforcement of other statutory responsibilities. (The text of the tele-

phone inquiry appears in "Telephone Division Order No. 9," FCC, Reports, vol. 1, p. 49; the text of the telegraph inquiry is in "Telegraph Division Order No. 12," FCC, Reports, vol. 1, p. 88. Responses are available to the public at the Commission.)

Other major sources of telephone and telegraph statistics are the annual reports to stockholders by AT&T (Bell), the Western Union Telegraph Company, and statistics of independent (i.e., non-Bell) telephone companies compiled and published by the United States Independent Telephone Association.

A major factor affecting the statistics of the telephone and telegraph carriers has been the prescription of uniform systems of accounts for these companies by the Interstate Commerce Commission and by the Federal Communications Commission after its formation in 1934. The ICC prescribed a uniform system of accounts for telephone companies having annual operating revenues exceeding \$50,000, effective January 1, 1913, and for telegraph carriers, effective January 1, 1914. The ICC issued more detailed accounting systems, effective January 1, 1933, for Class A companies, and condensed classifications for Class B companies, effective January 1, 1934. The FCC adopted a revised uniform system of accounts for Class A and Class B telephone companies, effective January 1, 1937. The outstanding change was a requirement that telephone plant be recorded in the accounts at original cost, i.e., cost at time of first dedication to public The FCC adopted a revised uniform system of accounts for Class C telephone companies, effective January 1, 1939 (the earlier ICC system had been established, effective January 1, 1915). The FCC differentiates among Class A, B, and C companies on the basis of operating revenues, which have had varying limits over the years.

The reporting authority of the FCC relates only to telephone and telegraph carriers engaged in interstate and foreign communication which cross State or national boundary lines over their own facilities or through connection with facilities of an affiliated carrier having such facilities. Thus, carriers filing reports with the FCC (with the exception of a small number of companies filing voluntarily) exclude a large number of small, and a few large, telephone companies.

R 1-45. General note.

The Bell System provides the great bulk of local exchange and interexchange or toll telephone facilities and service in the United States. It includes the parent company of the Bell operating telephone companies, consolidated with "associated holding and operating companies in the United States, not including connected independent or sublicensee companies." The figures as presented are "statements of the Bell Telephone business as a whole, eliminating all duplications and showing the figures and results as 'if operated by a single company." The parent company has been American Telephone and Telegraph Company since January 1, 1900; prior to that date it was the American Bell Telephone Company. The number of companies included within the Bell group has varied from time to time. In 1914, approximately 35 companies were included and in 1915-1916 the number increased to 39. Subsequent consolidations reduced the number to 29 in 1920 and to 25, including Cincinnati Bell, Inc., and Southern New England Telephone Company in 1970. Since 1936, however, AT&T in its consolidated financial statements has excluded these 2 large noncontrolled companies. For comparability with previous years, however, the figures have been adjusted to include

these 2 companies using reports filed by them with the FCC. "Bell companies" and "Bell System" are at times used interchangeably herein. Unless otherwise specified, the reference is to "Bell System." Included in the Bell organization in 1970 were the following:

- 1. AT&T, which is the parent company.
- 2. 21 regional subsidiaries owned and controlled by AT&T, plus a subsidiary of one of these regional companies. These 22 Bell System principal telephone subsidiaries furnish exchange and intrastate toll service, as well as interstate toll telephone service; they constitute, with the parent, the Bell System of 1970.
- 3. Two other major companies, Cincinnati Bell, Inc. and Southern New England Telephone Company, in which AT&T has substantial minority interests. These 2 companies, together with the 22 above, are referred to as the Associated Companies.
- 4. Bell Telephone Laboratories, Inc., a scientific research and development organization, and Western Electric Company, Inc., which is the Bell manufacturing and supply organization.

In addition, a number of Bell Company affiliates have varying degrees of stock interest in various other telephone companies. Data for series R 1–30 relating to the Bell companies exclude operations of Bell Telephone Laboratories and of Western Electric, except as their operations affect operating expenses and miscellaneous income of the Bell companies. Bell Telephone Laboratories operates on a nonprofit basis and the profits of Western Electric on sales to the Bell companies are not eliminated in the consolidated statements.

The historical growth of the Western Electric Company is described in the FCC Report...on the Investigation of the Telephone Industry..., pp. 56-64. More recent data appear in the "Report on Preliminary Survey and Investigation of Western Electric Company, Inc.," prepared by a committee of National Association of Railroad and Utilities Commissioners and FCC representatives (July 15, 1948, processed), and in annual supplements since 1948. In 1970, AT&T's annual share of the net income of Western Electric was over \$253 million.

Independent companies are referred to as non-Bell companies, although AT&T or Bell companies have financial interests in some of them. The independents participate with Bell in providing toll service, and have contractual arrangements with AT&T and the Bell Associated companies.

R 1 and R 3-8. Total telephones, Bell System telephones, and telephones of independent companies, 1876-1970.

Source: U.S. Federal Communications Commission, unpublished data; American Telephone and Telegraph Company, unpublished data; and the following U.S. Bureau of the Census reports: Telephones and Telegraphs, 1902, table 2, for total telephones in 1880, 1890; table 4, for total telephones in 1902; table 6, for Bell System telephones in 1902; Telephones, 1907, table 51, for total telephones in 1907; table 54, for Bell System telephones; Telephones and Telegraphs..., 1912, table 1, for total telephones and Bell System telephones in 1912; p. 37 for telephones connecting with the Bell System; Telephones and Telegraphs, 1932, table A for total telephones in 1917, 1922, 1927, and 1932; table 12, for Bell System telephones in 1922, 1927, and 1932; Telephones and Telegraphs, 1937, table 1, for total telephones and Bell System telephones in 1937.

The data for 1876–1934 (except census data) were taken from FCC records consisting of *Special Investigation Docket No. 1*, "Report on Control of Telephone Communications," vol. III, Exhibit 2096-D, p. 11 (June 15, 1937, processed), and "Report on American Telephone and Telegraph Company Corporate and Financial History," vol. I, Exhibit 1360-A, pp. 115 and 150. The data for 1935–1956 were supplied to FCC by AT&T; substantially the same data are also available in the AT&T annual reports to stockholders. The data for 1957–1970 were supplied by AT&T, compiled from annual reports and unpublished data.

The number of telephones comprises the total number of instruments and extensions in the system. Telephones also include tele-

graph and teletypewriter stations through 1930 and private line telephones through 1934, but not thereafter. Lines, basically for internal use, on which outside calls to public phones cannot be placed constitute private line telephones.

The households with telephones are based on census figures, utilized by AT&T in conjunction with the number of telephones in residences.

R 2. Telephones per 1,000 population, 1876-1970.

Source: 1876-1956, U.S. Federal Communications Commission, unpublished data (except for census data). For census data and 1957-1970, see source for series R 1 and R 3-8.

Annual figures are based on data supplied to FCC by AT&T.

R 9-12. Average daily conversations, 1880-1970.

Source: U.S. Federal Communications Commission, unpublished data. Figures are based on data supplied to FCC by AT&T.

Generally, exchange service is telephone service within an exchange area. A local call is defined as a call originating in and completed within the same public exchange area; a toll call is one which originates in one exchange destined to another exchange area, whether located nearby or across the continent. In instances in which there is a high community of interest between exchanges, accompanied by considerable calling on a message toll basis, "extended area service" has been established under which adjacent and nearby exchanges are included in the subscriber's local service area. The growth of this type of service each year has significantly affected the number of calls classified as local, which otherwise would have been classified and charged as toll. Moreover, elimination of toll charges through the establishment of extended area service has tended to stimulate telephone usage within the service area.

Conversations are those completed calls originating from company and service telephones, excluding private line telephones. Local calls include both completed and uncompleted calls. Bell System toll messages consist of interstate and intrastate completed calls originated or terminated at Bell System Associated Company telephones, and toll messages originated or terminated at connecting (i.e., independent) company telephones, provided their transmission utilized toll line facilities of a Bell operating company. Toll messages handled wholly over facilities of connecting or nonconnecting independent companies are shown under Independent Companies. Toll message figures include ship-to-shore messages and international messages. Since a toll ticket is made for each toll call, the count can be relatively exact. In very large exchanges, some counts of local calls are automatically accumulated in message registers but in small exchanges the counts are estimates based upon samples.

R 13-16. Telephone toll rates between New York City and selected cities, 1902-1970.

Source: 1902, U.S. Bureau of the Census, Special Reports: Telephones and Telegraphs, 1902, p. 77; 1911-1970, U.S. Federal Communications Commission, unpublished data.

Data for 1911–1917 are based on records of AT&T, newspapers, and other published reports. Data for 1919–1937 are based on information in FCC, Telephone Rate and Research Department, "The Classified Toll Rate Structure and Basic Rate Practices for Message Toll Telephone Service," pp. 40–47 (Jan. 15, 1938, processed). Data for 1940–1970 are based on unpublished data and tariffs of the FCC. Considerable historical toll rate data also appear in the report of a committee of National Association of Railroad and Utilities Commissioners (NARUC) and FCC representatives, Message Toll Telephone Rates and Disparities, annual October issues.

The three major classes of toll telephone messages are dial station-to-station, operator station-to-station, and person-to-person. Dial station-to-station service denotes that service where the person originating the call from other than a coin telephone station dials

the telephone number desired and the call is completed without the assistance of a telephone company operator.

In interstate toll service, operator station rates are over 10 percent higher than dial station rates, and person-to-person rates are over twice the amount of the rates for dial station service. On station calls, the starting point is computed at the time communication is established between the calling and called stations; on person-to-person calls, the chargeable period begins when the person called is reached. There was generally no rate differentiation between station and person service until January 21, 1919.

A paucity of historical data exists with respect to local exchange rates. Such data can only be laboriously constructed from the records of the Bell System companies and other telephone companies or from the tariffs filed with each State which has regulatory authority over the intrastate telephone rates. One source of data pertaining to exchange rates is the Bureau of Census report, Telephones and Telegraphs and Municipal Electric Fire-Alarm and Police-Patrol Signaling Systems, 1912, pp. 49–156, which presents telephone rates of selected cities in 38 States and the District of Columbia. Another source of exchange rate data is provided by the responses of telephone companies to FCC, "Telephone Division Order No. 9," which called for rates in effect in selected size exchanges between 1907 and 1933. These responses are on file at the FCC.

R 17-18. Telephone plant, book value and depreciation reserves, 1880-1970.

Source: 1885–1935, U.S. Federal Communications Commission, unpublished data consisting of *Special Investigation*, *Docket No. 1* "Report on American Telephone and Telegraph Company Corporate and Financial History," vol. I, Exhibit No. 1360-A (Jan. 16, 1937, processed), pp. 73, 102; vol. II, Exhibit No. 1360-B, Schedule 2 (appendix); "Report on Associated Bell Telephone Companies Financial and Operating Data," Exhibit No. 1364 (Jan. 23, 1937), Schedule A-15; 1936–1956, American Telephone and Telegraph Company, annual reports, and FCC, unpublished data; 1957–1970, AT&T, annual reports and unpublished data.

Census data are from the following U.S. Bureau of the Census volumes: Compendium of the Tenth Census, 1880, p. 1332; Telephones and Telegraphs, 1902, table 6, p. 7; Telephones and Telegraphs..., 1912, table 29; Telephones, 1917, table 33; Telephones, 1922, table 34; Telephones and Telegraphs, 1932, table 17, and 1937, table 1 (see general note for series R 1-92 for complete list of census sources).

The FCC's uniform system of accounts, which became effective January 1, 1937, requires establishment of telephone plant accounts on the basis of original cost (cost at time of first dedication to the public use). This applies to all plants ordinarily having a service life of more than one year as well as franchises, patents, rights of way, leaseholds, and other interests in land.

The depreciation policies of the Bell System have undergone various changes from a simple maintenance reserve set up for the purpose of equalizing maintenance charges over a period of years and providing for deferred maintenance expenses, to depreciation rates prescribed by the FCC. Prescription of depreciation rates for Bell companies began in 1949 and initial prescriptions were completed in 1953. For a discussion of Bell System depreciation policies, see Report of the Federal Communications Commission on the Investigation of the Telephone Industry in the United States, pp. 325-349.

R 19. Miles of wire, 1880-1970.

Source: 1880–1884, American Telephone and Telegraph Company, unpublished financial report; 1885–1935, U.S. Federal Communications Commission, unpublished data consisting of *Special Investigation Docket No. 1*, Exhibit No. 1360-A, pp. 76, 115; 1936–1956, AT&T, annual reports, and FCC, unpublished data; 1957–1970, see source for series R 17–18.

Census data are from the following U.S. Bureau of the Census volumes: Compendium of the Tenth Census, 1880, p. 1327; Telephones

and Telegraphs, 1902, table 2; Telephones, 1922, table 21; Telephones and Telegraphs, 1937, table 14.

Miles of wire are not an adequate index of the growth in telephone capacity for a variety of reasons: The shift from single open wire lines to complex cable systems including coaxial tubes; use of carrier systems to increase significantly the number of communication channels over a band of frequencies transmitted over an electrical circuit; and use of microwave radio systems not included in the statistics of wire lines.

R 20-22 and R 27-28. Operating revenues, net income, and dividends, 1880-1970.

Source: 1881–1914, U.S. Federal Communications Commission, unpublished data consisting of *Special Investigation Docket No. 1*, Exhibit No. 1360-A, pp. 39, 54, 73, 81, 89, 109 (for operating revenues and division between local and toll revenues, 1900–1914, Schedule B-2 of *Special Investigation Docket No. 1*, Exhibit No. 1364 combined with Long Lines revenues from p. 395 of Exhibit 1360-B); 1915–1956, American Telephone and Telegraph Company, annual reports, and FCC, unpublished data; 1957–1970, see source for series R 17–18.

Census data are from the following U.S. Bureau of the Census reports (see general note for series R 1-92 for detailed listing of sources): Compendium of the Tenth Census, 1880, p. 1329; Statistics of Manufactures, 1890, pp. 1, 5; Telephones, 1907, table 36; Telephones and Telegraphs..., 1912, table 29; Telephones, 1917, tables 21, 30, and 31; Telephones, 1922, tables 2, 31, 32; Telephones, 1927, table 1; Telephones and Telegraphs, 1932, table 1, and 1937, table 1.

Figures for series R 20-22 for 1900-1914 have been adjusted by the FCC by subtracting uncollectible operating revenues so that they are comparable with figures for 1915-1970.

Operating revenues include monthly service charges; amounts charged for connection, restoration and termination of service, and for moves, instrument changes, and similar service requirements; initial nonrecurring charges for plant or equipment, except initial charges based on the cost of specially assembled private branch exchanges; and amounts of service charges for supplemental or auxiliary equipment as extension stations and auxiliary receivers. Operating revenues include the telegraph services of the Bell System, including revenues derived from teletypewriter exchange service (TWX), and private line service; international radiotelephone service; directory advertising and sales; and rent revenues.

Net income is net operating income and other income, including dividend income and interest income, including interest charged to construction; minus miscellaneous deductions from income and fixed charges (as interest deductions). All of the Bell System operations are included; however, as noted below (see text for series R 25), prior to 1933 only the dividends from controlled companies not consolidated were included.

Dividends declared refer to the entire Bell System operations, excluding dividends paid by one system company to another.

R 23. Operating expenses, 1880-1970.

Source: 1885–1907, U.S. Federal Communications Commission, unpublished data consisting of *Special Investigation Docket No. 1*, Exhibit 1360-A, pp. 54, 73, 109 (figures for operating expenses derived by subtracting net earnings from revenues); 1908–1935, American Telephone and Telegraph Company, annual reports; 1936–1956, AT&T, annual reports, and FCC, unpublished data; 1957–1970, see source for series R 17–18. For census data, see source for series R 20–22 and R 27–28.

For 1885–1907, FCC's figures include all taxes (including Federal income taxes) and interest expense and miscellaneous income. For 1908–1913, figures also include Federal income taxes. For 1914–1920, figures were adjusted to exclude estimated amounts of Federal income taxes by use of annual reports of the individual Bell Telephone

companies to the Interstate Commerce Commission. For 1921–1935, the Federal income tax adjustment was obtained from AT&T unpublished data.

Figures include that portion of the expenses of Bell Telephone Laboratories absorbed by AT&T.

R 24. Federal income taxes, 1914-1970.

Source: 1914–1920, U.S. Federal Communications Commission, unpublished data (approximations derived from annual reports of individual Bell System companies to the ICC); 1921–1935, American Telephone and Telegraph Company, unpublished data; 1936–1956, AT&T, annual reports, and FCC, unpublished data; 1957–1970, see source for series R 17–18.

R 25. Other income, net, 1882-1970.

Source: 1882-1956, American Telephone and Telegraph Company, annual reports, and U.S. Federal Communications Commission, unpublished data; 1957-1970, see source for series R 17-18.

Since 1933, instead of including under this item only the dividends from controlled companies not consolidated, the AT&T has included its proportionate interest in the total earnings or deficits of such companies.

R 26. Interest expenses, 1885-1970.

Source: 1885-1956, American Telephone and Telegraph Company, annual reports, and U.S. Federal Communications Commission, unpublished data; 1957-1970, see source for series R 17-18. Census data are from the following U.S. Bureau of the Census reports: Special Reports, Telephones, 1907, table 57; Census of Electrical Industries: 1917, Telephones, table 30; Census of Electrical Industries: Telephones, 1922, table 31.

Interest expense includes interest on all classes of debt owing to the public but excludes intercompany interest payment.

R 29-30. Employees and wages, 1880-1970.

Source: Series R 29, 1885–1899 and 1907–1935, U.S. Federal Communications Commission, unpublished data consisting of Special Investigation Docket No. 1, Exhibit No. 1360-A, pp. 76, 136, 147; series R 29–30, 1900–1906, and series R 30, 1913–1935, American Telephone and Telegraph Company, unpublished data; series R 29–30, 1936–1956, AT&T, annual reports to stockholders, and FCC, unpublished data; 1957–1970, see source for series R 17–18.

Census data are from the following U.S. Bureau of the Census reports (see general note for series R 1-92 for detailed description of sources): Compendium of the Tenth Census, 1880, p. 1327; Statistics of Manufactures, 1890, p. 1; Telephones and Telegraphs, 1902, tables 2, 6; Telephones and Telegraphs..., 1912, tables 3, 29; Telephones, 1917, table 1; Telephones, 1922, table 1; Telephones 1927, table 1; Telephones and Telegraphs, 1932, table 1; Telephones and Telegraphs, 1937, table 1.

Employee figures for 1885–1935 exclude Western Electric Company. Figures for 1939–1956 also appear in the FCC annual issues of Statistics of the Communications Industry in the United States. These issues also contain detailed reports of the occupational classifications and wage rates of Bell System employees.

R 31-45. Independent telephone companies—property, revenues, expenses, interest, net income, dividends, employees, and wages, 1916-1970.

Source: U.S. Federal Communications Commission, 1916–1934, unpublished data. United States Independent Telephone Association (USITA), 1935–1962, Annual Statistical Volume of the United States Independent Telephone Association, various issues (copyright); 1963–1970, Independent Telephone Statistics, annual issues (copyright).

Census data are from the following U.S. Bureau of the Census reports (see general note for series R 1-92 for detailed description of sources): Telephones, 1917, tables 1, 30, 31, 33; Telephones, 1922, tables 1, 22, 32; Census of Electrical Industries: Telephones, 1927, tables 1, 34; Telephones and Telegraphs, 1932, table 1, and 1937, table 1.

The large discrepancy between the census figures and the Federal Communications Commission and USITA figures is due to the major differences in coverage. The following excerpt from Bureau of the Census, Telephones, 1922, refers to census coverage:

Unit of enumeration ("system" or "line").—So far as practicable, a report was secured for each system or line operated under separate ownership. The terms "system" and "line" are sometimes used synonymously but, in general, the former is employed with reference to the aggregations of lines operated by the larger companies while the latter is more commonly used to denote the small farmer or rural lines. A farmer or rural line may be merely an individual line connected with an exchange under different ownership, or may be a party line without an exchange or connected with an exchange owned jointly with other lines or under independent ownership.

Figures for 1916–1933 were based on ICC annual summaries (which did not differentiate between the Bell System and the independent telephone companies) and were derived by subtraction from the ICC figures of those amounts for each company included on a consolidated basis in the data shown for series R 17–30.

Figures for 1935-1970 were obtained by USITA from reports of independent telephone companies to the USITA. For recent years, the publications provide detailed data on companies reporting to the USITA, and limited data in respect to companies not reporting to the USITA. Certain totals for combined reporting and non-reporting independent companies are shown for 1961-1970 in the USITA 1971 Annual Statistical Volume.

A discussion of the relations between the Bell System and the Independents is presented in the FCC Report...on the Investigation of the Telephone Industry..., pp. 123-146; and a Report of Committee of National Association of Railroad and Utilities Commissioners and FCC representatives, Message Toll Telephone Rates and Disparities.

R 46-74. General note.

Since the 1850's, the Western Union Telegraph Company has been the dominant carrier in the domestic telegraph industry. Established in 1851 as the New York & Mississippi Valley Printing Telegraph Company, this company succeeded by 1866 in acquiring or merging dozens of competing telegraph companies and emerging as the sole telegraph company in the United States. (See Robert Luther Thompson, Wiring a Continent; the History of the Telegraph Industry in the United States, 1832–1866, Princeton University Press, 1947.) In succeeding decades, smaller telegraph companies were formed, serving a region or major cities, often with the intent of forcing Western Union to acquire them. Western Union developed close contractual ties with the railways. Telegraph pole lines were constructed along railroad rights-of-way. The lines were used jointly for general telegraph and railroad telegraph communication and signaling; and railroad stations and personnel were used for the pick-up and delivery of telegraph messages.

Western Union's most serious telegraph rival, Postal Telegraph, was acquired by the Mackay interests in the 1880's as the domestic pick-up and delivery agent for Mackay's Commercial Cable Company (later the International Telephone and Telegraph Company). Until the 1920's, Postal Telegraph competed with Western Union for the larger and more profitable routes. Beginning in the 1920's, Postal Telegraph attempted to provide a nationwide service in full competition with Western Union. Postal Telegraph expanded its own facilities and also made arrangements with the telephone com-

panies, gasoline stations, and others for the pick-up and delivery of telegrams.

The expansion of Postal Telegraph coincided roughly with the emergence of more effective competition from other sources. Predominantly, such competition came from the growth and development of toll telephone service, the expansion of domestic airmail, the introduction of the Bell System's teletypewriter exchange service (TWX), which was sold to Western Union in 1971, and the provision of domestic radiotelegraph service by the international radiotelegraph carriers, RCA Global Communications and the Mackay Companies. (In 1942, as a war measure, domestic radiotelegraph service was discontinued and was not subsequently resumed.) Postal Telegraph's share of domestic telegraph revenues was less than 25 percent. In 1943, Postal Telegraph merged with Western Union. (See U.S. Federal Communications Commission, Reports, vol. 10, pp. 148–198, September 27, 1943, for Commission approval of the specific terms of the merger.)

R 46-55. Western Union Telegraph Company—summary of facilities, traffic, and finances, 1866-1915.

Source: Series R 46-49 (except 1913), The Western Union Telegraph Company, annual reports; 1913, Moody's Investors Service, Moody's Public Utilities Reports, 1919, New York (copyright). Series R 50-55 (except R 52, 1914-1915), U.S. Interstate Commerce Commission, Bureau of Valuation, Accounting Reports, The Western Union Telegraph Company (December 31, 1915 and June 30, 1919); series R 52, 1914 and 1915, U.S. Federal Communications Commission, unpublished data. Census data are from the following U.S. Bureau of the Census reports: 1880, Compendium of the Tenth Census, 1880, pp. 1310-1325; Special Reports: Telephones and Telegraphs, 1902, tables 39, 41; Telegraph Systems: 1907, tables 1-8; Telephones and Telegraphs..., 1912, tables 2, 3.

The data for series R 52, 1914 and 1915, are based on ICC Bureau of Valuation report cited above, Exhibit V, sheets 2 and 3.

According to the Compendium of the Seventh Census, 1854, p. 189, there were 89 telegraph lines having 23,261 miles of wire in 1853. In 1854, the miles of wire were estimated at over 30,000.

The 1880 census data include many companies in addition to Western Union, and the later census data include Postal Telegraph as well as reports from some 15 to 20 small companies. Included in the Postal Telegraph data were the telephone operations of that company. The 1902 census data include the several domestic ocean-cable systems, while the 1880, 1907, and 1912 census figures exclude ocean-cable systems other than the Western Union Cable Division.

Other statistics appear in 60th Cong., 2d sess., Investigation of Western Union and Postal Telegraph-Cable Companies, U.S. Senate Document No. 725 (1909); State of New York, Proceedings of Joint Committee Investigation of Telephone and Telegraph Companies (1910); and Submarine and Land Telegraph Systems of the World, an excerpt from the Treasury Department, Monthly Summary of Commerce and Finance, January 1899.

R 56-70. Domestic telegraph industry—messages, property, revenues, expenses, net income, dividends, employees, and wages, 1916-1970.

Source: 1916-1928, U.S. Interstate Commerce Commission and U.S. Federal Communications Commission, unpublished data (annual reports of Western Union Telegraph Company and Postal Telegraph-Cable Company to the ICC); 1929-1955, FCC, Statistics of the Communications Industry in the United States, 1955, pp. 110-115; 1956-1970, FCC, Statistics of Communications Common Carriers, annual issues, and unpublished data (data are from the annual reports of Western Union Telegraph Company to the FCC). Census data are from the following U.S. Bureau of the Census reports (see general note for series R 1-92 for detailed identification of sources): Census of Electrical Industries: 1917, Telegraphs..., tables 1, 2, 4, 5; Tele-

graphs, 1922, tables 2, 3, 5, 6; Telegraphs, 1927, tables 2, 3, 5, 6; Telegraphs, 1932, tables 2, 3, 4; Telephones and Telegraphs, 1937, tables 2, 3, 4.

For 1916–1928, the Western Union reported landline (domestic) and cable operations on a merged basis; therefore, supplementary material was obtained from Western Union relating to the landline operations. Necessarily, these involve estimates and allocations, the precise bases of which were not specified. For 1929–1955, figures were obtained from annual reports of the telegraph carriers to the ICC and to the FCC, supplemented by correspondence and reference to the reports of the telegraph companies.

Each census report, 1917-1937, included Western Union Cable Division with Western Union telegraph plant. Similarly, the census reports of 1917, 1922, and 1927, in reporting Western Union operating revenues, operating expenses, net income, and dividends declared, include Western Union cables. Apparently, in each census report, number of employees and wages and salaries were for Western Union landline system only.

The census data refer to approximately 15 to 20 minor domestic telegraph companies, in addition to Western Union and Postal Telegraph. In 1943, Western Union acquired Postal Telegraph, and the telegraph company data, beginning in 1944, relate to the single merged carrier.

R 56, messages handled. Prior to 1935, the annual count of revenue messages handled was based on a count of messages during the month of January and was partly estimated. For 1935–1950, most of the Western Union message data were based on an actual count for 2 days in each month at some 400 of the largest offices which together accounted for about 80 percent of total message revenues. The Postal Telegraph data continued to be based on counts and estimates for the month of January projected to annual totals. For 1950–1970, Western Union used a scientifically constructed random message sample, the results of which provide generally reliable monthly and annual message data by service classes and rate zones.

Data include telegraph traffic with Canada and Mexico. Such traffic forms only a small portion of the message data.

R 57, private-line telegraph service revenues of telegraph companies. For 1916–1935, data were furnished to FCC by Western Union and added to annual report figures for Postal Telegraph; for 1936–1943, figures are from annual reports of Western Union and Postal Telegraph.

Private line, or leased circuit, revenues are derived from the lease of wires, cables, channels, circuits, and similar wire-telegraph facilities to banks, airlines, governmental agencies, and other large organizations for the exclusive use of these customers. The charge for such service is based on contractual rent agreements providing for definite periodic terms without regard to the extent of the service obtained by the users of such facilities.

R 58, private-line telegraph service revenues of telephone companies. Data for 1916–1938 apply to the Bell System telephone companies only. Data for 1916–1926 and 1935–1938 were obtained from unpublished data of the Bell System. Data for 1927–1934 were obtained from the Bell System response to the FCC, "Telegraph Division Order No. 12," and appear in "Some Aspects of Competition Affecting the Land Wire Telegraph Industry" (1937), an unpublished FCC staff study. For 1939–1970, data include all telephone companies reporting on an annual basis to the FCC (roughly varying between 60 and 125).

R 59-60, telegraph plant. Effective January 1, 1914, the ICC prescribed a Uniform System of Accounts for telegraph and cable companies and required the carriers to keep their accounts in conformity with this system. All charges made to plant and equipment or other property accounts with respect to any property acquired on or after January 1, 1914, were to be the actual money costs of the property. The ICC did not attempt to prescribe the depreciation rates of the carriers.

In 1940, the FCC adopted a revised uniform system of accounts for wire telegraph and ocean cable carriers, to go into effect January 1, 1942. The effective date was later postponed to January 1, 1943. The new system was designed to supplant the previous system in use since 1914. The FCC prescribed depreciation rates for the telegraph carrier, effective January 1, 1948. After the merger of Western Union and Postal Telegraph, the Commission required that the merged carrier reclassify its plant as of January 1, 1943.

Telegraph plant book costs for 1946–1970 were affected by two conflicting factors: Accelerated retirement of old plant, and addition of new plant as part of the general modernization program of the Western Union Telegraph Company begun in 1946. As part of its modernization program the Western Union Telegraph Company leased substantial plant, in the form of voice channels, from the Bell System.

Census figures on book cost of plant include Western Union cables in all years.

R 61, miles of wire. Wire figures are not a satisfactory measure of the capacity of the domestic telegraph industry for various reasons, including the shift from less efficient open wire to more efficient cable; the introduction of multiplex terminal equipment, which has permitted a significant subdivision of each telegraph channel and the simultaneous transmission of messages on each such subdivision; the leasing from the Bell System telephone companies of voice-frequency channels and the subdivision of these channels into a substantially greater number of telegraph channels; operation by Western Union of its microwave radio system for the transmission of messages; and use of modernized routing and switching systems.

R 62-68, finances, employees, and wages and salaries. Operating revenues are derived, in the bulk, from various transmission and non-transmission telegraph services. However, a small proportion has been derived from incidental services, such as errand service, time service, and code registration. The operations of the former Postal Telegraph toll telephone system were included until February 1, 1952, when Western Union disposed of this service. Also included in operating revenues are revenues derived by the domestic telegraph carrers in handling the domestic haul of insular, mobile, and foreign cable and radiotelegraph communications. Such domestic haul is between the "gateway" cities and the interior of the nation.

To obtain data on total operating expenses, the domestic telegraph carriers (Western Union and Postal Telegraph) were required to subdivide their expense accounts as between domestic and international operations in respect to compensation, overhead, materials and supplies, and other charges. Such allocations are subject to some arbitrariness

Census data for 1917, 1922, and 1927 with respect to operating revenues, expenses, and net income differ from the other data as a result of the inclusion of Western Union cable operations and the inclusion of minor companies, in addition to Western Union and Postal Telegraph.

No adjustments were made in the annual reported income statements. Thus, the net loss shown for 1945 resulted from a substantial retroactive wage award made by the War Labor Board. This was shown in the 1945 statement of the Western Union Telegraph Company as an extraordinary charge (less recoverable income taxes).

Income taxes (through 1963, when the cables were sold) are total Western Union income taxes minus those assigned by the company itself to its cable operations. The amounts assigned to Western Union cables were obtained by the FCC from Western Union on an informal basis. Income taxes for 1924 and prior years are not available separately and are included in total operating expenses.

Dividends declared (through 1963, when the international operations were sold), include the entire operations of Western Union, domestic and international. No basis exists for allocating them.

Number of employees was reported as of different periods: 1929–1934, at the end of June; 1935–1945, at the end of December; and 1946–1970, at the end of October. However, wages and salaries are uniformly reported for the calendar year ending December 31.

R 69-70, Bell Teletypewriter Exchange (TWX) Service. For 1931-1934, data are from responses to FCC, "Telegraph Division Order No. 12"; for 1935-1938, from the FCC Annual Report.

Teletypewriter exchange service (TWX) was initiated November 21, 1931. The revenues from this service, as well as the private line telegraph revenues of telephone companies, are not included in total operating revenues, which is limited to the revenues of domestic telegraph carriers. The TWX service of the telephone industry was purchased by Western Union in 1971.

R 71-74. Domestic telegraph message rates and TWX rates between New York City and selected cities, 1850-1970.

Source: U.S. Federal Communications Commission, unpublished data.

The 1850 rates are cited in William Holmes, History of Telegraph Rates, 1860 to 1913 (an unpublished study obtained by the FCC from the Western Union Telegraph Company), p. 2. The same source states, p. 8, that the New York-Chicago rate from 1866 to October 1. 1869, was \$1.85, although James D. Reid, The Telegraph in America (1886), p. 746, states that the Chicago rate was \$2.05 between 1866 and 1869, and U.S. Senate, 60th Cong., 2d sess., Investigation of Western Union and Postal Telegraph Cable Companies, Document No. 725 (1909), p. 24, claims that in 1866 this rate was \$2.20. Holmes. p. 8, is the source for the 1866 and 1869 New York-Philadelphia rates. Reid, p. 746, quotes the New York-San Francisco rates for 1866 and 1869. The Investigation of Western Union..., p. 24, is also the source for the New York-Denver rate as of 1866. The 1870 rates are mentioned in 51st Cong., 1st sess., Hearings before the House Committee on the Post-Office and Post-Roads on Postal Telegraph Facilities, p. 131. In addition, Holmes, p. 9, states that in 1870 the maximum rate from States north of Washington, D.C., to San Francisco was reduced from \$7.45 in currency (or \$6.75 if paid in gold) to \$5.00 in currency (or \$4.00 in gold). The 1873 rates are shown in Investigation of Western Union..., p. 24. Holmes, p. 10, states that the \$2.50 San Francisco rate became effective February 1, 1873, and a reason given was that \$2.50 was the denomination of a coin in common use on the Pacific Coast. The same source, p. 12, describes the New York-Chicago rate in 1875 as having been 25 cents and in 1877 as being successively increased to 40 cents, 50 cents, and 60 cents. Holmes also states, p. 11, that the New York-Denver rate became \$2.00 in March 1876 and that the San Francisco rate was reduced to \$2.00 in August 1876. However, Reid mentions, p. 747, March 1877 as the date \$2.00 was fixed as the maximum rate between New York City and points east of the Rocky Mountains. The 1883 rates are also from Investigation of Western Union ..., p. 24. Holmes, p. 17, states that the \$1.00 San Francisco rate became effective in March 1884 as part of a general reduction which established \$1.00 as the maximum rate for a 10-word full rate telegram between any two points in the Western Union system. Holmes also reports, p. 17, that in June 1884 the rate between New York and Chicago charged by Western Union was 50 cents, by Postal Telegraph, 25 cents, and by the Baltimore and Ohio Telegraph Company, 40 cents. The 1888 rates are based on State of New York, Report of the Joint Committee of the Senate and Assembly of the State of New York Appointed to Investigate Telephone and Telegraph Companies (transmitted to the Legislature March 21, 1910), p. 687, and the annual report of Western Union to stockholders for 1888, p. 5. The 1890 rates are from Hearings Before the House Committee on the Post-Office and Post-Roads on Postal Telegraph Facilities, p. 68. The rates in effect as of 1908 are from Investigation of Western Union . . . , p. 24, although there is evidence from other sources that some of these rates were put into effect in 1907. The 1919 rates were the result of a 20 percent increase in domestic telegraph rates as set forth in the 1919 Western Union annual report to stockholders, p. 8.

The 1931 TWX rates are from testimony on behalf of AT&T by Mr. Carroll O. Bickelhaupt in the hearings pursuant to FCC, "Telegraph Division Order No. 12."

All rates beginning with the 1946 increase are derived from official tariffs filed with the FCC.

The census report, Special Reports: Telephones and Telegraphs, 1902, states (p. 14) that the first telegraph rate was applicable in 1845 between Baltimore and Washington and was one cent for each group of four characters. The rates shown here are mainly those of the Western Union Telegraph Company. During some of the early years, lower rates were sometimes published by competing companies. The frequent changes in the New York-Chicago rate illustrate particularly the effects of competition. New companies appeared offering lower rates on this basic route and Western Union was forced to meet the competition until such time as it succeeded in acquiring the competing company. Moreover, it is not certain that the published rates were adhered to uniformly, particularly in the early years of telegraph development and in periods of depression. Under the stress of competition, rebates were sometimes allowed.

The rate for the full-rate telegram is the keystone of the telegraph rate structure. Rates for most other public message telegraph services (day letters, night letters, etc.) are a percentage of the rates for the full-time telegram. Between 1908 and 1946, there was no change in the level of the full-rate telegram, except for the increase effected in 1919. However, while maintaining the rate level on its full-rate telegrams, Western Union introduced various new classifications (including the fixed text social message and serials) which in effect provided discounts to the message customer.

TWX is provided only by the Bell Telephone System but this service was sold to Western Union in 1971. As contrasted with message telegraph service, which is a 1-way communication service, TWX provides 2-way, instantaneous communication service between TWX subscribers. The maximum number of words which can be transmitted in the 3-minute rate period depends on the speed of the transmitting operator (provided by the subscriber) and the maximum rated speed of the TWX equipment. In addition to the charges for specific use (measured in time units and distance) of the facilities, TWX subscribers beginning July 1, 1953, were billed a monthly service charge of \$10. This was increased to \$40 on September 1, 1966, and to \$45 on February 1, 1970, for 60-speed service.

R 75-88. General note.

The first successful cable linking North America with Europe was laid in 1866. Radio was not a significant factor in overseas telegraphy until 1920 when the newly formed Radio Corporation of America (RCA) entered the field as successor to Marconi Company of America. The record of hearings held in 1929 before the Committee on Interstate Commerce, United States Senate, 71st Cong., 1st sess., on S. 6, a "Bill to Provide for the Regulation of the Transmission of Intelligence by Wire or Wireless," contains (pp. 960-972) a list of submarine cables of the world, and the year in which each was laid. Few of these cables are now in use, having been replaced by circuits in telephone ocean cables laid since the mid-1950's and, since 1965, also by circuits in microwave radio relayed by satellite. Information on the beginnings of international radiotelegraphy appears in the Report of the Federal Trade Commission on the Radio Industry (1924).

The first overseas radio telephone service was opened in 1927 between New York and London by American Telephone and Telegraph Company. The only overseas telephone service available during 1921-1926 was to and from Cuba by means of cable.

The census data are derived from the special quinquennial census reports of the telephone and telegraph industries (see general note for series R 1-92). With respect to international telegraph, these reports suffer from two major shortcomings. First, the Bureau of the Census was unable to obtain from the Western Union Telegraph Company a division between its landline system and its cable operations with respect to plant and financial operations. Prior to the 1932 census, Western Union provided separate data for its cable operations only in the categories of messages and cable mileage.

In the censuses of 1932 and 1937, Western Union also supplied operating revenue information for its cable system. The absence of Western Union's Cable Division from the census data on the ocean-cable companies largely accounts for the significant differences between the census data and the annual series with respect to telegraph plant book cost and depreciation reserves, operating revenues, operating expenses, and net income.

A second shortcoming of the census data is the lack of adequate coverage of the radiotelegraph industry. The financial information included in the 1922 and 1937 census compilations is seriously distorted because of the failure to exclude various activities of the Radio Corporation of America not related to its telegraph communications business. In the 1932 census, no information on radiotelegraph appeared, while in the 1937 census the published statistics relate only to messages and operating revenue. Consequently, the only census data shown with respect to radiotelegraph are the message statistics, and \$9,515,000 in operating revenues included within the 1937 cable-radiotelegraph total.

R 75-77, R 79-81, R 83-88. Telegraph messages, plant, nautical miles of ocean-telegraph cable, operating revenues and expenses, Federal income taxes, net income, employees, and wages, 1907-1970.

Source: U.S. Federal Communications Commission, 1916-1928, unpublished data; 1929-1956, Statistics of the Communications Industry in the United States, 1955 and 1956 issues, table 19; 1957-1970, Statistics of Communications, Common Carriers, annual issues. Census data beginning 1907 are from the following U.S. Bureau of the Census reports (see general note for series R 1-92 for detailed description of sources): Telegraph Systems: 1907, pp. 10, 19; Telephones and Telegraphs..., 1912, pp. 165, 167; Telegraphs, 1927, pp. 19, 25; Telephones and Telegraphs, 1937, pp. 49, 52.

Annual data prior to 1929 were derived in part from annual reports of the carriers filed with the Interstate Commerce Commission. In large part, these data were obtained through field examinations by the staff of the FCC and from data supplied by the carriers upon specific request.

Figures include Hawaii and Puerto Rico for all years. There is no international telegraph industry in Alaska; however, international telegrams originating or terminating there are included in series R 75-77.

Cable and radiotelegraph messages (series R 75-77) include communications sent from, received in, and transiting the United States and its outlying areas. In addition, radiotelegraph messages include ship-shore messages, and domestic telegraph messages handled over radiotelegraph circuits prior to the closure of such circuits on June 30, 1942.

Plant and depreciation figures (series R 79-80) are on the basis of the currently effective systems of accounts. The radiotelegraph accounts became effective January 1, 1940, and the ocean-cable uniform system accounts January 1, 1943 (replacing an earlier cable accounts system promulgated by the ICC, effective January 1, 1914).

The miles of ocean cable (series R 81) as published have been adjusted in view of the fact that some of the cables were reported and tabulated in statute miles rather than nautical miles.

Federal income taxes prior to 1929 are included in operating expenses (series R 84) in amounts which are not ascertainable. The substantial decline in net income in 1912 compared with 1907 may have been accounted for in large measure by the introduction of depreciation charges which were absent from the 1907 accounts.

Included in employees and compensation (series R 87-88) are the foreign employees of the carriers. The reporting dates for number of employees have varied: For 1929-1934, as of the end of June; for 1935-1945, as of the end of December; for 1946-1970, as of the end of October.

R 78. Overseas telephone calls, 1921-1970.

Source: 73d Cong., 2d sess., Report on Communication Companies, House Report No. 1273, pt. III, No. 2, p. 1459 (1935); and American Telephone and Telegraph Company, unpublished data.

Figures include calls to and from ships on the high seas and most international points. Additional data on radiotelephone service are contained in the Statistics of the Communications Industry in the United States. See also Census of Electrical Industries: Telephones and Telegraphs, 1937, table 9.

R 82. Overseas countries served by direct radiotelegraph circuits, 1912-1970.

Source: U.S. Federal Communications Commission, unpublished data (supplemented and confirmed in Report of the Federal Trade Commission on the Radio Industry and Report on Communication Companies, House Report No. 1273, pt. III, No. 1, pp. 990, 998; pt. III, No. 4, pp. 3934, 3948, and 4188).

R 89-92. International cable and radiotelegraph rates and international telephone rates between New York City and selected cities, 1866-1970.

Source: 1866-1928, scattered sources as indicated below; 1929-1970, U.S. Federal Communications Commission, unpublished data.

New York to London. The first successful transatlantic cable was laid in 1866. James D. Reid, The Telegraph in America (1886), p. 748, indicates that the first telegraph rate on the cable (presumably New York to London) was \$100 for 10 words. Three months later, the same source states, the rate was reduced to \$50 and subsequently to \$25. By 1868, the rate for 10 words had declined to \$15.75, and in 1885 it stood at 40 cents per word. A staff document of American Cable & Radio, Inc., prepared in connection with FCC Docket No. 8777 (1948) indicates that the Western Union Telegraph Company had a 50 cents per word rate in 1884, and that on December 24 of that year the Commercial Cable Company entered the field with a rate of 40 cents per word. The same source indicates that the cable companies other than Commercial Cable reduced their rates to 12 cents per word on May 6, 1886, and Commercial Cable in turn lowered its per word rate from 40 cents to 25 cents. On September 16, 1887, Commercial Cable further reduced its rate to the 12 cent level. Then on September 1, 1888, all the cable companies raised their rate between New York and London to 25 cents per word.

Exhibit No. 190, introduced by RCA Communications, Inc., in the same hearing (Docket No. 8777) shows the same rates, but with somewhat different effective dates; while William Holmes, *History of Telegraph Rates*, 1860 to 1913, p. 23, cites rates which differ in part from those shown here.

In 1916, it became possible to send messages from New York to London through Canada via Marconi Wireless for 17 cents per full rate word. According to the Federal Trade Commission Report on the Radio Industry, p. 36, RCA, on March 1, 1920, began transmitting radiotelegraph messages to Great Britain. The rate initially was 17 cents per word, with an increase to 18 cents on January 1, 1921, and to 20 cents on April 15, 1923. At this point the international cable companies reduced their rate to 20 cents to meet the radio competition. Since then, the rates for cable and radio have been identical.

The rate reductions effective May 1, 1945, provided for a uniform 20 cents per word basic rate from the United States "gateway" cities to a large part of the world (see FCC, Eleventh Annual Report for Fiscal Year Ended June 30, 1945, p. 45). Effective May 1,

1946, all international cable and radiotelephone rates were established on a country-to-country basis at 20 cents and 30 cents per word, respectively.

The reductions in rates, effective July 1, 1950, are the result of "unification" of the full rate and the code rate on all cable and radio-telegraph service. The rates were unified at 75 percent of the existing rate per full-rate word. This had the effect of lowering the charge for full-rate messages but increasing the charge for code messages which at that time formed a substantial portion of international telegraph traffic.

New York to Cairo. Telegraphic communication between New York and Cairo began, probably, in 1870 or shortly thereafter. A Commercial Cable Company tariff book, dated January 1903, indicates a rate of 61 cents per word as of that time. A July 1905 tariff book of the Western Union Telegraph Company shows a New York-Cairo rate of 56 cents per word; 25 cents was the rate for the New York-London haul and 31 cents for the rate beyond London. No record has been found of rates in effect between 1905 and 1925. Data since 1925 are from the FCC based on filed tariffs and correspondence with companies.

New York to Tokyo. No specific record has been found dating the beginning of telegraphic communication with Tokyo. In the hearings before the Senate Committee on Foreign Relations, 54th Cong., 1st sess., Senate Document No. 194 (1896), conflicting testimony was presented with respect to the early rates. The Commercial Cable Company tariff book of January 1903 stated that the rate at that time was \$1.76 per word. Shortly thereafter Commercial Pacific Cable Company opened its trans-Pacific cable and the rate fell to \$1.53 per word. This rate included 12 cents per word for the domestic landline haul from New York to San Francisco. and \$1.41 for the San Francisco-Tokyo leg. Report on Communication Companies, 73d Cong., 2d sess., House Report No. 1273, pt. III. No. 4, p. 3926, is the source of the New York-Tokyo rates between 1903 and 1929. FCC is the source of rates since 1929. For data on radiotelegraph rates lower than cable rates prior to 1925, see FTC, Report on the Radio Industry, p. 35, and testimony before the House Committee on the Merchant Marine and Fisheries, pursuant to H.R. 7357, 68th Cong., 1st sess., p. 170.

New York to Buenos Aires. The 1880 rate is stated in the 1956 Annual Report of the American Cable and Radio Corporation to Stockholders, p. 16. Rates between 1882 and 1927 are derived from testimony before the Senate Committee on Interstate and Foreign Commerce, 71st Cong., 2d sess., on S. 6 (1929–1930) beginning p. 2201, and A Half Century of Cable Service to the Three Americas (1928) published by All America Cables, Inc. When radio service was opened in 1924 the rate was fixed at the same level as the existing cable rate. FCC is the source for rates since 1929.

New York international radiotelephone rates to selected cities. The first overseas radiotelephone service was opened on January 7, 1927, between New York and London. Service to Buenos Aires began April 3, 1930, and to Tokyo, December 8, 1934. The circuit to Cairo, opened August 8, 1932, operated via London until January 7, 1946, when a direct circuit to Cairo was placed in operation. As in telegraph, the Tokyo radiotelephone rate included a landline haul charge until 1946 for the New York-San Francisco haul. Initially \$9.00, the landline charge was reduced to \$6.75 on July 1, 1937, and to \$4.50 on August 1, 1940. All radiotelephone rates presented are for 3 minute weekday person-to-person daytime calls. In addition, there are lower night and Sunday rates on some routes, and on three of the routes station-to-station service is available at either a 25-percent or a 33½-percent discount from the person-to-person rates.

TELEPHONE AND TELEGRAPH SYSTEMS

Series R 1-12. Telephones and Average Daily Conversations (Bell and Independent Companies): 1876 to 1970

[In thousands, except series R 2 and R 3. Census figures in italics] Telephones 1 Average daily conversations Bell System 2 Independent companies Independent companies Total Bell System * Year Connecting with Bell System Not connecting with Bell System Households with Number Per 1,000 population Residence Business Local exchange Toll Local exchange Toll (percent) 1 4 5 6 7 9 10 11 12 120 ,218 115 ,222 109 ,256 103 ,752 98 ,787 93 ,656 88 ,793 84 ,453 80 ,969 77 ,422 87,137 83,210 79,029 74,963 71,481 67,729 64,124 60,876 58,289 55,737 99,903 95,943 91,122 86,776 82,813 78,632 74,659 71,152 68,393 65,507 356,400 337,900 311,800 298,600 288,000 273,400 256,500 246,282 237,942 222,320 102,000 97,500 92,800 87,100 82,800 77,400 73,200 68,400 65,158 33,081 32,012 30,227 28,789 27,308 25,927 24,669 20,315 19,279 18,134 16,976 15,976 15,024 14,134 13,301 22,500 20,700 18,400 16,700 15,400 14,000 12,800 11,784 1970 1969 1968 1967 1966 4,300 4,100 3,900 3,600 3,300 2,700 2,400 2,242 2,074 583.4 565.2 541.5 519.3 499.6 479.0 459.5 442.9 430.7 418.0 90.5 89.8 88.5 87.1 86.3 84.6 82.8 81.4 80.2 78.9 23 577 22,680 21,685 12,576 11,915 11,164 11,164 10,539 10,068 9,549 8,834 8,490 8,015 7,420 6,799 6,552 6,358 6,230 58,005 53,525 48,192 44,174 41,863 37,722 35,946 34,645 27,292 26,384 74,342 * 70,820 66,645 63,624 60,190 56,243 52,806 50,373 48,056 45,636 53,537 (NA) 47,831 45,433 42,832 39,854 37,272 35,411 33,667 31,939 20,805 (NA) 18,814 18,191 17,358 16,389 15,534 14,962 14,389 13,697 11,353 10,710 9,886 9,380 8,843 8,212 7,764 7,359 7,038 6,685 215,317 204,491 193,627 185,304 175,848 166,438 157,423 151,667 147,400 143,235 1,996 *1,785 1,645 1,602 1,518 1,430 1,380 1,365 73 407.8 394.8 379.3 368.2 62,989 60,110 56,759 54,241 78.3 78.0 76.4 75.5 73.8 71.5 69.6 68.0 66.0 64.0 * (Z) * (Z) (Z) 1959 1958 1957 я 1957 1956 1955 1954 1958 1952 1951 54,241 51,344 48,028 45,039 43,010 41,014 38,943 354.5 337.2 322.1 312.7 448 292 9 12,927 12,382 11,891 11,159 10,372 9,458 9,068 8,675 8 300 280.9 270.4 258.1 239.7 221.3 30,077 28,327 26,314 23,708 21,239 6,200 6,524 5,495 5,081 4,697 4,306 4,190 138,881 130,403 123,481 113,075 103,827 1950______ 1949_____ 1948______ 1947_____ 36,795 34,175 32,698 29,773 43,004 40,709 38,205 34,867 6,118 6,125 6,065 5,908 5,544 4,852 4,377 4,046 3,544 3,222 25,539 23,961 22,520 20,353 61.8 60.2 58.2 54.9 51.4 46.2 45.1 45.0 42.2 39.3 10 12 13 14 14 16 66 70 102 90 86 82 99 107 93 68 69 1946_____ 31,611 27,867 26 900 18,645 17,667 21,239 18,409 17,791 17,706 16,619 15,453 221.3 198.1 192.9 191.6 183.4 175.3 26,900 23,547 22,653 22,301 21,000 19,742 89,362 84,618 85,000 86,314 84,360 9,458 9,068 8,675 8,300 8,068 4,306 4,190 4,014 3,853 3,709 1944 1944 1943 26,859 26,381 24,919 23,521 17,067 17,227 17,138 17,141 16,659 1941_____ 14,271 13,446 7,657 7,385 18,311 17,329 16,536 15,332 16,097 15,192 14,280 36.9 35.6 34.6 79,515 74,020 70,070 2,852 2,705 2,596 21.928 3 550 1940_____ 165.1 67 16.110 206 21,928 20,831 19,953 19,458 19,453 18,433 17,424 158.3 153.0 150.0 150.4 143.5 136.4 133.0 1939 1938 1937 7,226 68,833 64,960 58,809 56,648 55,199 14,678 14,124 14,631 34.3 33.1 31.8 7,112 6,779 6,421 6,186 3,288 3,170 3,073 2,682 2,589 2,276 287 281 68 71 71 1937 1936 1935 1934 11,654 11,003 10,683 284 278 17,424 16,869 16,628 17,424 17,341 19,602 14,332 14,481 31.4 31.3 13 805 1934 1932 1932 1931 132.0 139.0 138.5 157.5 13,501 13,798 14,011 15,692 10,475 6,153 3,051 33.5 39.2 11,054 12,754 6,287 6,848 3,246 3,816 84 94 58,813 62,205 2,251 2,700 15,637 17,245 299 350 20,103 19,970 19,256 18,523 18,446 17,680 16,875 16,015 40.9 41.6 40.8 13,153 13,135 12,645 4,017 4,022 4,157 62,365 61,034 56,196 17,860 18,107 17,895 1930-----15,983 15,888 14,955 18,726 14,155 13,402 12,622 11,857 10,857 9,515 9,950 9,328 162.6 6,950 103 2,933 362 1929..... 163.1 158.9 155.0 153.9 149.5 144.6 139.2 135.4 180.0 128.7 126.4 6,835 6,611 3,139 2,839 2,615 2,375 2,098 1,835 1,683 39.7 39.2 38.7 12,086 11,689 11,270 6,360 5,991 5,605 4,133 4,106 4,037 3,908 4,090 52,581 49,980 46,702 369 372 352 324 1925 1925 1924 1923 1928 1922 37.8 37.3 5,242 4,971 43,981 41,109 10,345 369 18,516 322 9,642 9,342 35.6 35.3 4,652 4,475 3,912 3,994 432 495 36,831 33,671 1,523 1,356 18,329 18,447 317 281 3,810 4,057 3,864 3,165 3,458 3,348 3,204 3,074 2,878 2,496 8,736 7,739 7,202 7,327 7,032 123.4 119.7 115.2 31,836 29,286 30,001 1,327 35.0 9,021 4,252 727 280 1919 1918 1917 1917 1916 1915 12,669 12,078 11,717 11,717 $^{873}_{1,012}$ 1,167 1,067 18,158 18,753 276 285 115.2 112.0 112.7 109.5 103.9 100.6 97.2 92.0 90.7 88.3 ,202 ,827 ,032 ,545 ,968 ,585 ,255 ,087 30,845 28,530 25,184 22,775 22,255 19,785 19,856 18,535 17,198 17,640 -----1,009 890 819 799 806 1,226 302 11,717 11,241 10,524 10,046 9,543 8,780 8,780 8,349 1,348 1,351 1,388 1,409 1915 1914 1913 1912 1911 ------275 266 1,430 1,716 21,532 19,773 738 645 2,496 2,281 1910 1909 1908 1907 1907 7,635 6,996 6,484 6,119 6,119 4,933 82.0 76.5 72.4 70.0 69.6 57.2 48.8 40.4 34.5 3,933 3,522 3,176 *s,132* 3,013 2,774 2,285 1,838 -----1,753 1,853 2,119 17,043 16,213 15,717 1,950 1,621 1,188 18,256 16,777 15,576 260 247 239 602 517 463 6,484 6,119 6,119 4,933 4,127 3,353 2,809 15,266 13,875 11,404 9,388 8,316 13,814 11,430 9,756 7,884 6,903 826 297 246 167 121 2,280 1,862 1,596 210 175 148 120 494 461 1907 1906 1905 1904 ------1,348 1,124 1,564 1,317 1,317 1,061 1903..... 105 2,809 2,871 2,371 1,801 1,356 1,005 30.0 29.7 23.0 17.6 13.3 1902_____ 84 48 20 10 7,850 6,342 4,773 5,174 240 187 149 133 6,146 4,468 2,916 94 68 44 1902 970 1901 1900 1899

Series R 1-12. Telephones and Average Daily Conversations (Bell and Independent Companies): 1876 to 1970—Con. [In thousands, except series R 2 and R 3. Census figures in italics]

		Telepl	hones 1			Average daily	conversations	
	То	tal		Independent companies	Bell Sy	østem ²	Independen	t companies
Year	Number	Per 1,000 population	Bell System ²	not connecting with Bell System	Local exchange	Toll	Local exchange	Toll
	1	2	6	8	9	10	11	12
1898. 1897. 1896. 1895. 1894. 1898. 1898. 1899. 1890. 1890. 1889. 1888. 1887. 1886. 1886. 1886. 1886. 1886. 1886. 1886.	681 515 404 340 285 266 261 239 254 228 212 195 181 167 156 148 124 98	97.77 44.19 97.75 44.33 99.33 7.75 3.64.33 9.92 2.76 22.38 11.4	496 415 354 310 270 266 261 239 228 212 195 181 167 156 148 124 98	185 100 50 80 15	3,823 3,099 2,630 2,351 2,088 1,872 1,868 1,585 1,488 1,240 1,052 1,012 856 747 698 590	95 75 63 51 38 34 41 34 10 8 7 7 7 7	170	3
1880. 1880. 1879. 1878. 1877.	54 48 31 26 9	1.1 .9 .6 .6 .2	48 31 26 9		237	2		

^{*} Denotes first year for which figures include Alaska and Hawaii.

Represents zero. NA Not available.
Z Less than 500.

Series R 13-16. Telephone Toll Rates Between New York City and Selected Cities: 1902 to 1970 [Rate for station-to-station, daytime, 3-minute call]

	Ве	etween New Yo	ork City and	_		В	etween New Y	ork City and	_
Effective date	Philadelphia	Chicago	Denver	San Francisco	Effective date	Philadelphia	Chicago	Denver	San Francisco
	13	14	15	16		13	14	15	16
1970, Feb	\$0.50	\$1.05	\$1.25	\$1.35	1936, Sept	\$0.50	\$2.50	\$5.25	\$7.50 9.00
1968, Aug	.50	1.30	1.55 1.60	1.70 1.75	1930, Jan	.50	\$2.50 3.00	6.00	9.00
1967, Dec		1.40	1.60	1.76	1929, Feb	.60	3.00	6.00	9.00
1965, Dec	.50 .50	1.40	1.70	2.00	1927, Dec	.60 \	3.25	6.00	9.00
1960. Feb	.60	1.45	1.80 1.95	2.25 2.25	1926, Oct	.60	3.40	7.25	11.80
1959, Sept	.50	1.45	1.95	2.25	1010 T	i 1	4 05		10.70
1070 34		1 50	2.20	2.50	1919, Jan	.5 5	4.65 15.00	10.40	16.50 18.50
1952, Mar	.50 .45	1.50	2.20	2.00	1917, June			11.25 11.25	19.80
1946, Feb 1945, July	.45	1.55 1.75	2.20 2.35	2.50 2.50	1911, MIRL	(NA)	(NA)	11.20	19.60
1340, July	.40	1.70	4.00	2.50	1915, Jan	(NIA)	(NA)	11.25	20.70
1941. July	.45	1.75	3.25	4.00	1911	(NA) (NA)	(NA) (NA)	11.25	20,,0
1941, July	.45	1.90	8.25	4.00	1902 2	.55	5.45		
1937, Jan	.45	2.20	4.50						

NA Not available. 1 Rates in effect immediately prior to Jan. 21, 1919, according to an item in the New York Times for Jan. 23, 1919.

¹ Beginning 1920, excludes private line telephones and "Bell" figures derived through totaling data for the Bell Systems, the Southern New England Telephone Company, the Cincinnati Bell Inc., and Bell service telephones.

³ Bell System has no operations in Alaska and Hawaii.

² Toll rates were \$0.006 per mile for all mileages.

Series R 17-30. Bell Telephone Companies—Property, Revenues, Expenses, Interest, Net Income, Dividends, Employees, and Wages: 1880 to 1970

[In thousands, except series R 29. Census figures in italics. Bell companies have no operations in Alaska and Hawaii]

	Telepho	ne plant	Miles	Ope	rating reven	ues		Federal	Other				Em	ployees
Year	Book value	Deprecia- tion reserves	of wire 1	Total ²	Local	Toll	Operating expenses ³	income taxes	income, net 4	Interest expenses	Net income	Dividends declared 6	Num- ber ⁶	Wages and salaries
	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1970 1969 1968 1967	\$56,171,376 50,479,993 46,091,402 42,508,397 39,316,832	\$12,609,552 11,553,823 10,511,655 9,445,322 8,551,263	601,912 553,868 512,250 480,308 453,521	\$17,368,544 16,057,755 14,428,866 13,310,606 12,419,140	\$8,685,479 7,979,015 1,366,128 6,910,073 6,517,473	\$8,042,160 7,450,709 6,472,036 5,852,380 5,378,439	\$12,867,499 11,401,821 10,025,833 9,245,691 8,577,644	\$1,608,526 2,018,380 1,990,741 1,695,744 1,633,247	\$438,275 390,178 313,821 275,199 281,048	498,757	2.150.612	1,290,838	673,316	4,791,543
1965 1964 1963 1962 1961	36,228,981 33,384,997 30,854,403 28,656,559 26,586,552	7,793,812 7,158,004 6,583,840 6,126,180 5,749,767	368.594	9.796.302	6,114,439 5,778,936 5,527,789 5,219,431 4,921,320	4,705,856 4,291,054 3,814,370 3,543,591 3,284,038	7,857,118 7,238,111 6,647,813 6,271,299 5,903,602	1,466,287 1,476,741 1,455,070 1,360,144 1,244,867	207,412 214,568	343,700 314,414	1,557,130 1,456,158	1 934.275	627,278 604,577 585,941 578,403 581,245	4,169,473 3,890,458 3,659,869 3,512,691 3,369,059
1960 1959 1958 1957 1956	24,721,830 22,818,918 21,225,314 19,654,439 17,555,690	5,402,334 5,084,804 4,760,297 4,487,207 4,228,966	307,876 282,287 260,464 243,730 220,154	8,108,793 7,569,869 6,936,364 6,466,160 5,964,876	4 362 374	2,843,466 2,543,114 2,406,830	5,584,190 5,233,097 4,910,866 4,788,708 4,437,810	1 080 302	140,702	262,422 226,773 216,108 176,186 147,778	1,274,101 1,170,571 1,001,709 868,486 792,632	769,701 730,682 649,497 607,655 546,924	594,860 597,107 606,340 656,100 653,074	3,282,991 3,137,583 3,029,099 3,042,598 2,883,990
1955 1954 1953 1952 1951	15,773,373 14,525,346 13,419,650 12,301,975 11,250,819	4,007,118 3,766,530 3,555,901 3,352,297 3,125,706	201,235 185,809 173,375 162,120 152,112	5,424,246 4,901,162 4,523,707 4,135,537 3,727,632	3,168,480 2,914,754 2,713,501 2,460,438 2,205,117	1,999,553 1,755,241 1,603,608 1,500,063 1,369,682	4,039,159 3,746,294 3,500,599 3,240,896 2,929,122	644,404 524,995 472,994 403,031 350,134	90,084 79,777 69,359 54,622 54,244	133,910 132,347 117,668 118,773	696,857 577,303 501,805	483,619 489,327 389,057 339,186	629,773 591,364 600,863 591,783 563,416	2,631,154 2,443,560 2,327,884 2,151,286
1950 1949 1948 1947 1946	10,375,100 9,688,160 8,848,572 7,552,159 6,474,011	2,904,820 2,724,745 2,597,371 2,447,046 2,286,952	126,424 114,850	3,341,308 2,965,852 2,693,027 2,282,446 2,146,894	1,995,659 1,746,771 1,551,742 1,311,401 1,198,802	1,207,509 1,092,395 1,030,474 880,227 874,497	2,652,421 2,530,899 2,324,762 2,013,725 1,789,686	248,328 125,878 105,154 77,024 104,121	52,224 63,649 40,613	63,420	367,377 247,830 235,264 168,890 219,966	262,901 227,929 214,061 198,469 193,802	534,751 528,015 559,408 536,602 508,391	1,704,105
1945 1944 1943 1942 1941	5,865,065 5,670,879 5,543,992 5,450,471 5,196,319	2,108,385 1,934,419 1,763,868 1,601,916 1,482,590	100 971	1,978,418 1,814,113 1,690,720 1,507,336 1,333,064	1,072,731 1,017,244 981,094 923,765 872,089	845,008 746,694 666,238 544,234 424,521	1,454,174 1,308,926 1,214,015 1,089,074 986,412	195 906	7,037 5,989 4,023	47,177 48,998 52,525 52,147 49,886	187,656 180,163 188,061 174,232 203,509	187,961 181,281 177,865 178,000 179,341	396,567 345,703 350,912 334,957 321,108	910,929 784,178 781,276 651,904
1940 1939 1938 1937 1937	1	1,397,339 1,339,563 1,286,582 1,231,712 1,156,227	85,295	1,205,435 1,136,412	811 400	360,792 338,391 317,290 \$21,508 327,229 311,489	913,023 870,762 849,079 833,789 766,287	64,419 41,387 35,015 31,740 28,807	14,655 27,302	43,256	223,941 203,888 167,896	180,298 180,360 180,847	282,224 266,707 264,275 275,634 262,888	488,888 463,642 476,164
1935	1 ' '	1,061,650 968,214 891,883 820,195 788,586	80,118 80,281 80,586 80,491	934,371 884,532 872,406 956,855 943,540 1,066,895	640 993	273 483	726,510 685,951 684,424	20.843	12,894 3,918 71,942	52,373 57,561 54,351	147,539 125,352 114,580	183,145 183,181 183,240	244,599 248,996 248,563 281,\$50 266,288 294,689	387,264 371,727 356,287
1930 1929 1928 1927 1927 1926	4,043,422 3,671,100 3,275,687 \$,085,618 3,013,985 2,783,023	740,006 699,035 650,621 600,664 576,216	69,519 62,193 56,819	1,094,883 1,063,633 969,237 894,699 888,987 817,928	728,709 691,359 644,209	348,541 354,286 309,334 271,174 271,174 248,087	852,703 807,988 728,544 670,397 611,675	21,931 22,924 25,591 23,908 22,712	47,626 43,966 27,621	1	191,088	156,625 132,224 119,349	324,343 364,402 333,794 \$08,865 309,005 300,557	534,468 526,684 466,362
1925 1924 1923 1928 1922 1921	2,524,906 2,266,923 1,978,948	530,071 485,661 443,130	45,474 39,894 34,524 \$0,614 30,617	736,648 653,459 598,153 646,820 543,747 495,244	506,026 454,326 412,009	219,913 190,318 178,427 163,098 163,098 146,459		16,829 13,091 11,748	19,920 20,314 21,526 15,186 17,209	45,941 41,531 37,751 \$6,790	136,503 107,246 99,624	93,243 82,603 72,429	293,095 278,838 271,979 242,710 243,045 224,277	381,857 365,071 333,786
1920	1,363,826 1,215,944 1,142,498 1,140,640 1,064,893 946,293	309,556 276,304 235,395 206,86 3 201,090 168,044	23.349	448 ,233 387 ,659 326 ,524 <i>908</i> ,864 293 ,666 263 ,095	301,283 	141,883 	376,171	4,246 6,635 5,898	5.589	31,724 27,693 23,111	47,785 48,621 46,383 51,185 50,714		231,316 209,860 187,458 198,700 192,364 179,032	
1915 1914 1913 1912 1911	880,069 847,205 797,159	142,307 122,338 105,720	18,506 17,476 16,111			62,930 58,466 57,009 53,037 47,413		674 603			48,086 40,307 42,037 48,107	32,897 30,304 30,302 29,710 29,460 25,967	156,294 142,527 156,928 141,903 141,340 129,724	99,454 99,048 95,209 76,901
1910 1909 1908 1907 1907	611,000 557,417 528,717 526,079 502,988	1	11,642 10,480 9,831	164 ,245 148 ,951 137 ,363 138 ,804 127 ,859 111 ,080	114,896 103,502 93,964	45,004 40,095 35,800 34,411 30,192	114,618 101,547 93,377 99,8\$0 87,395 77,967		1,368 964 781 721 685		39,438 38,146 33,894 \$1,447 30,676 25,582	25,161 23,911 20,719	121,310 104,956 98,533 95,811 100,789	50,576

Series R 17-30. Bell Telephone Companies—Property, Revenues, Expenses, Interest, Net Income, Dividends, Employees, and Wages: 1880 to 1970—Con.

[In thousands, except series R 29. Census figures in italics]

,	Telephone		Ор	erating reven	ues	-					Empl	oyees
Year	plant, book value	Miles of wire ¹	Total 2	Local	Toll	Operating expenses 3	Other income, net 4	Interest expenses	Net income	Dividends declared ⁵	Num- ber ⁶	Wages and salaries
	17	19	20	21	22	23	25	26	27	28	29	30
1905	316,521 284,568 250.018	5,780 4,671 9,359 3,388 3,282	\$96,923 85,296 75,089	\$67,620 59,841 52,710 44,845	\$26,412 22,638 19,879 16,906 14,329	\$66,189 58,152 50,946	\$577 577 553 457 878	\$5,836 	\$25,474 22,487 20,321 16,129	\$15,818 15,436 14,096 13,714 10,608	89,661 67,756 61,476 56,405 55,403	\$28,875
1901 1900 1899 1898 1897 1896	180,700 145,511 118,124 104,488	2,445 1,962 1,519 1,159 951 806		37,971 32,414	12,098		300 198 168 144 144	2,390	15,464 13,864 12,095 10,577 9,735 8,833	9,884 7,894 6,647 6,294 6,127 5,481	45,990 37,067 29,818 22,955 19,603 16,558	
1895 1894 1893 1892 1891	77,731 73,136 67,636	675 577 508 441 382					138 117 105 84 83	656	8,053 7,708 8,630 8,114 6,741	5,067 4,662 4,967 4,631 4,398	14,699 12,553 11,862 11,602 9,713	
1890	58,512 51,572 44,436 40,799	240 332 280 244 203 172	16,158			9,068	59 60 75 42 32	279	6,866 6,202 5,747 5,506 5,160	3,168 4,101 3,802 3,658 3,444 3,246	8,645 8,740 7,550 7,445 6,683 6,162	
1885 1884 1883 1882 1881		156 137 115 83 52								8,107	5,769	
1880 1880	15.702	34 30	3,098			2,374				308	3,338	

Series R 31-45. Independent Telephone Companies—Property, Revenues, Expenses, Interest, Net Income, Dividends, Employees, and Wages: 1916 to 1970

[In thousands, except series R 31 and R 44. Census figures, in italics, represent "systems and lines"; see text. Includes Alaska and Hawaii for all years]

	Com-	Telepho	ne plant	Miles	Оря	erating rever	iues	Operat-	Federal	Miscel- laneous	-		Divi-	Em	ployees
Year	panies in- cluded	Book value	Depre- ciation reserves	of wire	Total 1	Local	Toll	ing ex- penses ²	income taxes	income items (net)	Interest expenses	Net income	dends declared	Num- ber	Wages and salaries
	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
1970 1969 1968 1967 1966	684 688 654 670 666	8,714,127 7,620,505	1,934,273 1,705,577 1,487,127		2,461,750 2,152,316	\$1,453,662 1,313,635 1,178,891 1,072,533 1,000,283	1,054,210 891,800 729,944	\$1,952,904 1,695,175 1,477,393 1,299,707 1,183,858	230,715 214,630 172,198	41,347 32,366 23,963	246,246 196,501 159,677	325,927 293,484 263,881	233,338 202,747 186,501	142,000 133,000 123,000 114,000 110,000	\$1,001,008 871,301 781,627 670,777 612,105
1965 1964 1963 1962 1961	669 663 613 601 554	6,055,508 5,452,292 4,847,391 4,334,646 3,819,984	1,039,244 911,183 792,986	35,017	1,529,709 1,386,143 1,247,652 1,119,531 993,827	849,035 778,371 710,073	491,720 428,596 372,005	835,445 754,569	161,036 153,868 137,506	10,154 7,319 7,597	97,494 85,602 75,889	201,013 177,432 157,003	125,829 113,030 103,427	90,000 86,000	440,233
1960 1959 1958 1957 1956	550 533 504 477 437	3,395,865 2,968,027 2,609,007 2,271,141 1,926,743	522,174 460,755 409,560	25,188 22,667 20,502	703,792 633,815	585,004 519,394 459,906 411,704 370,587		453,644	94,248 76,461 69,181	6,168 5,638 5,239	48,379 42,634 35,314	103,215 86,409 80,002	72,432 63,968 57,979	82,000 81,000 81,000	359,341 330,726 310,270 292,681 261,218
1955 1954 1953 1952 1951	392	1,444,320 1,279,632 1,124,094	293,008 264,581 239,885	13,587 13,037 11.337	407,738 347,307	329,355 295,965 268,435 226,436 195,352	137,820 125,962 109,943	297,702 265,597	48,841 44,201 31,140	1,767 1,099 984	19,271 17,326 15,038	55,136 49,112 36,368	37,209 35,063 24,598	70,000	224,122 214,073 197,693 163,349 156,007
1950 1949 1948 1947 1946	379 305 291 281 265	791,486 667,762 574,100	186,789 174,735 162,380	7,128 6,566	233,064 203,578 176,358	107,235	80,829 72,898 63,784	199,288 161,499 140,500	12,843 11,213	874 124	8,015 5,176	17,939	4,877 11,117	50,000	147,317 184,038 112,565 93,900 73,211

<sup>Beginning 1957, excludes drop and block wire.
Includes miscellaneous revenues not shown elsewhere.
Excludes Federal income taxes.
Nonoperating income including Western Electric income less non-operating deductions from income.</sup>

<sup>Excludes intercompany payments.
As of Dec. 31.
Represents net loss.</sup>

Series R 31-45. Independent Telephone Companies—Property, Revenues, Expenses, Interest, Net Income, Dividends, Employees, and Wages: 1916 to 1970—Con.

[In thousands, except series R 31 and R 44. Census figures, in italics, represent "systems and lines"; see text. Includes Alaska and Hawaii for all years]

· · · · · · · · · · · · · · · · · · ·	Com-	Telephor	ne plant	Miles	Оре	rating reven	ıues	Operat-	Federal	Miscel- laneous			Divi-	Em	oloyees
Year	panies in- cluded	Book value	Depre- ciation reserves	of wire	Total ¹	Local	Toll	ing ex- penses 2	income taxes	income items (net)	Interest expenses	Net income	dends declared	Num- ber	Wages and salaries
	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
1945	229 231	\$449,739 438,962 432,734 412,440 400,836	\$138,333 126,970 114,347 98,980 92,055	5,521 5,573 5,829	\$135,494 126,081 117,011 97,071 88,519	\$84,155 80,752 77,015 68,786 64,276	\$48,019 42,519 37,488 25,801 21,878	\$94,889 86,482 78,602 66,459 68,712	18,704	327 837 283	5,289 5,143 5,323	14,329 14,106 12,725	4,538 5,880 6.695	31 409	\$54,478 46,177 41,386 40,478
1940 1939 1938 1937 1987	201 201 200	383,315 369,809 357,472 351,350 612,254 346,061	76,290 73,127	9,258	80,846 75,768 71,508 69,957 128,649 65,500	59,993 56,539 53,678 51,956 96,058 49,041	18,676 17,172 15,923 16,145 29,258 14,803	55,992 53,366 51,634		338 338 338	5,809 5,823 5,771	12,444			52,998
1935	211 261 271 55.353	341,949 374,654 429,087 428,189 522,634 431,749	67,001 71,263 74,832 67,967	4,803 5,027 5,141 7,092	61,170 63,934 68,533 77,067 105,176 87,867			48,466 51,940 55,725	1,283 1,073 1,147		6,847	9,616	6,977 8,179 11,786	52.735	25,010 23,861 4 3 ,775
1930	314 323 316 312	418,456 410,294 376,955 334,944 468,262 327,450	59,758 60,701 56,284 51,725	4,880 5,023 4,756 4,476 7,017	90,884 90,926 83,866	76.955		63,860 63,549 59,446 55,550	1,454			16,628	12,940 12,075 10,834 10,288	35,715 35,434 35,310 31,505	56,720
1925	268 274 268 1,134 57,227	289,157 271,607 270,076 339,963 422,104 339,733	49,051 43,508 48,686	4,045 4,169 3,770 4,837	73,122 69,236 67,486 85,130		16 972	,					8,809 7,361 6,816 8,726		58,576
1920 1917 1917 1916	1,034	349,795 245,787 351,689		4,735 3,890 5.693	80,561 50,485 79,582	40,967	9,152 10,4 3 6	67,548 37,260			5,603	7,559 8,507	8,204 7,397 5,246	37.381	30,755

¹ Includes miscellaneous revenues not shown elsewhere.

Series R 46-55. Western Union Telegraph Company—Summary of Facilities, Traffic, and Finances: 1866 to 1915
[In thousands, except series R 46. Census figures in italics. Covers landline (domestic) and cable (international) operations]

As of, or for, year ending—	Telegraph offices	Miles of wire	Messages handled	Total book capital- ization	Revenues	Expenses 1	Miscel- laneous income items (net)	Interest expenses	Net income	Dividends declared
	46	47	48	49	50	51	52	53	54	55
1915, Dec. 31 1914, Dec. 31 1913, Dec. 31 1913, June 30 1912, Dec. 31 1912, June 30 1911, June 30	26.300	1,584 1,582 1,561 1,543 1,814 1,517 1,487	109,878	\$167,338 162,678 158,855 158,687 159,394 166,762	\$51,100 45,880 45,784 43,978 62,822 39,438 33,598	\$40,797 40,138 42,327 40,432 55,610 34,846 27,825	\$1,213 972 1,116 927 1,941 1,107 1,424	\$1,348 1,343 1,338 1,338 2,769 1,697 1,826	\$10,168 5,371 3,235 3,135 6,384 4,002 5,371	\$4,986 3,989 2,992 2,91 6,180 2,991 2,990
1910, June 30 1909, June 30 1908, June 30 1907, Dec. 31 1907, June 30	29,110 24,760	1,429 1,383 1,359 1,578 1,321 1,256	75,135 68,053 62,371 103,794 74,805 71,487	164,382 159,246 156,371 220,294 153,585 146,349	30,741 27,600 25,890 49,685 29,939 27,828	24,544 21,364 23,553 39,227 24,674 21,838	1,133 1,333 1,063 1,899 1,058 1,093	1,951 1,956 1,731 2,658 1,420 1,335	5,379 5,614 1,670 9,704 4,903 5,749	2,987 2,739 1,715 7,477 4,867 4,867
1905, June 30	23,458 23,120 27,377 23,567	1,185 1,155 1,089 1,318 1,030	67,477 67,904 69,791 91,655 69,375 65,657	145,998 141,271 138,409 162,947 133,150 129,715	26,347 26,571 26,525 39,486 25,602 23,865	20,227 19,783 19,262 28,999 18,941 17,979	1,066 1,116 2,353 1,444 670 1,778	1,227 1,175 1,166 1,950 1,008	5,959 6,729 8,450 9,982 6,323 6,703	4,867 4,867 4,867 6,857 4,867 4,867
1900, June 30 1899, June 30 1898, June 30 1897, June 30 1896, June 30	22,210 21.769	938 905 874 841 827	63,168 61,398 62,174 58,152 58,760	128,856 123,818 123,718 123,484 121,436	22,811 22,048 21,688 20,630 20,820	16,934 16,463 16,231 15,515 15,406	405 422 671 629 474	991 1,027 992 896 909	5,292 4,980 5,130 4,849 4,980	4,867 4,866 4,866 4,791 4,766

² Excludes Federal income taxes.

Series R 46–55. Western Union Telegraph Company—Summary of Facilities, Traffic, and Finances: 1866 to 1915—Con.

[In thousands, except series R 46. Census figures in italics]

As of, or for, year ending—	Telegraph offices	Miles of wire	Messages handled	Total book capital- ization	Revenues	Expenses ¹	Miscel- laneous income items (net)	Interest expenses	Net income	Dividends declared
	46	47	48	49	50	51	52	53	54	55
1895, June 30 1894, June 30 1893, June 30 1892, June 30 1892, June 30	21,360 21,166 21,078 20,700 20,098	803 791 769 739 716	58,307 58,632 66,592 62,387 59,148	\$121,278 120,285 120,364 118,423 116,255	\$20,421 20,059 22,988 21,769 21,185	\$14,756 14,768 16,057 14,926 15,012	\$477 513 575 599 499	\$898 904 899 932 903	\$5,244 4,906 6,602 6,511 5,719	\$4,766 4,739 4,632 4,308 4,308
1890, June 30 1889, June 30 1888, June 30 1887, June 30 1886, June 30	19,382 18,470 17,241 15,658 15,142	679 648 616 525 490	55,879 54,108 51,464 47,395 48,290	115,278 108,480 101,968 96,481 93,794	20,055 19,075 17,584 15,688 14,871	18,701 13,828 18,498 12,021 11,384	687 725 585 504 511	898 820 494 608 580	6,093 5,651 4,132 3,557 3,418	4,955 4,308 4,041 812 8,400
1885, June 80	14,184 18,761 12,917 12,068 10,737	462 451 483 374 327	42,097 42,076 41,181 38,842 82,500	92,616 92,459 90,961 88,971 87,128	15,298 16,698 16,596 14,819 11,552	11,029 12,012 10,490 9,035 7,630	509 565 459 579 2,228	505 508 438 480 437	4,274 4,744 6,182 5,983 5,718	5,198 5,597 4,999 4,798 3,733
1880, June 80	9,077 12,510 8,534 8,014 7,500 7,072	284 291 212 206 194 184	29,216 \$1,703 25,070 28,919 21,159 18,780	64,080 96,081 62,699 58,287 56,318 55,844	10,581 16,697 9,118 8,637 9,089 9,148	5,863 10,218 5,239 5,656 6,096 6,061	437 895 179 194 314	435 564 488 462 443 585	4,720 5,970 8,836 2,698 2,694 2,862	3,280 4,137 2,295 2,085 1,521 2,532
1875, June 30 1874, Dec. 31 3 1873, Dec. 31 3 1872, Dec. 31 3 1871, Dec. 31 3	6,565 6,188 5,740 5,237 4,606	179 176 154 137 121	17,154 16,329 14,457 12,444 10,646	54,678 54,778 53,831	² 4,330 8,872 8,612 8,471 7,384	² 2,832 5,935 6,506 5,558 4,916	2 88 148 155 97 74	² 228 383 266 370 318	² 1,804 2,752 1,995 2,640 2,224	1,851 151 269 259 222
1870, Dec. 31 ³	8,972 8,607 8,219 2,565 2,250	112 105 98 85 76	9,158 7,935 6,405 5,879	48,402 47,677 47,426 24,205	6,731 6,672 6,636 5,964 4,619	4,589 4,346 3,873 3,693 2,686	116 225 139 182 185	327 325 346 371 162	1,982 2,226 2,557 2,082 1,956	1,035 1,810 832 1,608 1,051

Series R 56-70. Domestic Telegraph Industry—Messages, Property, Revenues, Expenses, Net Income, Dividends, Employees, and Wages: 1916 to 1970

[In thousands, except series R 67 and R 69. Census figures in italics]

	Messages	telegrap reve	te-line h service nues	Telegrap	h plant	Miles of	Operat-	Operat-	Federal income	Net	Divi- dends	Empl	oyees	Teletyr Exchange	ell pewriter e (TWX) vice
Year	handled	Tele- graph com- panies	Tele- phone com- panies ¹	Book value	Depreciation reserves	wire	revenues		taxes :	income	declared	Number	and	Number of teletype- writers	Rev- enues
	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
1970 1969 1968 1967 1967	69,679 77,059 85,645 89,078 92,682	122,294 111.815	138,091 128,328 121,461	\$1,029,149 968,401 916,712 871,425 778,810	307,518 284,677 279,647	683 753 829	358,202 334,983	358,445 328,622 310,791	- -	21,569	18,076 16,776 15,917	25,164 26,502 26,524	190,085	42,605 46,411 47,200	71,051 71,118 72,367
1965 1964 1963 1962 1961	94,302 97,448 104,220 112,487 117,268	98,319 91,922 84,687 61,981 58,968	118,508 112,190 115,953 118,746 128,661	684,686 596,587	221,783 198,930 188,099	984 1,010 1,043	299,410 286,822 264,119	278,324 266,660 257,139	(\$1,200) 1,000 (8,780)	424,931 10,405	10,501 10,490 10,484	26,607 28,015 30,021	161,129 160,650 168,278	59,848 57,598 56,693	72,470 70,321 69,338

Including facility rentals and taxes.
 Income data are for 6 months ending June 30.

 $^{^3\,\}text{Telegraph}$ offices, miles of wire, messages handled, and total book capitalization are as of June 30.

Series R 56-70. Domestic Telegraph Industry—Messages, Property, Revenues, Expenses, Net Income, Dividends, Employees, and Wages: 1916 to 1970—Con.

[In thousands, except series R 67 and R 69. Census figures in italics]

	Messages	telegrap	te-line h service nues	Telegrap	h plant	Miles of	Operat-	Operat-	Federal income	Net	Divi- dends	Empl	oyees	Be Teletyp Exchange Serv	ewriter e (TWX)
Year	handled	Tele- graph com- panies	Tele- phone com- panies 1	Book value	Depreciation reserves	wire	revenues		taxes	income	declared	Number	Wages and salaries	Number of teletype- writers	Rev- enues
	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
1960	124,319 130,993 131,867 143,947 151,600	\$54,841 49,763 39,186 34,414 29,859	85,850 77,735	\$398,023 380,216 364,498 350,860 332,727	157,382 149,693 147.334	1,063 1,058 1,075 1,078 1,088	245.549	228.219	\$4,350 11,000 4,975 5,993 6,665	\$10,205 14,755 11,062 12,911 12,060	\$8,9 [°] 0 7,941 7,505 7,165 6,226	33,151 33,620 36,467	\$164,524 159,842 154,032 159,157 153,625	54,744 51,631 47,491 44,923 41,628	\$62,539 58,111 51,284 47,944 44,872
1955		24,458 20,163 17,458 15,031 12,669	55,309 48,732 44,619 40,828 36,265	310,968 300,126 289,448 286,372 284,293	135,826 130,183 128,776 126,580 123,825	1,100 1,129 1,151 1,194 1,225	209,635 208,578 184 336	194,657 193,863	9,613 6,208 5,743 199 4,007	10,331 4,480 13,242 5724 4,711	5,695 3,730 3,690 3,689 3,381	38,957	137,521 139,489 126,974	38,946 36,672 35,272 33,338 30,815	41,758 38,349 33,174 26,503 23,344
1950 1949 1948 1947 1946		9,139 7,528 5,696 4,320 3,681	31,747 28,017 25,225 21,829 20,732	294,451 306,316 310,295 314,275 361,618	136,267 142,664	1,298 1,438 1,632 1,743 2,044	183,429 199,654	173,505 185,362 185,314	2,050 2,176	7,353 53,468 1,265 906 510,030	2,459	40,482 41,660 48,967 53,572 57,644	140.901	28,393 25,526 23,423 20,208 14,838	20,445 17,940 16,302 13,743 12,946
1945 1944 1943 1942 1941	236,169 225,462 231,692 223,148 210,928	3,572 3,655 3,688 3,889 3,079	17,590 19,318	357,784 358,882 366,347 384,352 380,501	153,730 120,863	2,247 2,272 2,303 2,294 2,281	166,953 145,789	160,169 159,020 134.031	2,267 3,236 4,448 1,450	57,834 5,117 5746 3,836 4,016	2,433 2,167 2,090 2,090 2,090	64,674 65,363	112,553 111,8 2 92,450 84,267	13,031 15,979 16,013 16,607 16,130	16,798 20,613 23,456 16,233 10,169
1940 1939 1938 1937 1937 1936	191,645 189,055 185,639 200,711 206,937 193,566	2,170 2,185 2,056 1,981	14,621 15,744 16,834 19,098	375,021 388,837 387,897 387,749 418,231 384,946	97,746 87,569 83,827 80,678	2,269 2,277 2,279 2,275 2,302 2,270	117,228 117,032			372 53,152 55,248 523 5,129	1,045 1,568 1,604 784	57,513 57,190 64,084	74,736 71,287 70,124 77,745 77,928 71,155	14,855 14,266 12,499 10,646	8,436 7,782 6,803 6,775 5,722
1935 1934 1938 1932 1932 1931	176,250 155,215 143,553 143,075 147,941 183,373	1,782 1,749 1,856 1,830	17,007 19,131 20,023 21,284 25,245	383,216 383,165 383,886 383,960 415,694 382,737	42,574 42,940 43,947 44,191	2,245 2,247 2,245 2,239 2,260 2,250	97,729	96,069 90,669 96,339		3,213 \$ 387 380 \$ 5,099	2,090 1,045 7,838	62,839 58,368 60,997 60,933	65,030 65,810 60,401 65,760 66,988 90,084	7,894 5,776 3,578 2,524 1,479	514
1930 1929 1928 1927 1927 1926	211,971 234,050 211,559 203,365 215,595 203,035	1,881 1,947 1,754 1,853	27,034 25,197 21,057 18,016	379,869 357,343 307,113 292,817 338,143 281,503	53,095 53,710 50,791 46,991	2,269 2,251 2,202 2,095 82,138 1,977	153,329	135,081 128,940	486 1,307 1,798 2,126 	3,942 12,796 13,889 14,105 16,090 13,841	8,188 8,188 8,085 7,981 8,191 7,981	84,962 87,435 77,644 76,183 74,903 79,755	108,557 113,928 94,415 91,493 89,984 101,003		
1925 1924 1923 1922 1922 1921	185,187 162,700 158,468 149,219 181,519 139,544	1,601 1,510 1,502 1,689	15,153 13,207 13,106 12,145	266,571 252,678 238,923 230,644 254,030 224,876	32,100	1,944 1,884 1,836 1,807 1,845 1,787	125,490 124,172 116,659	111,853 109,197 100,352 111,724 101,817		15,153 12,152 13,094 14,311 15,675 7,932	7,232 6,983 6,983 6,983 7,143 6,983	69,045 62,576 62,299	70,497 68,737 71,942		
1920 1919 1918 1917 1917	155,884 139,435 134,031 129,273 151,725	1,489 1,318 1,121 1,300	10,541 7,969 5,811 5,202 4,162	214,986 203,010 190,712 184,351 183,488		1,711 1,686 1,620 1,863 1,889 1,877	90,369 81,623 91,318	113,253 93,165 80,511 67,084 79,409 54,335		9,199 9,595 8,103 12,336 12,125 11,764	6,983 6,983 6,983 6,983 7,166 5,985	60.376	86,037 66,351 58,376 46,953 40,512		

<sup>Represents zero.
Includes minor amounts for Hawaiian Telephone Co.
Excludes Federal income taxes.
Figures in parentheses represent reversal of income taxes charged in previous years.
Western Union Telegraph Company has numerous items deductible from taxable income, but not recorded in the accounts as income deductions; this accounts for the fact that it reported net income in the late sixties with no concurrent liability for income taxes.</sup>

⁴This figure is affected by the \$18,126,223 loss on the sale of the Western Union cables system recorded as a cables loss and the \$8,250,000 tax reduction therefore recorded as a domestic telegraph gain.

⁵ Figures represent net loss.

⁶ Excludes wire owned and operated wholly by Class I railroads and landwire of ocean-cable companies.

Series R 71–74. Domestic Telegraph Message Rates and Teletypewriter Exchange Service (TWX) Rates Between New York City and Selected Cities: 1850 to 1970

	В	etween New Y	ork City and	!—		В	etween New Y	ork City and	
Year	Philadelphia	Chicago	Denver	San Francisco	Year	Philadelphia	Chicago	Denver	San Francisco
	71	72	73	74		71	72	73	74
TELEGRAPH RATES ¹					TELEGRAPH RATES 1—Con.				
In effect Jan. 1, 1970 Made effective:	\$2.25	\$2.25	\$2.25	\$2.25	In effect in—Con. 18761875	(NA) (NA)	\$0.50 .25	\$2.00 (NA)	\$2.00 (NA)
1968, Nov. 1	2.25 1.27	2.25 1.70	2.25 2.23	2.25 2.23	1873 1870	\$0.30 .25	1.00 1.00	2.50 (NA)	
1966, Jan. 1 1963, July 10 1960, Oct. 17 1958, Aug. 1 1956, Aug. 26	1.20	1.60	2.10	2.10	1869	.45	2.05	(NA) (NA) 7.00	7.45
1960, Oct. 17 1958. Aug. 1	1.10	1.45 1.40	1.90 1.85	1.90 1.85	1866 1850	.25	1.85 1.55	7.00	7.45
1956, Aug. 26	.95	1.30	1.75	1.75		.20	1.00		
1954, July 15 1952, July 6	.85 .65	1.25 1.10	1.70 1.55	1.70 1.70	TELETYPEWRITER EXCHANGE SERVICE RATES ²				
1951, Sept. 1 1950, Feb. 1 1946, Dec. 29	.60	1.00	1.55 1.45	1.60 1.45	In effect Jan. 1, 1970	.25	.45	.55	.60
1950, Feb. 1	.40 .36	.75 .72 .66	1.25 1.08	1.45 1.44	Made effective:	1	ļ		
1946, June 12	.83	.66	.99	1.32	1966, Sept. 1 1960, Feb. 7	.25	.45	.55	.60 1.75
1919, Apr. 1	.30	.60	.90	1.20	1960, Feb. 7	.45	1.15 1.20	1.65 1.65	1.75 1.75
In effect in—					1953, July 1 1946, Feb. 1 1981, Nov. 21 3	.35	1.05	1.55	1.75
1908	.25	.50	.75	1.00	1931, Nov. 21 3	.35	1.10	1.80	2.40
1890	.20 .25	.40 .50	.75 .75	1.00 1.00					
1884	(NA)	.50	(NA)	1.00			Ì		1
1883 1877	(NA)	.50 .60	1.25 (NA)	(NA)					

NA Not available. 1 Beginning Sept. 1, 1951, minimum charge for 15 text words or less; prior to that, for 10 text words or less.

Series R 75–88. International Telegraph Industry—Messages, Property, Ocean-Cable Mileage, Countries Served by Radiotelegraph, Revenues, Expenses, Net Income, Employees, and Wages: 1907 to 1970

[In thousands, except series R 82 and R 87. Census figures in italics. Includes Hawaii and Puerto Rico]

	Teleg	graph mess	ages 1		Telegra	ph plant	Nautical	Overseas countries					Emple	oyees 5
Year	Total	Cable	Radio	Overseas telephone calls ²	Book value	Depre- ciation reserves	miles of ocean- tele- graph cable	served by direct radio- tele- graph circuits 3	Operat- ing revenues	Operat- ing expenses 4	Federal income taxes	Net income	Number	Wages and salaries
	75	76	77	78	79	80	81	82	83	84	85	86	87	88
1970	32,241 32,235 30,705 29,953 29,925 28,830 30,102 29,390 28,568 28,345	6,548 6,832 6,560 6,577 6,663 6,467 9,365 11,260 11,318 11,323	25,693 25,403 24,145 23,376 23,262 22,363 20,737 18,130 17,250 17,022	25,813 20,660 15,166 12,332 9,932 8,108 6,382 5,290 4,914 4,365	\$351,674 \$20,629 282,412 250,722 213,359 189,242 191,412 153,465 163,360 172,050	\$93,355 81,351 79,225 70,561 62,623 56,584 71,452 66,939 72,394 85,210	8 8 8 8 8 38 42 55 71	60 62 64 66 68 69 70 71 72 74	\$193,808 179,993 153,547 132,427 121,516 106,696 107,560 97,822 92,372 90,049	\$155,708 142,413 123,997 107,565 96,133 87,374 91,109 85,102 82,104 78,379	\$11,887 12,421 8,527 6,784 6,550 5,448 5,439 3,611 4,083 4,926	\$42,346 37,253 21,212 19,324 14,779 13,110 9,158 68,638 8,118 8,467	7,599 7,938 7,727 7,541 7,437 7,581 9,041 9,968 10,522 10,734	\$71,709 65,463 59,873 55,437 52,217 50,531 53,131 51,905 50,651 48,876
1960 1959 1958 1958 1957 1956 1956 1956 1954 1964 1963 1962	28,278 28,133 26,876 27,838 27,348 25,642 24,357 23,725 23,880 24,043	11,186 10,807 10,420 10,647 11,012 10,671 10,619 10,085 9,756 10,059	17,092 17,326 16,456 17,191 16,336 14,971 13,738 13,640 14,124 13,984	3,713 3,039 2,688 2,421 2,024 1,742 1,529 1,440 1,364 1,263	163,798 157,557 154,439 149,439 139,818 135,178 133,667 131,168 127,101 127,310	82,610 83,679 82,018 80,069 77,629 76,432 75,987 75,348 72,923 73,929	71 75 76 76 76 76 78 78 78 78	77 83 86 84 85 85 85 85 85	86,976 84,377 77,281 76,845 73,472 68,050 63,811 59,727 57,606 56,949	76,885 71,726 67,044 66,258 60,862 58,366 54,654 53,217 51,557 49,087	4,511 5,815 4,868 5,386 5,783 6,328 4,854 4,808 2,434 3,504	7,991 8,328 6,605 5,921 6,186 5,020 5,333 3,390 4,398 4,526	11,011 11,239 11,182 11,502 11,306 11,844 11,814 11,686 11,540 11,081	47,636 44,531 42,855 41,994 41,288 40,548 39,241 37,507 36,055 33,120
1950 1949 1948 1947 1946 1945 1945 1944 1943 1942 1941	22,578 20,891 22,136 23,960 22,272 21,047 17,266 15,991 13,020 16,511	9,969 10,390 11,022 11,835 11,069 10,531 10,386 10,159 8,012 7,434	12,609 10,501 11,114 12,125 11,203 10,516 6,880 5,882 5,008 9,077	1,000 853 798 664 632 360 178 154 135	136,168 134,392 185,626 132,534 129,147 187,623 136,329 138,436 139,360 141,292	82,757 82,897 82,087 79,426 76,769 86,197 84,550 83,909 83,807 82,723	88 88 90 91 91 91 95 95	83 83 81 76 75 72 69 68 65 61	50,333 46,595 46,348 45,579 45,199 49,879 46,981 40,254 35,812 36,022	45,226 45,959 47,435 49,858 44,999 37,905 84,340 29,450 28,423 28,425	1,304 525 519 263 230 7,190 6,983 6,424 4,600 8,201	4,538 619 7778 836 7,907 7,454 6,508 4,525 3,814	10,759 11,150 11,755 12,404 11,557 9,579 7,898 7,591 7,232 8,206	80,240 31,269 31,717 33,678 30,497 25,153 20,002 16,533 14,553 13,723
1940 1939 1938 1938 1937 1937 1936 1936 1934		7,667 9,300 9,612 11,129 10,376 9,819 9,050 9,287 10,456 10,447	8,952 9,425 8,694 5,202 9,392 7,822 6,619 5,177 4,909	73 76 75 75 48 28 27 30	142,015 146,236 147,747 88,538 148,082 147,723 147,708 147,662 146,602 90,751	81,240 81,860 81,268 79,517 78,082 76,613 75,479 74,528	95 95 95 104 95 95 97 97 96	60 55 53 52 52 50 49 48	32,087 30,612 26,895 28,275 29,648 27,173 25,360 25,449 24,649	27,085 26,518 25,577 25,511 24,042 23,177 21,532	1,359 524 219 580 306 186 259 227	3,598 2,074 727 2,936 2,004 693 1,395 3,467	8,083 8,176 8,229 5,403 8,428 8,182 8,182 7,851 7,337 5,790	12,809 12,663 12,383 7,408 12,302 11,538 11,033 10,754 9,615 6,961
1932 1931	14,940 17,414	10,443 12,551	4,497 4,863	28 33	145,913 148,847	73,066 62,050	98 98	46 43	23,442 28,584	21,707 23,919	169 201	2,368 5,610	7,558 8,114	10,009 11,178

¹ Prior to September 1966, telephone company rates for 3 minutes or less, 2-way; thereafter, for each minute or fraction thereof. Since 1959, the telegraph company has offered similar service called "Telex" with a different rate structure.

³ Beginning of service.

Series R 75-88. International Telegraph Industry-Messages, Property, Ocean-Cable Mileage, Countries Served by Radiotelegraph, Revenues, Expenses, Net Income, Employees, and Wages: 1907 to 1970—Con.

In thousands, except series R 82 and R 87. Census figures in italics. Includes Hawaii and Puerto Rico]

	Teleg	raph mess	ages 1		Telegra	ph plant	Nautical	Overseas countries					Emplo	yees 5
Year	Total	Cable	Radio	Overseas telephone calls ²	Book value	Depre- ciation reserves	miles of ocean- tele- graph cahle	served by direct radio- tele- graph circuits 3	Operat- ing revenues	Operat- ing expenses 4	Federal income taxes	Net income	Number	Wages and salaries
	75	76	77	78	79	80	81	82	83	84	85	86	87	88
1930 1929 1928 1927 1927 1926 1926 1924 1923 1928 1922	20,409 21,565 17,562 17,765 16,093 15,493 7,580 7,088 6,165 11,968 5,437 4,947	15, 258 16, 473 14, 812 13, 987 13, 793 13, 298 5, 520 5, 198 4, 465 9, 603 3, 987	5,151 5,092 2,750 3,778 2,800 2,195 2,060 1,890 1,700 \$,\$65 1,445	33 30 23 12 9 10 12 11	\$147,236 135,797 126,770 88,556 122,635 116,179 110,106 107,357 101,011 72,632 92,073 90,139	\$64,994 72,671 69,124 67,668 60,904 59,370 64,834 52,011 49,142 46,467	98 97 98 99 91 88 83 83 79 77 73	42 34 30 26 20 16 14 12	\$35,360 39,656 34,264 20,137 32,083 32,672 34,811 33,636 32,173 21,319 34,191 35,976	\$27,010 27,559 21,643 11,549 21,340 22,293 22,726 21,360 21,725 12,450 22,589 22,570	\$366 798	\$9,775 13,705 11,368 7,755 9,814 11,159 11,526 10,962 9,768 8,193 11,058 10,399	8,999 8,579 2,299 6,595 2,332 2,309 2,352 2,340 2,349 6,333 2,603 3,111	\$13,604 13,129 3,392 9,536 3,395 3,469 3,463 3,459 7,425 3,902 4,283
920 919 918 917 917 917 918 918 907	4,887 6,573	4,037 581 418 6,451 485 378 5,841 5,869	350 		83,799 74,090 64,058 59,871 63,116 63,256 58,136 57,488	42,059 37,145 31,481 26,763 21,349 7,600	75 69 69 71 69 68 68	8 4 4 4 1	40,507 22,584 17,299 16,749 15,274 10,878 8,469 7,672	24,287 12,267 10,425 9,281 7,838 4,706 4,008 2,205		11,463 5,357 2,965 5,707 3,434 3,318 2,953 4,029	3,062 2,688 	4,882 3,938

Series R 89-92. International Cable and Radiotelegraph Rates and International Telephone Rates Between New York City and Selected Cities: 1866 to 1970

[Prior to 1924, rate changes are for messages by cable only (except as noted for radiotelegraph messages). Since 1924, rate changes are for both cable and radiotelegraph messages]

		New York	City to—				New York	City to-	
Effective date	London	Cairo	Tokyo	Buenos Aires	Effective date	London	Cairo	Tokyo	Buenos Aires
	89	90	91	92		89	90	91	92
INTERNATIONAL CABLE AND RADIOTELEGRAPH RATES ¹					international cable and radiotelegraph rates 1— Con.				
970, Jan. 1	\$0.23	\$0.84	\$0.34	\$0.31	Con.				
969, Jan. 1 966, Apr. 12 958, Aug. 1	.23	.34	.34	.31	1892, May 1	\$0,25		\$2.21	\$1.50
966, Apr. 12	.23 .21	.34	.34	.31	1892. Jan. 26	.25		2.21	1.7
958, Aug. 1	.21	.34	.34	.31	1890	.25			1.8
950, July 1 949, Feb. 2 948, Apr. 28	.19 .25 .25 .25	.80	.30	.27 .35 .28 .22	1888	.25			8.9
049, Feb. 2	.20	.40	.40 .30	.35	1886	.12 .40			3.9 3.9
947, Aug. 5	25	.30	.30	.28	1004	.40			0.5
.946. May 1	.20	.30	.20	.20	1882	.50		:	8.9
.945, May 1	.20	.42	.24	.20	1882	.50			4.6
	ļ		:		1880	.50		l . i	7.5
943, Aug. 16	.20	.42	.72	.26	1868	1.58			
940	.20	.42	.72	.42	1866	10.00			
937	.20	.42	.72	.42					
928	.20 .20	.39	.80 .80	.42 .42	INTERNATIONAL TELEPHONE RATES ³				
927	.20	.45	.80	.42	RATES				
925	.20	42	.85	.42 .42	1970, Mar. 1	9.60	\$12.00	12.00	12.0
924	.20	(NA)	.109	.50	1969	12.00	12.00	12.00	12.0
924 923 ²	.20	(NA)	.85	.50	1946	12.00	12.00	12.00	12.0
1923 2	.20	(NA)	.109	.50	1945	12.00	30.00	19.50	12.0
			į		1944	21.00	80.00	19.50	12.0
921 2	.18	(NA)	.85	.50	1940	21.00	30.00	19.50	15.0
919	.25	(NA)	1.09	.50	1939	21.00	80.00	80.75	15.0
917 916 ²	.25 .17	(NA)	1.33 .92	.50 .65	1937	21.00	80.00	30.75	21.0
1912	.25	(NA) (NA)	1.33	.65	1936	21.00	80.00	33.00	21.0
910	.25	(NA)	1.33	.85	1934	30.00	36.00	39.00 39.00	30.0
1905	.25	.56	1.33	1.00	1932	30.00	86.00	00.00	80.0
1903	.25	(NA)	1.53	1.00	1930	30.00			30.0
1903. Jan	.25	.61	1.76	1.00	1930	30.00			36.0
901	.25		1.76	1.00	1928	45.00			
					1927	75.00			

Represents zero.

¹ Numbers of cable and radio telegraph messages depend on whether they were reported by what were formerly known as cable or radio carriers. Since 1956, radio carriers have been using circuits in cables in addition to radio for transmission of messages; since 1965, cable carriers have been using radio circuits via satellite relay in addition to cables.

² Overseas telephone calls inserted for information purposes only; not handled by International Telegraph Industry. Beginning 1956, includes Alaska, Guam, and Virgin Islands. Excludes calls over landwire to Canada and Mexico.

³ Number of overseas countries served by direct radiotelegraph circuits decreased during the sixties as they were displaced by submarine cable and satellite circuits; even some of the remaining circuits are for fallback use only.

⁴ Excludes Federal income taxes.

⁵ Prior to 1929, employment and compensation figures represent incomplete reportings to FCC by all carriers.

⁶ Figure represents net loss resulting from the sale, charged against income, of a cable system.

⁷ Figures represent net loss.

⁸ As of September 16.

 $[\]overline{NA}$ Not available. ¹ Per plain language telegraph-word, including address and signature.

² Change in radiotelegraph messages. ³ For 3-minute person-to-person telephone conversations.

Radio and Television (Series R 93-162)

R 93-162. General note.

Federal regulation of radio communication has been continuous since 1912 when the Department of Commerce was given authority to license radio equipment and radio operators, and broadcast stations, which began operation in 1921. On February 23, 1927, Congress established the Federal Radio Commission with broad authority for the regulation of radio. In 1934, the powers of the Federal Radio Commission were transferred to the Federal Communications Commission.

Principal governmental sources of statistics in respect to broadcast and nonbroadcast radio services include the following:

- 1. U.S. Bureau of the Census, Census of Business, 1935: Radio Broadcasting; Fifteenth Census Reports, Population, vol. VI, Families, 1930; Sixteenth Census Reports, Housing, vol. II, part 1, 1940; U.S. Census of Housing: 1950, 1960, and 1970, vol. I, part 1.
- 2. U.S. Department of Commerce, Annual Report of the Secretary of Commerce, 1913-1926.
- 3. Federal Radio Commission, Annual Report of the Federal Radio Commission, 1927-1933; Commercial Radio Advertising, 1931.
- 4. U.S. Federal Communications Commission, Annual Report of the Federal Communications Commission, 1938-1970; Report on Chain Broadcasting, 1941; The Public Service Responsibilities of Broadcast Stations, 1946; "An Economic Study of Standard Broadcasting," October 1947 (processed); House Report No. 1297, 85th Cong., 2d sess., Network Broadcasting, 1958.
- 5. House Report No. 1273, 73d Cong., 2d sess., Report on Communication Companies, 1934.

Since 1937, the FCC has obtained annual financial reports from networks and broadcast stations. Statistical tabulations of the data so reported have been made available by the FCC in its annual reports; in its annual Statistics of the Communications Industry in the United States; and in annual processed reports. Unlike the telephone and telegraph industries, radio broadcasting is not classified as a common carrier and is not subject to rate or earnings regulation. The FCC, therefore, does not prescribe a uniform system of accounts for the radio industry. However, the Commission's Annual Report Form No. 324, and the accompanying instructions, ensures general uniformity in the reported data. The individual financial reports of networks and stations filed with the FCC are not available for public inspection. However, some individual network and station data have been published from time to time, as for example, in a Committee Print, 84th Cong., 2d sess. (Senator John W. Bricker), The Network Monopoly: Report Prepared for Use of the Committee on Interstate and Foreign Commerce, 1956; Monopoly Problems in Regulated Industries; Hearings before the Antitrust Subcommittee of the Committee on the Judiciary, 84th Cong., 2d sess., 4 vols., part 2, 1956.

R 93-97. General note.

Statistics of broadcast stations are commonly presented in terms of "authorized" and of "licensed" stations. A broadcast station is authorized when it receives a construction permit from the U.S. Federal Communications Commission (or predecessor licensing agencies). Normally, a station is expected to complete construction and begin regular operation within 8 months thereafter. However, not all authorized stations complete this process and be-

come operating stations. This has occurred mainly in the broadcast services of frequency modulation (FM) and television (TV).

Similarly, statistics of "licensed" stations can be misleading. A station permittee who has completed construction in accordance with the specifications of the construction permit or a modification thereof, usually receives a regular license, prior to start of regular on-the-air program service. However, for a variety of reasons, the FCC has permitted stations to undertake regular broadcast service under a Special Temporary Authorization. Many stations have operated under such authority for a number of years. Here, again, this statement applies particularly to FM and TV stations.

Figures for these series are for the most part presented in terms of operating stations. Stations are recorded in FCC records as operating when they have received permission to conduct program tests. In some instances, considerable time may elapse before such stations are in regular, daily operation. Adjustments for this factor have been made by the FCC on the basis of trade sources, and such adjustments are incorporated here. In sum, the data on operating stations are not precise, but are believed to be reasonably accurate.

R 93. Standard broadcast (AM) stations operating, 1921-1970.

Source: 1921, U.S. Federal Communications Commission, unpublished data; 1922-1926, Annual Report of the Secretary of Commerce, various issues; 1927-1932, Seventh Annual Report of the Federal Radio Commission for Fiscal Year 1933, p. 18; 1933-1970, FCC, Annual Report, various issues.

Prior to 1948, data pertain to licensed stations which, in the AM service, generally approximated operating stations.

Figures are not available annually on the number of noncommercial AM stations because there is no separate noncommercial service. Usually, such stations are supported by educational or public bodies. In the early growth of radio prior to 1927, educational institutions were prominent in radio (see S. E. Frost, Education's Own Stations; the History of Broadcast Licenses Issued to Educational Institutions, University of Chicago Press, 1937). From 1945–1970, the number of noncommercial AM stations declined from about 35 to 25. In addition, a small number of educational institutions operate commercial stations.

The decline in the number of AM stations between 1927 and 1929 followed the transfer of the licensing function from the Secretary of Commerce to the Federal Radio Commission. The latter body tightened the licensing requirements, resulting in the withdrawal or deletion of a number of operating stations.

R 94-95. Frequency modulation (FM) stations operating, 1940-1970.

Source: U.S. Federal Communications Commission, Annual Report, various issues.

FM was authorized as a regular service in 1940, effective January 1, 1941, and the first commercial station was licensed in 1941. Non-commercial FM is a separate service with a specific spectrum allocation. The stations are licensed to nonprofit educational organizations.

R 96-97. Television (TV) stations operating, 1941-1970.

Source: See source for series R 94-95.

Television was authorized on a regular commercial basis, effective July 1, 1941, and 2 stations in New York began operating as of that date. Figures include very high frequency (VHF) stations, first authorized in 1941, and ultra high frequency stations (UHF), first authorized in 1952. Some stations (almost entirely UHF stations) began operation and subsequently ceased operation, but retained their FCC authorization. Such stations are not included in the years of nonoperation.

R 98-101. Cable television, 1952-1970.

Source: John Blair & Company, New York, N.Y., Statistical Trends in Broadcasting, annual issues (copyright).

Cable television (CATV) is a system whereby program signals are sent through a cable attached to a television set, as opposed to commercial television and on-the-air transmission of signals.

R 102-103. Sets produced, 1922-1970.

Source: Electronic Industries Association, 1922-1934, Electronics Industry Fact Book, 1957, pp. 4, 5; 1935-1970, Electronic Market Data Book, 1971. (Copyright.)

Figures are based on reports of members of the Electronic Industries Association (formerly Radio-Electronic-Television Manufacturers Association) adjusted for estimated production of nonmembers. The figures also include sets produced for export. Radio set figures include home sets for all years; auto sets, 1930–1970; portable sets, 1939–1970; and clock sets, 1951–1970. As of 1970, automobile sets constituted over 40.3 percent of total radio-set production. As of 1970, year end, Electronic Industries Association estimated that there were 336 million radio sets in working order in the United States, including 85 million in automobiles.

R 104. Households with radio sets, 1922-1970.

Source: Annual figures, National Broadcasting Company (NBC), unpublished estimates. U.S. Bureau of the Census data, as follows: 1930, Fifteenth Census Reports, *Population*, vol. VI, *Families*, table 39; 1940, Sixteenth Census Reports, *Housing*, vol. II, part 1, table 10; 1950, 1960, and 1970, U.S. Census of Housing: 1950, vol. I, part 1, table 13; 1960, vol. I, part 1, table 7; 1970, vol. I, part 1, table 34.

NBC accredits data on radio ownership prior to 1950 to the National Association of Broadcasters (NAB), which is the national trade association of broadcasters, and to Broadcast Measurement Bureau, a private survey group, which conducted a detailed nation-wide survey of radio listening. A survey conducted by the Columbia Broadcasting System (CBS), the results of which were published as "Lost and Found," purported to show 2,450,000 households with radios not enumerated in the 1930 Census of Population. Accordingly, the NAB adjusted the 1930 census figure to 14,499,000. Similarly, 964,026 occupied dwelling units did not report concerning radio ownership in the 1940 Census of Population. The NAB estimated that 786,043 of these should be added to the 1940 census figure of 28,048,219 occupied units with radio.

The figures include radio sets which may not be in working order. Sets temporarily out of order or being repaired at the time of enumeration were included in the census data. The figures exclude radio sets in places of business, institutions, and hotels.

R 105. Households with television sets, 1946-1970.

Source: National Broadcasting Company, unpublished estimates. U.S. Bureau of the Census data as follows: 1950, 1960, and 1970, U.S. Census of Housing: 1950, vol. I, part 1, table 13; 1960, vol. I, part 1, table 7; 1970, vol. I, part 1, table 34.

An indication of the accuracy of the estimates is provided by several surveys of TV ownership in the Nation's households conducted by the Bureau of the Census for the Advertising Research Foundation. These studies have yielded the following estimates:

	June 1955	March 1956	August 1956	January 1969
Total sets in TV homes			39,568,000 37,410,000	
Second sets in TV homes				
TV homes as percent of total	67.2	72.8	76.1	95.0

All figures exclude sets in places of business, institutions, and hotels, but include households with television sets which may not be in current working order.

R 106-109 and R 123-126. Radio and television advertising expenditures, 1935-1970.

Source: 1935-1956 and 1958-1968, Printers' Ink Advertisers' Guide to Marketing, various issues; 1957, Printers' Ink, Feb. 6, 1959, p. 9; 1969 and 1970, Marketing Communications, July 1971.

Historical-time series on advertising expenditures were first developed by L. D. H. Weld of the McCann-Erickson Advertising Agency, New York, in 1938. After Dr. Weld's death in 1946, McCann-Erickson continued to prepare the estimates under the supervision of Dr. Hans Zeisel and, since 1950, Robert J. Coen.

Total advertising expenditures in radio and television are total time sales of networks and stations including commissions of advertising agencies and station representatives, as reported by the Federal Communications Commission, multiplied by estimated "adjustment" factors. For a description of the method used in developing the annual adjustment factors, see the source. Total advertising expenditures are larger than total broadcast revenues as reported by the FCC in two respects: The inclusion of commissions paid to advertising agencies and station representatives; and the inclusion of sums paid by advertisers for talent, program, and production to organizations which do not operate networks or broadcast stations (included in the "adjustment" figures).

The networks included in radio are the four national networks—American Broadcasting Company (ABC), Columbia Broadcasting System (CBS), National Broadcasting Company (NBC), and the Mutual Broadcasting System (MBS). The three large regional networks included for most years are the Don Lee Network, the Yankee Network, and the Texas State Network. The networks included in television are ABC, CBS, NBC (each of which operates a network in both radio and television) and, until September 1955, the DuMont Network. At that time DuMont withdrew from the network field.

For a detailed discussion of the network system, see the FCC and other reports listed in the general note for series R 93-162; and 84th Cong., 2d sess., Robert F. Jones, Investigation of Television Networks and the UHF-VHF Problems; Progress Report Prepared for the Committee on Interstate and Foreign Commerce, 1955.

R 107 and R 124, network expenditures. Figures are total expenditures of network advertisers in radio or television for time (i.e., access to the individual stations broadcasting the program); for the program, including talent and production; and for the production of the commercial announcements. Such sums include commissions to advertising agencies but exclude discounts and allowances received by the advertiser. The figures are before disbursements by the networks to their affiliated and owned stations, and exclude the nonnetwork time sales of the stations owned by the networks.

R 108 and R 125, national spot expenditures. This type of advertising is commonly confused with commercial, or "spot," announcements. The term "spot" in this context refers to the purchase of time by national advertisers on individual stations "spotted" or selected in various communities. Predominantly, the advertiser expenditures are for commercial announcements adjacent to network or other programs carried by the individual stations. In addition, national spot advertisers sponsor programs or purchase "participations" in station-supplied programs. Thus, national spot advertiser expenditures include total time sales (after discounts but

including commissions to advertising agencies and station representatives) multiplied by an estimated "adjustment" factor for program and production.

R 109 and R 126, local advertising expenditures. These include total time sales (after trade discounts but including commissions to advertising agencies) multiplied by an estimated "adjustment" factor for program and production. Local advertiser expenditures are made both in connection with the broadcast of commercial announcements and the supply of a program service. The main distinction between national spot and local advertising is as follows: National spot advertisers are connected with firms or companies which produce or distribute goods or services on a national or regional basis, and which usually place their advertising message on a number of selected stations. Local advertisers are usually local retailers and other organizations whose goods or services are primarily for local distribution. As such, a local advertiser will place his advertising message only on the stations in his community or marketing area. However, in practice, the "national" and "local" categories are not completely differentiated.

R 110-122 and R 127-139. Networks and stations reporting, broadcast revenues, expenses, income, gross investment, and employees, 1935-1970.

Source: U.S. Bureau of the Census, 1935, Census of Business, 1935, Radio Broadcasting, pp. 15, 25; U.S. Federal Communications Commission, 1937–1947, Annual Report, various issues; 1948–1970, AM-FM Broadcast Financial Data and TV Broadcast Financial Data, various issues.

The basic sources of figures shown in the Annual Report are Statistic⁸ of the Communications Industry in the United States, annual issues, and processed releases of the FCC.

FCC began the regular annual collection of financial and operating data from networks and stations in 1937. The respondents each year usually include over 90 percent of commercial stations in operation, accounting for well over 95 percent of total industry revenues, expenses, and income. Statistics based on these reports, particularly prior to 1952, have included considerable detail. These statistics have been made available to the public in the Annual Report of the FCC, 1938–1970; Statistics of the Communications Industry in the United States, annual issues; and in processed releases.

R 110-111 and R 127-128, reporting networks and stations. Prior to 1949 the radio data are limited to commercial standard broadcasting (AM) stations and networks operating in the United States, Puerto Rico, and outlying areas. Since 1949, the radio data also include reports of joint AM-FM stations, and reports of FM-only stations. The television data include stations operating in the United States, Puerto Rico, and outlying areas.

R 112-114 and R 129-131, broadcasting revenues. Figures include the amounts received by networks and stations from the sale of time (net of all trade and cash discounts and commissions to advertising agencies and station representatives) and from other broadcast activities as follows: Gross amount received for services of talent under contract to and in the pay of networks or stations; net commissions, fees, and profits for services in obtaining, or for placing with others, talent not under contract to and in the pay of respondent; amounts received for furnishing manuscripts, transcriptions, productions, or other program materials or services; and amounts received for incidental broadcast activities such as charges for studio facilities and special charges in connection with remote broadcasts, fees or other charges for conducting studio tours, and fees or profits received for the right to operate concessions.

R 115-117 and R 132-134, broadcasting expenses. The broad expense categories reported include technical, program, selling, and general and administrative expenses. Among the expenses required to be included are the following: Salaries and wages; talent expenses;

film and transcription expense; commissions to staff salesmen; insurance; depreciation and amortization of broadcast investments; rents paid for use of broadcast property; taxes (other than Federal taxes on income); and losses on notes, accounts, and other amounts receivable.

R 118-120 and R 135-137, broadcasting income. Figures represent net operating revenues (before Federal income tax), excluding income derived by the networks and stations from sources and operations other than broadcasting.

R 121 and R 138, gross investment. Figures represent investment in tangible broadcast property, before depreciation. The FCC report form requires that the costs be reported on an original-cost basis, and not on the basis of cost readjustments resulting from the sales or transfers of stations. Tangible broadcast property includes land and buildings, if owned, and transmitter and studio property; it excludes financial assets and good will. In the case of stations which have been sold, it represents that portion of the price assigned by the licensee to the property. Tangible broadcast property is, therefore, not a measure of total investment in broadcasting.

R 122 and R 139, employees. Figures include all employees, staff and nonstaff, full and part time, not excluding general officers and other managerial officials, but excluding "uncompensated" employees. Figures for 1935 are employees reported as of the 15th of each month, summed and divided by 12; 1938, week beginning Dec. 11; 1939–1943, middle week in October; 1944–1946, as of Dec. 31; 1946–1948, middle week in October; 1955–1970, as of Dec. 31.

R 140-148. Safety and special radio stations authorized, by class, 1913-1970.

Source: 1913-1926, U.S. Department of Commerce, Annual Report of the Secretary of Commerce, various issues; 1927-1934, Federal Radio Commission, Annual Report, various issues; 1935-1970, U.S. Federal Communications Commission, Annual Report, various issues.

Prior to 1948, the only data available to measure the use of radio in various nonbroadcast safety and special radio services were the number of authorized stations. The term "station," however, has not had a uniform significance among these services or within the same service over time. Primarily, the term reflects licensing procedures. A station is a single authorization issued by the FCC (or its predecessor licensing agencies) authorizing the use of one or more transmitters on assigned frequencies. A station may include one of the following: One or more transmitters at a fixed (land or fixed stations) location; one or more mobile transmitters; a system including a transmitter at a fixed location and one or more mobile transmitters or one of these in a combination with more than one frequency. Within most of the services, station authorizations have been changed from one to another form in an effort to simplify licensing procedures. As a result, year-to-year changes in the number of stations must be interpreted with caution, particularly if a decrease is shown.

Most of the nonbroadcast radio services are grouped together as the safety and special radio services, which constitute the greatest number of radio stations licensed by the FCC. Utilization of these services by individuals, industry, commerce, and State and local governments cover broad fields of operations in connection with protection of life and property, industrial and agricultural production, transportation, disaster, and civil defense.

R 149-162. Authorized land stations and mobile transmitters in the safety and special radio services, 1948-1970.

Source: See source for series R 140-148.

The distinctive characteristics of a land station are that it is located at a fixed site, has a fixed antenna and a panel control, and is used for communication in the mobile services (aviation, land

transportation, etc.). In the land mobile radio services, a land station is referred to as a base station. Thus, in the taxicab radio service, the base station is used to send and receive communications to and from the associated mobile transmitter-receivers located in the taxicabs. In the marine radio services, coastal stations are examples of land stations, and in the aviation radio services, aeronautical stations are the land stations.

Fixed stations are similar to land stations but are employed in the nonmobile radio services to communicate, or transmit messages, to other land points.

Mobile transmitters, as the name implies, are installed in moving vehicles, or are hand carried or are used as pack set units. They have relatively simple antenna and switching equipment and, in conjunction with a receiver, are used for transmitting and/or receiving information. Such transmitters usually tie in with a land station, the

latter serving as a central control point for communicating with the various mobile units.

One major shortcoming of the transmitter data, however, is that they measure authorized rather than operating transmitters. This divergence is not too great in the case of the land or fixed transmitters. It is estimated that over 90 percent of the authorized transmitters are in operation. However, an entirely different situation prevails with respect to mobile transmitters. The number of mobile transmitters is an approximation of the number of transmitters in actual operation. Approximately 50 percent of the authorized mobile transmitters are included in these figures. Licensees, in applying for authorizations, have wide latitude in estimating the number of mobile units they expect to have in operation within the license period.

See also text for series R 140-148.

* *	* * * * * * * * * More Recent Data for Historical Statistics Series * * * * * * * * *	*
*	Statistics for more recent years in continuation of many of the still-active series shown here appear	*
*		*
*	direct linkage of the historical series to the tables in the Abstract, see Appendix I in the Abstract.	*
^ ★	*******	· ★

Series R 93-105. Radio and Television Stations, Sets Produced, and Households With Sets: 1921 to 1970 [Figures as of June 30, except for census figures in italics which are as of Apr. 1]

		Operating	broadcast st	tations 1			Cable te	elevision		Sets pro	oduced 2	Househol	ds with
	Standard	Frequ modulatio	ency on (FM)	Televisi	on (TV)		Subsci	ribers (house	holds)	Radio	Television	Radio	Television
Year	broadcast (AM)	Commer- cial	Noncom- mercial	Commer- cial	Noncom- mercial	Systems	Total (1,000)	Percent of U.S.	Average per system	(1,000)	(1,000)	sets (1,000)	sets (1,000)
	93	94	95	96	97	98	99	100	101	102	103	104	105
1970	4,288	2,126	416	691	190	2,490	4,500	7.6	1,807	16,406	4,852	62,000	59,550
1969 1968 1967 1966	4,254 4,208 4,135 4,075	2,018 1,850 1,708 1,515	375 348 318 291	680 655 626 613	177 156 127 108	2,260 2,000 1,770 1,570	3,600 2,800 2,100 1,575	6.1 4.4 3.8 2.9	1,593 1,400 1,186 1,003	20,549 22,566 21,698 23,595	5,309 5,813 5,104 7,285	\$ 46,108 60,600 58,500 57,500 57,000	60,594 58,250 56,670 55,130 53,850
1965 1964 1963 1962 1961	4,025 3,976 3,860 3,745 3,602	1,343 1,181 1,120 1,012 889	262 243 221 201 186	589 582 581 571 553	92 79 70 59 54	1,325 1,200 1,000 800 700	1,275 1,085 950 850 725	2.4 2.1 1.9 1.7 1.5	962 904 950 1,063 1,036	24,119 19,176 18,282 19,162 17,374	8,382 8,107 7,130 6,471 6,178	55,200 54,000 52,300 51,305 50,695	52,700 51,600 50,300 48,855 47,200
1960	3,483	741	165	579	47	640	650	1.4	1,016	17,127	5,708	50,198 48,504	45,750 46,312
1960 1959 1958 1957 1956	3,377 3,253 3,079 2,896	622 548 530 530	154 147 135 126	566 556 519 496	43 32 26 20	560 525 500 450	550 450 350 300	1.3 1.1 .9	982 857 700 667	15,622 11,747 14,505 13,518	6,349 4,920 6,399 7,387	* 49,450 48,500 47,600 46,800	* 43,950 41,924 38,900 34,900
1955 1954 1953 1952 1951	2,732 2,583 2,458 2,355 2,281	540 558 580 629 649	124 117 106 92 83	458 402 198 108 107	11 6 1 -	400 300 150 70	150 65 30 14	(Z) (Z) (Z) (Z)	875 217 200 200	14,183 10,028 12,852 10,431 11,928	7,757 7,347 7,216 6,096 5,385	45,900 45,100 44,800 42,800 41,900	30,700 26,000 20,400 15,300 10,320
1950	2,144	691	62	104						13,468	7,464	40,700	3,875 5,030
1949 1948 1947 1946	2,006 2,034 1,795 1,215	787 1,020 918 511	34 46 38 24	69 108 66 30						11,400 16,500 20,000 15,955	3,000 975 179 6	40,411 39,300 37,623 35,900 33,998	940 172 14 8
1945 1944 1943 1942 4 1941	955 924 912 925 897	53 52 48 42 49	12 8 7 8 7	9 9 8 10 2						(4) (4) (4) 4,307 13,642		33,100 32,500 30,800 30,600 29,300	
1940 1940	847		8							11,881		28,500 28,048	
Year	Operating standard broadcast stations (AM)	Radio sets produced (1,000)	Households with radio sets (1,000)]	'ear	Operating standard broadcast stations (AM)	Radio sets produced (1,000)	Households with radio sets (1,000)		ear	Operating standard broadcast stations (AM)	Radio sets produced (1,000)	Households with radio sets (1,000)
	93	102	104			93	102	104			93	102	104
1939 1938 1937 1936	778 743 704 656	10,768 7,142 8,083 8,249	27,500 26,667 24,500 22,869	1931		612	2,446 3,594 8,789	18,450 16,700 13,750	1926 1925 1924 1923		528 571 580 556	1,750 2,000 1,500 500	4,500 2,750 1,250 400
1985	623 593	6,030 4,479 4,157	21,456 20,400 19,250	1929 1928		. 606	4,428 8,250 2,350	13,750 12,049 10,250 8,000 6,750	1921		30 * 1	100	60

² No production in Alaska and Hawaii.
³ In 1970 Census of Housing, only battery-operated radios were enumerated.
⁴ Authorization of new radio stations and production of radio receivers for commercial use halted from April 1942 until Oct. 1945.
⁵ First station to receive regular license as of Sept. 15; other stations in operation experimentally.

^{*} Denotes first year for which figures include Alaska and Hawaii.

Represents zero.

Z Less than 0.05 percent.

Includes Alaska, Hawaii, Puerto Rico, Guam, and Virgin Islands for all years.

Prior to 1948, the FCC did not keep records on the number of stations on the air.

Therefore, data for 1988-1948 are for authorized stations and may include a number that were not actually on the air.

RADIO AND TELEVISION

Series R 106-122. Radio Advertising Expenditures, Finances, and Employment: 1935 to 1970

	A	dvertising expend	litures (mil. dol.)		Networks	Number of	Broadcas	t revenues, net (1	nil. dol.)
Year	Total	Network	National spot	Local	reporting 1	stations reporting	Total	Network ¹	Other stations
	106	107	108	109	110	111	112	113	114
1970	1,308 1,264 1,190 1,031 1,010	56 59 63 64 64	371 368 360 310 308	881 837 767 657 638	7 7 7 4 4	4 898 4,815 4,594 4,481 4,400	1,137 1,086 1,023 907 872	88 86 81 77 79	1,049 1,000 942 830 793
1965	917 846 789 736 683	60 59 56 46 43	275 256 243 233 221	582 531 490 457 420	4 4 4 4	4,279 4,202 4,126 3,977 3,859	793 719 670 627 584	74 71 69 64 62	719 648 601 563 522
1960	692 656 619 618 567	43 44 58 64 61	222 206 190 187 161	428 406 872 368 346	4 4 7 7	3,688 3,528 3,290 3,164 2,967	598 556 521 515 479	63 60 69 74 70	535 495 451 442 409
1956	545 559 611 624 606	84 114 141 162 180	134 135 146 142 138	326 309 824 321 289	7 7 7 7	2,742 2,598 2,479 2,380 2,266	452 449 475 469 449	78 89 97 101 104	874 360 377 368 345
1950 1949 1948 1948 1947	605 571 562 506 454	196 203 211 201 200	136 123 121 106 98	273 245 230 199 157	7 7 7 7 8	2,229 2,125 1,927 1,516 1,033	443 414 407 864 323	111 108 109 104 102	333 306 298 260 221
1945	424 394 314 260 247	198 192 157 129 125	92 87 71 59 52	134 114 86 73 70	10 9 9 10 8	906 879 846 856 817	299 275 215 179 169	101 95 76 63 62	198 180 139 116 107
1940	216 184 167 165 122 113	113 99 89 89 76 63	42 35 34 28 23 15	60 50 44 48 24 35	(NA) 8	765 705 660 629 (NA) 561	147 124 111 114 (NA) 86	53 49 45 41 (NA)	94 75 66 73 (NA)

	Broad	lcast expenses (mil.	dol.)	Broad	lcast income 2 (mil.	dol.)	Gross	Employees
Year	Total	Network ¹	Other stations	Total	Network ¹	Other stations	investment (mil. dol.)	(1,000)
	115	116	117	118	119	120	121	122
1970 1969 1968 1967 1966	1,044 985 910 826 775	90 88 86 79 76	955 897 824 747 699	93 101 113 81 97	-1 -2 -5 -2 4	94 103 118 89 93	823 780 723 671 623	71.0 70.0 70.6 67.2 64.8
1965 1964 1963 1962 1961	715 645 612 580 552	71 67 63 62 61	644 579 549 518 490	78 73 58 47 82	3 4 6 2 (Z)	75 69 52 45 32	567 521 498 466 426	62.2 60.2 58.0 56.1 54.3
1960 1959 1958 1958 1957	552 512 483 461 430	66 65 73 74 70	486 447 410 387 360	46 44 38 54 50	(NA) (Z)	49 49 42 54 49	423 373 383 328 298	53.0 50.4 48.8 48.9 47.6
1955 1954 1953 1952 1951	406 406 419 408 390	72 80 87 89 94	334 326 332 318 296	46 43 56 61 59	6 8 10 11 10	40 34 45 50 49	287 279 276 267 255	(NA) (NA) (NA) (NA) (NA)
1950 1949 1948 1947 1947	372 363 343 292 246	92 87 91 92 73	281 267 252 200 173	71 56 64 72 76	19 17 18 20 19	52 39 46 52 57	244 231 202 150 108	(NA) 52.0 48.3 (NA) 40.0
1945 1944 1943 1942 1941	216 185 149 134 124	78 68 53 47 44	138 116 96 87 80	84 90 66 45 45	23 26 23 17 17	60 64 43 28 27	88 83 81 81 78	37.8 34.3 31.8 29.6 27.6
1940	114 100 93 92	39 37 36 38	75 62 57 59	33 24 19 19	13 11 8 6	20 13 11 13	71 64 61 55	25.7 23.9 22.5 28.8 (NA)
								2-10

NA Not available. Z Less than \$500,000.

 ¹ Includes network owned and operated stations.
 ² Before Federal income tax.

R 123-139

COMMUNICATIONS

Series R 123-139. Television Advertising Expenditures, Finances, and Employment: 1945 to 1970

	A	dvertising expen	ditures (mil. dol	.)	Networks	Number of	Broadcas	t revenues, net (mil. dol.)
Year	Total	Network	National spot	Local	reporting 1	stations reporting	Total	Network ¹	Other stations
	123	124	125	126	127	128	129	130	131
1970	3,596 3,585 3,231 2,909 2,823	1,658 1,678 1,528 1,455 1,398	1,284 1,253 1,181 988 988	704 654 577 466 442	3 3 8 8	686 673 658 637 608	2,808 2,796 2,521 2,275 2,208	1,457 1,467 1,308 1,217 1,166	1,351 1,329 1,218 1,059 1,087
1965	2,515 2,289 2,032 1,897 1,691	1,287 1,182 1,025 976 887	892 806 698 629 548	386 351 309 292 256	8 8 8 8 8	588 575 565 554 540	1,965 1,793 1,597 1,486 1,318	1,024 929 820 754 675	941 865 777 732 643
1960 1959 1958 1957 1956	1,627 1,529 1,387 1,286 1,225	820 776 742 690 648	527 486 397 352 329	281 267 248 244 253	3 3 3 3 8	580 519 514 501 474	1,269 1,164 1,030 943 897	641 576 517 468 442	628 588 513 475 455
1955 1954 1958 1952 1951	1,085 809 606 454 332	550 422 320 256 181	260 207 146 94 70	225 180 141 104 82	4 4 4 4	437 410 334 122 108	745 593 483 324 236	374 807 232 180 128	371 286 201 144 107
1950 1949 1948 1947 1947	171 58	85 29	81 9	55 19	4 4	107 98 47 15	106 84 9 2 1	56 19 5	50 15 4
1945				 		6	(Z)		

	Broad	cast expenses (mil.	dol.)	Broad	deast income 2 (mil.	dol.)	Gross	
Year	Total	Network ¹	Other stations	Total	Network 1	Other stations	investment (mil. dol.)	Employees (1,000)
	132	133	134	135	136	137	138	139
1970	2,354 2,243 2,026 1,861 1,710	1,290 1,241 1,129 1,057 980	1,065 1,001 897 804 781	454 554 495 415 493	167 22 6 179 160 187	286 328 316 255 306	1,497 1,445 31,807 1,185 1,014	58.4 57.8 55.2 51.7 50.3
1965 1964 1963 1962 1961	1,517 1,878 1,254 1,175 1,081	862 772 684 643 588	655 606 570 532 493	448 416 343 312 237	162 157 136 111 87	286 259 207 200 150	(NA) (NA) 673 631	47.8 45.7 43.6 41.8 40.1
1960 1959 1958 1957 1956	1,025 942 858 783 707	546 488 440 397 357	479 453 418 386 350	244 222 172 160 190	95 88 77 71 85	149 134 95 89 104	598 563 523 478 430	40.6 40.3 39.4 37.8 35.7
1955 1954 1953 1952 1951	595 503 361 269 194	306 270 214 170 117	289 232 147 98 77	150 90 71 56 42	68 87 18 10 11	82 54 53 46 31	365 315 233 124 93	32.3 29.4 18.2 14.1
1950 1949 1948	115 60 24	66 31 11	50 28 12	* 9 * 25 * 15	10 12 6	1 13 9	70 56	

NA Not available. Z Less than \$500,000. ¹ Includes network owned and operated stations.

² Before Federal income tax. ³ Loss.

Series R 140-148. Safety and Special Radio Stations Authorized, by Class: 1913 to 1970

[As of June 30. Includes Alaska, Hawaii, Puerto Rico, and outlying areas. See text for definition of stations]

Year	Amateur and disaster services	Aviation services	Citizens services	Industrial services	Land transportation services	Marine services	Public safety services	Experimental services ¹	Radio operators (1,000)
	140	141	142	143	144	145	146	147	148
1970	283,461 285,175 282,525 279,093 285,600	150,955 143,997 140,799 122,568 105,133	886,951 860,624 867,552 848,237 865,414	222,500 204,266 185,046 169,417 152,315	22,262 21,291 20,016 18,613 16,914	206,251 186,295 164,000 143,612 137,469	72,215 67,730 63,160 58,831 54,839	1,049 1,019 966 898 928	3,688 3,545 3,405 3,240 3,088
1965 1964 1963 1962	280,343 280,818 270,838 251,659 234,681	109,897 107,557 106,202 106,923 92,779	744,718 682,307 446,590 305,138 206,106	141,360 124,347 107,796 98,078 77,778	15,635 14,815 14,089 13,278 12,075	114,075 161,593 143,227 127,633 110,433	50,888 47,389 43,168 38,676 36,658	812 698 780 757 757	2,971 2,870 3,186 2,789 2,499
1960	228,206 205,588 187,362 165,908 154,337	91,180 77,682 62,684 49,699 48,745	126,034 49,269 38,611 27,931 18,602	64,804 49,679 39,978 35,711 30,597	11,452 10,625 10,190 9,592 8,990	97,411 84,947 72,514 63,844 56,915	32,906 29,363 26,512 23,270 20,718	728 891 834 788 716	2,154 1,897 1,682 1,469 1,259
1955 1954 1953 1952 1951	142,387 124,324 111,579 113,163 90,587	43,855 40,154 39,315 32,603 34,061	12,334 7,054 3,829 1,401 560	24,854 21,598 17,378 13,680 9,551	7,668 6,891 5,922 5,027 4,253	50,714 46,299 40,357 35,500 29,544	18,415 15,697 13,631 11,143 9,129	625 586 444 369 404	1,123 968 839 790 701
1950	87,967 81,675 78,434 75,000 70,000	23,794 27,227 20,858 15,943 6,205	335	6,099 4,266 2,855 1,787 702	3,495 3,588 3,122 1,692 156	24,921 20,004 15,024 11,955 8,676	7,607 5,700 4,903 4,620 4,760	466 501 652 532 1,374	624 ² 564 ² 506 442
1945 1944 1943 1942	60,000 60,000 60,000 60,000 60,000	3,793 3,445 3,553 4,713 3,000		576 468 386 356 306		6,817 6,609 5,822	4,446 4,144 3,772 3,455 2,967	487 572 453 497 450	
1940	56,295 53,558 49,911 47,444 46,850 45,561	2,099 1,824 1,460 1,212 8;2 678		340 307 232 221 195 146		4,945 4,036 3,516 2,422 2,219 2,157	2,834 1,536 662 535 403 298	295 372 2,842 1,971 1,576 975	

Year	Amateur and disaster services	Aviation services	Industrial services	Marine services	Public safety services	Experi- mental services ¹	Year	Amateur and disaster services	Marine services	Public safety services
	140	141	143	145	146	147		140	145	146
1934	46,390 41,555	671 646	129 121	2,195 2,192	220 152	681 255	1923 1922	16,570		3
1932 1931	41,555 30,374 22,739	579 463	134 130	2,192 2,225 2,392	123 91	168 160	1921			1
1930	18,994 16,829	281 131		2,173	20 12		1919 1918			
1928 1927 1926	16,928 16,926 14,902			1,954			1916			1
1925 1924	15,000 15,540			1,901 2,741	4 3		1915 1914 1918	1,312	701	

 $^{^{\}rm 1}$ The Experimental Radio Service is the means by which the Federal Communications Commission encourages and promotes basic radio research and development of new radio techniques and systems.

² Estimated.

Series R 149–162. Authorized Land Stations and Mobile Transmitters in the Safety and Special Radio Services: 1948 to 1970

[Includes Alaska, Hawaii, Puerto Rico, and outlying areas. See text for series R 140-148 for definition of stations]

	Avie	tion	Citiz	ens 1	Land trans	portation 1	Ma	rine	Public safety	
Year	Land or fixed stations	Portable or mobile units	Land or fixed stations	Portable or mobile units	Land or fixed stations	Portable or mobile units	Land or fixed stations	Portable or mobile units	Land or fixed stations	Portable or mobile units
	149	150	151	152	153	154	155	156	157	158
1970, June 30 1969, June 30 1968, June 30 1967, June 30 1966, June 30	20,958 20,105 19,527	220,813 210,035 205,771 177,196 151,704	4,663 4,402 5,115 4,934 4,440	3,987,075 2,838,243 2,753,996 2,776,167 2,714,065	25,802 24,766 23,440 21,961 20,215	548,020 526,801 498,941 467,874 425,999	8,610 7,147 6,530 5,565 4,951	242,026 219,036 192,708 168,889 144,678	68,972 64,743 60,441 56,246 52,474	709,497 667,350 624,015 583,309 544,814
1965, June 30 1964, June 30 1963, June 30 1962, June 30 1961, June 30	17,696 16,036 15,294	159,109 154,967 153,786 154,401 132,350		2,545,606 2,383,082 2,183,302 1,429,088 963,688	19,056 18,203 18,340 17,270 15,785	397,331 378,008 369,943 851,989 325,150	4,760 4,402 4,553 4,122 4,015	134,028 191,268 160,934 143,245 123,757	48,780 45,372 60,017 51,975 45,582	496,002 464,428 430,860 388,464 369,890
1960, June 30 1959, June 30 1958, Jan. 1 1957, Jan. 1 1956, Jan. 1	11,524 11,884	111,547 69,451		481,000	11,913 17,100 10,145 9,371 8,069	246,935 425,371 331,608 297,322 243,457	8,878 3,642 3,619 3,094 2,106	103,007 90,007 75,000 62,000 56,265	39,047 87,077 31,184 23,565 18,526	332,940 292,131 273,216 220,022 207,195
1955, Jan. 1 1954, Jan. 1 1953, Mar. 1 1952, Jan. 1 1951, Jan. 1	4,657 6,145 2,716	36,595 37,467 37,951 39,307 32,575			6,616 6,041 5,277 4,302 8,721	154,858 132,944 110,514 92,000 74,966	1,385 1,250 1,174 1,102 1,273	49,742 42,573 87,629 84,187 28,085	13,781 11,742 10,306 7,782 6,579	187,670 152,811 131,549 104,559 80,433
1949, June 15 1949, Jan. 1 1948, Jan. 1		28,037 24,695 20,517				51,774 249,650 331,852	443	19,170 17,414 13,180	4,301	59,122 53,783 38,929

	Indu	strial	Amateur a	nd disaster		Indu	strial	Amateur and disaster	
Year	Land or fixed stations	Portable or mobile units	Land or fixed stations	Portable or mobile units	Year	Land or fixed stations	Portable or mobile units	Land or fixed stations	Portable or mobile units
	159	160	161	162		159	160	161	162
1970, June 30 1969, June 30 1968, June 30 1967, June 30 1966, June 30 1965, June 30 1964, June 30 1962, June 30 1961, June 30 1960, June 30	164,456 150,219 139,033 126,558 119,328 106,921 97,008 88,328 76,065	1,840,649 1,693,936 1,538,525 1,412,377 1,278,673 1,196,170 1,054,584 926,631 804,234 680,880 573,395 480,174	290 287 283 292 286 289 279 233 218	.461 .298 .164 .412 .194 .325 .338 .978 .038 .101	1958, Jan. 1 1957, Jan. 1 1956, Jan. 1 1955, Jan. 1 1954, Jan. 1 1953, Mar. 1 1952, Jan. 1 1951, Jan. 1 1949, June 15 1949, Jan. 1	28,073 22,987 16,009 13,515 12,074 8,676 6,458 2,765	381,421 297,147 252,265 164,262 132,425 115,024 81,418 64,172 33,608 427,842 10,924	160 148,509 129,029 116,286 116,902 113,159 90,601 81,675	566 981 8,408 3,128 1,173 252 385 61

¹ Data for "Citizens" are included with "Land transportation" before 1960.

² Includes Class 2 experimental stations as follows: 46,085 taxicab units and 668 trucks and buses.

Includes 30,000 Class 2 experimental taxicab units.
 Includes 68 Class 2 experimental industrial units.

Postal Service, Newspapers, and Books (Series R 163-257)

R 163. Post offices, 1789-1970.

Source: U.S. Post Office Department, Annual Report of the Post-master General, 1970.

The source also presents a classification of the number of post offices into first, second, third, and fourth class for 1946-1970.

R 164-165. Revenues and expenditures, 1789-1970.

Source: See source for series R 163.

For 1789-1953, revenues and expenses are stated on a cash basis and therefore include payments and receipts in one year applicable to the expenses and revenues of prior years. For 1954-1962, revenues and expenses are stated on an accrual basis, with expenses reported in the year which gave rise to the earnings, whether collected or accrued. For 1963-1970, revenues and expenses are stated on an accrued cost basis.

Comparability of figures from year-to-year are affected by various factors. For example, the Post Office discontinued payment of subsidies to airlines in 1954; the Department also began receiving reimbursement for penalty and franked mail in 1954, costs which the Post Office had previously absorbed.

Expenses include expenditures for plant and equipment of a capital nature and for inventories and supplies, but no provision for depreciation is made. Expenses also include certain public service costs paid by the Post Office Department, but which the Department considered to be unrelated to the determination of the proper operating costs of the Postal Service. These include unreimbursed services for other Government agencies; specific rate subsidies for mailings of second- and third-class mail by certain nonprofit organizations, free-in-county second-class mail, classroom publications, and mail for the blind; excess rates paid to foreign air carriers; and custodial services for other Government departments and agencies. These costs were estimated to have been approximately \$740 million for 1970.

Expenses of the Post Office Department do not include costs applicable to postal operations which are paid by other Government departments and agencies for retirement pay accrual, workmen's compensation and unemployment compensation for postal employees, and certain custodial and maintenance expenses. These expenses amounted to \$424 million in 1970.

R 166-167. Ordinary postage stamps and stamped envelopes and wrappers issued, 1848-1970.

Source: See source for series R 163.

R 168. Postal cards issued, 1873-1970.

Source: See source for series R 163.

The Government postal card was authorized in 1872. The post card, or private mailing card, was introduced in 1898. The rate for this service has been practically identical with that of the postal cards. Business reply cards and letters as a postal service was initiated in 1928.

R 169. Pieces of matter of all kinds handled, 1886-1970.

Source: See source for series R 163.

With the establishment of the cost ascertainment system in 1926, data on the volume of mail have been obtained from sample counts

conducted quarterly for one week at representative post offices, ranging in number from 255 to over 500. These sample data were then projected to include all originating mail at all post offices in the United States. The methods of estimating the number of pieces of matter handled prior to 1926 could not be ascertained. See also general note for series R 172–186.

R 170. Surplus or deficit, 1926-1970.

Source: See source for series R 163.

The Post Office Department operated with a deficit in fiscal year 1970 as it had in all but a few years of its history. The last period in which there was a surplus was during the three World War II years, 1943 through 1945.

The accounts of the Department are maintained in such a way as to reflect the deficit in three ways—the cash deficit, the operating deficit, and the postal fund deficit. The "cash deficit" represents the excess of disbursements over receipts. The "operating deficit," which is utilized in the series, represents the excess of expense over income. The "postal fund deficit" represents the excess of obligations incurred over postal revenues.

$R\,$ 171. Sales of postage stamps and other stamped paper, 1937–1970.

Source: See source for series R 163.

R 172-186. General note.

The bulk of postal revenues and postal expenses cannot be allocated directly to the various classes of mail handled or to special services performed.

Postal revenues (except for about 10 percent which can be directly allocated or computed) are derived from postage acquired in the form of stamps and stamped paper and from payments under permits, which may be used by the purchaser generally on any class of mail. The result is a large common pool of revenues from numerous sources. Similarly, the several classes of mail and the special services are to a considerable extent handled by the same employees using the same buildings, equipment, operating facilities, house services, and supplies.

Pursuant to a Congressional Act of February 28, 1925 (39 U.S.C. 826), a regular, continuing cost ascertainment system was established in 1926 to collect and develop data on the revenue received (including volume and weight of mail) and cost incurred by the Post Office Department. This system was succeeded by the revenue-cost analysis system which incorporated incremental costs concepts into the system for the first time. The latter system represents the culmination of many changes and improvements for the Revenue and Cost Analysis Report (formerly the Cost Ascertainment Report).

The statistics of expenses as published annually are subject to later readjustments as a result of increases in the charges of railroad, air, or other transportation services, or increases in the salaries of Post Office Department employees, if such increases are made retroactive to an earlier fiscal year.

R 172-174. First-class mail, 1926-1970.

Source: U.S. Post Office Department, 1926-1946, Budget Digest, 1949, chapter IV, tables 5-11; 1947-1968, Cost Ascertainment Report, 1956, 1958, and 1968 issues; 1969-1970, Revenue and Cost Analysis, 1970.

Figures cover letters, matter wholly or partially in writing or typewriting, and packages (including local delivery letters), single or double postal and post cards, bills and statements of account, and matter closed against postal inspection. Each piece may not weigh more than 70 pounds or measure more than 100 inches in length and girth combined. Postage may be paid by adhesive stamps, stamped cards or envelopes, meter stamps, or permit imprint. For 1926–1929, domestic airmail could not be segregated and is included with first-class mail. Mail fees are included for 1950–1970. Box rent revenues, previously reported as unassignable are allocated to classes of mail, 1951–1955, and classified with special services for 1956–1970. For 1951–1970, the expense of free mail from members of the Armed Forces is included in first-class mail expenditures.

See also text for series R 188-189.

R 175-177. Second-class mail. 1926-1970.

Source: See source for series R 172-174.

Newspapers and periodical publications, both domestic and foreign, which meet all of the requirements set forth in part 132, Postal Service Manual, may be mailed at the second-class rates of postage. Revenues include postage payments (stamps or money order permit) and, since 1932, payment of fees for use of the second-class privilege; transient second-class matter (mailings of second-class publications by other than the publisher or news agents); publishers' second-class matter forwarded or returned, 1950–1970; mailing fees, 1951–1970; and box rent revenue allocation, 1951–1970.

Expenses include cost of publishers' second-class matter forwarded or returned, 1950–1970, and, for 1953–1970, also includes the expense of sending notices to publishers regarding undelivered mail.

R 178-180. Third-class mail, 1926-1970.

Source: See source for series R 172-174.

Third-class mail embraces all matter less than 16 ounces in weight and not qualifying as first or second class. A significant proportion of the matter mailed under third class is advertising material. Also included are keys, identification cards and tags, or similar identification devices that are without cover and bear, contain, or have securely attached the name and complete post office address of a person, organization, or concern with instructions to return to such address and a statement guaranteeing the payment of the postage due on delivery. In 1928, a special "bulk rate" was made applicable to separately addressed identical pieces of third-class matter mailed at one time. The present law requires such matter be mailed in quantities of at least 50 pounds or at least 200 pieces. Also, there is a single piece third-class rate. Revenues include postage revenues and fees for permits; domestic mail fees, 1951–1970; and box rent revenue allocation, 1951–1970.

Prior to 1953, the revenues and expenses applicable to controlled circulation publications (publications consisting primarily of advertising and distributed free or mainly free) were included with third-class and fourth-class services. For 1953–1970, controlled circulation publications are shown separately.

R 181-183. Fourth-class mail, 1926-1970.

Source: See source for series R 172-174.

This class includes mailable matter 16 ounces or more in weight, not qualifying as first or second class. The major development in this class of mail was the establishment of the parcel post system effective January 1, 1913. Books, special fourth-class and library rate items, catalogs, and matter for the blind, included in fourth class, carry special rates. Mailers of fourth-class articles may use any method of paying postage. Revenues include domestic mail fees for 1951–1970; box rent revenue allocations, 1951–1970; and special handling fees.

R 184-186. Domestic airmail, 1929-1970.

Source: See source for series R 172-174.

Since September 1948, domestic airmail includes a parcel post service and since January 1949 airmail postal and post card service. Paid airmail to and from the Armed Forces overseas and the outlying areas of the United States, formerly in international airmail, is included with domestic airmail, 1947–1970. For 1951–1970, airmail expenses include the cost of free mail from members of the Armed Forces.

Airmail expenditures include subsequent payments, as of June 30, 1950, to airlines for retroactive rate increases where effective. The decline in airmail expenses between 1953 and 1954 resulted from the transfer of subsidy payments to airlines from the Post Office Department to the Civil Aeronautics Board effective October 1, 1953. The Cost Ascertainment Report for 1953 and prior years shows division of service costs and subsidy payments.

For 1954-1970, the Post Office Department experimented with the transporting of all mail by air between a number of major cities. Such mail, carrying first-class postage, is counted within first-class service.

R 187. Post Office employees, 1926-1970.

Source: U.S. Post Office Department, Annual Report of the Post-master General, 1970.

Included are regular or full-time employees and substitute, hourly rate, and part-time employees. Part-time employees are a substantial part of the Post Office labor force.

Prior to October 1933, the operating force for public buildings housing post offices and other Government agencies was on the rolls of the Treasury Department. On that date, the personnel were transferred to the Post Office Department. This increased the regular labor force of the Post Office Department by 8,000 employees.

R 188-190. Postal rates for first-class mail, letters and postal cards, 1792-1970.

Source: 1792-1956, U.S. Post Office Department, United States Domestic Postage Rates, 1789-1956, table I; 1958-1970, Public Law 85-426 (Postal Policy Act of 1958), Public Law 87-793 (Postal Service and Employee Salary Act of 1962), and Public Law 90-206 (Postal Service and Employee Salary Act of 1967).

The postage rates in effect in 1789 were those fixed by the Continental Congress in the Ordinance of 1782. These rates were continued until 1792. It was not until 1863 that mail was divided into "classes." In the early days of the postal service the recipient rather than the sender ordinarily paid the postage. In 1847 postage stamps were introduced, and in 1885 compulsory prepayment for all domestic letter mail was established.

The rates shown are for regular service. During the earlier years of the westward expansion, special local rates were often improvised. Thus, the first letter rate on the "pony express," which operated between Missouri and California from 1860 to 1861, was \$5 for a half ounce, reduced in May 1861 to \$2 for a half ounce, and in July 1861 to \$1 for a half ounce because of a Government subsidy.

A considerable part of the domestic mail service between 1792 and 1863 was carried by ship, and was subject to shipletter rates. These rates are detailed in the source, table II, p. 24. In 1863, a ship and steamboat rate, double the regular rate, was made applicable to domestic mail conveyed by ships not regularly employed in carrying mail. This classification is omitted after 1879 because of its diminishing importance but the double rate is still in effect although little or no matter is mailed under these rates.

In 1863, first-class mail was defined to include letters and matter wholly or partly in writing, except book manuscripts and corrected proof sheets. In 1872, first-class mail was described as including

letters and all correspondence, wholly or partly in writing, except book manuscripts and corrected proof sheets passing between authors and publishers. In 1879, it was redefined to include letters, postal cards, and all matter wholly or partly in writing, except such writing as is authorized to be placed on mail of other classes. See Jane Kennedy, "Development of Postal Rates: 1845–1955," Land Economics, May 1957 issue, pp. 93–112, for additional materials on postal rates, particularly rates for second-, third-, and fourth-class mail.

R 191. Postal rates for domestic airmail, 1918-1970.

Source: See source for series R 188-189, table III, p. 25.

Until 1948, domestic airmail rates applied not only to letters but also to other mailable matter, including sealed parcels up to specified maxima (prescribed according to weight or according to length and girth). Effective September 1, 1948, an Air Parcel Post Service was established. Matter carried by air weighing 8 ounces or less was classified as "airmail" and over 8 ounces "air parcel post." In 1968, air parcel post and first class mail weighing more than 13 ounces were combined and classified "priority mail."

R 192-217. New books and new editions published, by subject, 1880-1970.

Source: Series R 192 and R 193, 1890, Bookman Literary Year-book, 1898, Dodd, Mead Co. All other series reprinted from various issues of Publishers Weekly, published by R. R. Bowker Co., a Xerox Education Co., copyright © by Xerox Corporation.

Figures represent the number of titles published, not the number of books which were printed. Beginning 1967, books are counted by title rather than by volume. Beginning 1959, United Nations Educational, Scientific, and Cultural Organization definition of a "book" (a volume over 49 pages) was adopted. Previously, all hardbound books and all paperbacks that were specialized (workbooks, laboratory manuals, etc.), over 65 pages, or had mass market distribution, were counted. Years prior to 1959, therefore, are not strictly comparable with subsequent years. The data are compiled from information and actual books submitted to R. R. Bowker Company by the various book publishing firms. The source also contains the number of publications for some foreign nations.

R 218-223. Newsprint consumption and newspaper pages, 1940-1970.

Source: U.S. Domestic and International Business Administration, unpublished data.

R 224-231. Newspapers—number and circulation of daily and Sunday newspapers, 1920-1970.

Source: Editor and Publisher, New York, N.Y., International Year Book Number, various issues (copyright).

The term "daily" refers to papers that are published either morning or evening. About 90 percent of the circulation figures are credited by the Audit Bureau of Circulations. The remaining 10 percent is based on publishers' statements to the U.S. Post Office Department. The compilation is checked annually with a questionnaire to every daily newspaper in the country. The source also presents data for individual States.

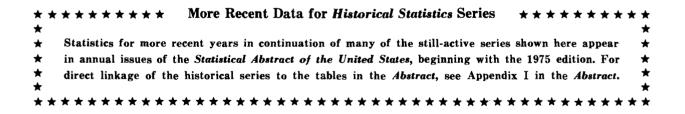
R 232-243. Newspapers and periodicals, 1935-1970.

Source: N. W. Ayer and Son, Inc., Philadelphia, Pa., Ayer Directory of Newspapers, Magazines and Trade Publications, annual issues (copyright).

R 244-257. Number and circulation of newspapers and periodicals, 1850-1967.

Source: 1850-1899, Twelfth Census Reports, Manufactures, vol. IX, part III; 1904-1909, Thirteenth Census Reports, Manufactures, vol. X; 1914-1927, census of manufactures for each census year; 1929-1947, census of manufactures; 1947, Product Supplement, pp. 67 and 68; 1954, U.S. Census of Manufactures: 1954, vol. II, part I, p. 27A-16; 1958, U.S. Census of Manufactures: 1958, vol. II, part I, p. 27A-28; 1963, U.S. Census of Manufactures: 1963, vol. II, part I, p. 27A-35; 1967, U.S. Census of Manufactures: 1967, vol. II, part I, p. 27A-23.

For data prior to 1850, which is not comparable to the data since that time, see Tenth Census Reports, S. N. D. North, History and Present Conditions of the Newspaper and Periodical Press of the United States, p. 47; and W. S. Rossiter, A Century of Population Growth in the United States, Government Printing Office, 1909, p. 32.



Series R 163–171. Postal Service—Post Offices, Revenues and Expenditures, Postage Stamps, Stamped Envelopes and Postal Cards Issued, and Pieces of Mail Handled: 1789 to 1970

[In thousands, except number of post offices. For years ending June 30. Includes Alaska, Hawaii, Puerto Rico, and all outlying areas except the Canal Zone]

Year	Post offices 1	Revenues 2	Expenditures 2	Ordinary postage stamps issued ³	Stamped envelopes and wrappers issued ⁴	Postal cards issued ⁵	Pieces of matter of all kinds handled	Surplus or deficit	Sales of postage stamps and other stamped paper
	163	164	165	166	167	168	169	170	171
1970	32,002 32,064 32,260 32,626 33,121	\$7,701,695 7,025,898 6,423,515 5,101,982 4,784,186	\$7,867,269 7,168,489 6,543,920 6,249,027 5,726,528	26,182,562 27,383,827 34,667,494 26,320,986 23,503,959	1,368,098 1,374,121 1,853,427 1,512,996 1,627,789	830,650 846,695 1,431,311 1,011,675 1,289,000	84,881,833 82,004,501 79,516,731 78,366,572 75,607,302	\$-165,574 -142,591 -120,405 -1,147,044 -942,336	\$1,936,147 1,936,578 1,799,492 1,636,057 1,579,338
1965	33,624 34,040 34,498 34,797 34,955	4,483,390 4,276,123 3,879,128 3,557,041 3,423,059	5,275,840 4,927,825 4,698,528 4,331,617 4,249,414	22,691,106 24,692,326 31,669,175 25,405,929 23,001,808	1,670,726 1,928,982 2,344,717 1,789,415 2,021,032	1,092,380 1,563,165 2,487,038 1,463,665 1,653,595	71,873,166 69,676,477 67,852,788 66,493,190 64,932,859	-792,450 -651,702 -819,400 -837,277 -875,355	1,528,289 1,504,180 1,381,749 1,262,316 1,252,681
1960	35,238 35,750 36,308 37,012 37,515	3,276,588 3,035,232 2,550,221 2,496,614 2,419,354	3,873,958 3,640,368 3,440,810 3,044,438 2,883,305	23,773,570 27,980,885 22,879,828 24,257,860 23,722,489	2,005,442 2,228,813 2,040,211 1,966,336 2,571,416	1,773,090 2,969,055 2,375,065 2,046,515 2,911,276	63,674,604 61,247,220 60,129,911 59,077,633 56,441,216	-634,534 -605,117 -890,577 -547,824 -463,951	1,244,909 1,245,231 1,016,930 1,015,237 1,010,523
1955	38,316 39,405 40,609 40,919 41,193	2,349,477 2,268,517 2,091,714 1,947,316 1,776,816	2,712,150 2,667,664 2,742,126 2,666,860 2,341,399	23,105,454 22,219,068 22,960,962 22,067,083 21,521,807	2,189,521 2,265,309 2,338,622 2,274,660 2,004,569	2,515,392 2,360,534 2,330,921 2,984,124 4,183,748	55,233,564 52,213,170 50,948,156 49,905,875 46,908,410	-362,673 -399,147 -650,412 -719,544 -564,588	999,985 998,965 985,172 948,430 883,357
1950	41,464 41,607 41,695 41,760 41,751	1,677,487 1,571,851 1,410,971 1,299,141 1,224,572	2,222,949 2,149 322 1,687,805 1,504,799 1,353,654	20,647,165 21,047,376 20,432,059 19,542,257 19,180,427	2,052,156 2,219,744 2,117,573 1,996,450 1,815,916	3,872,301 3,468,719 3,656,591 2,951,300 2,477,854	45,063,737 43,555,108 40,280,374 37,427,706 36,318,158	-545,462 -551,130 -308,972 -263,368 -148,083	862,313 856,266 820,904 801,437 843,417
1945	41,792 42,161 42,654 43,358 43,739	1,314,240 1,112,877 966,227 859,817 812,828	1,145,002 1,068,987 952,529 873,950 836,859	20,239,986 19,106,171 19,123,977 19,492,121 16,381,321	2,064,773 1,902,313 1,797,400 1,676,573 1,645,255	2,282,280 1,912,990 2,316,990 2,370,062 2,400,188	37,912,067 34,930,685 32,818,262 30,117,633 29,235,791	+162,642 +37,789 +1,335 -11,825 -26,964	953,770 787,836 658,054 571,651 543,584
1940	44,024 44,327 44,586 44,877 45,230	766,949 745,955 728,634 726,201 665,343	807,629 784,550 772,308 772,743 753,616	16,381,427 15,073,796 14,912,093 15,108,639 13,835,400	1,649,549 1,605,076 1,643,815 1,663,818 1,647,891	2,256,520 2,170,572 2,186,721 2,226,153 1,917,798	27,749,467 26,444,846 26,041,979 25,801,279 23,571,315	-42,225 -40,827 -44,697 -44,704 -90,975	521,758 514,869 515,118 521,675
1935	45,686 46,506 47,641 48,159 48,733	680,795 586,783 587,631 588,172 656,463	696,503 630,733 699,887 793,684 802,485	13,610,497 12,525,717 11,917,442 14,650,970 15,559,164	1,617,677 1,580,820 1,644,993 2,384,793 2,847,439	1,754,030 1,590,257 1,389,524 1,334,753 1,531,246	22,331,752 20,625,827 19,868,456 24,306,744 26,544,352	-69,802 -46,667 -110,007 -206,886 -146,545	
1930	49,063 49,482 49,944 50,266 50,601	705,484 696,948 693,634 683,122 659,820	803,667 782,344 725,700 714,577 679,704	16,268,856 16,917,275 16,676,493 15,999,701 16,333,410	3,164,127 3,228,587 3,201,459 3,145,946 3,001,858	1,643.212 1,783,897 1,872,040 1,834,456 1,668,241	27,887,823 27,951,548 26,837,005 26,686,556 25,483,529	-98,449 -86,310 -33,363 -28,915 -37,906	
1925	50,957 51,266 51,613 51,950 52,168	599,591 572,949 532,828 484,854 463,491	689,282 587,377 556,851 545,644 620,994	17,386,556 15,954,475 15,478,095 14,261,949 13,869,935	2,997,177 2,964,464 2,721,475 2,364,378 2,738,934	1,497,367 1,293,185 1,258,196 1,111,124 1,081,207	28,054,832		
1920 1919 1918 1918 1917	52,641 53,084 54,347 55,414 55,935	487,150 436,239 388,976 329,726 312,058	454,323 362,498 324,834 319,839 306,204	13,212,790 15,020,470 13,065,785 12,451,522 11,671,842	2,350,073 1,844,885 1,819,307 2,161,108 1,853,791	986,156 456,924 707,111 1,112,338 1,047,895			
1915	56,380 56,810 58,020 58,729 59,237	287,248 287,935 266,620 246,744 237,880	298,546 283,544 262,068 248,525 237,649	11,226,386 11,112,254 10,812,508 9,929,174 10,046,069	1,798,764 1,864,714 1,724,730 1,684,624 1,690,775	975,542 962,072 946,862 909,411 975,139	18,567,445 17,588,659 16,900,552		
1910	59,580 60,144 60,704 62,658 65,600	224,129 203,562 191,479 183,585 167,938	229,977 221,004 208,352 190,238 178,450	9,067,165 8,781,875 7,651,400 7,061,037 6,284,450	1,506,862 1,509,626 1,266,003 1,418,840 1,230,288	726,441 926,479 809,427 805,569 798,918	14,850,102 14,004,577 13,364,069 12,255,666 11,861,091		
1905	68,131 71,131 74,169 75,924 76,945	152,827 143,582 134,224 121,848 111,631	167,399 152,362 138,784 124,786 115,555	5,751,018 5,330 887 5,270,549 4,621,286 4,239,274	1,074,918 1,020,255 948,654 853,128 772,839	728,285 702,907 770,658 547,204 659,615	10,187,506 9,502,460 8,887,467 8,085,447 7,424,890		

Series R 163-171. Postal Service—Post Offices, Revenues and Expenditures, Postage Stamps, Stamped Envelopes and Postal Cards Issued, and Pieces of Mail Handled: 1789 to 1970—Con.

[In thousands, except number of post offices]

Year	Post offices 1	Revenues 2	Expendi- tures ²	Ordinary postage stamps issued ³	Stamped envelopes and wrappers issued 4	Postal cards issued ⁵	Pieces of matter of all kinds handled	Year	Post offices ¹	Revenues ²	Expendi- tures ²	Ordinary postage stamps issued ³	Stamped envelopes and wrappers issued 4
	163	164	165	166	167	168	169		163	164	165	166	167
1900 1899 1898 1897	76,688 75,000 73,570 71,022	\$102,354 95,021 89,013 82,665	\$107,740 101,632 98,054 94,077	3,998,545 3,692,776 3,418,458 3,063,634	707,555 628,456 606,447 585,032	523,608	6,576,310 6,214,447 5,781,002	1871	31,863 30,045 28,492	20,037	\$26,658 24,390 23,999	498,126 468,118	113,926 104,675 86,290
1896	71,022 70,860 70,064	82,499 76,983	90,933 87,180	3,025,481 2,795,425	616,040 598,849	524,820 492,306	5,693,719	1869 1868 1867	27,106 26,481 25,163	18,880 17,314 16,292	23,698 22,731 19,235	421,047 383,471 371,600	81,675 73,365 63,087
1895 1894 1893	69,805 68,403	75,080 75,897	84,994 81.582	2,602,278 2,750,298	571,475 636,279	468,500 530,506	4,919,090 5,021,841	1866	29,389	14,387	15,352	347,734	89,095
1892 1891		70,930 65,932	76,981 73,060	2,397,503	593,685 556,226	511,434 424,217	4,369,900	1864	28,878 29,047	14,556 12,438 11,164	12,645 11,314	338,340	7 26,206 28,219 25,549
1890 1889 1888	57.876	60,882 56,176 52,695	66,260 62,317 56,458	1,961,981 1,867,173	513,833 451,864 433,636	429,515 386,809 381,798	3,860,200 3,576,100	1861	28,875 28,586	8,849	11,125 13,607	251,307 211,789	27,234 8 26,027
1887 1886	55,157 58,614	48,838 43,948	53.006	1,746,986 1,620,784	381,611 354,008	356,939 355,648	3,495,100 3,747,000	1860 1859	28,498 28,539 27,977	8,518 7,968 7,487	14,875 15,754 12,722	216,371 192,202 176,761	29,280 30,280 30,971
1885 1884 1883	48.434	42,561 43,326 45,509	50,046 47,225 43,283	1.459.768	322,751 322,232 259,266	339,417 362,877 379,517		1857	26.586	7,354	11,508 10,405	154,729	33,033 33,764
1882	46,231 44,512	41,876 36,785	40.482	1,114,560 954,128	256,565	351,498 308,537		1855 1854 1853	24,410 23,548 22,320	6,256	9,968 8,577 7,983	72,977 56,330 56,344	23,452 21,384 5,000
1880 1879	42,989 40,588 38,253	33,315 30,042 29,278	36,543 33,450 34,165	875,682 774,359 742,462	207,137 177,562 183,500	272,550 221,797		1852 1851	20.901	5,185	7,108 6,278	54,136	
1878 1877 1876	36,255 37,345 36,383	27,532 28,644	33,486	689,581 698,799	170,651	170,015 150,815		1850 1849 1848	16.749	4,705	5,213 4,479 4,327	956	
1875 1874 1873	34.294	26,791 26,471 22,997	33,611 32,126 29,085	682,342 632,733 601,932	136,419	91.079		[16,159	4,500	4,327	800	

Year	Post offices 1	Revenues ²	Expendi- tures ²	Year	Post offices 1	Revenues 2	Expendi- tures ²	Year	Post offices 1	Revenues 2	Expendi- tures ²
	163	164	165		163	164	165		163	164	165
1847	15,146	\$3,880	\$3,980	1827	7,300	\$1,525	\$1,470	1807	1,848	\$479	\$454
1846	14,601	3,487	4,076	1826	6,150	1,448	1,367	1806	1,710	446	417
1845	14,183	4,290	4,321	1825	5,677	1,307	1,229	1805	1,558	421	377
1844	14,103	4,237	4,299	1824	5,182	1,198	1,188	1804	1,405	389	338
1843	13,814	4,296	4,375	1823	4,043	1,130	1,157	1803	1,258	352	322
1842	13,733	4,547	4,628	1822	4,709	1,117	1,168	1802	1,114	327	282
1841	13,778	4,408	4,500	1821	4,650	1,059	1,165	1801	1,025	320	255
1840	13,468	4,544	4,718	1820	4,500	1,112	1,161	1800	903	281	214
1839	12,780	4,485	4,637	1819	4,000	1,205	1,118	1799	677	265	188
1838	12,519	4,239	4,431	1818	3,618	1,130	1,036	1798	639	233	179
1837	11,767	4,102	3,288	1817	3,459	1,003	917	1797	554	214	150
1836	11,091	3,408	2,842	1816	3,260	962	804	1796	468	195	132
1835	10.693	2,994	2,757	1815	3,000	1,043	748	1795	453	161	118
1834		2,824	2,911	1814	2,670	730	727	1794	450	129	90
1833		2,617	2,930	1813	2,708	703	681	1793	209	105	72
1832		2,259	2,266	1812	2,610	649	540	1792	195	67	55
1831		1,998	1,936	1811	2,403	587	499	1791	89	46	37
1830 1829 1828	8,450 8,004 7,530	1,851 1,707 1,660	1,933 1,782 1,690	1810 1809 1808	2,300 2,012 1,944	552 507 461	496 498 463	1790 1789	75 75	38 • 8	32 • 8

⁶ For 1918 and 1919, includes \$44,500,000 and \$71,392,000, respectively, war-tax revenue accruing from increased postage.

⁷ Special-request envelopes first issued in this year.

⁸ Newspaper wrappers first issued under act of Feb. 27, 1861; they were not made after Oct. 9, 1934.

⁹ For 3 months only.

¹ Excludes branches and stations.

² Accounting basis changed from cash to accrual basis in 1954; from accrual basis to accrued cost basis in 1963.

³ First issued under act of Mar. 3, 1847, and placed on sale at New York, July 1, 1847.

⁴ Stamped envelopes first issued June 1853, under act of Aug. 31, 1852.

⁵ First issued May 1, 1873, under act of June 8, 1872.

Series R 172-187. Postal Service—Revenues, Expenses, and Volume of Mail, by Classes of Mail, and Employees: 1926 to 1970

[In millions, except employees in thousands. Includes Alaska, Hawaii, Puerto Rico, and all outlying areas except the Canal Zone]

	Fir	st-class m	ail 1	Seco	ond-class 1	nail	Thi	ird-class n	nail	Fou	rth-class	nail	Airm	ail, domes	tic 18	Post Office
Year	Rev- enues ²	Ex- penses	Pieces	Rev- enues ²	Ex- penses	Pieces	Rev- enues ²	Ex- penses	Pieces	Rev- enues ²	Ex- penses	Pieces	Rev- enues ²	Ex- penses	Pieces	em- ployees
	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187
1970	\$3,290	\$1,985	48,640	\$155	\$292	9,351	\$827	\$531	19,974	\$778	\$554	977	\$484	\$188	1,718	741
	3,135	1,692	46,411	147	350	9,206	782	460	19,622	831	542	1,031	485	165	1,836	789
	2,722	2,660	43,183	134	569	8,907	743	1,144	20,665	767	939	1,039	425	304	2,065	731
	2,442	2,407	41,998	129	551	8,711	704	1,116	20,985	742	933	1,070	329	271	2,111	717
	2,334	2,176	40,422	126	524	8,634	682	1,041	20,305	712	896	1,066	277	221	1,828	675
1965	2,193	1,965	38,068	119	499	8,600	650	999	19,454	702	846	1,045	243	198	1,629	596
	2,109	1,814	36,943	108	481	8,559	612	899	18,599	659	815	1,066	216	181	1,505	585
	1,824	1,691	35,833	98	454	8,227	563	874	18,407	645	806	1,076	200	172	1,545	587
	1,615	1,605	35,333	94	455	8,090	510	787	17,837	634	787	1,024	185	163	1,545	588
	1,558	1,547	34,289	89	442	7,966	498	787	17,569	626	774	978	171	151	1,453	582
1960 1959 1958 1957 1956	1,510 1,439 1,092 1,066 1,014	1,395 1,303 1,229 1,040 978	33,235 32,274 32,218 31,561 30,078	81 69 66 66	412 373 351 327 318	7,535 7,099 7,148 6,888 6,915	441 391 288 281 266	711 678 611 528 472	17,910 16,978 15,849 15,702 14,676	607 576 584 586 593	736 709 699 641 608	1,016 1,038 1,170 1,184 1,173	157 153 137 140 137	137 131 127 119 114	1,356 1,368 1,435 1,483 1,487	563 550 538 521 509
1955	968	906	28,718	66	299	6,740	270	442	15,050	595	598	1,136	130	109	1,467	512
1954	908	845	27,085	62	293	6,483	252	399	13,866	587	609	1,195	127	119	1,470	507
1953	909	822	27,257	58	298	6,762	218	374	12,004	491	623	1,245	121	157	1,430	507
1952	843	787	26,502	51	288	6,956	171	361	11,630	485	619	1,257	121	148	1,391	524
1951	785	678	25,578	49	245	6,520	158	286	10,534	431	537	1,235	95	116	1,094	498
1950	741	665	24,500	45	242	6,265	154	292	10,343	404	506	1,179	74	109	853	501
1949	706	629	23,206	44	234	6,987	136	267	9,389	356	485	1,209	65	104	856	518
1948	668	518	21,948	41	210	6,344	112	201	8,188	272	368	1,143	54	83	796	503
1947	627	500	20,665	89	201	6,124	96	171	6,803	235	298	1,067	54	68	772	471
1946	598	454	20,059	33	181	5,832	83	135	6,055	209	250	994	68	50	716	487
1945	615	374	21,009	29	145	5,522	76	99	5,446	233	232	1,028	81	50	876	436
1944	540	370	20,510	29	138	4,635	63	88	4,409	202	217	961	79	49	1,092	390
1948	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	374
1942	459	293	16,972	27	113	4,571	74	98	5,435	151	169	779	33	37	463	360
1941	432	278	15,989	26	109	4,607	83	105	6,075	142	161	738	24	31	323	361
1940	413	267	15,224	25	110	4,577	75	101	5,556	134	156	712	19	28	259	353
1939	400	263	14,657	24	111	4,310	70	94	5,181	133	151	693	16	25	221	349
1938	389	259	14,226	24	114	4,377	71	95	5,272	129	146	670	15	22	210	345
1937	384	254	13,882	24	113	4,529	72	92	5,356	132	146	685	12	19	168	332
1936	355	247	12,731	22	113	4,353	63	86	4,674	122	140	618	10	17	134	324
1935	310	229	12,498	20	107	4,138	55	76	4,030	112	133	573	7	13	89	309
1934		206	11,557	21	99	3,956	50	67	3,612	102	121	531	6	15	57	314
1933		227	10,878	20	108	3,869	51	79	3,753	100	132	530	6	23	60	322
1932		277	14,598	23	125	4,552	51	80	3,641	114	146	617	6	24	89	333
1931		278	15,824	27	124	4,857	58	82	4,100	138	158	766	6	18	88	339
1930	359 361 356 345 321	279 276 268 262 247	16,901 17,170 16,706 16,284 15,266	81 80 35 35 34	120 124 120 119 118	4,968 4,834 4,678 4,753 4,658	61 62 66 69 69	83 81 72 73 71	4,325 4,341 3,838 4,062 3,962	152 143 144 141 145	167 163 151 146 148	837 770 752 743 770	5 4 	15 11	69 56	340 340 337 332 329

NA Not available.

¹ For 1926-1929, domestic airmail included with first-class mail.

² For 1951-1955, box rent revenue, previously classified as unassignable, allocated to classes of mail; thereafter, classified as "Special services."

³ Beginning 1947, includes airmail to and from Armed Forces overseas, previously included with foreign mail. Beginning 1954, excludes reimbursement for airmail transportation.

⁴ In fiscal year 1969 the department changed from a fully distributed cost system to an attributable cost system.

Series R 188-190. Postal Rates for First-Class Mail, Letters and Postal Cards: 1792 to 1970

[First-class mail as a mail category not officially established until 1863. Ship and steamboat letters, 1792–1863, carried special rates]

Year of rate change	Letters, nonlocal	Postal cards (cents)	Year of rate change and distance	Single letters ⁵ (cents)	Year of rate change and distance	Single letters ⁵ (cents)
	188	189		190		190
1968–1970 1968. 1958, Aug. 1 1952. 1940. 1932. 1919. 1917. 1885. 1883. 1872. 1863 *. 1861 4.	4¢ per oz. 3¢ per oz. (1) 8¢ per oz. 2¢ per oz. 3¢ per oz. 2¢ per oz. 2¢ per √2 oz. 3¢ per √2 oz.	(1) 1 1 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1	1855: Not over 3,000 miles. Over 3,000 miles, all prepaid. 1851: Not over 3,000 miles, prepaid. Not over 3,000 miles, prepaid. Over 3,000 miles, prepaid. Over 3,000 miles, prepaid. Over 3,000 miles, not prepaid. 1847. 1845: Not over 300 miles. Over 300 miles. 1816: Not over 30 miles. 31-80 miles. 31-80 miles. 151-400 miles. Over 400 miles. Over 500 miles. Over 500 miles.	(6) (6) 5 10 10 121/2	1815, over 500 miles 1799: Not over 40 miles 41-90 miles 91-150 miles 301-500 miles 301-500 miles Over 500 miles 1794, over 500 miles 1792: Not over 30 miles 31-60 miles 61-100 miles 101-150 miles 151-200 miles 201-250 miles 251-350 miles 351-460 miles 000 ver 450 miles	17 20 25 8 25 6 8 10 121/2 15 17 20 22

¹The 1940 rate change provided that the 3¢ letter rate was not to apply to first-class matter for local delivery or for delivery within a county with a population of over 1 million if county was entirely within a corporate city.

²Government postal cards first authorized in 1872.

³ A uniform rate regardless of distance, a free city delivery service, and a letter unit of ½ ounce instead of the former "single letter" were inaugurated.

⁴ Rate between any point in the U.S. east of the Rocky Mountains and any State or Territory on the Pacific. For other rates, see those for 1855.

Series R 191. Postal Rates for Domestic Airmail: 1918 to 1970

[Includes Alaska, Hawaii, Puerto Rico, and all outlying areas except the Canal Zone]

Effective date	Rate	Effective date	Rate	Effective date	Rate
	191		191		191
1968, Jan. 7 to 1970 1963, Jan. 7 1958, Aug. 1 1949, Jan. 1 1948, Sept. 1 1946, Oct. 1 1944, Mar. 26 1934, July 1	10¢ per oz., 8¢ each for airmail postal and post cards 8¢ per oz., 6¢ each for airmail postal and post cards 7¢ per oz., 5¢ each for airmail postal and post cards 6¢ per oz., 4¢ each for airmail postal and post cards (3) 5¢ per oz. 8¢ per oz. 6¢ per oz.	1932, July 6 1928, Aug. 1 1927, Feb. 1	5¢ first oz.; 10¢ each additional oz. 10¢ per ½ oz., regardless of distance (both contract and Government- operated air routes)	1926, Feb. 15 1925, July 1 1924, July 1 1919, July 18 1918, Dec. 15 1918, May 15	

¹ Airmail postal and post card service started Jan. 1, 1949.

² Prior to 1948, weight and size limits for airmail were the same as for first-class mail; beginning Sept. 1, 1948, matter carried by air weighing 8 oz. or less was classified as "airmail," and over 8 oz. as "air-parcel post."

⁵ A communication of 1 sheet. Proportionately higher rates charged for letters of 2, 3, and 4 or more sheets (packet).

⁶ Various acts between 1847 and 1850 established special rates for the western and southwestern U.S.

⁷ In 1825, rates for single letters, 151 to 400 miles, increased to 18½ cents.

⁸ Between 1794 and 1863, extra fees were charged for city delivery service. The proceeds went to the letter carrier.

³ Zones were (1) New York-Chicago, (2) Chicago-Cheyenne, (3) Cheyenne-San

Francisco.

4 Not strictly an "airmail rate." Between July 18, 1919, and July 1, 1924, there was no airmail rate and no offer of airmail service. Some mail, however, was carried by planes at the regular first-class rate of 2¢ per oz.

Series R 192-217. New Books and New Editions Published, by Subject: 1880 to 1970

	Вос	oks publishe	ed 1	New books										
Year	Total	New books	New editions	Agri- culture	Art	Biography	Business	Educa- tion	Fiction	General works	History	Home economics	Juvenile	
	192	193	194	195	196	197	198	199	200	201	202	203	204	
1970 1969 1968 1967 1966 1965 1964 1963 1962 1961	36,071 29,579 30,387 228,762 30,050 28,595 28,451 25,784 21,904 18,060	24,288 21,787 23,321 21,877 21,819 20,234 20,542 19,057 16,448 14,238	11,783 7,792 7,066 6,885 8,231 8,361 7,909 6,727 5,456 3,822	200 216 191 218 212 214 209 219 215 194	852 856 930 844 779 763 776 664 590	735 718 786 783 819 455 697 680 667 622	658 566 644 509 478 437 411 396 308 286	842 721 917 781 886 789 934 777 559 461	1,998 1,816 1,822 1,981 1,699 1,615 1,703 1,859 1,787	568 508 521 426 410 384 361 346 279 231	1,010 1,191 1,048 1,015 959 909 834 847 812 796	235 267 245 203 219 241 188 205 156 143	2,472 1,321 2,318 2,390 2,375 2,473 2,533 2,605 2,328 1,513	
1960	15,012 * 14,876 13,462 13,142 12,538 12,589 11,901 12,050 11,840 11,255 11,022	12,069 12,017 11,012 10,561 10,007 10,226 9,690 9,724 9,399 8,765 8,634	2,943 2,859 2,450 2,581 2,581 2,363 2,211 2,326 2,441 2,490 2,388	121 101 122 120 106 125 111 126 114 105	422 354 409 304 283 305 285 265 267 272	746 671 608 699 676 735 687 710 650 586	240 327 283 266 222 228 196 225 180 180 190	308 368 276 254 229 231 223 201 238 229	1,642 1,675 1,592 1,433 1,500 1,459 1,512 1,495 1,354 1,329 1,211	233 326 213 360 305 315 339 360 336 329 262	695 750 750 773 521 572 529 495 454 435	155 141 142 115 159 205 192 197 237 186 150	1,628 1,540 1,424 1,420 1,384 1,372 1,193 1,264 1,094 982	

New	books-	Continued
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Year	Language	Law	Literature	Medicine	Music	Philoso- phy, psy- chology	Poetry, drama	Religion	Science	Sociology, economics	Sports, recreation	Techno- logy	Travel
	205	206	207	208	209	210	211	212	213	214	215	216	217
1970	339	355	1,349	1,144	217	843	973	1,315	1,955	3,867	583	930	848
1969	355	363	1,348	928	227	678	944	1.278	1,999	3.216	585	884	802
1968	387	432	1,301	1,022 935	210	669	791	1,511	2,011	3,107	501	1,072	885
1967 1966	382	392	1,172	935	165	633	739	1,502	1,835	2,761	391	1,051	769
1966	459	316	1,185	1,007 871	207	629	728	1,477	2,079	2,632	441	1,091	732
1965	385	291	1,166	871	183	582	775	1,428	1,850	2,372	474	942	635
1964	414	256	1,038	876	156	528	681	1,441	1,923	2,445	452	939	747
1963	334	269	861	752	139	505	578	1,459	1.648	1,932	427	960	595
1962	226	219	771	688	137	436	505	1.174	1,309	1,603	367	780	532
1961	248	203	617	595	114	433	517	1,098	1,193	1,289	381	665	455
1960		303	560	388	82 93	496	404	983	833	651	233	4 574	372
1959		245	630	445	93	505	395	984	814	566	204	585	298
1958		245	495	393	89	467	373	941	781	494	201	443	271
1957		252	477	359	78	480	378	883	697	416	195	316	291
1956		221	570	334	88	425	337	810	531	448	160	404	294
1955		240	529	407	85	362	423	747	623	443	175	355	290
1954		226	493	345	69	386	389	774	522	463	201	325	230
1953		196	485	328	58	425	412	725	522	467	194	294	280
1952	}	236	518	350	71	427	424	715	513	478	168	311	264
1951		223	445	336	80	393	400	636	521	430	151	287	230
1950		228	510	312	88	380	453	626	499	447	153	366	221

Books published ¹				Books published ¹				Books published ¹			
Year	Total	New books	New editions	Year	Total	New books	New editions	Year	Total	New books	New editions
	192	193	194		192	193	194		192	193	194
1949 1948	10,892 9,897	8,460 7,807	2,432 2,090	1926	9,925	6,832	1,527	1903 1902	7,865 7,833	5,793 5,485	2,072 2,348
1947 1946	9,182 7,735	7,243 6,170	1,939 1,565	1925 1924	9,574 9,012	6,680 6,380	1,493 1,158	1901	8,141	5,496	2,645
1945	6,548	5,386	1,162	1923 1922 1921	8.863	6,257 5,998	921 865	1900 1899	6,356 5,321	4,490 4,749	1,866 572
1944	6,970 8,325	5,807 6,764	1,163 1,561	l		5,438	1,008	1898 1897 1896	4,886 4,928	4,332 4,171	554 757
1942 1941	9,525 11,112	7,786 9,337	1,789 1,775	1920	8.594	5,101 7,625	1,086 969	ł .	5,703	5,189	514
1940 1939	11,328 10,640	9,515 9,015	1,813 1,625	1918 1917 1916	10.060	8,085 8,849 9,160	1,152 1,211 1,285	1895	5,469 4,484	5,101 3,837 4,281	368 647 853
1938	11,067 10,912	9,464 9,273	1,603 1,639	1915	9.734	8.349	1,285	1893 1892 1891	5,134 4,862 4,665	4,281 4,074 (NA)	788
1936	10,436	8,584	1,852	1914	12,010	10,175 10,607	1,835 1,623	1890	4,559	4,113	(NA) 446
1935 1934	8.198	6,914 6,788	1,852 1,410	1912	10,903 511,123	10,135 10,440	768 783	1889	4,014 4,631		
1933 1932	8,092 9,035	6,813 7,556	1,279 1,479	1910	13.470	11,671	1,799	1887 1886	4,487 4,676		
1931	10,307	8,506	1,801	1909	9,254	10,193 8,745	708 509	1885	4,030		
1930 1929	10,027 10,187	8,134 8,342	1,898 1,845	1907 1906	9,620	8,925 6,724	695 415	1884 1883	3.481		
1928 1927	10,354 10,153	7,614 7,450	1,562 1,449	1905	8,112	7,514	598	1882 1881	3,472 2,991		
	1	<u> </u>	<u>'</u>	1904	8,291	6,971	1,320	1880	2,076	N	

NA Not available.

1880-1919, includes pamphlets; 1920-1928, pamphlets included in total only; thereafter, pamphlets excluded entirely.

Beginning 1967, counting methods were revised; prior years not strictly comparable with subsequent years. See text.

³ Beginning 1959, data not strictly comparable with previous years because of change in definition of "book." See text.
⁴ Prior to 1961, includes military.
⁵ Agrees with source; however, figures for components do not add to total shown.

Series R 218–223. Newsprint Consumption and Newspaper Pages: 1940 to 1970

[Consumption figures in 1,000 short tons]

	N	lewsprint co	nsumption	1	Newspar	er pages		N	Newsprint co	onsumption	1	Newspar per is	er pages
		1	Vewspapers	2	per i	ssue 2			1	Newspapers	2	per is	ssue ²
Year	Total	Total	Adver- tising	Other content	Daily	Sunday	Year	Total	Total	Adver- tising	Other content	Daily	Sunday
	218	219	220	221	222	223		218	219	220	221	222	223
1970 1969 1968 1967	9,754 9,820 9,162 9,159	9,071 9,133 8,521 8,518	5,579 5,662 5,274 5,213	3,492 3,471 3,247 3,305	47 56 55 53	145 191 186 178	1954 1953 1952 1951	6,103 6,109 5,915 5,872	5,732 5,713 5,569 5,557	3,376 3,394 3,286 3,295	2,356 2,319 2,283 2,262	36 37 36 36	122 121 117 113
1965	9,099 8,442 8,092 7,577	8,462 7,851 7,482 7,047	5,221 4,750 4,616 4,313	3,241 3,101 2,866 2,734	53 50 47 46	180 167 154 148	1950 1949 1948 1947	5,863 5,532 5,136 4,658	5,521 5,142 4,781 4,420	3,279 2,977 2,811 2,550	2,242 2,165 1,970 1,870	36 34 32 29 27	112 107 102 94
1962 1961 1960 1959*	7,412 7,358 7,312 7,073	6,893 6,843 6,800 6,578	4,205 4,126 4,148 4,026	2,688 2,717 2,652 2,552	45 43 43	145 139 142 141	1946 1945 1944	4,192 3,451 3,218 3,559	3,995 3,237 3,048 3,409	2,177 1,667 1,530 1,568	1,818 1,570 1,518 1,841	22 23 26	84 70 68 78 82 88
1958 1957 1956 1955	6,515 6,768 6,807 6,484	6,059 6,300 6,320 6,173	3,635 3,843 3,925 3,827	2,424 2,457 2,395 2,346	39 40 41 40	135 138 135 132	1942 1941 1940	3,721 3,922 3,739	3,587 3,694 3,507	1,442 1,481 1,403	2,145 2,213 2,104	26 27 27	82 88 86

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ Apparent consumption; equals production plus imports minus exports adjusted for year-end changes in newspaper publishers, inventories, and domestic mill stocks.

Series R 224-231. Newspapers—Number and Circulation of Daily and Sunday Newspapers: 1920 to 1970
[Circulation in thousands. Figures as of October 1 of each year]

			Daily ne	wspapers			Sun	day				Daily ne	wspapers			Sun	day
	Т	otal	Мог	ning	Eve	ning	news	papers		То	otal	Мог	ning	Eve	ning	news	papers
Year	Num- ber	Circu- lation	Num- ber	Circu- lation	Num- ber	Circu- lation	Num- ber	Circu- lation	Year	Num- ber	Circu- lation	Num- ber	Circu- lation	Num- ber	Circu- lation	Num- ber	Circu- lation
	224	225	226	227	228	229	230	231		224	225	226	227	228	229	230	231
1970 1969 1968 1967 1966	11,748 11,758 11,752 11,749 11,754	62,108 62,060 62,535 61,561 61,397	334 333 328 327 324	25,934 25,812 25,838 25,282 24,806	1,429 1,443 1,443 1,438 1,444	36,174 36,248 36,697 36,279 36,592	586 585 578 573 578	49,217 49,675 49,693 49,224 49,282	1944 1943 1942 1941	1,744 1,754 1,787 1,857	45,955 44,393 43,375 42,080	338 333 345 377	18,059 17,078 17,111 16,519	1,406 1,421 1,442 1,480	27,896 27,315 26,264 25,561	481 467 474 510	37,946 37,292 35,294 33,436
1965 1964 1963 1962 1961	11,751 11,763 11,754 11,760 11,761	60,358 60,412 58,905 59,849 59,261	320 323 311 318 312	24,107 24,365 23,459 24,563 24,094	1,444 1,452 1,453 1,451 1,458	36,251 36,048 35,446 35,286 35,167	562 561 550 558 558	48,600 48,383 46,830 48,888 48,216	1940 1939 1938 1937 1936	1,878 1,888 1,936 1,983 1,989	41,132 39,671 39,572 41,419 40,292	380 383 398 406 405	16,114	1,498 1,505 1,538 1,577 1,584	25,018	525 524 523 539 520	32,371 31,519 30,481 30,957 29,962
1960 1959 1958 1957 1956 1956 1956 1	11,763 11,755 11,751 11,755 11,755	58,882 58,300 57,418 57,805 57,102	312 306 307 309 314	24,029 23,547 23,161 23,171 22,492	1,459 1,455 1,456 1,453 1,454	34,853 34,753 34,258 34,635 34,610	563 564 556 544 546	47,699 47,848 46,955 47,044 47,162	1935 1934 1933 1932 1931	1,950 1,929 1,911 1,913 1,923	38,156 36,709 35,175 36,408 38,761	390 385 378 380 384		1,560 1,544 1,533 1,533 1,539		518 505 506 518 513	28,147 26,545 24,041 24,860 25,702
1955 1954 1953 1952 1951	1,760 11,765 1,785 1,786 1,778	56,147 55,072 54,472 53,951 54,018	316 317 327 327 319	22,188 21,705 21,412 21,160 21,223	1,454 1,448 1,458 1,459 1,454	33,964 33,367 33,060 32,791 32,795	541 544 544 545 543	46,448 46,176 45,949 46,210 46,279	1930 1929 1928 1927 1926	1,942 1,944 1,989 1,949 2,001	39,589 39,426 37,973 37,967 36,002	388 381 397 411 425		1,554 1,563 1,542 1,538 1,576		521 528 522 526 545	26,413 26,880 25,772 25,469 24,435
1950 1949 1948 1947 1946 1945	1,772 1,780 1,781 1,769 1,763 1,749	53,829 52,846 52,285 51,673 50,928 48,384	322 329 328 328 334 330	21,266 21,005 21,082 20,762 20,546 19,240	1,450 1,451 1,453 1,441 1,429 1,419	32,563 31,841 31,203 30,911 30,382 29,144	549 546 530 511 497 485	46,582 46,399 46,308 45,151 43,665 39,680	1925 1924 1923 1922 1921 1920	2,008 2,014 2,036 2,033 2,028 2,042	33,739 32,999 31,454 29,780 28,424 27,791	427 429 426 426 427 437		1,581 1,585 1,610 1,607 1,601 1,605		548 539 547 546 545 522	23,355 22,220 21,463 19,713 19,041 17,084

 $^{^1\,\}rm Total$ is adjusted to account for "all-day" papers listed in both morning and evening figures. Circulations are divided between morning and evening totals.

² Based on information of Media Records, Inc. Through 1968, newspaper pages per issue based on average in 39 cities; thereafter, on average in 110 cities.

COMMUNICATIONS

Series R 232-243. Newspapers and Periodicals: 1935 to 1970 [Data refer to year of complication of the Directory, i.e., generally to year preceding year shown]

		-	Newspapers					*	Periodicals			,
Year	Total	Semi- weekly	Weekly	Daily	Other	Total	Weekly	Semi- monthly	Monthly	Bi-monthly	Quarterly	Other
	232	233	234	235	236	237	238	239	240	241	242	243
1970 1969 1968 1967 1966	11,383 11,336 11,293 11,307 12,365	423 413 387 366 382	8,903 8,855 8,858 8,915 9,785	1,838 1,833 1,833 2,	219 235 215 026 226	9,578 9,484 9,400 9,238 10,002	1,856 1,787 1,796 1,808 1,884	589 587 606 573 335	4,314 4,353 4,331 14,296 4,796	957 899 899 859 912	1,108 1,084 1,078 1,051 1,119	749 724 690 651 956
1965	11,383	357	8,989	1,843	194	8,990	1,716	550	14,195	876	1,030	623
1964	12,382	390	9,761	1,963	218	9,798	1,724	334	4,847	910	1,065	918
1968	12,295	391	9,739	1,974	191	9,643	1,792	313	4,744	858	1,025	911
1962	12,293	376	9,774	1,970	173	9,483	1,740	305	4,705	826	1,030	877
1961	12,285	361	9,783	1,968	173	9,275	1,656	301	4,634	801	998	885
1960 *	12.207	324	8,979	1,854	158	8,422	1,580	527	14,113	743	895	564
1959		359	9,812	1,977	146	9,004	1,592	302	4,577	712	950	871
1958		332	9,768	1,969	138	8,927	1,705	292	4,490	676	914	850
1957		354	9,854	1,946	145	8,722	1,681	288	4,457	639	842	815
1956		338	9,813	1,963	142	8,718	1,748	283	4,450	614	831	792
1955	11,415	324	9,126	1,860	105	7,648	1,602	503	13,782	608	674	479
1954	12,398	328	9,960	1,999	111	8,092	1,584	260	4,218	604	695	731
1953	12,645	346	10,173	2,009	117	7,792	1,494	242	4,115	598	673	670
1952	12,833	341	10,381	1,998	113	7,711	1,485	246	4,118	558	665	639
1951	13,009	362	10,514	2,018	115	7,635	1,491	239	4,132	517	633	623
1950	12,115	337	9,794	1,894	90	6,960	1,443	416	13,694	436	604	367
	12,814	326	10,386	2,014	88	7,570	1,537	244	4,078	458	635	623
	12,900	301	10,511	2,001	87	7,346	1,498	262	3,970	412	576	628
	12,877	284	10,523	2,003	67	7,083	1,394	272	3,805	401	609	602
	12,804	286	10,424	2,020	74	6,693	1,331	253	3,595	345	595	574
1945	12,791	283	10,430	2,004	74	6,569	1,359	246	3,503	309	578	574
	12,889	308	10,504	2,006	71	6,672	1,456	226	3,500	285	588	617
	13,456	356	10,967	2,043	90	7,040	1,489	215	3,826	274	586	650
	14,100	408	11,474	2,131	87	7,374	1,609	248	3,983	288	601	645
	14,284	397	11,617	2,153	117	7,141	1,449	222	3,966	277	595	632
1940	13,314 14,213 14,112 14,336 13,928 14,091	368 380 383 401 368 369	10,860 11,516 11,421 11,592 11,288 11,438	2,216 2,242 2,272 2,189 2,197	086 101 66 71 83 87	6,432 6,846 6,412 6,320 6,670 6,546	1,399 1,408 1,220 1,251 1,546 1,484	427 218 202 253 216 203	13,466 3,821 3,663 3,512 3,622 3,628	241 250 219 208 197 196	538 563 530 530 497 493	361 591 578 571 592 562

^{*} Denotes first year for which figures include Alaska and Hawaii.

Series R 244-257. Newspapers and Periodicals—Number and Circulation: 1850 to 1967

[Circulation in thousands. Data for 1947 and 1954 are for establishments having 1 or more regularly paid employees for whom a social security account was maintained at the Bureau of Old-Age and Survivors Insurance. Data for 1921-1939 are for establishments reporting annual receipts of \$5,000 or more. For prior years the corresponding limit was \$500. Circulation figures are the totals of average circulation per issue]

					News	papers						Perio	dicals	
	То	tal	Da	ily	Sun	day	Wee	ekly	Ot	her	То	tal	Wee	ekly
Year	Number	Circu- lation	Number	Circu- lation	Number	Circu- lation	Number	Circu- lation	Number	Circu- lation	Number	Circu- lation	Number	Circu- lation
	244	245	246	247	248	249	250	251	252	253	254	255	256	257
1967 1963 1958 1954 1947 1939 1937 1935 1933 1931 1929 1927 1925 1923 1921 1919	9,022 10,282 9,173 8,826 8,266 6,884 9,299 10,176 9,693 9,569 9,248 9,419 15,697	(NA) 136,600 136,803 136,353 119,568 96,477 95,296 87,096 76,298 86,457 91,778 87,617 80,705 276,408 275,411 273,139 267,108	(NA) 1,766 1,778 1,820 1,854 2,040 2,065 2,037 1,903 2,044 2,091 2,116 2,271 2,334 2,441 2,580	66, 527 63, 831 58, 713 56, 410 53, 287 42, 966 43, 345 40, 871 37, 630 41, 294 42, 015 41, 368 37, 407 33, 742 33, 029 28, 777	(NA) 560 552 510 416 542 528 523 489 555 578 571 602 588 604 571	52,129 51,669 48,262 46,350 42,736 33,007 32,713 29,196 25,454 27,453 29,012 27,696 25,630 24,853 19,369 16,480	(NA) 5,377 6,315 6,249 7,705 6,212 5,839 5,337 4,218 6,313 7,075 6,661 6,435 5,903 6,059 12,145	(NA) 17,500 26,177 30,336 21,408 18,295 17,287 15,185 12,048 16,173 18,884 16,173 18,884 16,20 20,741 21,851	(NA) (NA) (NA) (NA) 443 307 379 394 369 274 387 430 421 472 488 507	(NA) 13,600 3,651 3,257 2,137 2,209 1,951 1,844 1,166 1,537 1,867 1,674 1,678	(NA) (NA) 4,455 3,427 4,610 4,985 4,202 4,019 3,459 4,887 5,157 4,659 4,496 3,747 4,796	(NA) 427,915 408,364 449,285 384,628 239,693 224,275 178,621 174,759 183,527 202,022 191,000 179,281	(NA) (NA) 478 487 892 1,109 954 966 878 1,066 1,158 1,099 1,133 984 995 1,230	(NA) (NA) 105, 147 82, 066 69, 393 55, 825 56, 115 42, 648 39, 365 30, 782 34, 495 39, 107 34, 826 31, 436 23, 090 31, 162 28, 486
1909 1904 1900	³ 17,023	² 58,505 ² 50,464	2,600 2,452 42,226	24,212 19,633 415,102	520 494	13,347 12,022	13,903 13,513	20,946					1,194	19,877 17,418
1890			4 971 4 574	48,387 43,566 42,602 41,478 4758										

NA Not available.

¹ Data are estimates based on the yearly subscription rate of reporting newspapers, as many small newspapers did not report circulation.

¹ Includes fortnightly.

Does not include circulation of "Other" newspapers (series R 253), not available prior to 1925.
 Does not include a number of "Other" newspapers (series R 252), not available prior to 1919.
 Includes a small number of periodicals.

Energy

S 1-218. General note.

Energy to meet the expanding power needs of our economy has been secured from various animate and inanimate sources. Among those of historical significance, whose use is generally within the control of mankind, are human and animal power; waterpower; windpower; wood and other vegetable matter used as fuel; coal; oil; and natural gas; and, since 1957, atomic energy. Currently, efforts are being made to develop and control solar energy, internal heat of the earth, and, through chemical processing, certain additional natural resources such as shale and sea water. For those interested in developing a comprehensive understanding of power problems the following books are suggested: Eugene Ayers and Charles A. Scarlott, Energy Sources The Wealth of the World, McGraw-Hill Publishing Company, Inc., New York, 1952; P. C. Putnam, Energy in the Future, D. Van Nostrand Company, Inc., New York, 1953; Fred Cottrell, Energy and Society, McGraw-Hill Publishing Company, Inc., New York, 1955; J. F. Dewhurst and Associates, America's Needs and Resources, A New Survey, The Twentieth Century Fund, New York, 1955; Ali Bulet Cambel, editor, Energy R&D and National Progress, Government Printing Office, 1964; Hans H. Landsberg and Sam H. Schurr, Energy in the United States, Sources, Uses, and Policy Issues, Random House, New York, 1968; Warren E. Morrison and Charles L. Readling, Energy Model for the United States, Energy Balances for the Years 1947-1965, and Projections and Forecasts, U.S. Bureau of Mines Information Circular 8384, 1968; N. B. Guyol, The World Electric Power Industry, University of California Press, Berkeley and Los Angeles, 1969; M. King Hubbert, "Energy Resources," in Resources and Man, W. H. Freeman and Co., San Francisco, 1969; U.S. Congress, Joint Committee on Atomic Energy, Environmental Effects of Producing Electric Power, selected materials and hearings issued in 4 vols., 1969 and 1970; U.S. Senate, Committee on the Judiciary, hearings of the Subcommittee on Anti-Trust & Monopoly, Competitive Aspects of the Energy Industry, parts 1 and 2, 1970; U.S. Bureau of the Census, 1967 Census of Manufactures-Fuels and Electric Energy Consumed, Report MC 67(S)4, Government Printing Office, 1971; Joel Darmstadter with Perry D. Teitelbaum and J. G. Polach, for Resources for the Future, Inc., Energy in the World Economy: A Statistical Review of Trends in Output, Trade, and Consumption Since 1925, Johns Hopkins University Press, Baltimore, 1971; National Petroleum Council, U.S. Energy Outlook -An Initial Appraisal (1971-1985), Washington, D.C., 1971; Resources for the Future, Inc., in cooperation with M.I.T. Environmental Laboratory, Energy Research Needs, a report to the National Science Foundation, document No. PB 207-516, National Technical Information Service, Springfield, Va., 1971; U.S. Federal Power Commission, The 1970 National Power Survey, issued in 4 parts, 1971 and 1972; Walter G. Dupree, Jr., and James A. West, United States Energy Through the Year 2000, U.S. Dept. of the Interior, 1972; Edison Electric Institute, Statistical Yearbook of the Electric Utility Industry, New York, annual; U.S. Federal Power Commission, World Power Data, annual; U.S. Bureau of Mines, Minerals Yearbook, vols. I-II combined, Metals, Minerals, and Fuels, annual; United Nations Statistical Office, World Energy Supplies, Statistical Papers, Series J, New York, annual; U.S. Senate Committee on Interior and Insular Affairs, A National Fuels and Energy Policy Study, Pursuant to Senate Resolution 45, 1972-1974; Federal Power Commission, Natural Gas Survey, forthcoming.

Preparation of historical tables showing energy from various sources and total energy input on a per capita or other basis is complicated. The amounts shown will differ greatly depending on the

basis and point of measurement used. End-use data, for example, will show far larger increases in total per capita over the last 100 years than will data presenting physical measures such as tons, gallons, cubic feet, or B.t.u.'s because of increased efficiency in conversion and utilization.

Data on energy available from mineral fuels, waterpower for electric energy, and fuel wood are shown in series M 76-92. For total waterpower, net imports from waterpower sources in Canada and the energy equivalent of waterpower not converted to electric energy (direct drive from water wheels) must also be considered. Statistics available for power sources not included here are presented in some of the sources cited above. Data on the development and use of energy for power and related purposes are compiled or summarized and published by: Federal agencies such as the Bureau of Mines, Bureau of the Census, Rural Electrification Administration, Bureau of Labor Statistics, Federal Power Commission, Federal Reserve Board, Interstate Commerce Commission; the various trade associations such as the Edison Electric Institute, American Gas Association, Bituminous Coal Institute, American Petroleum Institute; and various technical journals, particularly in their statistical issues.

S 1-14. Total horsepower of all prime movers, 1849-1970.

Source: 1849-1952, J. F. Dewhurst and Associates, America's Needs and Resources, A New Survey, © 1955 by The Twentieth Century Fund, New York, p. 1117; 1955, estimates prepared by John A. Waring for Transactions of Canadian Sectional Meting, World Power Conference, 1958; 1960-1970, unpublished estimates from John A. Waring.

Data for 1849-1952 for series S 4 (work animals), S 10 (sailing vessels), and S 12 (windmills), as shown on p. 1117 of America's Needs and Resources, are based on data presented in appendix 25-3 of that volume. All other data for 1849-1919 are from C. R. Daugherty, A. H. Horton, and R. W. Davenport, Power Capacity and Production in the United States, Water Supply Paper No. 579, U.S. Geological Survey, 1928. The original data from Daugherty et al. were for 1849 and subsequent 10-year intervals through 1919. Estimates for 1850 and subsequent 10-year intervals through 1940 are based on straight-line interpolation of original data.

All data for 1929, 1939, 1950, and 1952 shown in Dewhurst were prepared by John A. Waring. According to Waring, estimates for 1952 as shown in Dewhurst are too low for mines and farms, and too high for railroad locomotives.

A technical and statistical bibliography of early data pertaining to the development of horsepower equipment in the United States appears on pp. 43 and 44 of Daugherty et al. This source also contains a section on the sources and accuracy of the data. The following appraisal of the data appears on p. 21: "In general the accuracy of the statistics presented...increases with each successive decade. The data for the early years are almost wholly estimated, but it is believed that the estimates are supported by bases accurate enough to lend a degree of authenticity to them."

In addition to the classifications shown in series S 1-14, the installed mechanical horsepower in a number of special industries was also calculated for 1960 by Waring, as follows (in thousands): Municipal waterworks pumping engines, 2,188; gas utility stations, 1,775; natural gas pipeline pumping stations, 6,110; underground gas storage pool compressor engines, 470; petroleum pipeline pumping stations, 4,560; standby communications generator sets, 632; isolated non-industrial generator sets, 5,204; construction and contractors' building

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equipment, 89,182; inboard powered motor boats and yachts, 29,870; outboard powered motor boats, 60,500; portable chain saws, 2,020; and power lawn mowers, 36,800. These total 239,311 thousand horsepower, which, when added to the 1960 total of 11,007,889 thousand shown in series S 1, result in an aggregate of 11,247,200 thousand horsepower.

S 15-24. Consumption of raw materials in constant 1967 dollars, by broad use classes, 1900-1969.

Source: U.S. Bureau of the Census and U.S. Bureau of Mines, Raw Materials in the United States Economy: 1900-1969 (Working Paper No. 35), table A5.

The raw-materials series presented in the source are regrouped in these series in terms of the major purposes for which the materials are used. This classification represents materials used in the entire U.S. economy, including the raw-materials industries.

Minerals usually used for energy purposes are increasingly being absorbed for nonfuel uses. Some such uses are for synthetic rubber, carbon black, and other chemical raw materials; for lubricants, asphalt, road oil, waxes; and as carbon in iron and electrodes. The approximate significance of such uses is indicated by the following figures:

Period	Mineral fuels used for nonfuel purposes as a percent of total mineral fuels use
1960-1969	6.7
1950-1959	5.0
1940-1949	4.2
1980-1939	3.3
1920–1929	2.6
1910-1919	1.4
1900-1909	1.2

The figures in series S 15-24 exclude such uses from the figures presented for "energy materials" and include them in "physical-structure materials."

It should be noted that the relative importance of the foods, energy materials, and physical-structure materials segments of the consumption pattern is somewhat influenced by the consumption of raw materials within the raw-materials industries. The value of purchased feed for farm animals and seed are excluded here. However, the mineral fuels consumed in producing raw materials are included, as well as the indirect consumption of raw materials represented by the capital-goods requirements of the raw-materials industries. Available staff facilities did not permit extensive analysis of the magnitude of consumption of raw materials within the raw-materials industries. It appears, however, that 4 to 7 percent of all energy has been used in mineral-fuel production.

See also series K 392-406, L 56-71, and M 38-53 for raw material consumption by agricultural materials, forest products, and minerals, respectively.

S 25-31. Consumption of fuel resources, by major consumer group, 1947-1970.

Source: U.S. Bureau of Mines, Minerals Yearbook and Mineral Industry Surveys, annual issues.

Most of the uses in the residential and commercial classification have the common characteristic of contributing personal comfort: Lighting, heating, and cooling in homes, schools, theaters, offices, and stores; and the operation of dozens of other appliances from kitchen stoves to office equipment. The line between the two is particularly thin in the case of large apartment houses, which, for the purpose of most energy statistics, are classified as commercial. Industry comprises manufacturing and mining. The transportation category takes in both private vehicles operated by their owners and public transportation—long distance as well as short haul, passenger as well as freight, and water and air as well as land.

Miscellaneous is a "catch-all" category embracing such diverse uses and users as street lighting, the defense establishment, construction activities, transportation activities other than those identifiable in published statistics, and agriculture, which includes all uses of energy in farming, etc.

S 32-175. General note.

Some data on the production and use of electric energy are available since the beginning of commercial production in 1882. Data for 1882–1920, however, are difficult to evaluate because of changing bases of measurement and variations in coverage of the various censuses or other surveys made during the period. The Bureau of the Census published the results of censuses of the electric light and power industries made at 5-year intervals for 1902–1937, and the reports of the census of manufactures and of mineral industries contain important data on industrial use and production of electric energy. The Geological Survey, the Electrical World (McGraw-Hill Publishing Company, Inc., New York), and the National Electric Light Association also published considerable data applicable to the industry during this early period.

The chief gaps in the data for these years are in the production of electric energy by industrial establishments for their own use, and in the measurement of the sales by electric railroads and railways for public distribution. Early data on capacity must be converted from horsepower (hp.) to kilowatts (kw.) to be comparable: and capacity data in kilovolt-amperes (kv.-a.) were often tabulated as kw. without adjustment for the power factor. Data on generation were also often reported without allowance for the kilowatt-hours (kw.-hr.) used in production and, in many instances, where the prime mover was used both for direct drive and for electric generation, the kw.-hr. equivalent of power used directly was reported as generation. End uses were reported by appliances, as number of lamps, arc lights, or motors, rather than as kw.-hr. These variations in units of measurements, in classification, and in coverage often resulted in differences in estimated totals of as much as 20 to 25 percent. In presenting historical data on electric energy since 1902, efforts have been made to resolve such differences and place the data on a comparable basis.

Referring to various historical sources, one will note that data published in later years will frequently show material revisions to reflect changes in classification and coverage. In the utility series prior to 1945, for example, when a large generating plant was purchased from an industrial concern, the utility series would be adjusted to include the capacity and generation of this plant in prior years. Where such revisions have been made, the revised data are shown.

Since 1920, comprehensive statistics on capacity and generation of electric utilities for public use have been compiled and published by the Geological Survey for 1920–1936, and by the Federal Power Commission since 1936. Data on capacity and generation by non-utility establishments since 1939 have been compiled and published by the FPC. The Commission also published financial, operating, sales, and rate statistics for the electric utility industry. Data on customers, revenues, sales, and related matters since 1926 are published by the Edison Electric Institute and the McGraw-Hill Publishing Co., Inc., Electrical World.

During the years there has been a marked growth in the application of power from various fuels through electric energy produced not only in generating plants but by generators in mobile equipment of many types. Among these are power plants in ships, railroad locomotives, trailers, barges, trucks, tractors, buses, and in machines used in mining and heavy construction which produce electric energy for driving and operating the mobile unit and for other services related thereto, or to supplement generating plants for temporary periods. Also of interest are the electric generators for auxiliary purposes operated directly or indirectly by the prime movers in automobiles, airplanes, and other mobile engines or by independent power units in refrigerator cars and trailers and many other installations to furnish electric energy directly or to maintain the electric charge in batteries for use as required. The importance of these small generators is indicated by the fact that the 108 million motor vehicles registered

in the United States in 1970 alone have a total generator capacity in excess of that of all the federally owned electric utilities. Except where large units in the general classification of mobile plants are connected to utility systems for power for extended periods, neither capacity nor generation are included in the data indicating production and use of electric energy in the United States. In some cases, however, industries will report the horsepower of such equipment as driving generators, but, in general, do not indicate power output in kw.-hr.

S 32-35. Net production of electric energy, by electric utility and industrial generating plants, by type of plant, 1902-1970.

Source: Summation of series S 36-43.

S 36-39. Net production of electric energy, by electric utility generating plants, by type of plant, 1902-1970.

Source: 1902-1917, U.S. Bureau of the Census, Census of Electrical Industries: Central Electric Light and Power Stations; 1920-1970, U.S. Federal Power Commission, Production of Energy and Capacity of Plants, monthly and annual reports.

Census data for 1902–1917 were adjusted in some instances for classification and coverage by the late L. D. Jennings of the Federal Power Commission. The figures for electric energy produced by waterpower for 1912 and 1917, for example, differ from those published in *Central Electric Light and Power Stations: 1917*, table 26, because they have been adjusted to exclude electricity produced by steam and internal combustion engines at plants which also produced energy by waterpower, and energy produced in plants subsequently included in series S 40–43.

For 1920-1970, data are based on monthly reports by electric utilities to the FPC. Coverage is substantially 100 percent. Included are plants of the privately owned electric utilities, the cooperatively owned systems, and the publicly owned electric utilities. The latter group is composed of the following classes: Municipal electric utilities, Federal projects, public utility power districts, and State power projects.

S 40-43. Net production of electric energy, by industrial generating plants, by type of plant, 1902-1970.

Source: U.S. Federal Power Commission, 1902–1941, unpublished data; 1942–1970, *Production of Energy and Capacity of Plants*, monthly and annual reports.

Data include the generation of electric energy by manufacturing and extracting industries and by electric railroads and railways, but exclude electric energy generated by the following sources: Nonutility generating plants of less than 100 kw. capacity; plants operated by hotels, apartment houses, office buildings, or other commercial, transport, or service establishments; and plants in military installations. The total generating plant generation excluded is estimated at about $1\frac{1}{2}$ percent of the annual total shown for both utility and industrial plants. This percentage has declined in recent years with the development of mobile type generators.

S 44-52. Net production of electric energy, by class of ownership, 1902-1970.

Source: Series S 44-51, see source for series S 36-39; series S 52, see source for series S 40-43.

The Federal Power Commission reports cited above show data for "noncentral stations" within the publicly owned group for 1920–1951. This category included plants supplying electric power primarily for such functions as public street lighting, water pumping, and sewage disposal. Such plants were included in municipal or other named classifications effective 1952. A similar adjustment using records available was made for 1920–1951.

Data for cooperatively owned utilities (series S 47) are shown in the source combined with power districts and State projects. The separate data for series S 47 were obtained from the detailed records of the FPC. These amounts are slightly below those reported by the Rural Electrification Administration, Annual Statistical Report—Rural Electrification Borrowers, because a few plants financed by the REA are included in other classifications or are not, for various reasons, included in the FPC totals.

S 53-57. Number of electric utility generating plants, and production per kilowatt of installed generating capacity, 1902-1970.

Source: See source for series S 36-39.

Figures for series S 57 are based on beginning- and end-of-year average installed generating capacity, except for 1902–1920 when capacity as of the end of the year was used.

In counting the number of generating plants, each prime mover type in combination plants was included separately. Generating capacity represents the manufacturer's maximum nameplate rating of generators.

S 58-73. Privately owned electric utility generating plants, by type of plant and plant size, 1920-1970.

Source: U.S. Federal Power Commission, Statistics of Privately Owned Electric Utilities in the U.S., annual issues.

See text for series S 36-39.

S 74-85. General note.

Gas turbine (plant type) generating capacity is included with steam. Separate data for gas turbines are available from the Federal Power Commission beginning with 1969. Amounts for 1969 and 1970 are as follows (in thousands of kilowatts):

	Electric utilities	Industrial establishments
1970	15,460	441
1969	10,094	424

S 74-77. Installed generating capacity in electric utility and industrial generating plants, by type of plant, 1902-1970.

Source: Summation of series S 78-85.

See also text for series S 36-39 and S 40-43.

S 78-81. Installed generating capacity in electric utility generating plants, by type of plant, 1902-1970.

Source: See source for series S 36-39.

See also text for series S 36-39.

S 82-85. Installed generating capacity in industrial generating plants, by type of plant, 1902-1970.

Source: See source for series S 40-43.

See also text for series S 40-43.

S 86-94. Installed generating capacity, by class of ownership, 1902-1970.

Source: Series S 86-93, see source for series S 36-39; series S 94, see source for series S 40-43.

See also text for series S 44-52.

S 95-106. Consumption of fuels by electric utilities, 1920-1970.

Source: U.S. Federal Power Commission, Fuel Consumption of Electric Power Plants, monthly and annual reports, and unpublished data.

For series S 105-106, data for years prior to 1940 are from the records of the Federal Power Commission or may be computed from the data shown for fuel used and electric energy generated. For 1920-1938, the distribution of energy generated for plants using two or more kinds of fuel was estimated.

The data are based on individual generating plant reports submitted monthly by all electric utilities to the FPC. Both the priS 107–120 ENERGY

vately owned and publicly owned operations are included. The coal figures include anthracite, bituminous, and lignite coal—processed separately for the detailed report—and small amounts of coke; those for oil include crude oil, fuel oil, distillate pitch, sludge, and small quantities of other liquid fuels. The consumption of gas includes both natural gas and byproduct manufactured gas. In general, the minor fuels are reported in units equivalent to those for the major class of fuel with which they are combined. The quantities of each fuel include the consumption of generating plants operating on a standby or other intermittent basis.

Data on fuels used in industrial electric generating plants are not solicited as many establishments do not keep such records separate from fuels used for other purposes.

Kilowatt-hour production represents the summation of net station output after deduction for energy used in the operation of auxiliary equipment and facilities within the generating plants. Where two or more kinds of fuel are used at a particular plant during the same month, allocation of the kilowatt-hour production to each fuel is reported. Where such allocations are not made by the reporting utility, they are estimated on the basis of the latest available annual average B.t.u. content of each fuel used at that plant and the average B.t.u. per kw.-hr. generated reported for each kind of fuel.

S 107. Overall heat rate, 1925-1970.

Source: Edison Electric Institute, Statistical Year Book of the Electric Utility Industry, annual issues.

These data are estimates computed by the Edison Electric Institute by the application of an appropriate calorific factor for each fuel in series S 104-106.

S 108. Annual use of electric energy per residential customer, 1912–1970.

Source: 1912, U.S. Bureau of the Census, Census of Electrical Industries, 1912; 1917–1925, National Electric Light Association, Statistical Supplement to the Electric Light and Power Industry in the United States, Publication 1106, New York, 1931, p. 27; 1926–1970, Edison Electric Institute, Edison Electric Institute Statistical Bulletin, New York, 1952 and 1970 issues.

Averages are based on data for customers and on use reported by the electric utilities. Data for appliances used and related matters are published annually in the statistical issue of *Electrical Merchandising* (McGraw-Hill Publishing Company, Inc., New York).

S 109-111. Percentage of dwelling units with electric service, 1907-

Source: For census years, U.S. Bureau of the Census, census of housing (decennial) and census of agriculture (quinquennial); for intercensal years, various annual issues of the following: National Electric Light Association, Statistical Supplement to the Electric Light and Power Industry in the United States, New York; McGraw-Hill Publishing Company, Inc., Electrical World, New York (copyright); and Edison Electric Institute, Edison Electric Institute Statistical Bulletin, New York.

Some adjustments for comparability and coverage have been made in the source data by the late L. D. Jennings of the Federal Power Commission.

In the annual Statistical Bulletin of the Edison Electric Institute and in the statistical reports of their predecessor organization, the National Electric Light Association (cited above), data on the electrification of farms (series S 110) are presented. The information shown in these publications includes Bureau of the Census data and data compiled by the Rural Electrification Administration as well as material collected by the Institute or the Association. In the annual statistical numbers of the Electrical World (cited above), data are presented showing the percent of the population living in wired homes (series S 109). These percentages are generally based on the relation between the number of residential electric customers and population

in census years. Percentages presented by the different sources indicated may vary from one to the other for intercensal years, depending on the statistical procedures used to determine the number of farms and dwelling units and related concepts applied. Among the items causing variations in the percentages of farms electrified, for example, are the inclusion or exclusion of farms without permanent dwelling units, farms with their own electric power plants, farms without service where distribution lines are within 1/4 mile of the dwelling unit, or interpolation for the number of farms in intervening years between the various censuses of agriculture. The percentages shown are those considered reasonable and comparable to those for census years.

S 112-115, and S 117. Average price of electricity by class of service, 1907-1970.

Source: 1907–1924, based on a study by W. G. Vincent, Pacific Gas and Electric Company, Edison Electric Institute Bulletin, June 1936, p. 224 (adjusted by the late L. D. Jennings for comparability with the Federal Power Commission series); Federal Power Commission, 1925–1934, annual report, Typical Electric Bills: Cities of 50,000 Population and More (except that average prices have been adjusted from as of October 1, as originally published, to as of January 1 for comparability with the series subsequent to 1934); 1935–1970, Typical Electric Bills, 1964, p. VI and 1970, p. IX.

Prior to 1935 for series S 113-115 and for all years for S 112, the average bills for specified consumption are based on typical bills for residential and industrial service in cities with 50,000 or more inhabitants. These cities include about one-third of the total U.S. population. Beginning 1935 for series S 113-115, typical bills are based on residential service in communities with 2,500 or more population. These communities include about two-thirds of the U.S. population. Commercial and industrial service is still based on service in cities of 50,000 or more inhabitants. Since populations in adjacent areas are frequently served under the rate schedules effective in these cities, the bills reported indicate rate levels applicable to more than 70 percent of the total population.

Specifications for the computation of typical net monthly bills are prepared by the Federal Power Commission. Special rates for refrigeration, cooking, or water heating, where generally applicable, are used in computing the bill. Fuel adjustments, commodity adjustments, and tax adjustments where the tax is imposed upon the utility and not upon the customer, and other similar adjustments, have been included in the computations where applicable. Sales taxes computed separately and added to the bill computed under the rate schedules are not included in the bills reported.

Average bills are determined by multiplying the bill as of January 1 for each city by its population and dividing the sum of these products by the sum of the populations. Where two or more utilities serve a community with different bills, the population for each bill is determined by the proportion of customers served by class of service. For service where bills are presented under more than one rate schedule, the lowest bill generally applicable is used.

S 116, S 118, and S 119. Average price of electricity for all users, by class of user, 1902–1970.

Source: 1902-1925, U.S. Bureau of the Census, Census of Electrical Industries, 1917 and 1922 reports; 1926-1970, Edison Electric Institute, Edison Electric Institute Statistical Bulletin, New York, 1952 and 1970 issues.

These averages indicate the average revenue from electric service and will vary with average use and rate levels.

S 120. Electric energy, total use, 1902-1970.

Source: Prior to 1955, summation of series S 121-132; thereafter, summation of series S 121-131.

Total amount is equal to (a) utility sales of electric energy by class of service, plus (b) industrial generation minus sales to utilities, plus

(c) use by utilities except in connection with the operation of generating plants, plus (d) energy furnished others without charge, plus (e) reported losses and unaccounted for, plus (f) estimated production for nonutility generating plants not included in industrial generation, series S 40, minus sales to utilities as shown by utility reports on purchased energy. This total by years was compared with total net generation of utility and industrial plants, series S 32, plus net imports, series S 132, plus estimates of energy produced by generating plants not included in series S 32. Differences of significance were analyzed, sources checked, explanations of the differences considered and adjustments made as necessary to account for all production or use. For 1939-1970, an appreciable portion of the energy estimated for plants not included in series S 32 and related series are variously reported to the Federal Power Commission or available from related material. For prior years, the amount estimated is based on relationships in benchmark years for which census or comparable type data on capacity, production, or use were available.

Beginning 1955, series is more refined, reflecting ultimate use rather than being based on rate classifications. Included is self-generation at Atomic Energy Commission installations; excluded is self-generation at shopping centers, apartment buildings, and offices.

Imports are classified according to ultimate use; "net imports" as a category is not included.

S 121-122. Electric energy, residential and commercial use, 1912-1970.

Source: 1912–1925, based on McGraw-Hill Publishing Company, Inc., Electrical World, annual statistical numbers, New York (copyright), and U.S. Bureau of the Census, Census of Electrical Industries, 1902–1927, reports at 5-year intervals; 1926–1944, Edison Electric Institute, Electric Light and Power Industry in the United States, New York; 1945–1970, U.S. Federal Power Commission, Sales of Electric Energy by Class of Service, monthly reports.

For 1912–1945, some combinations and adjustments were necessary for comparability with data for later years. These adjustments were made by the late L. D. Jennings of the Federal Power Commission.

Series S 121 includes residential use on farms and in rural areas but does not include (a) residential service charged in the rent of dwelling units, (b) service where energy is submetered by large apartment houses or operators of housing projects, (c) residential service secured in connection with commercial or other enterprises purchasing energy usually under commercial service classifications, or (d) irrigation sometimes included in the sales classification "Rural (district rural rates)." The FPC data include some residential service rendered by industrial and certain classes of publicly owned plants excluded from the Edison Electric Institute series.

Series S 122 includes purchases under commercial rate schedules for residential services by operators of apartment houses or housing projects where electric service is included in the rent of the facilities, and submetered service to small industrial establishments. Generally excluded are sales to very large commercial enterprises included in series S 130.

S 123. Electric energy, total industrial use, 1912-1970.

Source: Prior to 1963, summation of series S 124 and S 129; thereafter, see source for series S 121-122.

S 124. Use of electric energy for manufacturing industries, 1912-1962.

Source: 1912–1938, based on data in units of horsepower or kilowatt-hours presented in U.S. Bureau of the Census reports of the census of manufactures; 1939–1962, based on reports of the census of manufactures and U.S. Federal Power Commission report, *Industrial Electric Power*, 1939–1946, and unpublished data.

Estimates or reported data were checked with information on industrial or large light and power sales of electric energy plus data available or developed for industrial generation with allowances for

data applicable to series S 129, and, to a limited extent, series S 130. Adjustments that appeared reasonable in view of all information available, including that for later years, were made by the late L. D. Jennings of the Federal Power Commission for changes or variations in classification and coverage.

S 125. Use of electric energy for manufacture of nuclear fuels and related products, 1943-1970.

Source: 1943, U.S. Atomic Energy Commission, unpublished data; 1944-1970, U.S. Federal Power Commission, unpublished data.

Data for 1955-1970 were reported by suppliers of major installations of the Atomic Energy Commission and by the Commission itself.

S 126. Use of electric energy for paper and chemical industries, 1912–1954.

Source: See source for series S 124.

The figures combine data for two major industry groups—paper and chemicals; they exclude major nuclear energy projects where included in the chemical industry group.

S 127. Use of electric energy for primary metals, 1912-1962.

Source: See source for series S 124.

Figures include ferrous and nonferrous metals.

S 128. Use of electric energy for other manufacturing industries, 1912-1962.

Source: See source for series S 124.

S 129. Use of electric energy for extracting industries, 1912-1962.

Source: U.S. Bureau of the Census, 1912–1939, based on Census of Mineral Industries, reports for 1919, 1929, and 1939; U.S. Federal Power Commission, 1940–1946, Industrial Electric Power, 1939–1946; 1947–1962, unpublished data.

Data for 1947–1962 are based on generation reported by industrial plants in this classification. Data from trade associations and from technical publications on total output and on electric energy per unit computed for intercensal years for representative establishments were used to check data estimated for these years by other methods.

S 130. Use of electric energy for miscellaneous light and power,

Source: See source for series S 121-122.

Figures include uses variously classified as other, industrial or large light and power (but not included in manufacturing or mineral industries), street and highway lighting, other sales to public authorities where service is not rendered under commercial or industrial rate schedules or purchased for resale by publicly owned systems, railroads and railways, interdepartmental or company use or furnished without charge by electric power systems, rural or other sales for irrigation, and generation in generating plants and used by enterprises of various kinds not included in the use classifications shown separately. The figures include energy for certain classes of residential and commercial uses, series S 121–122, as noted for those series, and may also include some manufacturing and extracting plants for which data were not included in these series, S 124–129, for reasons indicated in text for series S 120.

S 131. Electric energy losses and use unaccounted for, 1912-1970.

Source: 1912-1936, Edison Electric Institute, Edison Electric Institute Statistical Bulletin, New York, monthly and annual issues, and Electric Light and Power Industry in the United States, annual; McGraw-Hill Publishing Company, Inc., Electrical World, annual, New York (copyright); and U.S. Bureau of the Census, Census of Electrical Industries, 1912-1932, reports at 5-year intervals. 1937-1970, U.S. Federal Power Commission, unpublished data.

S 132–204 ENERGY

Relation to total energy used varies from year to year with changes in the proportion of energy metered on the low or on the high side of transformers at the point of delivery or at the generating plant, as well as for changes in technological efficiency in the transmission and distribution of electric energy and its relation to the quantities handled.

S 132. Electric energy, net imports, 1912-1970.

Source: U.S. Federal Power Commission, unpublished data.

Data for 1940-1970 are based on annual surveys for staff use. For prior years, data are based on FPC S-15, Movement of Electric Energy Across State Lines and International Boundaries, 1940, and on historical records and files to include exports and imports for industrial as well as utility purposes. Monthly and annual Electric Power Statistics published by the Dominion Bureau of Statistics, Ottawa, Canada, were also considered. Coverage in reports for the earlier years varied as did the treatment of energy delivered or received on long-term exchange agreements.

Beginning 1955, data classified in ultimate use; "net imports" as a category is not included in total.

S 133-146. Electric utilities—selected balance sheet and income account items of privately owned companies, 1937-1970.

Source: U.S. Federal Power Commission, Statistics of Privately Owned Electric Utilities in the United States, 1971, tables 10 and 13.

S 147-159. Rural Electrification Administration—electric program, summary of operations, 1935-1970.

Source: U.S. Rural Electrification Administration, Annual Statistical Report—Rural Electrification Borrowers, various issues.

The Rural Electrification Administration was established in May 1935, to initiate, formulate, administer, and supervise a program of approved projects with respect to the generation, transmission, and distribution of electric energy in rural areas. Later, the Rural Electrification Administration (REA) was authorized to make loans for a maximum of 35 years with interest at 2 percent per annum for the construction or improvement of rural electric systems.

The following definitions are used by REA:

Borrowers. Organizations, mainly cooperatives, to which loans for extending central station electric service in rural areas are made. Systems. Rural electric distribution, generation, and transmission systems in operation by REA borrowers.

Miles energized. Pole miles of electric distribution and transmission lines in service.

Consumers served. The number of individual customers receiving service by borrowers as of the end of the calendar year.

Energy generated. The kilowatt-hours of energy produced during the calendar year by electric generating plants owned by the borrowers of REA loan funds.

Energy purchased. The kilowatt-hours of energy purchased during the calendar year by REA borrowers from all suppliers.

Revenue. Gross revenue received by REA borrowers mainly from the sale of electric energy.

S 160-175. Developed and undeveloped water power, by geographic division, 1920-1970.

Source: U.S. Federal Power Commission, *Electric Power Statistics*, annual summaries and related monthly reports.

The data for developed water power are based on monthly reports submitted to the Federal Power Commission by the electric utilities. FPC practice is to record generating unit capacity as that given by the manufacturer on the nameplate which is placed on each generator. Included are plants of the privately owned electric utilities, municipal utilities, Federal projects, public utility power districts and State

power projects. For 1946-1970, the data also include hydroelectric plants of industrial establishments based on their monthly reports to the FPC.

The data for undeveloped water power resources are based on river basin studies of the years shown. The discovery of new sites, changing criteria, and re-evaluation of needs, as well as the development of sites and a host of other reasons may cause the listed amounts of undeveloped water resources to increase or decrease from year to year. Therefore, the yearly changes in the figures for undeveloped resources cannot be directly related to the amounts of developed water power resources.

S 176-189. Natural gas-consumption and value, 1922-1970.

Source: U.S. Bureau of Mines, Minerals Yearbook, annual volumes.

Data on natural-gas consumption and value are collected by annual surveys of oil and gas producers, natural gas processing plants, gas pipeline companies, and gas utility companies with separate reports obtained for each State in which they operate.

Volumes are reported at the pressure base selected by the reporting company; however, prior to 1967, if the reported pressure base deviated more than 5 percent from 14.65 pounds per square in absolute (p.s.i.a.) at 60° F, it was corrected to this base. Beginning 1967, gas volumes are reported or converted to a pressure base of 14.73 (p.s.i.a.).

S 190-204. Gas utility industry—customers, sales, and revenues, by type of service, 1932-1970.

Source: American Gas Association, Arlington, Va., 1932-1959, Historical Statistics of the Gas Industry, 1965, pp. 163, 213, and 263; 1960-1970, Gas Facts, 1971, pp. 58, 78, and 98. (Copyright.)

American Gas Association (A.G.A.) statistics are based on data provided by individual gas companies to A.G.A.'s department of statistics on the Uniform Statistical Report, a detailed questionnaire distributed annually to the industry. This questionnaire, periodically reviewed by the financial community to insure the inclusion of all items important to security analysis and insurance companies, is also utilized by many gas companies in reporting their operations to the financial community.

Data relating to customers, sales, and revenues are based upon responses submitted to A.G.A. on this questionnaire by gas companies representing 96 percent of the industry. For the small remaining portion of the industry, data have been obtained from reports filed with regulatory commissions, supplemented by investigation of financial publications and other secondary sources.

Revised monthly sales and quarterly customers, sales, and revenues, as well as interim income statements, are based on information previously published in the Monthly Bulletin of Utility Gas Sales, and the Quarterly Report of Gas Industry Operations.

The three rate classifications are:

1. Residential service.

a. Without space heating.

Service to customers supplied for residential purposes (cooking, water heating, kitchen heating, where another fuel is principal heat for premises, etc.) by individual meter in a single family dwelling or building, or in an individual flat or apartment, or to not over four households served by a single meter (one customer) in a multiple family dwelling, or portion thereof. Service for residential purposes supplied to five or more households served as a single customer (one meter) under one rate classification contract is considered as commercial and is counted as only one customer.

Residential premises also used regularly for professional or business purposes (such as a doctor's office in a home, or where a small store is integral with the living space) are considered as residential where the residential

use is half or more of the total gas volume; otherwise, these are commercial.

Dormitories, hotels, religious and eleemosynary institutions (such as orphan homes), boarding and rooming houses, motor courts, camps, etc., are considered as commercial customers for statistical purposes even though they are supplied by the company on a residential rate contract.

b. With space heating.

Service to customers using gas to supply the principal space heating requirements of a dwelling; other residential uses are included if supplied under the same rate classification.

c. Air conditioning service.

Service to customers using gas to supply the principal air cooling requirements of a dwelling; other residential uses (cooking, water heating, etc.) are included if supplied under the same rate classification.

2. Commercial service.

Service to customers primarily engaged in wholesale or retail trade, agriculture, forestry, fisheries, transportation, communication, sanitary services, finance, insurance, real estate, personal services (clubs, hotels, rooming houses, five or more households served as a single customer, auto repair, etc.), government, and to service that does not directly come in one of the other classifications. The size of the customer or volume of use is not a criterion for determining commercial service. The nature of the customer's primary business or economic activity at the location served determines the customer classification. If a particular load to a manufacturing or processing plant represents the cafeteria of the plant, or a heating load, with or without any processing load, whether or not separately metered, the account is classified as industrial service. Gas supplied to commercial customers for air conditioning or space heating is included under commercial service, whether or not supplied under a separate rate contract.

3. Industrial service.

Service to customers engaged primarily in a process which creates or changes raw or unfinished materials into another form or product. This includes establishments in mining and manufacturing. The size of the customer or volume of use is not a criterion for determining industrial service. The nature of the company's primary business or economic activity at the location served determines the classification used. If a manufacturing corporation has only a sales office, no plant, at a particular location, the classification commercial service is used on the basis of primary activity. If, however, the sales office is part of a manufacturing plant, the classification is industrial service. Gas supplied to these customers for air conditioning or for space heating is included under industrial service, whether or not supplied under a separate rate contract.

Other services comprise service to municipalities or divisions (agencies) of State or Federal Governments under special contracts or agreements or service classifications, which are applicable only to public authorities using gas for general or institutional purposes. They exclude sales properly included under commercial or industrial service such as manufacturing arsenals or publicly owned power systems.

S 205-218. Gas utility and pipeline industry—balance sheet and income account, 1937-1970.

Source: American Gas Association, Arlington, Va., 1937-1959, Historical Statistics of the Gas Industry, 1965, pp. 391 and 397; 1960-1970, Gas Facts, various issues. (Copyright.)

See text for series S 190-204.

 S 1-24 **ENERGY**

Series S 1-14. Total Horsepower of All Prime Movers: 1849 to 1970 [In thousands]

·								Nonaut	omotive					
	Total	Automo-							Inani	mate				
Year			Total	Work animals	Total	Fac- tories ²	Mines	Rail- roads ³	Merchant ships, powered	Sailing vessels	Farms 4	Wind- mills	Electric generating plants	Air- craft ^{8 5}
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1970 1969 1968 1967	19,115,000 17,912,144 17,050,693 15,959,175	18,075,000 16,937,725 16,152,371 15,101,836	1,040,250 974,419 898,322 857,339	1,500 1,250 1,460 1,620 1,800	1,081,500 1,039,000 972,959 896,702 855,539	54,000 53,000 52,000 51,000 49,700	45,000 44,000 43,400 42,500 41,200	54,000 53,000 57,607 49,067 47,098	19,000 20,413 21,493	1 1 1 1 1	\$ 288,500 \$ 302,000 290,600 273,606 274,227	(6) (6) 24 24 27	435,000 404,000 371,756 342,918 323,800	165,000 137,158
1965 1964 1963 1962 1962 1961	15,096,332 14,272,244 13,413,072 12,586,417 11,611,311 11,007,889	14,306,300 13,512,653 12,713,712 11,930,000 10,972,210 10,366,880	790,032 759,591 699,360 656,417 639,101 641,009	2,000 2,250 2,500 2,600 2,700 2,790	788,032 757,341 696,860 653,817 636,401 638,219	48,400 47,000 45,770 44,600 43,250 42,000	40,300 39,827 37,000 236,300 235,400 34,700	43,838 46,548 46,390 46,694 47,453 46,856	23,715 23,890 22,867 23,046	2 2 2 2 2 2	269,822 258,451 217,928 204,740 205,463 237,020	30 33 37 39 41 44	287,111 273,085 249,059 235,746	54,600 55,154 52,758 49,516 46,000 36,534
955 952 950 940 1939	7,158,229 5,736,886	6,632,121 5,361,386	526,108 375,500	4,141 5,980 7,040 12,510	521,967 369,520 343,381 249,494	35,579 35,045 32,921 21,768 21,239	730,768 9,523 8,500 7,332 7,149	60,304 101,690 110,969 92,361 90,500	23,207 823,423 89,408	8 5 9 8 11 8 26	73,590 57,533	59 130	137,576 103,453 87,965 53,542 52,115	* 25,779 22,941 * 22,000 * 7,458 6,000
1930 1929 1920 1919 1910	453,450	1,426,568 1,424,980 280,900 230,432 24,686 7,714	237,376 172,550 114,124	17,660 22,430 21,460	219,716 150,120 92,664	19,519 19,328 19,422 19,432 16,697 16,393	5,620 5,450 5,146 5,112 4,473 4,401	109,743 111,881 80,182 76,660 51,308 48,491	9,017 6,508 6,229 3,098	100 169 220	27,261 21,443 20,796	200	40,014 17,050 15,250 6,228	
1900 1899 1890	63,952	100 32	63,852 44,086	18,730 	45,122 28,116	10,309 9,633 6,308	2,919 2,754 1,445	24,501 21,835 16.980	1,542	251 280	4,009 3,420 1,452	120 80	1,350 1,200	
1889 1880 1879	26,314		26,314	11,580	14,734	5,939 3,664 3,411	1,300 715 650	16,440 8,592 7,720	1,078 741	314	1,452 1,233 668 605	40	120	
1870	16 931		16 931	8,660	8,271	2,453 2,346	380 350	4,462 4,100	632 624	314		30		
1869 1860 1859	13,763		13,765 8,495		5,133 2,535	1,675 1,600 1.150	170 150 60	2,156 1,940 586 435	515 503	1		20		

Includes private planes and commercial airliners.
Windmills included in series S 11.
Beginning 1955, not strictly comparable with earlier years.
Includes Alaska and Hawaii.

Series S 15-24. Consumption of Raw Materials in Constant 1967 Dollars, by Broad Use Classes: 1900 to 1969 [In millions of dollars]

				Energy r	naterials			Physical-struc	ture materials	
Year	Raw materials, total	Food	Total	Coal	Oil and gas	Fuel wood	Total	Agricultural and fishery nonfoods and wildlife products	Forest products	Minerals
	15	16	17	18	19	20	21	22	23	24
1969	68,590	32,275	19,170	2,467	16,527	176	17,145	4,031	3,401	9,713
1968	67,095	31,735	18,202	2,430	15,590	182	17,158	4,193	3,400	9,565
1967	64,417	30,844	17,123	2,341	14,594	188	16,450	4,093	3,217	9,140
1966	63,547	29,938	16,513	2,370	13,935	208	17,096	4,357	3,386	9,353
1965	61,468	29,322	15,737	2,253	13,257	227	16,404	4,221	3,362	8,821
1964	59,880	29,183	15,158	2,154	12,757	247	15,539	4,068	3,254	8,217
1963	57,890	28,534	14,704	2,046	12,392	266	14,652	3,952	3,082	7,618
1962	56,514	27,702	14,212	1,923	12,003	286	14,600	4,132	2,949	7,519
1961	54,487	27,279	13,648	1,862	11,477	809	13,560	8,842	2,805	6,913
1960	53,644	26,636	13,532	1,925	11,280	327	13,476	3,814	2,881	6,831
1959	53,737	26,411	13,295	1,904	11,034	357	14,031	8,983	3,004	7,044
1958	51,192	25,579	12,820	1,857	10,605	358	12,793	3,644	2,724	6,425
1957	51,523	25,710	12,724	2,094	10,259	371	13,089	8,750	2,727	6,612
1956	52,232	25,891	12,701	2,161	10,136	404	13,640	4,017	3,064	6,559
1955	50,594	25,076	12,269	2,130	9,721	418	13,249	8,925	2,952	6,372
1954	47,630	24,182	11,319	1,955	8,940	424	12,129	8,673	2,804	5,652
1953	48,067	23,922	11,400	2,182	8,779	439	12,745	3,948	2,822	5,975
1952	46,718	23,340	11,101	2,242	8,397	462	12,277	8,952	2,807	5,518
1951	46,334	22,881	11,059	2,506	8,065	488	12,394	4,184	2,820	5,390
1950	45,532	22,672	10,384	2,479	7,409	496	12,476	4,367	2,811	5,298
1949	41,908	22,045	9,482	2,355	6,564	568	10,376	3,635	2,378	4,863
1948	43,181	21,885	9,950	2,904	6,494	552	11,346	4,150	2,705	4,491
1947	42,996	22,583	9,627	2,993	6,088	551	10,786	4,078	2,536	4,172
1946	41,976	22,586	8,740	2,717	5,477	546	10,650	4,389	2,428	3,833

^{*} Denotes first year for which figures include Alaska and Hawaii.
¹ Includes passenger cars, trucks, buses, and motorcycles.
² Excludes electric motors.
³ Beginning 1965, not strictly comparable with earlier years.
⁴ Excludes horses and other work animals, which are included in series S 4.

CONSUMPTION OF RESOURCES

Series S 15–24. Consumption of Raw Materials in Constant 1967 Dollars, by Broad Use Classes: 1900 to 1969—Con.

[In millions of dollars]

				Energy m	naterials	;		Physical-struct	ure materials	
Year	Raw materials, total	Food	Total	Coal	Oil and gas	Fuel wood	Total	Agricultural and fishery nonfoods and wildlife products	Forest products	Minerals
į	15	16	17	18	19	20	21	22	23	24
1945	41,931	22,710	9,085	3,046	5,463	576	10,136	4,063	2,086	3,987
1944	42,271	22,784	8,998	3,252	5,165	581	10,489	4,143	2,289	4,057
1943	40,448	21,140	8,507	3,249	4,693	565	10,801	4,207	2,322	4,272
1942	39,351	20,261	7,954	2,974	4,394	586	11,136	4,197	2,528	4,411
1941	38,615	19,557	7,864	2,679	4,482	703	11,194	4,356	2,498	4,340
1940	34,901	18,985	7,261	2,453	4,074	734	8,655	3,580	2,140	2,935
	38,063	18,514	6,729	2,184	3,774	771	7,820	3,353	1,982	2,485
	30,098	17,541	6,198	1,978	3,438	782	6,359	2,838	1,756	1,765
	32,171	17,439	6,751	2,407	3,589	755	7,981	3,359	2,012	2,610
	31,675	17,543	6,542	2,412	3,350	780	7,590	3,372	1,876	2,342
1935	28,810	16,766	5,941	2,109	3,029	803	6,103	2,909	1,576	1,618
	28,753	17,606	5,726	2,069	2,815	842	5,421	2,781	1,342	1,298
	27,753	17,003	5,428	1,912	2,651	865	5,322	2,783	1,262	1,277
	26,258	16,644	5,225	1,850	2,526	849	4,389	2,358	1,060	971
	28,529	16,927	5,732	2,208	2,749	775	5,870	2,675	1,408	1,787
1930	29,890	16,830	6,071	2,670	2,690	711	6,989	2,744	1,928	2,817
	31,979	16,834	6,508	3,005	2,857	646	8,637	3,197	2,411	3,029
	30,545	16,430	6,157	2,927	2,588	647	7,958	2,952	2,279	2,727
	30,304	16,307	5,980	2,943	2,392	645	8,017	3,034	2,342	2,641
	30,518	16,390	6,092	3,128	2,333	631	8,036	2,843	2,459	2,734
1925		16,007 15,953 15,954 15,217 13,475	5,732 5,656 5,804 4,822 4,723	2,853 2,924 3,125 2,463 2,497	2,219 2,051 1,993 1,631 1,486	660 681 686 728 790	7,913 7,231 7,432 6,273 4,634	2,811 2,495 2,394 2,042 1,400	2,487 2,412 2,538 2,253 1,914	2,615 2,324 2,500 1,978 1,320
1920	26,706	14,406	5,285	3,071	1,435	779	7,015	2,628	2,274	2,113
	25,376	14,130	4,834	2,909	1,144	781	6,412	2,267	2,207	1,938
	25,984	13,913	5,019	3,230	982	807	7,052	2,779	2,110	2,163
	25,868	13,809	5,036	3,228	1,025	783	7,023	2,564	2,306	2,153
	24,427	12,879	4,642	3,006	851	785	6,906	2,112	2,485	2,309
1915	23,605	13,388	4,232	2,699	753	780	5,985	1,834	2,312	1,839
1914	24,643	13,819	4,047	2,593	662	792	6,777	2,767	2,438	1,572
1913	24,028	13,298	4,276	2,843	659	774	6,454	2,033	2,548	1,873
1913	24,027	13,757	4,085	2,685	624	776	6,185	1,769	2,608	1,808
1912	23,397	13,229	3,890	2,529	547	814	6,278	2,090	2,503	1,685
1910	23,075	12,952	3,867	2,558	507	802	6,256	1,850	2,601	1,805
1909	22,395	12,899	3,357	2,170	398	789	6,139	1,798	2,604	1,737
1908	21,498	12,593	3,350	2,163	384	803	5,555	1,737	2,462	1,356
1907	21,676	12,166	3,619	2,467	358	794	5,891	1,634	2,652	1,605
1906	21,797	12,426	3,258	2,125	331	802	6,113	1,892	2,573	1,648
1905	20,748	12,005	3,223	2,052	350	821	5,520	1,629	2,415	1,476
1904	20,351	12,140	2,972	1,850	281	841	5,239	1,677	2,353	1,209
1903	19,385	11,476	3,013	1,894	261	858	4,896	1,311	2,274	1,311
1902	18,679	11,056	2,628	1,532	221	875	4,995	1,407	2,210	1,378
1901	17,594	10,504	2,608	1,564	151	893	4,482	1,198	2,107	1,177
1900	17,358	10,448	2,447	1,418	120	909	4,463	1,317	2,030	1,116

Series S 25-31. Consumption of Fuel Resources, by Major Consumer Group: 1947 to 1970 [In trillions of British thermal units]

Year	Total	House- hold and com- mercial	Industrial	Transpor- tation 1	Electrical genera- tion, utilities 2	Miscella- neous	Utility electricity pur- chased ³	Year	Total	House- hold and com- mercial	Industrial	Transportation 1	Electrical genera- tion, utilities ²	Miscella- neous	Utility electricity pur- chased ³
	25	26	27	28	29	30	31		25	26	27	28	29	30	31
1970	67,444 64,979 61,763 58,265 56,412 53,343 51,240 49,308 47,422 45,319 44,569 43,140	13,988 13,606 13,109 13,014 12,388 11,830 11,143 11,016 10,948 10,373 10,174 9,711	20,339 20,107 19,363 18,230 18,028 17,176 16,698 15,249 14,631 14,642 14,040	16,472 15,784 15,156 14,015 13,345 12,714 12,261 11,962 11,415 10,986 10,818 10,387	16,430 15,254 13,892 12,728 12,054 11,075 10,375 9,683 9,093 8,537 8,263 7,873	215 228 243 278 597 548 763 739 717 792 672 1,129	5,226 4,924 4,529 4,142 3,905 3,600 3,356 3,128 2,910 2,710 2,586 2,435	1958 1957 1956 1955 1954 1953 1952 1951 1950 1949 1948 1947	41,696 41,706 41,700 39,703 36,263 37,586 36,458 36,775 33,992 31,488 33,880 33,035	9,467 8,685 8,963 8,595 7,968 7,757 7,979 7,857 7,593 6,884 7,039 6,775	13,507 14,503 14,588 13,991 12,515 13,752 13,098 13,698 12,325 11,369 12,322 12,795	10,275 10,229 10,132 9,826 9,113 9,205 9,168 9,206 8,616 8,075 8,781 8,791	7,317 7,330 7,082 6,595 5,940 5,891 5,518 5,281 4,616 4,724 4,264	1,130 959 935 696 727 981 696 733 477 544 1,014	2,213 2,167 2,065 1,881 1,617 1,518 1,370 1,294 1,129 998 969 879

 $^{^{\}rm l}$ Includes bunkers and military transportation. $^{\rm 2}$ Represents fossil fuels burned in steam-electric plants with hydropower and nuclear

power converted to national average heat rates for fossil-fueled steam-electric plants as reported by Federal Power Commission.

Belectricity generated and imported.

S 32–43 ENERGY

Series S 32–43. Net Production of Electric Energy, by Electric Utility and Industrial Generating Plants, by Type of Plant: 1902 to 1970

[In millions of kilowatt-hours]

	,	Fotal utility	and industrial			Electric	utilities			Industrial est	ablishments	
Year	Total	Hydro	Steam	Internal combustion	Total	Hydro	Steam	Internal combustion	Total	Hydro	Steam	Internal combustion
	32	33	34	35	36	37	38	39	40	41	42	43
1970 1969 1968 1967		250,699 253,468 225,874 224,948 197,938	1,875,252 1,285,448 1,196,587 1,079,508 1,038,645	13,820 13,841 13,568 12,844 12,861	1,581,609 1,442,182 1,329,448 1,214,865 1,144,350	247,456 250,192 222,491 221,518 194,756	1,278,091 1,186,410 1,101,767 987,991 944,480	6,062 5,580 5,185 4,856 5,164	108,162 110,575 106,586 102,935 105,094	3,243 3,276 3,383 3,430 8,182	97,161 99,038 94,820 91,517 94,215	7,758 8,261 8,388 7,988 7,697
1965		196,984	947,890	12,709	1,055,252	193,851	856,312	5,089	102,331	3,133	91,578	7,620
1964		180,301	890,887	12,553	988,990	177,073	801,907	5,010	99,751	8,228	88,980	7,548
1963		168,990	880,285	12,142	916,793	165,755	745,992	5,046	94,624	8,235	84,293	7,096
1962		172,086	763,813	11,127	854,796	168,579	681,340	4,878	91,730	3,507	81,973	6,249
1961		155,630	716,161	9,705	794,273	152,158	637,436	4,680	87,223	3,472	78,725	5,026
1960		149,515	683,941	10,788	755,374	145,796	605,031	4,547	88,814	3,719	78,910	6,186
1959*		141,500	645,164	10,908	711,822	138,028	569,355	4,438	85,745	3,471	75,808	6,465
1958		143,614	571,037	10,101	645,098	140,262	500,764	4,072	79,654	8,352	70,278	6,029
1957		133,358	571,405	11,593	631,507	130,232	497,212	4,062	84,849	3,125	74,193	7,531
1956		125,237	548,306	11,261	600,668	122,029	474,552	4,087	84,136	3,208	78,754	7,174
1955	629,010	116,286	502,388	10,386	547,038	112,975	430,119	8,944	81,972	8,261	72,269	6,442
1954	544,645	111,640	428,151	9,854	471,686	107,069	360,834	8,783	72,959	4,571	62,317	6,071
1958	514,169	109,617	894,726	9,826	442,664	105,233	333,541	8,890	71,505	4,384	61,185	5,986
1952	463,055	109,708	844,695	8,652	399,224	105,102	290,385	3,787	63,831	4,606	54,310	4,915
1951	433,358	104,376	321,705	7,277	370,673	99,750	267,252	8,671	62,685	4,626	54,453	3,606
1950	388,674	100,884	281,000	6,790	329,141	95,938	229,543	3,660	59,533	4,946	51,457	3,130
1949	345,066	94,773	244,429	5,864	291,099	89,748	197,878	3,478	53,967	5,025	46,551	2,391
1948	336,808	86,992	243,730	6,086	282,698	82,470	196,928	8,300	54,110	4,522	46,802	2,786
1947	307,400	83,066	218,985	5,849	255,789	78,426	174,500	2,818	51,661	4,640	44,485	2,586
1946	269,609	83,150	181,825	4,684	223,178	78,406	142,412	2,360	46,431	4,744	39,418	2,274
1945	271,255	84,747	181,708	4,800	222,486	79,970	140,435	2,081	48,769	4,777	41,273	2,719
1944	279,525	78,905	195,664	4,956	228,189	73,945	152,328	1,916	51,336	4,960	43,336	3,040
1948	267,540	79,077	183,952	4,511	217,759	73,632	142,381	1,746	49,781	5,445	41,571	2,765
1942	233,146	69,133	159,725	4,288	185,979	63,871	120,479	1,629	47,167	5,262	39,246	2,659
1941	208,306	55,357	149,157	8,792	164,788	50,863	112,319	1,606	48,518	4,494	36,838	2,186
1940		51,659	124,941	3,307	141,837	47,321	93,002	1,514	38,070	4,338	81,939	1,798
1939		47,691	110,635	2,982	127,642	43,564	82,783	1,295	33,666	4,127	27,852	1,687
1938		48,394	93,5	661	113,812	44,279	68,423	1,110	28,143	4,115	24,	028
1937		48,272	98,2	204	118,913	44,013	78,891	1,009	27,563	4,259	23,	304
1936		42,750	93,2	256	109,316	89,058	69,359	899	26,690	3,692	22,	998
1935	118,935	42,253	76,6	I82	95,287	38,372	56,144	771	23,648	3,881	19,	767
1934	110,404	35,922	74,4		87,258	32,684	53,939	635	23,146	3,238	19,	908
1933	102,655	36,730	65,9		81,740	33,457	47,709	574	20,915	8,273	17,	642
1932	99,359	35,998	63,8		79,393	32,878	45,922	593	19,966	3,120	16,	846
1931	109,373	32,106	77,2		87,350	29,028	57,685	637	22,023	3,078	18,	945
1930		34,874	79,7	768	91,112	31,190	59,293	629	28,525	8,684	19,	841
1929		87,038	79,7	709	92,180	32,648	58,965	567	24,567	4,390	20,	177
1928		87,297	70,7	772	82,794	32,874	49,370	550	25,275	4,428	20,	852
1927		82,924	68,4	166	75,418	28,474	46,615	329	25,972	4,450	21,	522
1926		30,355	63,8	367	69,353	25,608	43,422	328	24,869	4,752	20,	117
1925 1924 1923 1922 1921	84,666 75,892 71,399 61,204 53,125	26,112 24,138 23,421 21,262 18,732	58,5 51,7 47,9 39,9 34,8	754	61,451 54,662 51,229 43,632 37,180	21,798 19,489 18,940 16,875 14,703	39,367 34,955 82,093 26,579 22,311	286 218 196 178 166	23,215 21,280 20,170 17,572 15,945	4,314 4,649 4,481 4,387 4,029	16, 15	901 581 689 185 916
1920 1917 1912 1907 1902	56,559 43,429 24,752 14,121 5,969	20,311 13,948 7,387 4,003 2,166	36,2 29,4 17,8 10,1	365 L18	39,405 25,438 11,569 5,862 2,507	15,760 10,100 4,500		156 338 069	17,154 17,991 13,183 8,259 3,462	4,551 3,848 2,887	10,	603 143 296

ELECTRIC ENERGY

Series S 44-52. Net Production of Electric Energy, by Class of Ownership: 1902 to 1970
[In millions of kilowatt-hours]

				E	lectric utilities				
Year	Total utility and industrial	Total	Privately	Cooperatively _		Publicly	owned		Industrial establishments
10-1			owned	owned 1	Total	Municipal	Federal	Other 1	
	44	45	46	47	48	49	50	51	52
970 969 968 967	1,689,771 1,552,757 1,436,029 1,317,301 1,249,444	1,531,609 1,442,182 1,329,443 1,214,365 1,144,350	1,183,190 1,102,162 1,019,312 928,489 880,837	23,459 17,518 14,141 12,389 11,175	324,960 322,507 295,990 273,538 252,338	71,394 69,614 63,804 57,789 52,627	185,753 183,245 170,834 162,399 153,067	67,813 69,648 61,352 53,350 46,644	108,162 110,575 106,586 102,935 105,094
965 964 963 962	1,157,583 1,083,741 1,011,417 946,526 881,495	1,055,252 983,990 916,793 854,796 794,273	809,474 756,188 701,253 653,076 606,737	8,571 7,934 6,949 6,180 5,294	237,207 219,873 208,591 195,540 182,242	49,940 50,263 46,293 41,840 38,872	145,231 129,936 124,340 115,926 112,375	42,036 39,674 37,958 37,773 30,995	102,331 99,751 94,624 91,730 87,228
960 559* 958 957	844,188 797,567 724,752 716,356 684,804	755,374 711,822 645,098 631,507 600,668	580,286 545,741 490,402 480,943 459,015	5,006 4,441 3,422 8,029 3,413	170,082 161,639 151,274 147,535 138,240	37,029 34,721 28,329 27,850 28,005	112,509 109,217 110,487 109,176 100,711	20,545 17,702 12,508 10,509 9,524	88,814 85,741 79,654 84,849 84,136
955 954 958 952 951	629,010 544,645 514,169 463,055 433,358	547,038 471,686 442,664 399,224 370,673	420,869 370,970 354,271 322,126 301,845	3,034 2,476 1,897 1,526 1,264	123,135 98,240 86,496 75,572 67,564	25,852 23,505 21,625 17,490 17,617	89,064 67,804 58,064 52,492 44,120	8,219 6,931 6,807 5,590 5,827	81,972 72,959 71,500 63,83 62,68
950 949 948 947	388,674 345,066 336,808 307,400 269,609	329,141 291,099 282,698 255,789 223,178	266,860 233,112 228,231 208,105 181,020	1,010 847 673 406 300	61,271 57,140 53,794 47,228 41,858	15,244 13,410 13,122 12,415 10,801	40,388 38,102 35,373 29,877 26,960	5,639 5,628 5,299 4,936 4,097	59,53; 53,96; 54,110 51,66; 46,43;
945 944 943 942	271,255 279,525 267,540 233,146 208,306	222,486 228,189 217,759 185,979 164,788	180,926 185,850 180,247 158,052 144,290	242 200 187 123 78	41,318 42,139 37,325 27,804 20,420	9,624 9,637 9,223 7,610 7,023	28,000 28,867 24,485 16,893 10,793	3,694 8,635 3,617 8,301 2,604	48,76; 51,33; 49,78; 47,16; 43,51;
940 339 388 387 336	179,907 161,308 141,955 146,476 136,006	141,837 127,642 113,812 118,913 109,316	125,411 115,078 104,090 110,464 102,293	37	16,389 12,564 9,722 8,449 7,023	6,188 5,688 5,237 5,270 4,705	8,584 5,476 3,029 1,843 1,072	1,617 1,400 1,456 1,336 1,246	38,070 33,660 28,14 27,563 26,690
935 334 933 932	118,935 110,404 102,655 99,359 109,373	95,287 87,258 81,740 79,393 87,350	89,330 82,079 76,668 74,488 82,597		5,957 5,179 5,072 4,905 4,753	4,228 8,834 3,583 3,517 3,435	555 357 458 445 497	1,174 988 1,031 943 821	23,641 23,14 20,91 19,960 22,02
930 929 928 927	114,637 116,747 108,069 101,390 94,222	91,112 92,180 82,794 75,418 69,353	86,109 87,514 78,207 70,920 65,480		5,003 4,666 4,587 4,498 3,878	3,604 3,497 8,245 3,051 2,832	465 800 356 668 518	934 869 986 779 523	23,526 24,567 25,276 25,972 24,869
925 924 923 922 921	84,666 75,892 71,399 61,204 53,125	61,451 54,662 51,229 43,632 37,180	58,685 52,315 49,044 41,660 35,456		2,766 2,347 2,185 1,972 1,724	2,302 1,940 1,852 1,637 1,422	103 58 63 55 52	361 349 270 280 250	23,21, 21,236 20,176 17,573 15,94
920	56,559 43,429 24,752 14,121 5,969	39,405 25,438 11,569 5,862 2,507	37,716 24,399 11,032 5,573 2,311		1,689 1,039 537 289	1,373 1,039 537 289 196	59		17,15- 17,99 13,18: 8,25: 8,46:

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ Prior to 1940, "cooperatively owned" included in "other publicly owned."

S 53-73 ENERGY

Series S 53-57. Number of Electric Utility Generating Plants, and Production Per Kilowatt of Installed Generating Capacity: 1902 to 1970

		Number	of plants		Production per kilowatt			Number	of plants		Production per kilowatt
Year	Total	Hydro	Steam	Internal combustion	of capacity (kwhr.)	Year	Total	Hydro	Steam	Internal combustion	of capacity (kwhr.)
	53	54	55	56	57		53	54	55	56	57
1970 1969 1968 1967	3,519 3,472 3,429 3,378 3,290	1,183 1,188 1,207 1,211 1,217	1,330 1,272 1,206 1,149 1,085	1,006 1,012 1,016 1,018 988	4,490 4,602 4,568 4,510 4,617	1940 1939 1938 1937 1936	3,918 3,938 3,903 3,918 3,896	1,474 1,487 1,479 1,473 1,471	1,153 1,195 1,252 1,283 1,337	1,291 1,256 1,172 1,162 1,088	3,601 3,346 3,110 3,364 3,145
1965 1964 1963 1962 1961	8,290 8,377 8,402 3,435 8,476	1,231 1,274 1,284 1,301 1,333	1,068 1,072 1,074 1,068 1,062	991 1,031 1,044 1,066 1,081	4,469 4,427 4,854 4,583 4,540	1985 1934 1933 1932 1931	4,023 3,999 4,012 4,027 4,037	1,476 1,471 1,482 1,460 1,461	1,424 1,454 1,514 1,553 1,577	1,123 1,074 1,016 1,014 999	2,777 2,540 2,374 2,337 2,646
1960 1959* 1958 1957 1956	3,497 3,518 3,481 3,517 3,534	1,348 1,366 1,359 1,360 1,365	1,072 1,061 1,051 1,043 1,037	1,082 1,091 1,071 1,114 1,132	4,635 (NA) 4,748 5,056 5,108	1930 1929 1928 1927 1926	4,043 3,838 3,830 3,707 3,742	1,446 1,389 1,370 1,299 1,287	1,626 1,693 1,717 1,869 1,964	971 756 743 539 491	2,926 3,197 8,127 3,111 3,094
1955 1954 1953 1953 1952 1951	3,587 3,627 3,686 3,698 3,806	1,381 1,387 1,406 1,412 1,428	1,045 1,045 1,041 1,030 1,048	1,161 1,195 1,239 1,256 1,330	5,037 4,862 5,098 5,051 5,124	1925 1924 1923 1922 1922	3,738 3,783 3,768 3,722 3,726	1,250 1,221 1,191 1,142 1,120	2,004 2,169 2,224 2,276 2,824	484 393 353 304 282	3,138 3,276 3,434 3,145 2,839
1950 1949 1948 1947 1946	3,867 3,888 3,879 8,865 8,854	1,458 1,465 1,467 1,479 1,488	1,051 1,054 1,045 1,045 1,046	1,358 1,369 1,367 1,341 1,820	4,984 4,862 5,191 4,984 4,441	1920 1917 1912 1907 1902	3,831 4,364 3,520 3,200 2,250		2,422		3,101 2,828 2,240 2,164 2,068
1945 1944 1943 1942 1941	3,886 3,933 3,959 3,899 3,882	1,505 1,510 1,507 1,489 1,473	1,057 1,082 1,101 1,100 1,116	1,324 1,341 1,351 1,310 1,293	4,487 4,699 4,687 4,257 4,003						

^{*} Denotes first year for which figures include Alaska and Hawaii.

NA Not available.

Series S 58-73. Privately Owned Electric Utility Generating Plants, by Type of Plant and Plant Size: 1920 to 1970
[Plant size interval in kilowatts]

	Total			Steam	plants			Nuclear		н	ydro plan	its		Inter	nal combu	stion
Year	plants	Total	Under 100,000	100,001- 200,000	200,001- 500,000	500,001- 1,000,000	Over 1,000,000	plants	Total	Under 5,000	5,001- 25,000	25,001- 100,000	Over 100,000	Total 1	Under 5,000	Over 5,000
	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73
				·				NUMBER O	F PLANTS			·				
970 969 968 967 966	1,923 1,893 1,843 1,794 1,726	661 656 657 657 651	219 224 231 239 243	109 116 114 114 117	178 176 185 192 196	108 97 91 86 76	47 43 36 26 19	13 10 8 8 8	702 719 734 739 749	336 354 369 373 386	203 202 202 204 207	117 117 118 117 115	46 46 45 45 41	547 508 444 390 318	223 229 229 231 226	8 8 6 5 4
965 964 963 962 961	1,724 1,755 1,798 1,818 1,858	658 664 674 686 696	255 280 299 317 339	115 117 117 121 122	194 184 186 181 176	72 69 60 57 50	17 14 12 10 9	7 7 7 7 5	754 786 812 821 839	393 432 462 476 498	205 204 204 206 205	116 113 111 107 105	40 37 35 32 31	310 298 305 304 318	234 237 251 262 282	3 6 5 4: 8
960 959* 958 967 956	1,896 1,905 1,911 1,929 1,934	707 694 689 690 684	362 371 388 421 427	121 116 118 125 122	177 168 152 119 117	42 35 27 28 17	5 4 4 2 1	4 3 3 3	866 888 897 900 903	523 543 553 569 578	209 211 212 211 210	105 107 106 101 97	29 27 26 19 18	319 320 322 336 847	291 295 299 314 325	2 2 2 2 2 2
955 954 958 952 951	1,965 2,003 2,038 2,038 2,088	691 703 695 684 688	451 483 499 513 526	116 112 108 94 94	108 97 80 70 62	16 11 8 7 6			924 934 959 964 973	602 618 646 660 679	207 204 202 195 190	96 94 93 93 89	19 18 18 16 15	350 366 384 390 427	328 342 363 371 410	2 2 2 1 1
950	2,116 2,133 2,123 2,060 2,045 2,039	684 685 670 653 650 655	543 559 564 553 556 561		141 126 106 100 94 94	l			990 993 991 984 986 988	702 710 709 707 709 715	186 187 187 183 184 181	87 83 83 83 82 82	15 13 12 11 11 11	442 455 462 423 409 396	428 443 452 419 405 392	1 1 1

See footnotes at end of table.

GENERATING PLANTS

Series S 58–73. Privately Owned Electric Utility Generating Plants, by Type of Plant and Plant Size: 1920 to 1970—Con.

[Plant size interval in kilowatts]

	Total			Steam	plants			Nuclear		В	ydro plan	nts		Inter	nal combu	stion
Year	plants	Total	Under 100,000	100,001- 200,000	200,001- 500,000	500,001- 1,000,000	Over 1,000,000	plants	Total	Under 5,000	5,001- 25,000	25,001- 100,000	Over 100,000	Total 1	Under 5,000	Over 5,000
	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73
				<u> </u>			CA	PACITY (1,	000 kilow	atts)						
1970		220,536 209,950 196,787 180,726 167,105	8,875 8,637 8,837 8,854 8,977	15,676 16,943 16,639 16,634 17,217	58,619 58,561 61,477 63,620 64,876	75,314 67,524 61,836 58,200 51,271	62,552 58,285 47,998 33,418 24,764	5,622 3,110 1,940 1,415 931	18,638 18,252 18,166 17,876 16,149	654 685 703 690 695	2,415 2,356 2,376 2,392 2,439	5,802 5,867 5,867 5,847 5,672	9,767 9,344 9,220 8,947 7,343	14,866 9,918 6,228 3,821 2,140	437 452 441 447 418	1,987 1,721 1,507 576 347
1965 1964 1963 1962 1961		159,141 150,379 142,309 135,959 127,719	9,273 10,059 10,601 10,684 11,011	16,900 17,260 17,332 17,826 18,025	63,509 60,556 60,556 57,955 56,405	48,412 45,742 39,432 37,481 31,730	21,047 16,762 14,388 12,063 10,548	856 836 836 803 473	15,840 15,043 14,400 13,869 18,165	701 747 767 767 792	2,418 2,410 2,426 2,443 2,484	5,749 5,573 5,492 5,298 5,232	6,972 6,313 5,715 4,866 4,707	1,641 1,168 1,031 861 801	424 432 429 427 439	308 736 602 434 362
1960 1959* 1958 1957 1956	133,839 123,991 112,687 97,439 90,826	119,820 110,375 99,554 85,581 79,462	11,588 11,909 12,026 12,825 12,625	17,702 17,154 17,187 18,738 18,199	57,695 54,520 46,701 37,094 36,299	27,158 22,175 17,023 14,534 11,259	5,677 4,617 4,617 2,390 1,080	321 112 112 112	13,010 12,854 12,398 11,127 10,738	812 826 831 858 854	2,498 2,512 2,494 2,518 2,497	5,259 5,373 5,272 5,087 4,811	4,441 4,143 3,801 2,714 2,576	688 650 623 619 626	447 436 425 435 442	241 214 198 184 184
1955	87,009 79,408 71,345 64,354 60,287	75,301 67,957 60,013 53,488 49,797	18,596 14,183 14,159 14,017 13,160	17,312 16,647 15,810 13,774 13,945	33,296 30,052 24,930 21,200 18,785	11,097 7,075 5,114 4,497 3,907			11,084 10,806 10,692 10,251 9,841	877 891 923 923 935	2,459 2,417 2,383 2,275 2,243	4,837 4,694 4,639 4,658 4,428	2,911 2,804 2,747 2,395 2,240	624 645 640 615 599	446 449 468 464 477	178 196 172 151 122
1950 1949 1948 1947 1947 1946	54,833 50,376 44,983 41,863 40,123 39,978	44,638 40,643 35,474 32,594 30,954 30,972	13,355 12,952 12,367 11,392 11,028 10,948		31,278 27,691 23,107 21,202 19,926 20,024	'			9,626 9,181 9,002 8,885 8,863 8,717	950 945 950 905 912 923	2,202 2,179 2,174 2,136 2,148 2,129	4,248 4,075 4,018 4,070 4,029 4,033	2,226 1,982 1,860 1,774 1,774 1,632	574 552 507 384 306 289	469 459 433 352 276 259	105 93 74 32 30 30
			Capacit	y (1,000 l	rilowatts)							Capaci	ty (1,000	kilowatts)		
Year		otal ints	Steam plants		Hydro plants		ternal bustion	Y	ear		otal ants	Stear plant		Hydro plants		ternal bustion
	5	i8	59		66		71				58	5	9	66		71
1944 1943 1942 1941	-	39,733 39,128 37,442 36,041	30 28 27	626 114 454 170	8,74 8,64 8,61 8,49	7 8 2	360 367 375 379	1929 1928 1927			30,285 27,958 25,990 23,418 21,819	18 17	,322 ,722 ,848 ,241	7,69 7,02 6,94 6,04 5,70	13 13 18	267 208 200 129 120
1940 1939 1938 1937 1936	-	34,399 33,908 33,246 31,958 31,787	24 24 23 23	,551 ,999 ,302 ,088 ,000	8,46 8,53 8,58 8,52 8,49	7 4 0 4	379 372 360 351 293	1923			20,045 16,740 14,787 13,419 12,797	11 10 9	,618 ,945 ,449 ,441	5,31 4,71 4,26 3,90 3,70	34)8	111 84 75 69 66
1935 1934 1933 1932 1931	-	31,820 31,547 32,163 32,033 31,498	22 23 23	,091 ,888 ,499 ,414 ,041	8,48 8,36 8,31 8,17	5 8 4	292 294 296 306 286			1	12,022	8	,443	3,51		68

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ Beginning 1965, includes gas turbine plants.

S 74–85 ENERGY

Series S 74–85. Installed Generating Capacity in Electric Utility and Industrial Generating Plants, by Type of Plant: 1902 to 1970

[In thousands of kilowatts. As of December 31]

		Total utility	and industrial			Electric	utilities		· <u></u> <u>-</u>	Industrial est	ablishments	
Year	Total	Hydro	Steam	Internal combustion	Total	Hydro	Steam	Internal combustion	Total	Hydro	Steam	Internal combustion
	74	75	76	77	78	79	80	81	82	83	84	85
1970	360,327	55,751	298,803	5,773	841,090	55,056	281,684	4,350	19,237	696	17.119	1,422
1969	332,606	53,447	273,584	5,625	818,349	52,758	256,391	4,205	19,257	694	17,143	1,420
1968	310,181	51,874	252,975	5,331	291,058	51,168	235,912	3,978	19,123	706	17,063	1,353
1967	288,185	48,832	234,195	5,158	269,252	48,112	217,322	3,818	18,933	720	16,873	1,340
1966	266,816	45,691	216,309	4,816	247,848	44,977	199,357	3,509	18,973	714	16,952	1,307
1965	254,519	44,490	205,423	4,606	236,126	43,782	188,979	3,365	18,393	708	16,444	1,241
1964	240,471	42,899	193,026	4,546	222,285	42,188	176,777	3,320	18,186	711	16,249	1,226
1963	228,757	40,928	183,348	4,480	210,549	40,214	167,090	3,245	18,208	714	16,259	1,235
1962	209,576	38,162	167,015	4,398	191,747	37,418	151,197	3,132	17,829	744	15,819	1,267
1961	199,216	36,301	158,588	4,326	181,812	35,557	142,746	3,009	17,904	745	15,841	1,318
1960	186,534	33,180	149,161	4,193	168,569	32,423	133,282	2,865	17,965	757	15,880	1,328
1959*	175,000	31,884	139,073	4,048	157,347	31,132	123,490	2,725	17,653	752	15,583	1,318
1958	160,651	30,089	126,625	3,986	142,597	29,359	110,633	2,604	18,054	780	15,992	1,332
1957	146,221	27,761	114,660	3,800	129,123	27,036	99,542	2,545	17,098	725	15,119	1,254
1956	137,342	26,386	107,251	8,705	120,697	25,654	92,591	2,452	16,645	732	14,660	1,253
1955	130,895	25,742	101,698	3,455	114,472	25,005	87,112	2,355	16,423	737	14,586	1,100
1954	118,878	24,238	91,250	3,390	102,592	23,211	77,102	2,279	16,286	1,027	14,148	1,111
1953	107,354	23,054	80,960	3,340	91,502	22,045	67,235	2,222	15,852	1,009	13,725	1,118
1952	97,312	21,416	72,620	3,276	82,227	20,419	59,679	2,129	15,085	997	12,941	1,147
1951	90,127	19,870	67,372	2,885	75,775	18,868	54,865	2,042	14,352	1,002	12,507	848
1950	82,850	18,674	61,495	2,681	68,919	17,675	49,333	1,911	13,931	999	12,162	770
1949	76,570	17,662	56,472	2,436	63,100	16,654	44,640	1,806	13,470	1,008	11,832	680
1948	69,615	16,635	50,751	2,229	56,560	15,652	89,304	1,604	13,055	983	11,447	625
1947	65,151	15,956	47,242	1,953	52,322	14,971	36,034	1,317	12,829	985	11,208	636
1946	63,066	15,828	45,442	1,796	50,317	14,848	34,318	1,156	12,749	980	11,129	640
1945	62,868	15,892	45,248	1,728	50,111	14,912	34,112	1,087	12,757	980	11,136	641
1944	62,066	15,696	44,637	1,733	49,189	14,586	33,541	1,062	12,877	1,110	11,096	671
1943	60,539	14,991	43,840	1,708	47,951	13,884	33,015	1,052	12,588	1,107	10,825	656
1942	57,237	13,947	41,593	1,697	45,053	12,842	31,169	1,042	12,184	1,105	10,424	655
1941	58,995	12,912	39,474	1,609	42,405	11,817	29,599	989	11,590	1,095	9,875	620
1940 1939 1938 1937 1936	50,962 49,438 46,873 44,370 43,582	12,304 12,075 11,682 11,186 11,037	37,138 35,932 35, 33, 32,	184	39,927 38,863 37,492 35,620 35,082	11,224 11,004 10,657 10,176 10,087	27,775 27,009 26,066 24,763 24,441	928 850 769 681 604	11,035 10,575 9,381 8,750 8,500	1,080 1,071 1,025 1,010 1,000	9,363 8,923 8,7 7,1	592 581 566 740 500
1935	42,828	10,399	32,	429	34,436	9,399	24,471	566	8,392	1,000	7,	392
1934	42,545	10,345	32,	200	34,119	9,345	24,258	521	8,426	1,000		126
1933	43,037	10,330	32,	707	34,587	9,334	24,759	494	8,450	996		154
1932	42,849	10,258	32,	591	34,387	9,258	24,646	483	8,462	1,000		162
1981	42,287	10,190	32,	097	33,698	9,090	24,162	446	8,589	1,100		189
1930	41,153 38,708 36,782 34,574 32,986	9,650 8,925 8,800 7,927 7,650	81, 29, 27, 26, 25,	503 783 982 647 286	32,384 29,839 27,805 25,079 23,386	8,585 7,813 7,702 6,802 6,405	23,385 21,704 19,790 18,078 16,792	414 322 313 199 189	8,769 8,869 8,977 9,495 9,550	1,065 1,112 1,098 1,125 1,245	7. 7. 8.	704 757 879 870 805
1925	30,087 25,923 23,235 21,317 20,605	7,150 6,224 5,682 5,229 5,002	22, 19, 17, 16, 15,	699 553	21,472 17,681 15,648 14,192 13,519	5,922 5,024 4,507 4,129 3,902	15,368 12,535 11,026 9,965 9,527	182 122 110 98 90	8,615 8,242 7,592 7,125 7,086	1,228 1,200 1,175 1,100 1,100	7, 6.	387 042 417 025 986
1920 1917 1912 1907	19,439 15,494 10,980 6,809 2,987	4,804 3,886 2,794 1,906 1,140	4,	635 608 186 903 847	12,714 8,994 5,165 2,709 1,212	3,704 2,786 1,694 906 290	8,920 6,128 3,395 1,765 914	90 80 76 38 8	6,725 6,500 5,815 4,100 1,775	1,100 1,100 1,100 1,000 850	4, 3,	625 400 715 100 925

^{*} Denotes first year for which figures include Alaska and Hawaii.

GENERATING CAPACITY

Series S 86-94. Installed Generating Capacity, by Class of Ownership: 1902 to 1970 [In thousands of kilowatts. As of December 31]

				El	ectric utilities				
Year	Total utility and industrial	Total	Privately	Cooperatively		Publicly	owned		Industrial estab- lishments
			owned	owned 1	Total	Municipal	Federal	Other 1	
	86	87	88	89	90	91	92	93	94
1970	360,327	341,090	262,675	5,161	73,253	20,941	38,718	13,594	19,237
1969	332,606	813,349	240,078	4,319	68,953	20,085	36,130	12,788	19,257
1968	310,181	291,058	220,766	3,434	66,858	19,429	34,956	12,473	19,123
1967	288,185	269,252	203,580	3,019	62,652	18,049	33,640	10,964	18,933
1966	266,816	247,843	185,670	2,758	59,415	16,548	32,608	10,258	18,973
1965	254,519	236,126	177,570	2,309	56,248	15,407	31,690	9,151	18,393
	240,471	222,285	167,704	2,017	52,564	15,199	28,342	9,022	18,186
	228,757	210,549	158,448	1,878	50,228	14,222	27,315	8,691	18,208
	209,576	191,747	145,111	1,591	45,046	12,991	24,345	7,710	17,829
	199,216	181,312	137,270	1,491	42,552	12,250	23,287	7,015	17,904
1960	186,534	168,569	128,912	1,423	38,233	11,539	22,380	4,314	17,965
1959*	175,000	157,347	119,403	1,168	36,775	10,958	21,906	3,917	17,653
1958	160,651	142,597	108,202	977	33,418	9,817	20,486	3,165	18,054
1958	146,221	129,123	97,376	924	30,823	8,640	19,649	2,534	17,098
1957	137,342	120,697	91,146	792	28,759	8,325	18,336	2,096	16,645
1955	130,895	114,472	86,887	776	26,809	7,795	16,962	2,052	16,423
1954	118,878	102,592	79,127	750	22,715	7,225	13,567	1,923	16,286
1958	107,354	91,502	71,201	619	19,682	6,570	11,358	1,754	15,852
1958	97,312	82,227	64,349	522	17,356	6,019	9,678	1,659	15,085
1952	90,127	75,775	60,192	482	15,101	5,293	8,099	1,709	14,352
1950	82,850	68,919	55,176	375	13,368	4,970	6,921	1,477	13,981
1949	76,570	63,100	50,484	283	12,333	4,727	6,210	1,396	13,470
1948	69,615	56,560	45,381	230	10,949	4,105	5,525	1,319	18,055
1948	65,151	52,322	41,986	168	10,168	8,825	5,027	1,316	12,829
1947	63,066	50,317	40,335	105	9,877	3,708	4,919	1,250	12,749
1945	62,868	50,111	40,307	87	9,717	3,586	5,081	1,050	12,757
	62,066	49,189	39,733	70	9,386	3,447	4,886	1,053	12,877
	60,589	47,951	39,128	66	8,757	3,419	4,322	1,016	12,588
	57,237	45,053	37,442	45	7,566	3,331	8,216	1,019	12,184
	53,995	42,405	36,041	30	6,334	3,158	2,371	805	11,590
1940	50,962 49,438 46,873 44,370 43,582	39,927 38,863 37,492 35,620 35,082	34,399 33,908 33,246 31,958 31,787	13	5,515 4,955 4,246 3,662 3,295	2,977 2,807 2,631 2,476 2,164	1,944 1,650 1,156 833 804	594 498 459 353 827	11,035 10,575 9,381 8,750 8,500
1935	42,828	34,436	31,820		2,616	2,002	300	314	8,392
1934	42,545	34,119	31,547		2,572	1,963	288	321	8,426
1983	43,037	34,587	32,163		2,424	1,879	232	313	8,450
1932	42,849	34,387	32,033		2,354	1,828	232	294	8,462
1932	42,287	83,698	31,498		2,200	1,696	231	273	8,589
1930	41,153	32,384	30,285		2,099	1,601	226	272	8,769
1929	38,708	29,889	27,952		1,887	1,424	214	249	8,869
1928	36,782	27,805	25,991		1,814	1,347	213	254	8,977
1928	34,574	25,079	28,418		1,661	1,210	209	242	9,495
1927	32,936	23,386	21,819		1,567	1,204	205	158	9,550
1925	30,087	21,472	20,045		1,427	1,125	198	104	8,615
1924	25,923	17,681	16,740		941	824	14	103	8,242
1928	23,235	15,643	14,787		856	752	14	90	7,592
1922	21,317	14,192	13,419		773	685	10	78	7,125
1922	20,605	13,519	12,797		722	684	10	78	7,086
1920 1917 1912 1907 1902	19,439 15,494 10,980 6,809 2,987	12,714 8,994 5,165 2,709 1,212	12,023 8,412 4,769 2,500 1,099		691 582 396 209 113	601 582 396 209 113	10		6,725 6,500 5,815 4,100 1,775

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ Prior to 1940, "cooperatively owned" included in "other publicly owned."

S 95-107 ENERGY

Series S 95-107. Consumption of Fuels by Electric Utilities: 1920 to 1970

		Net g	eneration, b	y fuel				F	uel consume	ì			
Year	Total ¹	Coal	Fuel	Gas	Nuclear	Total coal	Coal	Oil	Gas	Per	kilowatt-ho	ur	Overall heat rate
			oil			equivalent				Coal	Oil	Gas	
	95	96	97	98	99	100	101	102	103	104	105	106	107
	Mil. kwhr.	Mil. kwhr.	Mil. kwhr.	Mil. kwhr.	Mil. kwhr.	1,000 short tons	1,000 short tons	1,000 42-gal. bbl.	Mil. cu. ft.	Lb.	Gal.	Cu. ft.	B.t.u. per kwhr.
1970	1,284,153 1,191,989 1,106,952 992,847 949,594	684,905 630,483	182,488 137,847 104,276 89,271 78,926	372,884 333,279 304,433 264,806 251,151	21,797 13,928 12,528 7,655 5,520	583,456 524,476 481,275 431,769 412,478	320,818 810,641 297,779 274,185 266,477	335,504 251,027 188,642 161,278 140,949	8,931,996 8,487,642 8,147,909 2,746,352 2,609,949	0.91 .88 .87 .87	0.077 .076 .076 .076 .075	10.5 10.5 10.3 10.4 10.4	10,371 10,396
1965	861,401 806,917 751,038 684,031 640,189	570,926 526,230 493,927 450,249 421,871	64,801 56,954 52,001 46,983 47,120	221,559 220,038 201,602 184,301 169,286	3,657 3,343 3,212 2,270 1,692	869,881 845,666 821,841 293,578 276,869	244,788 225,425 211,332 193,238 182,121	115,203 101,141 93,314 85,768 85,786	2,321,101 2,322,896 2,144,478 1,965,974 1,825,117	.86 .86 .86 .86	.075 .075 .075 .077 .077	10.5 10.6 10.6 10.7 10.8	10,407 10,438 10,498
1960		403,067 378,424 844,366 346,386 338,508	46,105 46,840 40,372 40,500 35,947	157,970 146,619 119,759 114,212 104,037	518 188 165 10	266,064 254,525 228,136 232,576 223,783	176,634 168,423 155,724 160,769 158,279	85,340 88,263 77,668 79,693 72,711	1,724,762	.88 .89 .90 .93 .94	.078 .079 .081 .083 .085	10.9 11.1 11.5 11.7 11.9	10,879 11,090 11,365
1955 1954 1958 1952 1951	483,786 864,854 837,042 293,640 270,531	301,363 239,146 218,846 195,437 185,204	37,138 31,520 38,404 29,750 28,712	95,285 93,688 79,791 68,453 56,616		206,929 180,367 178,491 160,872 154,498	143,759 118,385 115,897 107,071 105,768	75,274 66,745 82,238 67,218 63,945	1,034,272 910,117	.95 .99 1.06 1.10 1.14	.085 .089 .090 .095 .094	12.1 12.4 13.0 13.3 13.5	12.889
1950 1949 1948 1947	232,813 200,965 199,796 176,988 144,555					138,421 124,574 130,122 115,672 93,471	91,871 83,963 99,586 89,531 72,197	75,420 66,301 42,645 45,309 36,316	550,121 478,097	1.19 1.24 1.30 1.31 1.29	.094 .098 .107 .112 .108	14.1 14.9 15.9 16.2 16.3	15,033 15,738 15,600
1945	142,331 153,868 143,785 121,585 113,272					92,642 99,251 98,275 79,075 75,700	74,725 80,084 77,301 66,257 62,668	20,228 20,862 17,986 15,236 20,077	326,212 358,784 301,937 235,208 201,763	1.30 1.29 1.30 1.30 1.34	.109 .109 .111 .115 .112	16.5 16.6 17.0 16.7 16.9	15,850 16,000 16,100
1940 1939 1938 1937	98,963 83,628 69,255 74,502 69,823					62,942 57,958 48,560 58,560 50,144	51,474 44,539 38,394 42,929 40,085	16,325 17,139 12,942 13,829 14,079	180,096 188,878 165,504 169,127 154,084	1.84 1.88 1.40 1.44 1.44	.112 .100 .113 .119 .118	16.5 16.4 17.1 17.1 17.1	16,700 17,450 17,850
1935	56,688 54,418 48,170 46,422 58,014					40,797 39,367 35,274 34,489 43,954	32,715 34,414 28,543 28,056 36,115	11,257 10,258 9,606 7,583	124,118 127,071	1.44 1.45 1.46 1.49 1.52	.118 .120 .122 .122 .128	17.0 17.2 17.3 17.6 18.0	17,850 17,950 18,150 18,450 18,800
1980	59,588 59,154 49,622 46,660 43,472					47,544 49,039 48,020 42,492 41,342	40,278 41,827 38,042 38,199 36,842	8,805 9,783 6,818 6,552	119,553 112,353 77,155	1.60 1.66 1.73 1.82 1.90	.132 .137 .143 .153 .157	19.0 19.7 20.9 21.5 22.9	20,550 21,550 22,600
1925 1924 1928 1922 1921 1921	39,443 34,963 32,088 26,561 22,343 23,495					40,014 38,855 38,404 33,402 30,436 35,791	35,615 32,790 33,636 29,193 26,604 31,640	9,794 16,060 13,925 12,443 11,505 12,690	29,340 24,996 21,701	2.03 2.22 2.39 2.52 2.72 3.05	.165 .182 .195 .209 .220 .254	29.8 31.2 31.0	25,176

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ Excludes generation by wood and waste fuels. Beginning 1961, includes limited output by use of wood, waste, and geothermal power, as follows, in million kw.-hr: 220 in

1961, 228 in 1962, 296 in 1968, 352 in 1964, 458 in 1965, 522 in 1966, 682 in 1967, 811 in 1968, 935 in 1969, and 882 in 1970.

Series S 108-119. Growth of Residential Service, and Average Prices for Electric Energy: 1902 to 1970

				Re	sidential serv	ice				Large light averag		
Year	Annual use per	Percentage e	e of dwelling lectric service	units with	Av	erage price (e monthly	cents per kw	hr.)	All consump- tion 1	Monthly use, 200,000	All customers 1 (cents per	Average prices, all services ¹ (cents per
	customer 1 (kwhr.)	All dwellings	Farm	Urban and rural nonfarm	25 kwhr.	100 kwhr.	250 kwhr. 2	500 kwhr. ²	(cents per kwhr.)	kwhr.3	kwhr.)	kwhr.)
	108	109	110	111	112	113	114	115	116	117	118	119
1970 1969 1968 1967	7,066 6,571 6,057 5,577 5,265				 	4.09 4.05 4.03 4.03 4.00	3.00 2.96 2.95 2.95 2.95 2.94	2.10 2.06 2.07 2.07 2.07	2.10 2.09 2.12 2.17 2.20	1.75 1.72 1.71 1.71 1.70	0.95 .91 .90 .90 .89	1.59 1.54 1.55 1.56 1.56
1965 1964 1963 1962 1961	4 933						2.95 2.97 2.99 2.99 2.98	2.08 2.12 2.13 2.13 2.13	2.25 2.31 2.37 2.41 2.45	1.71 1.71 1.72 1.68 1.67	.90 .91 .93 .96 .97	1.59 1.62 1.65 1.68 1.69
1960	*3,854 3,618 3,389 3,198 2,989	98.8		99.2		4.04 3.98 3.93 *3.89 3.88	2.98 2.94 2.92 *2.89 2.88	2.12 2.10 2.09 *2.08 2.07	*2.47 2.51 2.54 2.56 2.61	1.65 1.64 1.64 *1.62 1.60	*.97 .96 .97 .94 .92	*1.69 1.69 1.71 1.67 1.64
1955 1954 1953 1952 1951	2 773	98.4 97.9 97.2 96.1 95.2	94.4 93.0 91.4 86.9 82.2	98.8	5.20 5.16 5.12 4.96 4.96	3.86 3.82 3.81 3.76 3.74	2.87 2.84 2.83 2.79 2.78	2.06 2.05 2.04 2.02 2.00	2.65 2.70 2.74 2.77 2.81	1.58 1.58 1.58 1.52 1.51	.94 .99 1.00 1.01 1.00	1.67 1.77 1.77 1.79 1.78
1950	1,845 1,684 1,563 1,438 1,329	94.0 93.0 89.6 86.2 85.5	77.7 72.9 66.8 60.2 53.3	96.6	4.96 5.00 4.96 4.92 5.12	3.76 3.78 3.74 3.75 3.85	2.79 2.80 2.77 2.77 2.82	2.02 2.04 2.02 2.01 2.03	2.88 2.95 3.01 3.09 3.22	1 .51 1 .55 1 .50 1 .45 1 .44	1.02 1.05 1.01 .97 .98	1.81 1.86 1.79 1.77 1.81
1945 1944 1943 1942 1941	1,229 1,151 1,070 1,022 986	85.0 84.0 81.3 81.2 80.0	48.0 42.2 40.0 87.8 35.0	93.0	5.28 5.32 5.32 5.36 5.36	3.89 3.92 3.94 3.96 3.98	2.84 2.86 2.88 2.90 2.92	2.04 2.05 2.05 2.07 2.08	3.41 3.51 3.60 3.67 3.73	1.43 1.44 1.43 1.41 1.41	.93 .91 .90 .94 1.00	1.78 1.65 1.66 1.79 1.90
1940	952 897 853 805 735	78.7 77.3 74.9 73.1 70.3	18.3	90.8		4.06 4.12 4.20 4.25 4.39	2.95 2.98 3.09 3.13 3.28	2.11 2.17 2.21 2.30 2.47	3.84 4.00 4.14 4.30 4.67	1.41 1.43 1.43 1.48 (NA)	1.06 1.12 1.20 1.14 1.19	2.06 2.16 2.30 2.17 2.27
1935	677 629 600 601 583	68.0 67.1 66.7 67.0 67.4	12.6 12.1 11.8 11.2 10.7	83.9		4.67 4.49 4.55 4.61 4.86	3.56 3.60 3.65 3.69 4.00	2.77	5.01 5.33 5.52 5.60 5.78	1.54	1.30 1.35 1.38 1.53 1.47	2.46 2.58 2.66 2.85 2.75
1930 1929 1928 1927 1926	502	68.2 67.9 65.0 63.1 57.9	10.4 9.2 7.3 5.9 4.8	84.8	6.92 7.04 7.24 7.54 7.52	5.00 5.21 5.44 5.70 5.85	4.12 4.33 4.62 4.87 5.09		6.03 6.33 6.63 6.82 7.00		1.41 1.38 1.40 1.46 1.49	2.66 2.57 2.66 2.71 2.71
1925 1924 1923 1922 1921	378 368 359 347	53.2 48.6 44.2 40.0 37.8	3.9 3.5 3.0 2.5 2.0	69.4	7.9 8.0	6.03 6.3 6.4 6.7 6.7	5.14 5.4 5.6 5.9 5.9		7.20		(NA) (NA) (NA) 1.8 (NA)	(NA) (NA) (NA) 2.83 (NA)
1920 1917 1912 1907 1902	339 268 264	34.7 24.3 15.9 8.0		47.4	7.9 9.5 10.9	6.9 6.6 8.6 10.3	6.0 5.9 8.0 9.5		7.45 7.52 9.10 10.5 16.2		(NA) 1.2	(NA) 2.1 (NA) 2.7

^{*} Denotes first year for which figures include Alaska and Hawaii.

NA Not available.

¹ Beginning 1950, figures revised to allocate rural service to other appropriate classes of service; not comparable with previous years.

² Composite series using population weights and uniform bills for cities having population of 2,500 or more, beginning 1935; prior years, 50,000 or more.
³ Peak demand of 1,000 kilowatts.

ENERGY S 120-132

Series S 120-132. Use of Electric Energy: 1902 to 1970

[In millions of kilowatt-hours]

							Industrial						
	Total 1	Residen- tial	Commer- cial			Ŋ	I anufacturir	ıg			Miscel- laneous light and	Losses and use un- accounted	Net imports 2
Year				Total industrial	Total	Nuclear energy	Paper and chemicals	Primary metals	Other	Extracting	power	for	
	120	121	122	123	124	125	126	127	128	129	130	131	132
1970	1,641,731 1,553,829 1,435,398 1,317,001 1,250,536	453,015 413,599 370,033 331,118 308,162	295,057 272,248 248,670 225,710 208,819	685,693 672,345 628,657 588,560 571,613		19,672 21,020 24,901 29,828 34,107					78,743 73,508 71,486 65,670 61,092	122,129 116,552 105,943	1,960 1,072 -631 -299 1,092
1965 1964 1963 1962 1961	1,157,442 1,085,696 1,011,515 947,018 883,749	282,255 263,441 243,486 226,430 208,172	190,916 171,436 156,924 145,276 129,961		388,222 366,858	38,707 46,464 51,167	(8)				57,969 55,257	92,005 86,571 82,994 78,122 73,949	-141 1,955 98 536 2,254
1960* 1959 1958 1957 1956	848,723 798,858 728,070 719,957 689,352	196,296 181,889 159,930 147,969 135,620	121,437 112,955 101,969 94,994 87,499	415,699 394,770 358,099 372,476 364,779	361,965 350,592 319,258 325,445 323,334	56,873 56,998 56,950 58,938 60,655	(3) (3)	87,704 84,216 73,096 77,766 78,702	\$217,388 \$209,271 \$189,212 \$188,741 \$183,977	44,178 38,841 47,031	44,421 40,931 44,208 42,909 41,327	70,870 68,313 63,864 61,609 60,127	4,535 3,607 3,318 3,601 4,548
1955 1954 1953 1952 1951	633,078 553,727 522,419 472,071 442,046	121,526 116,228 104,146 93,545 83,093	80,031 72,141 66,533 63,935 58,643	334,088 263,527 254,260 224,487 214,522	299,261 247,666 238,480 209,507 200,322	50,105 26,559 14,727 8,478 5,533	(3) 58,146 57,725 51,049 49,494	75,960 66,781 68,897 54,493 54,497	³ 173,196 96,180 97,131 95,492 90,798	15,861 15,780	39,623 45,687 44,818 39,949 38,798	53,804 50,654 47,886	4,068 2,340 2,008 2,269 2,187
1950 1949 1948 1947 1946		72,200 63,369 57,421 49,417 42,919	52,091 44,830 41,698 37,152 32,060	194,835 169,274 172,658 157,197 137,308	181,335 156,524 159,358 144,247 125,598	3,794 3,614 3,477 3,233 3,548	45,123 38,227 38,970 34,996 32,104	40,645 34,895	55,051	12,750 13,300 12,950 11,710	34,166 34,720 33,096 34,788 32,584	36,992 33,457	1,786 1,588 1,545 1,915 2,391
1945		37,749 34,636 31,271 29,187 26,574	28,091 29,837 28,192 27,233 24,628	146,261 156,365 155,671 133,899 113,931	145 015	3,099 1,164 31	36,780 40,285 39,670 33,463 27,830	37,371 43,158 44,973 36,257 29,630	57,705 60,408 59,321 53,042 46,577	11,806 11,350 11,676 11,137 9,894	33,364 31,965 26,017 19,958 22,574	27,001 28,400 26,567 22,782 20,351	2,562 2,515 2,497 2,418 2,331
1940 1939 1938 1937 1936		24,068 21,433 19,371 17,691 15,659	22,373 20,722 19,137 18,075 15,612	92,390 78,603 65,850 73,300 70,500				22,782 17,632 14,504 16,068 15,620	37,718 83,846 28,119 31,153 30,283	7.398	23,173 24,378 22,982 22,124 20,266	17,588 15,891 14,227 14,924 13,773	2,114 1,894 1,808 1,827 1,556
1935 1934 1933 1932 1931		11,738	13,588 12,278 11,589 12,106 13,544	63,265 56,695 52,358 48,614 56,512	56,706 50,593 46,561 43,504 50,410		15,356 13,700 12,609 11,781 13,651	14,070 12,554 11,553 10,795 12,508	27,280 24,339 22,399 20,928 24,251	6,559 6,102 5,797 5,110 6,102	15,902 17,561 16,599 16,952 16,240	11,224	1,337 1,234 967 644 1,209
1930	115,783 117,914 109,150 102,404 95,164	8,619 7,676 6,827	9,485	61,023 63,279 59,750 57,383 52,750	53,930 55,122 52,699 51,012 46,350		14,604 14,983 14,271 13,814 12,551	13,382 13,543 .13,076 12,658 11,501	25,944 26,596 25,352 24,540 22,298	7,051 6,371 6,400	16,453 18,396 16,753 15,118 15,524	10,763 9,842 9,085	1,592 1,423 1,573 1,619 1,493
1925 1924 1923 1922 1921	85,513 76,651 72,113 61,816 53,656	4,580 8,916 3,532	9,345 8,634 8,027 7,180 6,125	28,000	39,725 34,967 32,585 27,364 23,993		10,757 9,468 8,824 7,410 6,497	6,790 5,953	19,111 16,822 15,676 13,164 11,543	5,665 4,836 4,007	15,294 14,132 13,137 11,752 10,026	6,788 5,803 4,964	
1920 1917 1912 1907 1902	57,125 43,863 25,000 14,262 6,029	1 91/1	5,213	1 11 950	26,913 20,750 9,250		7,288 5,619 2,505	5,149	9,982	4,587 3,000 2,000	10,065 8,532 6,671	5,280 3,421 1,562	940 1,216 531

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ Beginning 1955, represents a more refined series reflecting ultimate use rather than being based on rate classifications. Includes self-generation at Atomic Energy Com-

mission installations; excludes self-generation at shopping centers, apartment buildings, and offices.

³ Beginning 1955, classified in ultimate use; "net imports" not included in total.

³ Paper and chemicals included in other.

Series S 133–146. Electric Utilities—Selected Balance Sheet and Income Account Items of Privately Owned Companies: 1937 to 1970

[In millions of dollars]

		Ass	sets and del	oits		Liabilities	and credits	<u> </u>			Income	accounts		
Year	Total assets, liabilities	Net utility	Current	Other	Capital	Long- term	Retained	Other liabilities	Operating	Net operating		Gross incon	ne	Net
		plant	assets		stock	debt	earnings	and credits	revenues	revenues	Total	Operating	Other	income
	133	134	135	136	137	138	139	140	141	142	143	144	145	146
1970	87,417 78,317 71,099 65,197 60,359	79,928 71,449 64,901 59,421 54,791	5,321 4,810 4,439 4,156 4,020	2,168 2,057 1,760 1,619 1,549	20,782 18,584 17,746 17,080 16,212	41,938 37,072 33,519 30,358 27,728	9,363 8,608 7,742 6,997 6,407	15,385 14,053 12,092 10,761 10,012	23,128 21,085 19,405 17,935 16,959	4,885 4,490 4,106 3,896 3,639	5,658 4,628 4,233 4,005 3,748	4,885 4,493 4,109 8,899 3,642	773 136 124 106 101	3,408 3,196 2,996 2,908 2,749
1965	56,395 53,753 51,389 49,191 47,009	51,267 48,644 46,566 44,486 42,549	3,639 3,634 3,411 3,320 3,152	1,489 1,475 1,412 1,386 1,309	15,668 15,621 15,074 14,325 13,801	25,502 24,589 23,632 22,912 22,028	5,712 5,142 4,640 4,481 4,011	9,512 8,401 8,043 7,474 7,168	15,820 14,991 14,180 13,468 12,604	3,405 3,154 3,020 2,833 2,560	3,506 3,277 3,108 2,908 2,630	3,409 3,156 3,023 2,835 2,563	97 121 85 73 67	2,581 2,393 2,178 2,053 1,875
1960	44,742 42,106 89,278 36,401 33,242	40,456 37,889 35,293 32,436 29,500	3,066 2,943 2,773 2,799 2,618	1,220 1,273 1,212 1,166 1,124	13,322 12,636 12,074 11,434 10,934	21,085 19,818 18,558 17,037 15,211	3,736 3,356 3,042 2,718 2,414	6,649 6,296 5,604 5,212 4,683	11,920 11,129 10,195 9,670 9,054	2,395 2,220 2,014 1,849 1,745	2,476 2,286 2,074 1,916 1,808	2,398 2,222 2,016 1,852 1,748	79 64 58 64 61	1,783 1,656 1,519 1,413 1,332
1955	26 615	27,318 25,359 23,165 20,636 18,654	2,567 2,487 2,377 2,443 2,307	1,107 1,179 1,073 1,423 1,404	10,404 9,924 9,314 8,764 8,146	14,316 13,313 12,030 10,797 9,983	2,191 2,051 1,868 1,645 1,444	4,081 3,687 3,403 3,298 2,792	8,360 7,588 7,136 6,549 6,508	1,617 1,456 1,318 1,192 1,056	1,683 1,526 1,369 1,266 1,122	1,620 1,459 1,321 1,195 1,060	63 67 49 70 62	1,244 1,134 1,030 947 814
1950	18,906 17,266	17,075 15,581 13,929 12,487 11,647	2,058 1,899 1,985 1,763 1,704	1,389 1,427 1,352 1,323 1,298	7,621 7,016 6,404 6,071 5,804	9,179 8,532 7,693 6,581 6,129	1,346 1,197 1,036 888 833	2,377 2,161 2,132 2,033 1,882	5,528 5,069 4,830 4,291 3,815	1,028 951 825 811 824	1,101 1,022 896 883 891	1,033 956 830 815 829	68 66 66 67 62	822 757 657 643 638
1945 1944 1943 1942 1941	15 101	11,446 11,951 12,286 12,542 12,640	1,672 1,655 1,583 1,365 1,217	1,333 1,576 1,655 1,705 1,742	5,950 6,271 6,353 6,487 6,504	6,117 6,371 6,587 6,754 6,822	766 866 845 863 868	1,619 1,673 1,739 1,508 1,406	3,682 3,615 3,464 3,216 3,029	828 781 752 737 762	887 842 817 802 836	883 786 759 744 770	54 56 58 59 67	534 507 502 490 527
1940	15 212 1	12,494 12,852 12,419 12,356	1,123 1,042 1,084 959	1,860 1,924 1,966 1,957	6,471 6,387 6,376 6,432	6,895 6,971 7,060 6,850	860 811 788 802	1,251 1,148 1,245 1,188	2,797 2,647 2,549 2,582	797 786 746 761	873 864 821 840	805 794 754 769	68 70 67 71	548 535 487 509

Series S 147–159. Rural Electrification Administration—Electric Program, Summary of Operations: 1935 to 1970

	Net loans	approved 1	Syste	ms in opera	tion ²	Borre	owers' operat	ions during	year ³		onthly con- er consumer	Total utility	Employees
Year	Borrowers	Amount	Systems	Miles energized	Consumers served	Energy generated	Energy purchased	Energy sold	Revenue	All consumers	Residential consumers 4	plant	
	147	148	149	150	151	152	153	154	155	156	157	158	159
		Mil. dol.		1,000	1,000	Mil. kwhr.	Mil. kwhr.	Mil. kwhr.	Mil. dol.	Kwhr.	Kwhr.	Mil. dol.	
1970 1969 1968 1967 1966	1,096 1,098 1,101 1,101 1,101	7,496 7,151 6,822 6,403 6,145	1,050 1,049 1,052 1,052 1,051	1,676 1,650 1,627 1,606 1,587	6,442 6,197 5,986 5,806 5,653	23,814 18,073 14,509 13,710 11,547	60,478 56,031 50,917 45,400 42,825	76,009 66,421 58,304 52,880 48,439	1,309 1,168 1,060 977 912	948 876 812 751 708	687 643 593 548 515	7,175 6,598 6,167 5,776 5,358	37,013 35,771 34,568 33,457 32,597
1965 1964 1963 1962 1961	1,103 1,105 1,101 1,096 1,091	5,793 5,477 5,073 4,786 4,509	1,052 1,051 1,046 1,042 1,038	1,567 1,547 1,527 1,504 1,483	5,541 5,386 5,238 5,095 4,956	8,834 8,039 7,002 6,043 5,118	39,104 36,907 33,005 30,134 27,754	42,668 39,837 35,357 31,880 28,967	847 802 746 697 651	654 616 565 526 487	479 456 425 401 375	4,979 4,696 4,406 4,104 3,897	31,702 30,799 29,816 29,046 28,084
1960 1959 1958 1957 1956	1,087 1,085 1,081 1,079 1,077	4,256 4,011 3,847 3,634 3,343	1,038 1,032 1,030 1,030 1,026	1,465 1,446 1,424 1,405 1,383	4,826 4,722 4,596 4,466 4,362	4,922 4,464 3,482 3,291 3,612	26,057 24,033 21,500 19,266 17,266	27,269 25,071 21,902 19,677 18,197	615 575 525 490 460	466 432 393 364 345	357 334 311 283 263	3,697 3,486 3,244 3,059 2,879	
1955 1954 1953 1952 1951	1 078	3,125 2,946 2,778 2,669 2,484	1,026 1,024 1,022 1,020 1,016	1,362 1,333 1,297 1,245 1,179	4,251 7,174 4,025 3,858 3,666	3,255 2,721 2,103 1,640 1,413	14,996 13,450 11,786 10,351 8,828	15,739 13,829 11,804 10,128 8,567	420 383 343 306 270	312 285 254 230 206	242 223 201 182 166	2,706 2,542 2,351 2,143	

See footnotes at end of table.

ENERGY S 147-175

Series S 147-159. Rural Electrification Administration—Electric Program, Summary of Operations: 1935 to 1970—Con.

	Net loans	approved 1	Syst	ems in operati	on ²	Вој	rrowers' operat	ions during ye	ar ⁸	Average consumption	monthly per consumer
Year	Borrowers	Amount	Systems	Miles energized	Consumers served	Energy generated	Energy purchased	Energy sold	Revenue	All consumers	Residential consumers
	147	148	149	150	151	152	153	154	155	156	157
		Mil. dol.		1,000	1,000	Mil. kwhr.	Mil. kwhr.	Mil. kwhr.	Mil. dol.	Kwhr.	Kwhr.
1950 1949 1948 1947	1,076 1,066 1,044 1,029	2,312 1,999 1,575 1,191	1,007 995 952 911 869	1,089 943 759 603 507	3,413 3,040 2,518 2,046	1,077 903 718 443 320	7,270 5,879 4,514 8,379 2,497	6,884 5,564 4,252 3,056	229 188 145 111 87	180 166 153	147 134 121
1945	1,009 961 904 873 868 869	667 518 474 460 434	848 826 811 803 773	450 410 390 378 348	1,684 1,409 1,217 1,088 1,012 902	258 213 199 131 83	2,159 1,974 1,721 1,305 854	2,244 1,951 1,795 1,572 1,151 724	71 63 54 47 35		
1940 1939 1938 1937 1937 1936	791 688	351 268 181 82 44 7	685 548 350 126 29	268 181 67 17 3	674 436 176 44 8		402				

Series S 160-175. Developed and Undeveloped Water Power, by Geographic Division: 1920 to 1970 [In thousands of kilowatts. As of December 31. For composition of divisions, see text for series A 172-194]

			De	veloped w	ater powe	er 1					Un	developed	water po	wer		
Year	United States	New England	Middle Atlantic	North Central	South Atlantic	South Central	Moun- tain	Pacific	United States	New England	Middle Atlantic	North Central	South Atlantic	South Central	Moun- tain	Pacific
	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175
1970 1969 1968 1967	51,952 50,248 48,741 45,826 44,288	1,495 1,487 1,491	4,264 4,231 4,243 4,247 4,246	8,664 3,718 3,665 8,703 3,625	5,255 5,349	7,170 6,951 6,874 6,530 6,298	6,202 6,097 6,095 6,083 6,022	23,914 22,481 21,122 18,425 17,426	127,990 128,900 129,709 130,444 130,640	3,330 3,300 3,302 3,304 8,312	4,455 4,545 4,545 4,514 4,832	5,966 5,892 5,892 5,619 5,312	9,468	7,089 7,054 7,068 7,008 7,031	26,655 26,923 26,923 26,891 26,822	70,939 71,478 72,268 73,640 74,019
1965 1964 1968 1962 1961	41 227	1,497 1,508	4,237 4,237 4,218 4,239 3,852	3,460 3,302 8,197 2,942 2,618	4,635 4,600 4,099	6,088 5,851 5,419 5,164 4,897	5,551 5,218 4,845 4,773 4,821	16,454 15,110	124,087 117,793 115,734 116,100 112,700	3,128 8,100	4,986 4,950 5,179 5,200 5,700	5,497 5,691 5,866 6,800 9,000	9,903 11,000	8,023 8,200	26,530 27,253 26,652 26,900 24,100	59,208 56,988 54,900
1960 1959 1958 1957 1956	33,180 * 31,794 30,089 27,761 26,386	1,520 1,513 1,521 1,528 1,388	2,113 1,600	2,276 2,277	3,732 8,732	4,695 4,697 4,697 4,674 4,524	4,621 4,511 4,157 3,785 3,701	13,578 * 12,439 11,592 10,165 9,440	93,783 90,242	2,708 2,728	7,600 7,465 7,869 8,382 8,012	9,323 8,967	8,388 8,393 7,645	8,499 7,854 7,480	23,600 23,243 23,141 21,245 21,383	* 54,243 34,498 33,798
1955 1954 1953 1952 1951	25,742 24,238 23,055 21,416 19,871	1,385 1,335 1,282 1,262 1,254	1,750 1,704 1,707	1,783 1,620	2.834	4.374	3,706 3,629 3,438 3,181 2,627	8,898 7,901 7,425 6,814 6,421	86,895 82,804 85,562 87,992 86,174	3,122 3,233	8,023 6,395 6,449 6,415 6,598	9,211 9,412 9,480	8,058 8,281 8,677	7,085 7,464 7,784	20,668 20,105 21,618 21,895 22,089	29.216
1950 1949 1948 1947 1947	18,675 17,662 16,635 15,956 15,828	1,202 1,192 1,165	1.668	1,530 1,469 1,437 1,435 1,434	2,687 2,662 2,662	2,731 2,618	2,286 2,202 2,056 2,026 2,008	5,980 5,423 4,888 4,387 4,269	(NA) 77,130	3,249 (NA) 3,348	(NA) 5,175	8,192 (NA) 7,309	8,184 (NA) 7,462	8,374 (NA) 7,446	23,440 23,426 (NA) 17,755	30,142 (NA) 28,63
1945	14,912 14,586 13,884 12,842 11,817	894 898 891	1,593 1.587	1,314 1,294	2,086 2,085 2,084	2,151 1,986	1,924 1,784	4,309 4,314 3,929 3,256 2,902								

See footnotes at end of table.

loans have been repaid in full.

3 Excludes energy sales and revenues of power sold by one REA borrower to another, except for 1940–1942, for which such sales and revenues are included.

4 Includes rural-nonfarm and farm consumers. Represents zero.
 Excludes loans rescinded. Cumulative as of Dec. 31. Prior to 1948, includes amounts not yet under loan contract.
 As of Dec. 31. Includes data at time of repayment of loan for borrowers whose

Series S 160-175. Developed and Undeveloped Water Power, by Geographic Division: 1920 to 1970—Con.

[In thousands of kilowatts]

			De	eveloped v	water powe	er 1						De	veloped w	ater powe	r 1		
Year	United States	New England	Middle Atlantic	North Central	South Atlantic	South Central	Moun- tain	Pacific	Year	United States	New England	Middle Atlantic	North Central	South Atlantic	South Central	Moun- tain	Pacific
	160	161	162	163	164	165	166	167		160	161	162	163	164	165	166	167
1940	11,224 11,004 10,657 10,176 10,037 9,399 9,345 9,334 9,258 9,091	858 838 824 832 832 804 767 768 768 762	1,588 1,563 1,561 1,550 1,533 1,517 1,489 1,489 1,457 1,338	1,219 1,204 1,204 1,147 1,111 1,071 1,071 1,065 1,058	1,882 1,803 1,728 1,710 1,709 1,678 1,680 1,684 1,634	1,397 1,279 1,223 1,114 1,079 924 924 916 954 945	1,612 1,581 1,381 1,160 1,152 792 782 791 788 788	2,668 2,741 2,736 2,662 2,622 2,613 2,631 2,624 2,599 2,566	1930	8,585 7,831 7,702 6,802 6,405 5,922 5,024 4,507 4,128 3,902 3,704	753 554 557 496 474 415 381 381 383 314 291	1,290 1,218 1,205 1,151 1,115 1,027 905 766 757 741 662	881 879 862 842 835 813 741 705 664 632 629	1,603 1,351 1,346 963 945 878 760 659 534 536 589	882 841 840 700 618 482 280 248 195 187	784 680 679 673 592 570 544 520 509 494 487	2,391 2,308 2,213 1,977 1,826 1,738 1,413 1,259 1,132 998 872

^{*}Denotes first year for which figures include Alaska and Hawaii. NA Not available.

Series S 176-189. Natural Gas-Consumption and Value: 1922 to 1970

	Tota	l consumpt	ion ¹ (bil. c	u. ft.)				Value of ga	s consume	d			Consume	rs (1,000)
		Resi-	Com-	Indus-	Total	Resi-	Com-	Indus-	Avers	age per 1,00	00 cu. ft. 1	(cents)	Resi-	Com-
Year	Total	dential	mercial	trial	(mil. dol.)	dential (mil. dol.)	mercial (mil. dol.)	trial (mil. dol.)	Total	Resi- dential	Com- mercial	Indus- trial	dential	mercial
	176	177	178	179	180	181	182	183	184	185	186	187	188	189
1970	22,046	4,837	2,057	15,152	11,825	5,272	1,682	4,871	53.6	109.0	81.8	32.1	38,604	3,253
1969	20,923	4,728	1,955	14,240	10,769	4,954	1,526	4,289	51.5	104.7	78.1	30.1	38,096	3,222
1968	19,460	4,450	1,801	13,209	9,800	4,635	1,398	3,767	50.3	104.1	77.6	28.5	37,259	3,121
1967	18,173	4,313	1,717	12,143	9,442	4,501	1,338	3,603	51.9	104.3	77.9	29.7	36,434	3,077
1966	17,192	4,138	1,623	11,431	8,996	4,318	1,238	3,440	52.3	104.3	76.3	30.1	36,084	3,120
1965	16,033	3,903	1,443	10,687	8,368	4,091	1,115	3,162	52.2	104.8	77.3	29.6	35,302	2,991
1964	15,536	3,787	1,375	10,374	8,020	3,990	1,059	2,971	51.9	105.9	77.5	28.8	34,575	2,884
1963	14,640	3,589	1,268	9,783	7,497	3,750	996	2,751	51.2	104.5	78.6	28.1	33,451	2,788
1962	13,890	3,479	1,207	9,204	7,145	3,629	940	2,576	51.4	104.3	77.9	28.0	32,655	2,712
1961	13,082	3,249	1,077	8,756	6 ,667	3,475	838	2,354	51.0	107.0	77.8	26.9	32,052	2,641
1960 ²	12,509	3,103	1,020	8,386	6,270	3,209	791	2,270	50.1	103.4	77.5	27.1	31,148	2,584
	11,820	2,913	975	7,932	5,642	2,946	703	1,993	47.7	101.1	72.1	25.1	30,692	2,608
	10,761	2,714	872	7,175	4,968	2,665	606	1,697	46.2	98.2	69.5	23.6	29,282	2,405
	10,280	2,500	776	7,004	4,435	2,325	534	1,576	43.1	93.0	68.9	22.5	28,792	2,344
	9,707	2,328	717	6,662	4,025	2,126	465	1,434	41.5	91.3	64.9	21.5	27,887	2,255
1955	9,070	2,124	629	6,317	3,626	1,885	395	1,346	40.0	88.7	62.7	19.6	26,084	2,140
1954	8,403	1,894	585	5,924	3,205	1,692	378	1,135	38.1	89.3	64.7	19.2	25,227	2,076
1953	7,979	1,686	531	5,762	2,829	1,458	323	1,048	35.5	86.5	61.0	18.2	24,186	2,042
1952	7,613	1,622	516	5,475	2,527	1,347	294	886	33.2	83.1	57.0	16.2	22,569	1,855
1951	7,103	1,475	464	5,164	2,119	1,121	246	752	29.8	76.0	52.9	14.6	21,444	1,614
1950	6,026	1,198	388	4,440	1,604	826	184	594	26.6	69.0	47.6	13.4	16,906	1,347
	5,195	993	348	3,854	1,321	666	158	497	25.4	67.1	45.5	12.9	14,690	1,231
	4,945	896	323	3,726	1,194	585	142	467	24.1	65.3	44.0	12.5	13,508	1,145
	4,427	802	285	3,340	1,028	526	126	376	23.2	65.6	44.1	11.3	12,204	1,039
	4,013	661	242	3,110	883	447	103	333	22.0	67.6	42.4	10.7	11,472	965
1945 1944 1943 1942	3,900 3,696 3,403 3,045 2,805	607 562 529 499 442	230 221 205 184 145	3,063 2,913 2,669 2,362 2,218	834 794 759 691 620	415 388 371 353 318	98 92 88 80 68	321 314 300 258 234	21.4 21.5 22.3 22.7 22.1	68.3 69.1 70.0 70.7 72.0	42.4 41.7 42.3 43.7 47.2	10.5 10.8 11.3 10.9 10.5	10,959 10,669 10,354 10,135 9,730	889 845 811 779 767
1940	2,655	444	135	2,076	577	316	64	197	21.7	71.1	47.8	9.5	9,245	741
	2,474	391	118	1,965	534	288	58	188	21.6	73.5	49.4	9.6	8,888	715
	2,294	368	114	1,812	501	273	56	172	21.8	74.2	49.2	9.4	8,570	695
	2,403	372	117	1,914	528	274	57	197	22.0	73.6	48.7	10.3	8,348	680
	2,161	343	112	1,706	476	252	54	170	22.0	73.3	48.1	10.0	8,017	657
1935	1,910	313	100	1,497	428	234	49	145	22.4	74.6	49.3	9.7	7,391	613
1934	1,765	288	91	1,386	394	215	45	134	22.3	74.6	49.6	9.7	6,984	582
1933	1,553	283	86	1,184	368	210	43	115	23.7	74.0	49.8	9.8	6,691	541
1932	1,554	298	87	1,169	384	223	44	117	24.7	74.8	50.4	10.0	6,506	531
1931	1,684	294	86	1,304	392	208	41	143	23.3	70.7	47.8	10.9	6,443	518
1930 1929 1928 1927 1926	1,942 1,917 1,568 1,445 1,313	296 36 32 28	21 96	1,565 1,557 1,247 1,149 1,024	416 413 364 318 300	201 22 19 18 18	30	176 190 165 138 131	21.4 21.5 23.2 22.0 22.9	62 60	47.8 .0 .0 .8 .4	11.3 12.2 13.2 12.0 12.8	5,035 5,0 4,3 3,9 3,7	144 184
1925 1924 1923 1922	1,188 1,141 1,007 763	27 28 27 28	35 77	916 856 730 509	265 254 240 222	15 15 14 12	54 12	113 100 98 95	22.3 22.2 23.8 29.1	54 51	.0 .0 .4 .9	12.3 11.6 13.4 18.6	3,5 3,4 3,2 3,0	43 84

¹Beginning 1967, data volumes are converted to a pressure base of 14.73 p.s.i.a.; prior years are converted to a pressure base of 14.65 p.s.i.a.

¹ Nameplate capacity of existing installations only. Includes capacity at electric utility and industrial plants, but excludes pumped storage capacity. Prior to 1946, includes capacity at electric utility plants only.

² Beginning 1960, includes Alaska.

S 190-204 **ENERGY**

Series S 190-204. Gas Utility Industry-Customers, Sales, and Revenues, by Type of Service: 1932 to 1970

		Cus	tomers ¹ (1,	000)			Sales	² (mil. the	rms ³)			Reve	nues ² (mil.	dol.)	
Year	Total	Resi- dential	Com- mercial	Indus- trial	Other	Total	Resi- dential	Com- mercial	Indus- trial	Other	Total	Resi- dential	Com- mercial	Indus- trial	Other
	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204
1970	41,482	38,097	3,131	199	55	160,435	49,237	20,066	84,392	6,740	10,283	5,207	1,620	3,181	274
1969	40,854	37,538	3,074	193	49	153,916	48,204	18,781	81,358	5,573	9,480	4,883	1,459	2,919	219
1968	39,930	36,691	3,004	188	47	144,724	45,527	17,049	75,951	6,197	8,781	4,567	1,315	2,675	228
1967	39,077	35,915	2,934	181	47	134,888	43,658	15,776	70,143	5,311	8,261	4,383	1,224	2,461	193
1966	88,228	35,142	2,868	174	45	128,591	41,754	14,628	66,533	5,676	7,870	4,195	1,135	2,885	205
1965	37,338	34,341	2,790	166	41	119,803	39,990	13,448	61,465	4,900	7,407	4,030	1,054	2,148	176
1964	36,463	33,551	2,712	159	41	115,912	38,697	12,735	59,120	5,360	7,133	3,895	998	2,049	191
1963	35,551	32,711	2,640	162	89	107,663	36,680	11,366	54,381	5,236	6,727	3,728	910	1,906	183
1962	34,683	31,893	2,598	156	37	102,848	35,369	10,929	51,001	5,049	6,445	3,603	874	1,796	171
1961	33,831	31,118	2,529	147	37	95,890	33,210	9,881	47,856	4,943	5,993	3,377	789	1,658	169
1960*	33,054	30,418	2,458	141	37	92,877	31,881	9,198	47,094	4,704	5,617	3,177	723	1,563	153
1959 4	32,066	29,530	2,364	136	36	87,917	29,739	8,275	45,631	4,273	5,065	2,870	633	1,431	131
1958	31,242	28,786	2,287	134	35	80,285	28,125	7,649	40,764	3,748	4,568	2,658	571	1,229	111
1957	30,476	28,101	2,211	132	32	77,034	25,985	6,989	40,476	3,585	4,134	2,379	506	1,150	99
1956	29,536	27,241	2,141	125	29	72,541	24,643	6,558	38,687	2,654	3,850	2,237	471	1,066	77
1955	28,479	26,283	2,048	121	27	66,586	22,387	6,029	35,351	2,819	3,450	2,007	424	938	81
1954	27,528	25,398	1,990	112	28	61,026	20,031	5,405	33,096	2,494	3,049	1,783	378	821	68
1953	26,705	24,647	1,926	107	25	56,073	18,033	4,980	30,373	2,687	2,716	1,574	339	739	63
1952	25,850	23,852	1,869	104	25	52,392	17,348	4,929	27,990	2,125	2,466	1,457	321	639	48
1951	24,953	23,042	1,787	101	23	48,222	16,205	4,559	25,522	1,936	2,228	1,335	294	557	42
1950	24,001	22,146	1,739	100	16	42,090	13,839	4,104	22,887	1,261	1,948	1,177	266	480	26
1949	23,035	21,264	1,657	97	17	35,790	11,827	3,724	18,979	1,260	1,689	1,031	238	396	24
1948	22,245	20,562	1,571	94	18	33,885	11,153	3,535	17,981	1,216	1,579	958	221	377	23
1947	21,416	19,835	1,474	91	16	29,882	10,087	3,107	15,792	897	1,396	862	191	326	18
1946	20,636	19,157	1,377	87	15	26,379	8,482	2,630	14,602	665	1,213	754	161	284	13
1945	19,977	18,607	1,278	80	12	25,868	7,749	2,497	14,523	1,098	1,153	705	149	281	18
1944	19,585	18,320	1,177	82	6	25,120	7,313	2,208	14,635	964	1,108	667	133	293	15
1948	19,064	17,838	1,141	77	8	23 415	7,001	2,083	13,582	748	1,064	648	128	277	11
1942	18,734	17,511	1,137	78	8	20,849	6,679	1,990	11,723	457	994	623	127	238	7
1941	18,126	16,904	1,137	78	7	19,009	5,862	1,650	11,206	292	914	575	114	220	5
1940 1939 1938 1937 1936	17,600 17,128 16,876 16,605 16,170	16,381 15,926 15,697 15,466 15,026	1,138 1,121 1,094 1,056 1,058	73 73 75 74 77	8 8 10 9	17,235 15,927 14,682 15,773 14,693	5,828 5,289 4,956 4,987 4,784	1,598 1,469 1,380 1,382 1,369	9,544 8,768 7,941 9,041 8,280	271 401 405 364 260	872 814 777 802 770	573 538 523 528 516	112 105 101 100 97	182 165 145 167 167	5 6 9 7 5
1935 1934 1933 1932	15,819 15,512 15,195 15,532	14,725 14,440 14,141 14,452	1,014 990 978 999	72 74 68 73	8 8 8	12,924 12,063 10,531 10,441	4,445 4,202 4,237 4,672	1,211 1,102 1,150 1,198	7,221 6,699 5,114 4,584	47 62 29 42	727 703 680 723	503 494 495 587	91 87 88 93	130 119 95 91	2 8 2 8

^{*} Denotes first year for which figures include Alaska and Hawaii.

1 Yearly averages.

2 Excludes sales for resale.

 ³ A therm is equivalent to 100,000 British thermal units. A B.t.u. is the quantity of heat required to raise the temperature of 1 pound of water 1° F. at or near its point of maximum density.
 ⁴ Includes Hawaii.

GAS UTILITY AND PIPELINE INDUSTRY

Series S 205-218. Gas Utility and Pipeline Industry—Balance Sheet and Income Account: 1937 to 1970
[In millions of dollars]

		Assets	and other	debits		Liabiliti	es and othe	er credits						
Year	Total assets, liabilities	Utility plant and adjust- ments	Current and accrued assets	Other 1	Capital stock and surplus	Long- term debt	Reserve for deprecia- tion, retire- ments, etc.	Current and accrued liabilities	Other 2	Operating revenues	Net operating revenues	Utility operating income	Gross income	Net income
	205	206	207	208	209	210	211	212	213	214	215	216	217	218
1970	45,625 3 42,952 40,245 37,620 35,175	38,541 36,593 34,400 32,030 30,175	3,674 3,328 3,120 2,965 2,765	3,410 3,031 2,725 2,625 2,235	8,735 8,101 8,115 7,885 7,475	15,681 14,423 13,610 12,770 12,055	10,696 10,010 9,310 8,535 7,855	4,832 4,902 4,325 3,890 3,620	5,681 5,388 4,885 4,540 4,170	16,380 14,896 13,770 12,850 12,219	2,074 1,958 1,702 1,654 1,536	2,086 1,966 1,710 1,662 1,543	2,384 2,264 2,000 1,925 1,740	1,427 1,459 1,312 1,300 1,179
1965		28,205 26,410 25,055 23,940 22,385	2,545 2,605 2,610 2,650 2,340	2,095 1,985 1,870 1,910 1,830	7,290 7,085 6,885 6,745 6,455	11,515 11,070 10,605 10,450 10,080	7,205 6,615 6,045 5,615 5,025	3,035 2,850 2,940 2,890 2,460	3,800 3,380 3,060 2,800 2,535	11,525 11,074 10,435 10,019 9,282	1,462 1,373 1,299 1,274 1,158	1,469 1,380 1,305 1,280 1,164	1,626 1,559 1,409 1,416 1,254	1,107 1,063 890 907 818
1960		20,835 19,200 17,465 16,155 14,490	2,185 2,150 1,905 1,790 1,605	1,550 1,495 1,360 1,205 790	5,930 5,650 5,185 4,820 4,370	9,130 8,740 8,005 7,465 6,390	4,570 4,065 3,690 3,280 3,055	2,420 2,195 1,960 1,885 1,630	2,520 2,195 1,890 1,700 1,440	8,696 7,690 6,856 6,194 5,661	1,109 994 890 814 764	1,112 997 892 816 766	1.222 1,075 976 895 821	830 732 668 627 600
1955		13,305 12,195 11,315 10,095 9,005	1,465 1,375 1,225 1,145 1,060	665 660 700 530 450	4,105 3,780 3,445 3,145 2,770	5,900 5,615 5,260 4,540 3,945	2,775 2,525 2,270 2,045 1,885	1,390 1,160 1,120 1,030 995	1,265 1,150 1,145 1,010 920	5,063 4,454 4,074 3,462 2,999	665 582 534 455 421	667 584 537 457 423	715 630 566 489 451	509 435 389 352 336
1950 1949 1948 1947 1946	9,010 7,890 7,165 6,620 5,940	7,620 6,730 5,945 5,600 5,065	970 780 805 690 615	420 380 415 330 260	2,540 2,290 2,090 2,015 1,915	3,145 2,615 2,370 1,970 1,580	1,740 1,655 1,475 1,505 1,495	735 550 535 450 365	850 780 695 680 585	2,553 2,129 1,954 1,700 1,465	371 302 263 238 233	372 302 263 238 232	405 330 290 271 255	317 251 222 213 195
1945 1944 1943 1942 1941	5,610 5,550 5,435 5,155 4,970	4,770 4,735 4,635 4,445 4,295	590 570 510 440 405	250 245 290 270 270	1,825 1,750 1,715 1,680 1,690	1,495 1,515 1,520 1,525 1,460	1,400 1,335 1,250 1,070 960	350 360 320 310 275	540 590 630 570 585	1,363 1,308 1,264 1,188 1,108	211 219 203 194 202	211 215 199 190 198	226 217 203 195 205	152 145 133 124 132
1940 1939 1938 1937	4,865 4,815	4,330 4,240 4,195 4,200	360 325 330 300	290 300 290 315	1,740 1,720 1,665 1,665	1,575 1,580 1,650 1,695	870 830 740 750	245 235 235 235 235	550 500 525 470	1,054 1,000 964 995	215 200 191 205	214 199 185 201	223 211 195 213	145 129 105 121

 $^{^{\}rm I}$ Includes investment and fund accounts, capital stock discount and expense, and reacquired securities.

² Includes deferred credits, reserve for deferred income taxes, other reserves, contributions in aid of construction, and retained income.

⁸ Liability breakdown will not add to total because of error in reporting units.

Distribution and Services

T 1-491. General note.

Users of these statistics are cautioned to keep in mind that data relate to establishments or firms classified under the Standard Industrial Classification (SIC) System (U.S. Office of Management and Budget, Standard Industrial Classification Manual, various issues, Washington, D.C.) as being engaged in wholesale trade, retail trade, or in performing services. As defined in the SIC, services does not include finance, insurance and real estate. Data for such estabblishments are included in Chapter X.

Where two or more activities are carried on at a single location under a single ownership, all activities are generally grouped together and the entire establishment classified in its major activity. The activities of leased departments are generally combined with the parent establishment in which they are located. Data as presented for the various censuses and annual data do not include the activities engaged in at administrative offices or in auxiliary establishments. Neither do they include the operations of chain store warehouses.

T 1-14. National income originating in distribution and selected service industries, 1869-1970.

Source: 1869-1929, Harold Barger, "Income Originating in Trade, 1869-1929," Studies in Income and Wealth, vol. 24, Conference on Research in Income and Wealth, National Bureau of Economic Research, Princeton. U.S. Bureau of Economic Analysis (formerly Office of Business Economics), 1929-1963, National Income and Product Accounts of the United States, 1929-1965, table 1.12; 1964-1967, U.S. National Income and Product Accounts, 1964-67, table 1.12; 1968-1970, Survey of Current Business, July 1972, table 1.12.

Data for 1929-1948 are based on the 1942 Standard Industrial Classification System (SIC); data for 1948-1970 are based on the 1957 SIC System. For all series, data for 1948 are shown according to both systems. See reference in general note for series T 1-491.

T 15-28. Persons engaged in distribution and selected service industries, 1869-1970.

Source: 1869-1919, see source for series T 1-14; 1929-1970, see sources for series T 1-14, table 6.6.

These figures are in terms of full-time equivalent employment, which measures man-years of full-time employment and its equivalent work performed by part-time workers. Full-time employment is defined simply in terms of the number of hours which is customary at a particular time and place. For a full explanation of the concept, see U.S. Office of Business Economics, Survey of Current Business, June 1945, pp. 17 and 18.

Unpaid family workers are excluded due to unresolved difficulties in their definition and measurement.

For explanation of the two series presented for 1948, see the text for series T 1-14.

T 29-42. Average annual earnings per full-time employee in distribution and selected service industries, 1929-1970.

Source: U.S. Bureau of Economic Analysis (formerly Office of Business Economics), 1929–1963, The National Income and Product Accounts of the United States, 1929–1965, table 6.5; 1964–1967, U.S. National Income and Product Accounts, 1964–67, table 6.5; 1968–1970, Survey of Current Business, July 1972, table 6.5.

For definition of full-time employment, see text for series T 15-28.

Average annual earnings per full-time employee measures wageand-salary income per man-year of full-time work. Wages and salaries comprise all payments accruing to persons in an employee status as compensation for their work. They include commissions, tips, and bonuses, as well as cash payments commonly referred to as wages and salaries, together with the value of those payments in kind that clearly represent an addition to the recipient's income. Income in kind is valued, so far as possible, at its cost to the employer. Service industries in which it is a perceptible portion of wages and salaries include hotels and other lodging places and educational services.

Series T 29-42 do not include dismissal pay, directors' fees, employer contributions to social insurance funds and private pension plans, nor accident compensation payments.

For further details, see Survey of Current Business, June 1945, pp. 17 and 18.

T 43-57. Distribution and selected services, legal form of organization, 1935-1967.

Source: U.S. Bureau of the Census. 1935, U.S. Census of Business: 1935, Wholesale Distribution, vol. 1, p. 119. 1939, Sixteenth Census of the U.S.: 1940, Census of Business: 1939, vol. I, p. 71; vol. II, p. 200; and vol. III, p. 104. 1948, U.S. Census of Business: 1948, vol. I, p. 6.05; vol. IV, p. 5.02; and vol. VI, p. 5.02. 1954, U.S. Census of Business: 1954, vol. I, p. 5-2; vol. III, p. 7-2; and vol. V, p. 5-2. 1958, U.S. Census of Business: 1954, vol. III, p. 5-2; and vol. V, p. 5-2. 1963, 1963 Census of Business, vol. III, p. 5-1; vol. IV, p. 7-1; and vol. VI, p. 5-1. 1967, 1967 Census of Business, BC67-RS5, p. 5-103; BC67-WS8, p. 8-126; and BC67-SS8, p. 8-57.

Each establishment included in the censuses of business was classified into one of the following legal forms of organization: (1) Individual proprietorship—an establishment owned by one person, who may or may not actively participate in the operation of the business. (2) Partnership--an establishment owned by two or more persons each of whom has a financial interest in and responsibility for the business. Any partner may or may not actively participate in the operation of the business. (3) Corporation--an establishment (other than a cooperative) owned by an organization or company legally incorporated under State laws. In the 1939 and 1948 censuses of business, cooperative associations incorporated under either regular corporation laws or under the special cooperative association laws of the States were classified as corporations. Beginning with the 1954 Census of Business, a separate legal form was established for cooperatives. (4) Cooperative - an establishment owned by an association of customers of the establishment whether or not they are incorporated. In general, the distinguishing features of a cooperative are patronage dividends based on the volume of expenditures by the member, and a limitation of one vote per member regardless of the amount of stock owned. The establishments are open to the public as a rule, but generally are patronized primarily by members of the association operating the business. In the 1939 and 1948 censuses of business, cooperatives were defined as either "corporations," if the cooperative was incorporated, or as "other legal forms." Other legal forms—These are establishments whose legal form of organization is not one of those defined above. Included in this legal form are liquor stores owned or operated by State, county, or municipal governments, and other miscellaneous ownership types such as estates, receiverships, some nonprofit organizations, and joint ventures. In the 1939 and 1948 censuses of business, cooperatives not incorporated were also included in this category.

T 58-78. Book value of inventories at end of year, 1929-1970.

Source: U.S. Bureau of Economic Analysis (formerly Office of Business Economics). Series T 58-66: 1938, unpublished data; 1939-1946, 1969 Business Statistics, p. 63; 1947-1967, 1971 Business Statistics, p. 63; 1968-1970, Survey of Current Business, December 1971, p. 55. Series T 67-69: 1938-1945, 1953 Business Statistics, p. 16; 1946-1947, unpublished data; 1948-1970, 1971 Business Statistics, p. 24. Series T 70-78: 1929-1952, 1957 Business Statistics, pp. 17-20 except for series T 70, T 71, and T 75 for 1947-1952, which are revised figures from unpublished data; 1953-1970, 1971 Business Statistics, pp. 30-33.

In these series, trade inventories are valued at the cost of merchandise on hand; manufacturers' inventories at cost or market price, whichever is lower. About 15 percent of manufacturers' inventories are valued on a last-in-first-out basis; this basis is much less prevalent in trade, although it is used extensively by department stores. Changes in book values reflect changes in unit costs as well as changes in physical quantities.

Retail store inventories, series T 58-66, for 1938-45 were linked to the census of business for 1939 and 1948, the Internal Revenue Service's Statistics of Income, and Federal Reserve Board data on department store inventories. Data for 1946-1970 are based on sample information which is used to extrapolate year-end estimates from the 1952-1970 Annual Retail Trade Reports of the Bureau of the Census. Adjustments have been made to the data from 1961 forward to make them directly comparable to retail sales estimates derived from a new sample introduced in 1968.

Inventories of merchant wholesalers, series T 67-69, include wholesalers of farm products and raw materials. Figures for 1938-1946 include some types of nonmerchant wholesalers and are not comparable with data for later years. Figures for 1947-1958 are adjusted to the levels of the 1958 Census of Business sample from data based on samples selected from the 1948 and 1954 censuses of business. Figures for 1959 and later years are based on a sample designed to conform to the 1963 Census of Business. Inventories are valued at the cost of merchandise on hand; changes thus reflect changes in unit prices as well as changes in physical quantities.

Manufacturers' inventories for 1929–1946, series T 70, 71, and 75, and inventories by stage of fabrication for 1938–1952, series T 72–74 and T 76–78, are based on a sample of manufacturing companies. The data were collected by the Office of Business Economics and benchmarked to Internal Revenue Service's Statistics of Income reports. These data are not directly comparable to the series for later years because of differences in the conceptual basis of the two series, particularly in figures for inventories by stage of fabrication. Total manufacturers' inventories for 1947–1970 and inventories by stage of fabrication for 1953–1970 are based on sample reports collected from manufacturers by the Bureau of the Census and benchmarked to establishment data from its Annual Survey of Manufactures, which is benchmarked to the Census of Manufactures.

T 79-196. Retail establishments, sales, and persons engaged, by kind of business, 1929-1967.

Source: U.S. Bureau of the Census. 1929, Fifteenth Census of the United States, 1930, Distribution, vol. I, Retail Distribution, part 1. 1933, Census of American Business: 1933, United States Summaries; 1935, Census of Business: 1935, Retail Distribution, part 1, vol. I, U.S. Summary; 1939, Sixteenth Census of the United States, 1940, Census of Business, vol. I, Retail Trade: 1939, part 1; 1948, Census of Business: 1948, vol. I, Retail Trade, General Statistics, part 1; 1954, Census of Business: 1954, vol. I, Retail Trade—Summary Statistics; 1958, Census of Business: 1958, vol. I, Retail Trade—Summary Statistics; 1963, Census of Business: 1963, vol. I, Retail Trade—Summary Statistics, part 1; 1967, Census of Business: 1967, vol. I, Retail Trade—Subject Reports.

Stores are classified according to their principal kind of business. Where a number of lines are carried, changes in relative importance

may serve to shift a particular establishment from one category to another between censuses. Sales figures shown are for kinds of establishments, *not* kinds of products.

Certain of these series have been adjusted or combined for some years prior to 1958, by Professors Charles S. Goodman and Reavis Cox (presently and formerly, respectively) of the Wharton School of Finance and Commerce, University of Pennsylvania, in order to provide historical series that are as comparable as possible. Figures for 1933, in particular, have been adjusted for comparability. The reports of the census of business provide considerably more detail as to kinds of business.

Sales and excise taxes are included in sales figures for 1954 and later years and excluded for 1948 and 1939.

Figures for persons engaged represent the total of the reported number of active proprietors and employees for the week including March 12 for 1967, of active proprietors and employees for the payroll period ended nearest November 15 for 1939–1963, and of active proprietors plus the average annual number of full-time and part-time employees for 1939 and earlier years. Unpaid family workers are excluded from figures for persons engaged.

Establishments without paid employment and with less than \$2,500 sales were excluded in 1954 and 1958. The 1948 figures exclude stores which operated the entire year but had sales of less than \$500. The corresponding cutoff point for 1939 was \$100. Non-employer establishments which did not operate the entire year were included in 1963 and 1967 if their receipts during the period they operated were at a rate which would have reached an annual total of \$2,500 or more had they operated the entire year.

There have been many changes in enumeration methods, in accuracy, and in classifications over the years. The principal ones are noted here; others are described in the various census volumes. Users of the data are cautioned to consult original sources for more complete discussion of factors affecting the comparability of data. The 1954 and subsequent censuses were conducted by mail canvasses of all firms included in the active records of the Internal Revenue Service as subject to the payment of Federal Insurance Contributions Act (FICA) taxes and which were in appropriate kind-of-business classifications. Such data cover only firms with paid employees. The nonemployer segment was derived from a 50-percent sample of 1954, 1958, and 1963 tax returns. This procedure was modified for the 1967 census by the use of tax records instead of census returns for small employers, and the use of tax records for all nonemployers rather than for a 50-percent sample. The 1948 and earlier censuses were conducted by field enumeration. The differences in enumeration affect particularly the coverage of establishments without easily recognized places of business (e.g., nonstore retailers) and those leaving business prior to the end of the year. The data for the 1954 and subsequent censuses thus have better coverage in these areas. The 1933 and 1935 censuses were not taken under mandatory reporting requirements and may be subject to some underenumeration.

Dairies which processed milk and cream were included as retailers in 1948 and earlier years if the major portion of their sales was by route delivery to the homes of consumers. They were excluded in 1954 and later years.

Nonstore retailers are treated as a separate kind of business for 1954 and later years. For earlier years, such retailers (to the extent enumerated) were classified in their appropriate kind of business. For 1954, each leased department is treated as a separate establishment; for all other years, data for such departments were consolidated with the establishments in which they were located.

Two sets of data are shown for 1948. The data for 1948 (comparable with later years) represent retabulations of 1948 data to make them comparable with later years as to treatment of dairies, nonstore retailers, and cutoff points for tabulation. Similarly, two sets of data are shown for the number of persons engaged in retail establishments in 1939. The data for 1939 (comparable with later years) represent the sum of active proprietors and paid employees for the payroll period ended nearest November 15 and are comparable with

data for 1948 and later years. The figures for 1939 (comparable with earlier years) represent the number of active proprietors and the average number of employees for the year, and are comparable with data for 1935 and earlier years.

T 197-219. Retail sales of stores of multiunit retail firms, by kind of business, 1929-1970.

Source: U.S. Bureau of Economic Analysis (formerly Office of Business Economics), 1929–1938, unpublished data; 1939–1970, 1971 Business Statistics, p. 64, and unpublished data, except 1970 (new basis) and 1960 (old basis) from U.S. Bureau of the Census, Monthly Retail Trade Report, January 1961 and December 1971 issues.

For 1929-1951, these series were originally designated as "Retail Sales of Chain Stores and Mail-Order Houses" and represent sales of firms with 4 or more retail stores. Data from the census of business for 1929, 1933, 1935, 1939, and 1948 were used as benchmarks. The intercensal estimates were based on sample groups of organizations with 4 or more stores.

For 1951-1970, the series are based on a sample of firms which operated 11 or more retail units in the most recently available census. Adjustments reflecting changes in industry classification, and in the firms to be included in the sample, were made for 1956 based on 1954 census results; for 1960 based on the 1958 census; for 1964 based on the 1963 census; and for 1970 based on the 1967 census.

Since no adjustments were made for entries and exits from the "11 or more" category between censuses, the data shown cannot be subtracted from total retail sales to obtain sales by organizations operating 10 or fewer stores.

T 220-224. Chains and chain stores, 1872-1928.

Source: U.S. Federal Trade Commission, Chain Stores: Growth and Development of Chain Stores (72d Congress, 1st session, Senate Document No. 100), p. 80.

Figures include chains of two or more stores reporting to the Federal Trade Commission or known to that agency. Grocery and meat chains have been combined with grocery chains. Ready-to-wear chains include men's ready-to-wear chains, women's ready-to-wear chains, and men's and women's ready-to-wear chains but not chains specializing in furnishings, accessories, millinery, and the like, nor dry goods chains whether carrying apparel or not. Data for each of the 26 lines of business shown in the total column are found in the source. The source publication also contains estimates of the number of chain outlets in different years but such data embody substantial estimating difficulties.

T 225-244. Retail trade margins, by kind of store, 1869-1947.

Source: Harold Barger, Distribution's Place in the American Economy Since 1869, National Bureau of Economic Research, Princeton University Press, 1955, pp. 57, 60, and 81 (copyright).

The retail margin estimates are shown as a percent of retail value of sales, and include both net profit and expenses of doing business. With regard to the reliability of the data, the source volume notes that "because of the extremely heterogeneous nature of the source material, it is not possible to offer any measures of dispersion within categories for the data." The source concludes, however, that we may "have some confidence that at least the larger differences reported . . . have a real existence."

T 245-271. Retail store sales, by kind of business, 1929-1970.

Source: U.S. Bureau of Economic Analysis (formerly Office of Business Economics), 1929–1938, unpublished data; 1939–1946, 1969 Business Statistics, pp. 58–59; 1947–1967, 1971 Business Statistics, pp. 58–59; 1968–1970, Survey of Current Business, December issues.

Sales figures include multiunit stores. The classification of durable

goods stores and nondurable goods stores is based on the durability of the commodities accounting for a major portion of the sales of each kind-of-business group. Data from censuses of retail trade were used as benchmarks for annual 1929-1946 data. Estimates for intercensal years in this period were developed from sales tax collection data, special Internal Revenue Service compilations, business population trends, the Federal Reserve Board index of department store sales, and data from the Bureau of Public Roads and the American Petroleum Institute. Methods of compilation are described in 1969 Business Statistics, p. 58.

Data for 1946-1961 were based on a new method of estimating retail sales and are not comparable with those shown for prior years. Estimates of retail sales were developed from a sample representing all sizes of stores, firms, or organizations, and all kinds of retail busi-These data were not linked to a census of retail trade as were the old, a factor that accounts for most of the difference between the levels of retail sales indicated by the old and new series for 1946. In 1957 the data were revised back to January 1951 to exclude milk dealers engaged in processing on the premises. (This change conforms with the treatment of such establishments as manufacturing plants in the 1954 Census of Business.) Data for 1961-1970 reflect a new sample design and classification changes resulting from the 1963 census. In addition, data by kind-of-business group were revised by shifting all "nonstore" establishments into the general merchandise group. Nonstore establishments (mail order, house-to-house, and vending machine businesses) were previously shown in such kind-ofbusiness groups as food, eating and drinking places, and furniture and appliance. The sampling procedure for the new series is described in 1971 Business Statistics.

T 272-273. Index of department store sales and stocks, 1919-1970.

Source: Board of Governors of the Federal Reserve System, unpublished data.

The index for sales is based on the average per trading day. The stocks index is the annual average of monthly data of end-of-month stocks

T 274-371. Wholesale establishments, sales, operating expenses, and persons engaged, by kind of business, 1929-1967.

Source: U.S. Bureau of the Census. 1929, Fifteenth Census of the United States, 1980, Distribution, vol. II, Wholesale Distribution; 1933, Census of American Business: 1933, United States Summaries; 1935, Census of Business: 1985, Wholesale Distribution, part 1, vol. I, U.S. Summary; 1939, Sixteenth Census of the United States, 1940, Census of Business, vol. II, Wholesale Trade: 1939; 1948, Census of Business: 1948, vol. IV, Wholesale Trade—General Statistics and Commodity Line Sales Statistics; 1954, Census of Business: 1954, vol. III, Wholesale Trade—Summary Statistics; 1958, Census of Business: 1958, vol. III, Wholesale Trade—Summary Statistics; 1963, Census of Business: 1963, vol. IV, Wholesale Trade—Summary Statistics, part 1; 1967, Census of Business: 1967, vol. III, Wholesale Trade—Subject Reports.

Data shown are for wholesale establishments, other than chain store warehouses. Adjustments have been made in the data prior to 1958 for certain years by Professors Charles S. Goodman and Reavis Cox (presently and formerly, respectively) of the Wharton School of Finance and Commerce, University of Pennsylvania, in order to attain maximum comparability.

Data for persons engaged represent the total of the reported number of active proprietors and employees for the week including March 12, for 1967; of active proprietors and employees for the payroll period nearest November 15, for 1948–1963; and of active proprietors plus the average annual number of full-time and part-time employees for 1939 and earlier years.

There have been numerous changes over the years in the definitions of kinds of business, scope of the census (especially size minimums for enumeration), enumeration methods, and completeness of data. The statistics shown have been adjusted where possible to maintain maximum comparability over time. Significant changes are noted below. For treatment of lesser differences, see source publications.

The 1954 and later censuses were conducted by mail canvass. Report forms were mailed to all firms included in the active records of the Internal Revenue Service as subject to the payment of Federal Insurance Contributions Act (FICA) taxes and which were classified in appropriate kinds of business or were unclassified at the time the forms were mailed. Data for such censuses, therefore, omit all wholesalers who had no employees subject to FICA taxes. The 1948 and earlier censuses were conducted by field canvasses and were restricted to firms which operated from recognizable places of business, whether or not they had any employees subject to FICA taxes. The 1933 and 1935 censuses were not taken under mandatory reporting requirements and may therefore be subject to some underenumeration.

Data for 1954 and later years are for establishments with paid employees. The original 1948 tabulations include all establishments with sales of \$5,000 or more irrespective of employment. For 1939, the corresponding cutoff point was \$500. No mention of cutoff point is made in sources of data for years prior to 1939.

The figures for 1948 (comparable with later years) have been revised to reflect 1954 coverage and to incorporate certain changes in classification.

The figures for 1963 (comparable with later years) have been revised to reflect the scope of the 1967 Census of Business. Significant changes are (1) kinds of business data for 1967 are in accordance with the 1967 edition of the U.S. Office of Management and Budget (formerly Bureau of the Budget) Standard Industrial Classification Manual, whereas the 1963 data are in conformity with the 1957 edition and its supplements; (2) the number of paid employees in 1967 was obtained from administrative records of the Internal Revenue Service while, in 1963, all census information was obtained directly from the companies; and (3) the number of active proprietors for 1967 is based on crediting sole proprietorships with one proprietor and partnerships with two proprietors for firms with first quarter 1967 payroll; for 1963, on crediting proprietors similarly but for all sole proprietorships and partnerships operated at any time during 1963.

T 372-374. Sales of wholesale establishments, 1939-1962.

Source: U.S. Bureau of Economic Analysis (formerly Office of Business Economics), 1939–1946, Survey of Current Business, October 1951, p. 24; 1946–1962, unpublished data (monthly averages published in 1963 Business Statistics, p. 22).

These estimates exclude sales of corporate manufacturers, sales branches and offices, and the marketing stations of petroleum refiners which are included in the manufacturing series of the former Office of Business Economics. Sales of agents and brokers are included here on the basis of actual receipts of the agents and brokers rather than on the total value of goods sold. For 1939–1946, data are based on 1948 Census of Business definitions and classifications. The 1939 census data have been recast to conform to the 1948 census. Data for 1946–1962 are based on definitions and classifications in the 1954 Census of Business, with the 1948 census data adjusted to the scope of the 1954 census.

T 375-383. Sales, stocks, and stock-sales ratios of merchant whole-salers, 1948-1970.

Source: U.S. Bureau of Economic Analysis (formerly Office of Business Economics), 1971 Business Statistics, p. 23.

The estimates are confined to merchant wholesalers since information on other types of wholesalers is not available except for years when the census of wholesale trade was taken. The 1963 Census of Business (to which the merchant wholesale data conform for the period since 1959) indicated that merchant wholesalers accounted for 44 percent of the sales and 74 percent of the inventories of all wholesale establishments.

The data exclude manufacturers' sales branches and sales offices, petroleum bulk stations and terminals, agents and brokers, and assemblers of farm products.

Sales include sales of merchandise and receipts from repairs or other services to customers, after deduction of returns, allowances, and discounts; and sales of merchandise for others on a commission basis. Local and State sales taxes and Federal excise taxes are included. Inventories represent stocks, at cost, of merchandise on hand for sale at the end of the month; they do not include goods held on a consignment basis or such items as fixtures, equipment, and supplies not held for sale.

The stock-sales ratios for a given year are derived by dividing the weighted average of seasonally adjusted end-of-month inventories (using the 13 observations including the yearend figures for the given and previous year) by the monthly average sales for that year. No adjustments have been made to bring inventory book values, which are typically valued at the lower of cost or market, up to the level of selling prices.

Figures for 1948–1958 are based on samples selected from the 1948 and 1954 censuses of business, and were adjusted by the former Office of Business Economics to the level of the sample selected from the 1958 Census of Business and Social Security Administration lists of wholesalers since 1958. These estimates are extrapolations based on data collected by the Census Bureau in the past, compiled with different samples.

In February 1966 a revised sample was introduced which included over 17,000 firms drawn from 1963 Census of Business lists representing all wholesalers (with paid employees) in business in 1963, and Social Security Administration lists of wholesalers (with paid employees) entering business (or requesting new Employer Identification numbers) since 1963. The Office of Business Economics in cooperation with the Bureau of the Census applied ratios calculated from the overlapping data to the previous estimates for 1959 through 1965 to make them comparable with the 1966 figures.

T 384-390. Wholesale trade margins of independent wholesalers, 1869-1947.

Source: See source for series T 225-244, p. 84.

See text for series T 225-244 for definition of "margin" and statement regarding reliability of the data.

Independent or regular wholesalers are types of wholesalers handling finished goods or construction materials for eventual distribution through some kind of retail outlet. This category excludes other kinds of wholesalers, such as brokers, commission merchants, manufacturers' sale branches, and chain-store warehouses.

T 391-443. Selected service establishments and receipts, 1929-1967.

Source: U.S. Bureau of the Census. 1929, unpublished data; 1933, Census of American Business: 1933, United States Summaries; 1935, Census of Business: 1935, Service Establishments, vol. I, U.S. Summary and Census of Business: 1935, Miscellaneous; 1939, Census of Business: 1939, vol. III, Service Establishments; 1948, Census of Business: 1948, vol. VI, Service Trade—General Statistics; 1954, Census of Business: 1954, vol. V, Selected Service Trades—Summary Statistics; 1958, Census of Business: 1958, vol. V, Selected Services—Summary Statistics; 1963, Census of Business: 1963, vol. VI, Selected Services—Summary Statistics; 1967, Census of Business: 1967, vol. V, Selected Services—Area Statistics, part 1.

Certain series have been combined for some years in order to provide as comparable historical series as possible. For some of the series, as noted below, data for some years were collected in other census programs. The series presented here cover that very limited segment of the services sector which bears greatest similarity to retail trade, specifically, personal, repair, and automotive services; hotels; and motels.

There have been numerous changes in enumeration methods, in accuracy, and in classifications over the years. The principal ones

are noted here; others can be noted by reference to the various census volumes. The 1954 and later censuses were conducted by mail canvasses of firms included in the active records of the Internal Revenue Service as subject to the payment of Federal Insurance Contributions Act (FICA) taxes and which were in appropriate kind-of-business classifications. Such data cover only firms with paid employees. The nonemployer segment was derived from a 50-percent sample of 1954, 1958, and 1963 tax returns. In the 1967 census, data for all nonemployers were compiled from tax records. The 1948 and earlier censuses were conducted by field enumeration. The differences in enumeration methods affect particularly the coverage of establishments without easily recognizable places of business and those leaving business prior to the end of the year. The 1954-1967 data are thus more complete in those areas. The 1933 and 1935 censuses were not taken under mandatory reporting requirements and may therefore be subject to some underenumeration. There are important gaps in enumerators' reports for 1933 so that substantial underenumeration, particularly of the smaller establishments, exists for 1933. Underenumerations have more effect on the number of establishments than on receipts.

In the 1963 and 1967 censuses, nonemployer establishments which did not operate the entire year have been included if, during the period they operated, their receipts were at a rate which would have reached an annual total of \$1,000 or more had they operated the entire year. Establishments without paid employment and with less than \$1,000 receipts were excluded in 1954 and 1958 tabulations. The data for 1948 (comparable with later years) show 1948 figures adjusted to this cutoff point. The data for 1948 (comparable with earlier years) exclude establishments which operated the entire year but had receipts less than \$500. For 1939 and earlier years establishments having receipts of \$100 or more are included (except as noted). Where two estimates are shown for 1939, the figures for 1939 (comparable with later years) represent a revision to conform to 1948 kind-of-business definitions.

Receipts for 1954 and later years include sales and excise taxes; receipts for 1948 and 1939 exclude them.

Establishments are classified according to their principal kinds of business. Changes in relative importance may thus serve to shift particular establishments among service categories or between service and retailing classifications from one census to another. Many service establishments derive some receipts from sales of merchandise; conversely, many establishments primarily engaged in the sale of goods, and hence included in retail trade, obtain some income from services. Receipts reported in each case represent total receipts of establishments comprising the classification, not receipts for the particular service indicated.

T 402-403, total personal services. Data for 1933 and 1935 represent groupings that correspond most closely to the 1939 scope.

T 410-411, photographic studios. Since the 1954-1967 data were obtained by mail canvass, they are believed to be substantially more complete than data for earlier years. For this industry, non-recognizable establishments are likely to result in substantial underenumeration in a field canvass.

T 412-417, laundry, cleaning, and garment services. Included in series T 412 are power laundries, cleaning plants, press shops, linen supply, diaper service, industrial launderers, garment repair, and hand laundries. For 1933 and 1935, power laundries and dry cleaning plants with receipts of less than \$5,000 were omitted. While series T 414 does not include the count of outlets owned and operated by dry cleaning plants, series T 415 does include the receipts of such outlets.

T 426-427, automobile repair shops. Data for 1935 include specialized shops as enumerated in the census of service establishments, and general repair garages as enumerated in the 1935 Census of Business, Retail Distribution, table 1A. Data for 1933 cover only general repair garages, as enumerated in the 1933 Census of American Business, Retail Distribution, table 1A, and the following types of

specialized shops as reported in 1933 Census of American Business, Service Industries: Paint shops, radiator shops, top and body repair shops, tire repair shops, and brake repair shops.

T 434-437, miscellaneous repair services. Separate data are available for some or all of the indicated years for several of the repair services in this group including shops engaged in armature rewinding, bicycle repair, blacksmithing, harness and leather goods repair, musical instrument repair, saw and tool repair, typewriter repair, upholstering and furniture repair, watch, clock, and jewelry repair, etc. Since the 1954-1967 data were obtained by mail canvass, they are believed to be substantially more complete than data for earlier years. In these industries, nonrecognizable establishments are likely to result in substantial underenumeration in a field canvass.

T 438-439, hotels, tourist courts, motels, trailer parks, and camps. Data for 1954-1967 are for establishments with payrolls only.

T 444-471. Volume of advertising, by medium, 1867-1970.

Source: Printers' Ink Publications, New York, N.Y., 1867-1934, Printers' Ink Advertisers' Annual, 1955 edition; 1935-1968, Printers' Ink Advertisers' Guide to Marketing, annual issues; 1969 and 1970, Marketing/Communications, July 1971.

The data were prepared by Robert J. Coen of McCann-Erickson, Inc., from information furnished by the American Newspaper Publishers Association, A. C. Nielsen Company, Publishers' Information Bureau, Farm Publication Reports, Inc., the Direct Mail Advertising Association, A. R. Venezian, Outdoor Advertising, Inc., and the Federal Communications Commission.

The data include the cost of preparation, and the cost of talent in the case of radio and television as well as the charges for space and time.

T 472-484. Indexes of national advertising expenditures, by medium, 1935-1970.

Source: Compiled by Robert J. Coen of McCann-Erickson, Inc., from annual dollar figures prepared and published in *Advertising Age*, Crain Communications, Inc., Chicago.

The general index, series T 472, is designed to reflect the changes in advertising dollar expenditures by national advertisers in major media. The national advertiser is usually a manufacturer of a product or service who does business in many markets across the country. National advertisers usually place their advertising through the facilities of an advertising agency and national media sales representative.

The index numbers for all media are based on estimates of the total expenditures made by advertisers to cover space and time charges as well as charges for programming, art and mechanical production expenses, and all commercial production items.

Estimates for the individual media are developed according to several general sources. Broadcast media estimates are derived from the financial reports of the Federal Communications Commission (FCC). The FCC provides comprehensive data on time sales revenue and also program revenue for network television, network radio, spot television, and spot radio. Adjustments are made to these figures to include additional allowances for commercial production expenses and some programming and talent charges not channeled through the stations or networks.

Magazine estimates are primarily based on the reports of the Publishers Information Bureau. Newspaper estimates are primarily based on the reports provided by the Bureau of Advertising of the American Newspaper Publishers Association. Business publications estimates are developed from data collected by the American Business Press. Outdoor estimates are developed from data provided by the Institute of Outdoor Advertising.

The above sources relate to the figures for the most recent years.

In some cases older historical data were derived from sources that are no longer in existence. All data are adjusted and linked in order to make the historical series comparable from year to year.

Data for all media include Alaska and Hawaii as well as expenditures for media in outlying areas of the United States.

T 485-491. Newspaper advertising-linage for 52 cities, 1928-1970.

Source: U.S. Bureau of Economic Analysis (formerly Office of Business Economics). 1928-1938, unpublished data; 1939-1946, 1969 Business Statistics, p. 57; 1947-1970, 1971 Business Statistics, p. 57.

Data represent newspaper linage in all newspapers, daily and Sunday, in the following 52 cities: Akron, Albany, Albuquerque, Atlanta, Baltimore, Birmingham, Boston, Buffalo, Chicago, Cincinnati, Cleveland, Columbus, Dallas, Dayton, Denver, Detroit, El Paso, Fort Worth, Hartford, Houston, Indianapolis, Jacksonville, Knoxville, Los Angeles, Memphis, Milwaukee, Minneapolis, Nashville, New Orleans, Oakland, Oklahoma City, Omaha, Pittsburgh, Portland (Oreg.), Reading, Richmond, Rochester, Salt Lake City, San Antonio, San Diego, San Francisco, Seattle, South Bend, Spokane, St. Louis, Syracuse, Tacoma, Toledo, Tulsa, Washington, Worcester, and Youngstown.

Series T 1-14. National Income Originating in Distribution and Selected Service Industries: 1869 to 1970 [In millions of dollars. Data represent net value added at factor costs]

Year	Whole- sale trade	Retail trade ¹	Hotels and other lodging places	Personal services	Miscel- laneous business services	Automobile repair, services, and garages ¹	Miscel- laneous repair services	Motion pictures	Amuse- ment and recreation, except motion pictures	Medical and other health services	Legal services	Educa- tional services	Miscel- laneous profes- sional services	Nonprofit member- ship organiza- tions
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1970 1969 1968 1967 1966	41 872	76,473 72,939 67,675 62,280 58,012	4,204 4,051 3,744 8,435 3,192	7,417 7,384 7,265 6,955 6,570	13,888 12,980 11,490 10,600 9,547	3,621 8,449 3,106 2,879 2,637	2,121 2,092 1,866 1,785 1,689	1,551 1,465 1,535 1,350 1,348	3,239 2,863 2,783 2,512 2,419	29,775 26,604 28,250 20,640 18,075	6,426 5,631 5,114 4,820 4,522	7,292 6,648 5,975 5,394 4,719	9,886 9,092 8,009 7,397 6,552	8,411 7,762 6,955 6,346 5,785
1965 1964 1963 1962 1961	30,341 28,656 26,768 25,505 24,243	53,961 50,663 46,646 44,823 42,006	2,788 2,577 2,423 2,270 2,134	5,993 5,691 5,282 5,086 4,795	8,413 7,490 6,614 6,122 5,541	2,450 2,368 2,174 2,017 1,824	1,501 1,878 1,315 1,227 1,181	1,205 1,053 910 890 933	2,221 2,120 1,970 1,849 1,789	16,256 14,865 18,519 12,609 11,482	4,069 3,724 3,424 3,162 2,982	4,191 3,768 3,374 3,010 2,713	5,719 5,231 4,743 4,385 4,011	5,306 4,907 4,562 4,298 4,041
1960 * 1959 1958 1957 1956	20,814	41,270 40,622 37,492 36,929 35,480	2,111 2,048 1,885 1,905 1,812	4,608 4,462 4,236 4,195 3,916	5,093 4,735 4,088 3,848 3,493	1,762 1,616 1,445 1,322 1,336	1,105 1,072 998 1,037 973	894 908 828 899 949	1,661 1,492 1,369 1,285 1,196	10,731 9,974 9,046 8,275 7,530	2,636 2,488 2,231 2,131 1,979	2,449 2,208 2,040 1,887 1,723	3,761 3,598 3,339 3,287 2,850	3,870 3,620 3,878 3,120 2,873
1955 1954 1953 1952 1951	17,841 15,825 15,777 15,598 15,376	84,429 82,426 81,487 81,087 29,715	1,717 1,623 1,592 1,557 1,464	3,661 3,500 3,416 3,277 8,164	3,011 2,672 2,484 2,204 1,945	1,172 1,034 1,012 958 932	873 822 833 812 750	979 953 849 869 877	1,121 1,039 984 880 820	7,097 5,874 5,801 5,273 4,827	1,926 1,758 1,606 1,515 1,455	1,524 1,405 1,300 1,222 1,170	2,824 2,026 1,984 1,776 1,504	2,675 2,486 2,310 2,096 1,971
1950 1949 1948 ² 1948 ³ 1947 1946	12,187 12,857 13.083	27,636 26,848 27,004 28,591 25,872 24,156	1,388 1,362 1,341 1,341 1,289 1,320	3,021 2,908 2,840 2,840 2,640 2,561	1,684 1,474 1,439 1,859 1,641	864 841 908	665 648 701 934 934 837	866 885 902 902 1,045 1,128	788 803 830 830 796 815	4,412 4,045 3,925 4,020 3,542 3,025	1,344 1,257 1,176 1,176 1,036 957	1,109 1,040 972 865 810 658	1,252 1,164 1,140 782 589 480	1,803 1,686 1,492 1,492 1,308 1,193
1945 1944 1943 1942 1941		19,766 18,121 16,959 14,200 12,135	1,087 990 878 675 585	2,121 2,015 1,899 1,552 1,292			703 701 610 419 350	929 882 830 652 513	613 507 436 388 368	2,459 2,341 1,988 1,806 1,575	930 874 814 793 763	569 532 503 461 439	335 320 344 385 264	983 916 819 716 640
1940 1939 1938 1937 1936	4,500 3,876 3,845 3,971 3,287	9,960 8,728 8,251 8,383 7,481	532 485 460 473 418	1,154 1,058 1,028 1,113 962	668 642 601 610 578		261 261 259 247 230	448 434 426 437 391	310 288 266 305 253	1,463 1,381 1,330 1,323 1,253	719 692 666 680 647	424 415 409 394 376	193 181 164 156 144	599 556 556 547 546
1935 1934 1938 1932 1981	2,972 2,545 1,810 2,201 3,221	6,436 5,765 3,815 4,331 6,690	383 361 291 335 465	865 790 707 814 1,040			218 203 191 228 276	329 283 210 194 361	211 197 154 177 268	1,115 1,036 948 1,037 1,306	624 600 561 591 701	365 361 363 393 412	121 118 98 102 152	528 532 527 569 626
1980 1929 ² 1929 ⁸ ⁴ 1919 ⁴	4,085 4,261 4,120 3,130 1,300	8,272 9,250 8,960 5,920 2,320	577 623	1,218 1,287	568 568		306 315	438 440	836 379	1,476 1,536	683 689	413 402	184 206	649 640
1899 4 1889 4 1879 4 1869 4	810 360 220 210	1,340 1,020 560 500												

^{*} Denotes first year for which figures include Alaska and Hawaii.

1 For 1948 and prior years, "Automobile repair, services, and garages" included with "Retail trade."

 ² Comparable with later years.
 ³ Comparable with earlier years.
 ⁴ Excludes inventory valuation adjustment.

DISTRIBUTION AND SERVICES

Series T 15-28. Persons Engaged in Distribution and Selected Service Industries: 1869 to 1970

[In thousands. Data represent man-years of full-time equivalent employment by persons working for wages or salaries and by active proprietors of unincorporated businesses devoting the major portion of their time to the business]

Year	Whole- sale trade	Retail trade ¹	Hotels and other lodging places	Personal services	Miscel- laneous business services	Automobile repair, services, and garages ¹	Miscel- laneous repair services	Motion pictures	Amuse- ment and recreation, except motion pictures	Medical and other health services	Legal services	Educa- tional services	Miscel- laneous profes- sional services	Nonprofit member- ship organiza- tions
	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1970	3,838	11,386	799	1,452	1,627	512	324	191	523	3,359	405	1,271	850	1,387
1969	3,767	11,157	793	1,468	1,573	500	312	193	505	3,176	383	1,247	814	1,358
1968	8,647	10,730	760	1,485	1,442	492	306	186	488	2,996	371	1,210	745	1,318
1967	3,561	10,374	732	1,488	1,353	483	295	185	469	2,813	368	1,162	698	1,273
1966	3,487	10,118	722	1,482	1,255	465	304	179	448	2,654	363	1,093	662	1,218
1965	3,358	9,813	704	1,424	1,144	456	300	173	433	2,479	346	1,036	617	1,175
1964	3,252	9,483	683	1,394	1,056	446	294	169	426	2,350	338	989	590	1,128
1963	3,180	9,179	662	1,360	982	426	287	168	414	2,239	827	947	565	1,103
1962	3,141	9,132	652	1,333	928	407	279	170	401	2,128	327	902	545	1,082
1961	3,100	9,077	641	1,311	860	394	279	177	384	2,041	314	861	518	1,042
1960 *	3,090	9,209	639	1,289	810	388	265	179	370	1,968	310	823	503	1,028
1959	3,018	9,041	624	1,250	754	359	259	185	348	1,895	298	779	489	983
1958	2,966	8,902	612	1,258	678	350	265	188	331	1,807	277	743	468	948
1957	2,976	9,002	625	1,280	654	333	268	203	320	1,719	266	703	482	911
1956	2,953	8,955	621	1,248	609	822	259	213	316	1,642	262	658	456	885
1955	2,842	8,750	618	1,223	549	310	249	216	307	1,558	257	625	404	843
1954	2,795	8,541	641	1,218	500	302	240	218	296	1,484	254	588	383	801
1953	2,820	8,660	656	1,223	486	305	255	221	297	1,417	251	564	878	780
1952	2,793	8,605	638	1,230	455	308	264	228	291	1,355	246	543	354	750
1952	2,740	8,505	625	1,232	425	306	254	233	294	1,307	243	530	314	738
1950 1949 1948 ² 1948 ³ 1947	2,605 2,591 2,664 2,712 2,625 2,419	8,178 8,071 8,087 8,597 8,376 7,973	605 611 636 640 636 632	1,217 1,218 1,241 1,241 1,243 1,210	395 882 385 486 455 418	310 325 340	232 235 253 504 535 504	234 235 234 284 237 236	296 296 298 299 284 275	1,239 1,170 1,132 1,131 1,071 983	235 228 217 217 212 210	519 502 482 421 387 364	273 271 275 160 144 131	713 697 649 554 599 572
1945	2,052	6,862	584	1,073	343		399	222	232	892	195	346	112	493
1944	1,936	6,598	584	1,053	320		394	221	232	895	200	344	104	479
1943	1,912	6,648	573	1,090	305		378	211	234	894	211	340	110	455
1942	2,041	6,916	561	1,115	310		328	200	255	878	228	335	129	448
1941	2,136	7,126	557	1,095	314		320	191	256	861	245	329	103	427
1940	2,015	6,768	538	1,050	296		293	181	240	841	244	324	91	390
1939	1,942	6,440	526	996	290		300	179	223	813	242	318	86	328
1938	1,857	6,218	522	1,008	276		314	178	212	807	236	312	82	331
1937	1,857	6,305	520	1,034	269		311	184	230	785	230	304	80	332
1936	1,690	5,949	494	994	265		311	171	212	750	225	297	78	342
1935	1,572	5,608	469	950	233		311	155	197	711	223	293	74	338
1934	1,530	5,431	453	910	231		309	141	193	695	216	287	72	339
1938	1,393	5,038	403	860	204		312	124	180	679	217	286	69	335
1932	1,395	5,058	417	886	198		315	128	200	691	214	289	69	341
1931	1,533	5,507	465	941	192		299	147	248	725	212	292	77	354
1930 1929 1919 1909 1899	1,685 1,744 1,233 1,034 788	5,839 6,077 3,977 3,177 2,218	504 518	996 1,008				153 153	277 295	749 750	202 194	291 287	85 83	358 851
1889 1879 1869	397 250 169	1,775 1,087 716												

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ For 1948 and prior years, "Automobile repair, services, and garages" included with "Retail trade."

Series T 29-42. Average Annual Earnings Per Full-Time Employee in Distribution and Selected Service Industries: 1929 to 1970

[In dollars]

Year	Whole-sale trade	Retail trade ¹	Hotels and other lodging places	Personal services	Miscel- laneous business services	Automobile repair, services, and garages ¹	Miscellaneous repair services	Motion pictures	Amusement and recreation, except motion pictures	Medical and other health services	Legal services	Educa- tional services	Miscel- laneous profes- sional services	Nonprofit member- ship organiza- tions
1970	9,458	5,913	4,756	5,424	7,652	6,723	8,815	7,157	6,289	5,641	7,549	5,511	9,902	5,494
1969	8,921	5,627	4,513	5,177	7,278	6,333	8,350	7,100	5,937	5,046	6,777	5,063	9,353	5,180
1968	8,391	5,858	4,244	4,919	6,921	5,865	7,784	6,814	5,642	4,579	6,140	4,718	8,752	4,794
1967	7,935	5,057	4,026	4,658	6,626	5,442	7,380	6,433	5,368	4,197	5,624	4,410	8,377	4,537
1966	7,588	4,865	3,822	4,422	6,383	5,141	6,947	6,265	5,112	3,884	5,401	4,182	7,958	4,346
1965	7,238	4,721	8,691	4,253	6,214	4,946	6,535	6,044	4,893	3,786	5,126	3,887	7,489	4,171
1964	6,983	4,574	8,610	4,120	6,072	4,808	6,350	5,538	4,763	3,641	4,994	8,684	7,205	4,035
1963	6,687	4,418	8,490	3,935	5,809	4,643	6,077	5,200	4,592	3,452	4,791	3,465	6,878	3,848
1962	6,445	4,264	3,398	3,805	5,718	4,482	5,862	5,038	4,484	3,817	4,576	3,257	6,629	3,724
1961	6,215	4,108	3,318	3,664	5,545	4,320	5,684	4,970	4,348	3,184	4,899	3,078	6,362	8,640

See footnotes at end of table.

Comparable with later years.
 Comparable with earlier years.

Series T 29-42. Average Annual Earnings Per Full-Time Employee in Distribution and Selected Service Industries: 1929 to 1970—Con.

(In dollars)

							in dollar	B)						
Year	Whole- sale trade	Retail trade ¹	Hotels and other lodging places	Personal services	Miscel- laneous business services	Automobile repair, services, and garages ¹	Miscel- laneous repair services	Motion pictures	Amuse- ment and recreation, except motion pictures	Medical and other health services	Legal services	Educa- tional services	Miscel- laneous profes- sional services	Nonprofit member- ship organiza- tions
	29	30	31	32	33	34	35	36	37	38	39	40	41	42
1960 * 1959 1958 1957 1956	6,047 5,849 5,574 5,403 5,169	4,015 3,876 8,709 8,592 3,447	3,242 3,120 2,992 2,904 2,746	3,550 3,414 3,240 3,122 2,975	5,343 5,159 5,043 4,904 4,754	4,169 4,022 3,845 8,772 3,560	5,504 5,250 4,911 4,741 4,519	4,651 4,506 4,233 4,073 8,901	4,240 4,077 3,915 3,631 3,397	3,061 2,907 2,787 2,660 2,523	4,185 4,077 3,919 3,794 3,597	2,913 2,802 2,677 2,599 2,507	6,142 5,913 5,711 5,501 5,318	3,538 3,475 3,371 3,239 3,073
1955 1954 1953 1952 1951	4,844 4,626 4,465 4,247 4,103	3,329 3,189 3,079 2,925 2,815	2,652 2,551 2,454 2,362 2,250	2,827 2,717 2,609 2,469 2,336	4,514 4,379 4,193 4,021 3,816	3,405 3,306 3,235 8,032 2,883	4,141 3,927 8,924 3,721 3,491	3,757 3,476 3,265 3,197 3,049	3,263 3,125 2,950 2,809 2,632	2,497 2,405 2,338 2,230 2,099	3,320 3,120 2,951 2,771 2,534	2,380 2,326 2,265 2,210 2,169	4,892 4,686 4,574 4,409 4,042	3,004 2,935 2,801 2,644 2,524
1950 1949 1948 1947 1946	3,839 8,623 3,574 3,322 3,021	2,734 2,612 2,520 2,368 2,141	2,156 2,107 2,026 1,902 1,745	2,223 2,158 2,084 1,978 1,854	3,583 3,369 3,239 3,023 2,861	2,674 2,553 2,520	3,202 3,180 3,150 2,974 2,766	2,938 2,933 2,911 3,031 2,978	2,500 2,473 2,415 2,345 2,185	1,998 1,912 1,824 1,821 1,605	2,391 2,286 2,196 1,971 1,757	2,099 2,056 2,002 2,113 1,802	3,728 3,577 3,443 3,495 3,280	2,412 2,319 2,220 2,077 1,984
1945 1944 1943 1942 1941	2,751 2,600 2,416 2,177 1,943	1,879 1,709 1,555 1,895 1,299	1,612 1,455 1,269 1,097 1,025	1,709 1,570 1,384 1,196 1,075	2,739 2,584 2,332 2,072 1,967		2,810 2,901 2,641 2,152 1,891	2,567 2,379 2,250 2,124 2,016	1,888 1,663 1,461 1,328 1,292	1,401 1,262 1,127 1,036 955	1,856 1,653 1,423 1,324 1,265	1,641 1,562 1,469 1,344 1,264	3,258 3,237 3,063 2,654 2,245	1,876 1,795 1,679 1,482 1,379
1940 1939 1938 1936	1,754 1,698 1,686 1,698 1,652	1,236 1,224 1,217 1,218 1,159	997 958 946 941 897	1,042 1,034 992 978 940	1,889 1,886 1,899 1,966 1,915		1,579 1,603 1,552 1,544 1,456	1,948 1,971 1,942 1,972 1,896	1,280 1,277 1,270 1,269 1,232	927 908 899 876 851	1,224 1,198 1,205 1,231 1,200	1,240 1,234 1,228 1,211 1,180	1,902 1,973 1,909 1,774 1,759	1,408 1,546 1,529 1,497 1,465
1935 1934 1938 1932 1931 1930 1929	1,640 1,550 1,477 1,672 1,934 2,089 2,072	1,139 1,102 1,066 1,173 1,324 1,384 1,409	878 863 816 908 1,030 1,097 1,098	915 905 889 996 1,136 1,200 1,219	1,884 1,709 1,653 1,844 2,255 2,412 2,274		1,429 1,339 1,286 1,464 1,684 1,793 1,814	1,892 1,844 1,891 1,959 2,179 2,175 2,169	1,193 1,190 1,185 1,218 1,244 1,268 1,273	829 801 810 865 919 933 925	1,163 1,160 1,168 1,260 1,333 1,394 1,378	1,162 1,175 1,189 1,279 1,323 1,329 1,312	1,600 1,609 1,619 1,714 1,897 2,027 2,314	1,435 1,440 1,442 1,545 1,653 1,698 1,712

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ Prior to 1948, "Automobile repair, services, and garages" included with "Retail trade."

Series T 43-57. Distribution and Selected Services, Legal Form of Organization: 1935 to 1967

			Total				(Corporation	ns			All o	ther legal	forms	
Year	Establish- ments	Sales	Payroll, entire year	Payroll, workweek ended nearest Nov. 15	Paid em- ployees, workweek ended nearest Nov. 15	Establish- ments	Sales	Payroll, entire year	Payroll, workweek ended nearest Nov. 15	Paid em- ployees, workweek ended nearest Nov. 15	Establish- ments	Sales	Payroll, entire year	Payroll, workweek ended nearest Nov. 15	Paid em- ployees, workweek ended nearest Nov. 15
	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
RETAIL TRADE	1,000	Mil. dol.	Mil. dol.	Mil. dol.	1,000	1,000	Mil. dol.	Mil. dol.	Mil. dol.	1,000	1,000	Mil. dol.	Mil. dol.	Mil. dol.	1,000
1967 1963* 1958 1954 1948	1,763 1,708 1,788 1,722 1,770	310,214 244,202 199,646 169,968 130,521 42,042	36,175 27,632 21,589 18,199 13,568 4,529	553 413 354	19,381 8,410 7,911 7,124 6,918 24,600	451 359 278 230 211 211	209,153 151,093 106,099 82,229 61,203 19,810	27,068 19,293 13,659 10,999 8,154 2,824	383 258 210	16,377 5,329 4,438 3,848 3,617 22,454	1,812 1,349 1,511 1,491 1,559 1,560	101,062 93,109 93,547 87,739 69,317 22,231	9,107 8,339 7,930 7,200 5,414 1,705	171 155 144	1 3,004 3,081 3,473 3,276 3,301 22,146
WHOLESALE TRADE						;									
1967 1963* 1958 1954 1948 1939	311 308 286 252 243 201 177	459,476 358,386 284,971 234,974 188,689 55,266 42,803	23,922 18,101 13,199 11,021 7,991 2,624 2,022	349 269 153	13,519 3,089 2,797 2,590 2,383 21,562 21,261	200 197 162 128 121 3 98 88	398,997 298,662 225,124 167,647 142,862 41,013 32,987	21,098 15,748 10,997 8,477 6,659 2,186 1,736	303 222 127	12,950 2,536 2,180 1,830 1,849 21,181 21,001	111 111 124 125 122 103 88	65,479 59,724 59,846 67,327 45,827 14,253 9,816	2,824 2,358 2,202 2,544 1,332 438 286	47 47 27	1 569 553 618 761 534 2 381 2 260
SELECTED SERVICES								1							
1967 1963* 1958 1954 4 1948 1939	1,188 1,062 975 786 665 646	60,542 44,586 32,376 23,487 13,296 3,420	17,524 12,192 9,006 6,526 4,164 1,070	241 167 126 81	13,841 3,262 2,889 2,361 2,100 21,102	157 138 91 66 46 28	37,607 28,342 17,945 12,429 6,026 1,283	12,000 8,653 5,637 4,017 2,333 601	170 103 76 44	2,057 1,581 1,271 1,042 2505	1,030 923 885 719 619 618	22,935 16,245 14,431 11,058 7,270 2,137	5,524 3,539 3,369 2,509 1,831 468	71 64 50 37	1,205 1,308 1,089 1,057 2597

Denotes first year for which figures include Alaska and Hawaii.
 Paid employees for week including March 12.
 A verage annual number of full-time and part-time employees.

³ Includes 17,530 petroleum bulk stations operated on a commission basis by operators having a proprietary interest in the business.
⁴ For 1954, legal form of organization data were withheld for some establishments to avoid disclosure.

DISTRIBUTION AND SERVICES

Series T 58-78. Book Value of Inventories at End of Year: 1929 to 1970

[In millions of dollars. All data except series T 70-78 for 1929-1939 adjusted for seasonal variations]

					Retail stores	-				Merch	ant wholesal	e trade ²
Year	Total inven- tories	Durable goods stores, total ¹	Automo- tive group	Furniture and appliance group	Lumber, building, hardware group	Nondurable goods stores, total ¹	Apparel group	Food group	General mer- chandise group	Total inven- tories	Durable goods establish- ments	Nondurable goods establish- ments
	58	59	60	61	62	63	64	65	66	67	68	69
1970	46,555 45,376 41,973 38,952 38,073 34,405 31,094 29,386 27,941 26,221	20,490 20,647 19,167 17,277 17,258 15,253 13,318 12,572 11,798 11,062	9,021 9,866 8,926 7,395 8,041 7,316 5,784 5,623 5,013 4,487	3,451 3,315 3,117 2,903 2,813 2,392 2,227 2,080 1,935 1,802	2,809 2,719 2,751 2,663 2,635 2,529 2,609 2,403 2,359 2,381	26,065 24,729 22,806 21,675 20,815 19,152 17,776 16,814 16,143 15,159	4,467 4,518 4,177 4,084 4,009 3,751 3,385 3,288 3,326 3,044	5,188 4,849 4,449 4,239 4,057 3,856 3,628 3,435 3,281 3,132	10,163 9,567 8,753 8,753 8,022 7,673 6,827 6,276 5,709 5,395 4,917	26,604 24,363 22,585 21,557 20,691 18,274 16,977 16,048 14,936 14,488	15,565 14,579 13,454 12,543 12,112 10,575 9,809 9,119 8,631 8,815	11,039 9,784 9,074 9,014 8,579 7,699 7,168 6,929 6,305 6,173
1960	26,813 25,305 24,113 24,451 23,402 22,769 20,926 21,488 21,031 21,050	11, 923 11, 029 10, 526 11, 283 10, 495 10, 532 9, 270 9, 781 9, 491 9, 628	5,015 4,105 3,966 4,520 3,727 4,012 3,013 3,283 3,033 3,130	1,987 1,983 1,879 1,922 1,957 1,878 1,785 1,895 1,905	2,408 2,435 2,406 2,394 2,388 2,355 2,281 2,340 2,400 2,380	14,890 14,276 13,587 13,168 12,907 12,237 11,656 11,707 11,540 11,422	3,323 3,194 2,967 3,024 2,912 2,682 2,601 2,620 2,489 2,491	3,171 2,984 2,943 2,852 2,719 2,560 2,469 2,287 2,196 2,181	4,278 4,198 3,865 3,843 3,706 3,401 3,686 3,736 3,587	14,120 13,879 12,739 12,730 13,260 11,678 10,637 10,686 10,210 9,886	8,121 7,861 7,150 7,115 7,074 6,261 5,477 5,547 5,312 5,207	5,999 6,018 5,589 5,615 6,186 5,417 5,160 5,139 4,898 4,679
1950	19,460 15,470 16,007 14,241 12,062 11,852 7,948 7,640 7,561	8,290 6,261 6,572 5,346 3,851 3,949 2,431 2,243 2,209 2,752 3,175	2,455 1,881 1,992 1,526 1,000 977 517 491 562 813 951	1,881 1,266 1,483 1,238 950 938 480 422 446 570 599	2,098 1,530 1,532 1,279 888 1,056 683 690 593 676 881	11, 170 9, 209 9, 435 8, 895 8, 211 7, 903 5, 517 5, 397 5, 352 5, 271 4, 601	2,488 2,113 2,126 1,896 1,615 1,567 1,116 1,244 1,207 1,148 948	2,171 1,725 1,780 1,683 1,573 1,596 1,034 969 1,080 1,119	3,508 2,867 2,857 2,819 2,621 2,603 1,686 1,596 1,679 1,665 1,590	9,284 7,706 37,957 7,123 6,203 6,583 4,555 3,912 3,684 3,781 4,044	4,691 3,818 3,999 3,069 2,521 2,595 1,497 1,148 1,073 1,101	4,593 8,888 4,054 3,682 3,988 3,058 2,764 2,611 2,680 2,656
1940 1939 1938	6,119 5,534 5,276	2,469 2,088 1,977	772 575 545	430 395 377	709 640 623	3,650 3,446 3,299	761 748 717	687 656 612	1,340 1,269 1,202	3,238 3,052 2,894	1,110 1,008 940	2,128 2,044 1,954

	Manu-	Manu	facturers' dura	ble goods indu	stries	Manuf	acturers' nond	urable goods ir	dustries
Year	facturers' total inventories	Total	Purchased materials	Goods-in- process	Finished goods	Total	Purchased materials	Goods-in- process	Finished goods
	70	71	72	73	74	75	76	77	78
1970 1969 1968 1968 1967 1966 1985 1984 1962 1961 1960 11969 1958 1958 1957	100, 476 96, 673 90, 737 84, 563 77, 950 68, 221 63, 386 60, 043 58, 213 54, 939 53, 814 52, 707 50, 670 50, 642 45, 669 41, 612	65, 152 63, 160 58, 969 54, 888 49, 793 42, 227 38, 436 35, 813 34, 605 32, 509 32, 369 31, 839 30, 935 31, 728 30, 447 26, 405 23, 710	19,056 18,678 17,393 16,432 15,430 13,299 11,927 11,001 10,798 10,242 10,286 10,585 9,847 10,608 10,417 9,194 7,894	29,283 28,963 27,508 24,992 21,995 18,152 16,253 14,997 14,205 13,211 12,780 12,952 12,294 12,317 10,756 9,721	16,863 15,519 14,073 13,464 12,368 10,776 10,256 9,815 9,602 9,056 9,190 8,143 7,749 8,125 7,565 6,348 6,040	35,324 33,513 31,768 29,675 28,157 26,1994 24,950 24,950 23,608 22,430 21,430 21,434 20,868 19,975 20,143 20,195 18,664 17,902	13,026 12,588 12,103 11,729 11,210 10,488 10,185 10,003 9,841 9,464 9,113 9,089 8,671 8,775 8,971 8,556 8,167	5,055 5,135 4,829 4,412 4,245 3,823 3,519 3,410 3,304 3,193 2,935 2,935 2,938 2,800 2,864 2,721 2,571 2,440	17,243 15,795 14,836 13,534 12,702 11,683 11,246 10,463 9,773 9,353 8,857 8,498 8,624 7,666 7,415
1953 1952 1951	43,948 41,136 39,306	25,878 23,731 20,991	8,966 7,300 7,400	10,720 10,200 8,600	6,206 6,900 6,800	18,070 17,405 18,315	8,317 8,600 9,100	2,472 2,700 2,700	7,409 8,100 8,200
1950 1949 1948 1947 1946 1945 1944 1943 1942 1941	26,321 28,543 25,897 24,457 18,390 19,507 20,098 19,287	15,539 13,060 14,662 13,061 11,997 8,767 10,433 11,175 10,441 8,601	6,100 4,600 5,600 5,100 4,500 3,200 3,300 3,700 3,700	6,000 4,700 5,400 5,200 4,600 3,500 5,000 5,200 4,600 3,200	4,700 4,700 4,700 4,000 2,900 2,100 2,100 2,100 2,200 2,300	15,539 13,261 13,881 12,886 12,460 9,623 9,074 8,923 8,846 8,359	8,400 6,500 7,300 7,200 6,500 4,900 4,700 4,500 4,300 4,000	2,500 2,100 2,200 5,200 1,800 1,400 1,400 1,200	6,600 6,300 6,500 5,200 4,200 3,000 3,000 3,300 3,300 3,200
1940	11,465 10,750	6,304 5,334 5,019	2,100 1,800	2,000 1,500	2,200 2,100	6,515 6,131 5,731 5,786	2,600 2,400		3,000 2,900
1938 4 1937 1936 1935 1934 1933	12,071 10,731 9,145 8,764	5,017 5,693 4,813 4,052 3,741 8,533 3,375				5,786 6,378 5,918 5,093 5,023 4,656 3,994			
1932 1931 1930 1929	9,151	4,241				4,910 6.021			

^{*} Denotes first year for which figures include Alaska and Hawaii.

J Includes kinds of business, not shown separately.

Data prior to 1947 include estimates for nonmerchant wholesalers and are not comparable with data for later years.

Comparable with later years; see text. 1948 data comparable with earlier years are (in millions of dollars): Series 67, 7,879; series 68, 3,683; series 69, 4,186.
 Comparable with earlier years; see text.

Carrier W 70 100 Dateil Establishm

ļ	All e	establishment	8		E	stablishments	with payro	oll		Establishm	ents of multi-	unit firms	
		Sale	28			1	Payroll		Paid		Sale	28	Active proprietors
Year	Number	Amount (mil. dol.)	Per capita	Number	Sales	Amount (mil. dol.)	year Percent of sales	Workweek ended nearest Nov. 15 (mil. dol.)	employees, workweek ended nearest Nov. 15	Number	Amount (mil. dol.)	Percent of total retail	of unin- corporated businesses
	79	80	81	82	83	84	85	86	87	88	89	90	91
967 963 * 958 954 948 ²	1,763,324 1,707 931 1,788,325 1,721,650 1,688,479 1,769,540	810,214 244,202 199,646 169,968 128,849 130,521	1,557 1,294 1,152 1,054 882 866	1,191,546 1,206,087 1,180,641 1,124,040 1,118,692 1,100,223	295,170 233,085 187,090 157,933 118,352 119,379	36,175 27,632 21,589 18,199 (NA) 13,568	12.3 11.9 11.5 11.5 (NA) 11.4	553 413 354	19,380,616 8,410,199 7,911,081 7,124,331 (NA) 6,918,061	220,142 219,783 182,735 167,027 (NA) 162,655	123,505 89,455 67,209 51,187 (NA) 38,691	39.8 36.6 33.7 30.1 (NA) 29.6	1,624,451 1,545,999 1,818,660 1,765,752 (NA) 1,742,040
939 935 933 929	1,770,355 1,587,718 1,526,119 1,476,365	42,042 32,791 25,037 48,330	321 258 199 396		38,190	4,529 3,568 2,910 5,044	11.9		4,821,806 43,898,258 42,703,325 44,286,516	123,195 131,430 (NA) 151,712	9,106 7,653 (NA) 9,965	21.7 23.3 (NA) 20.3	1,613,678 1,440,108 1,574,841 1,434,704
							Foo	d group		-			
			Total 5			Grocery st	ores		Meat mar	kets	Fruit sto	res, vegetab	le markets
	Year	Number	Sales (mil. dol.)	Persons engaged	Number	Sales (mil. dol.)	Person engage	s Num	ber Sales (mil. do			Sales (mil. dol.)	Persons engaged
		92	93	94	95	96	97	98	99	100	101	102	103
967 963 * 958 954 948 ² 948 ³	ABLISHMENTS	319,433 355,508 384,616 460,913 504,439	70,251 57,079 49,022 39,762 29,207 30,965	1,723,306 1,579,759 1,563,691 1,439,397 1,515,618 1,515,618	218,130 244,830 259,790 287,570 350,754 377,930		1,132,7 1,066,7 1,066,7		920 1,64 242 1,64	66,427 66,427	13,136 7 13,482 7 15,763	448 412 505 484 394 399	19,088 19,347 27,386 27,691 32,273 32,273
939 3 935 933 929		560,549 532,010 470,149	10,165 10,165 8,362 6,776 10,837	1,331,722 1,315,438 1,235,069 1,170,291 1,174,665	387,33° 387,33° 354,97° 303,91° 307,42°	0 (5,004	624.3	015 35, 983 35, 483 32, 887 (NA 765 48,	555 56 (NA)	35 77,230 (NA)	21.897	222 222 216 170 308	48,564 48,357 56,463 43,419 46,277
WITE 967 963 * 958 954	LISHMENTS H PAYROLL	178,170 190,074 200,468	44 978		128,67 132,12 138,17 148,02 168,13	5 61,771 9 49,187 6 40,425 8 31,280 1 20,699			243 1,3 483 1,3 810 2,0 984 1,6	14		324 304 350 331	

			Food gro	up—Con.		1	Eating place	8	Drinking places			
ļ	Candy, nut, confectionery stores			Bake	ry products	stores			Persons			Persons
Year	Number	Sales (mil. dol.)	Persons engaged	Number	Sales (mil. dol.)	Persons engaged	Number	Sales (mil. dol.)	engaged	Number	Sales (mil. dol.)	engaged
	104	105	106	107	108	109	110	111	112	113	114	115
ALL ESTABLISHMENTS												
1967. 1968 *. 1958. 1954. 1948 *.	13,981 14,979 17,593 20,507 27,165 32,876	541 499 528 568 586 649	34,252 34,233 41,380 46,892 75,021 75,021	19,598 18,631 19,235 19,034 19,500 20,152	1,340 1,080 905 862 722 725	116,377 110,882 104,017 104,929 103,415 103,415	236,563 223,876 229,815 195,128 179,185 194,123	18,879 13,919 11,038 8,731 6,440 6,468	1,969,462 1,705,797 1,570,189 1,280,398 1,175,331 1,175,331	111,327 110,605 114,925 123,887 146,604 152,433	4,964 4,493 4,164 4,360 4,204 4,215	410,048 881,954 388,334 438,559 533,899 533,899
1939 ²	48,015 48,015 55,197 54,248 63,265	295 295 314 271 571	77,170 76,353 91,164 91,237 127,311	16,985 16,985 14,150 19,380 12,013	168 168 99 188 201	43,217 41,225 28,989 63,563 41,907	169,792 169,792 153,468 170,484 134,293	2,135 2,135 1,666 1,324 2,124	777,884 764,650 652,334 606,600 615,385	135,594 135,594 98,005 29,901	1,385 1,385 724 105	358,398 348,452 252,167 54,798
ESTABLISHMENTS WITH PAYROLL												
1967	6,284 7,121 6,147 7,777	337 316		15,711 15,877 14,483 15,102	826		189,418 180,874 172,701 149,996 141,163	17,955 13,329 10,220 8,142 5,982		81,764 83,067 82,223 94,413 104,316	4,263 4,001 3,577 3,878 3,626	

See footnotes at end of table.

DISTRIBUTION AND SERVICES

Series T 79-196. Retail Establishments, Sales, and Persons Engaged, by Kind of Business: 1929 to 1967—Con.

	General merchandise group stores									ariety sto		Apparel group						
		T	7	· · · · · · · · · · · · · · · · · · ·	Department stores							Total 5			1	Shoe stores		
Year	Number	Sal (mi dol	i. en	rsons gaged	Number	Sales			Number	Sales (mil. dol.)	Persons engaged	Number	Sales (mil. dol.)	Persons engaged	Numb	Sales	Persons engaged	
	116	11	117 118		119	120		121	122	123	124	125	126	127	128	129	130	
ALL ESTABLISHMENTS																		
1967 1963 * 1958 1954 1948 2 1948 3	67,807 62,063 86,644 76,198 70,807 52,544	15,7 15,9		96,237 13,314 06,092 42,824 91,319 91,319	5,792 4,251 8,157 2,761 2,558 2,580	20,537 7 13,359 1 10,558 9,432 1 10,645		175,402 970,956 307,898 735,138 343,740 343,740	21,046 22,378 21,017 20,917 18,917 20,210	5,407 4,538 3,621 3,066 2,504 2,506	297,346 325,265 340,422 347,997 345,812 345,812	110,164 116,228 118,759 119,748 110,944 115,246	16,672 14,040 12,525 11,078 9,716 9,803	741,706 718,771 749,614 707,702 685,156 685,156	24,56 24,43 23,84 19,20 19,55	8 2,390 7 2,130 7 1,895 1 1,460 1 1,467	(NA) 105,945 111,153 101,843 87,203 87,203	
1939 * 1939 * 1935 1933	50,267 50,267 44,651 49,712 54,636	5,6 5,6 4,6 3,8 6,4	65 1,00 65 90 20 70 91 50 44 80	02,246 08,869 61,855 70,157 62,758	4,074 4,074 4,201 3,544 4,221	4,074 3,97 4,201 3,31		5 566,612 1 492,846 5 365,936		976 976 780 678 904	239,341 221,658 177,221 163,002 167,058	106,959 106,959 95,968 86,548 114,296	3,258 3,258 2,656 1,923 4,240	499,725 471,066 401,043 341,202 494,524	20,48 20,48 18,96 18,83 24,25	7 617 7 617 7 511 6 424 9 806	78,262 76,151 68,799 63,198 83,355	
ESTABLISHMENTS WITH PAYROLL 1967	51,770 51,417	43,1 29,7	27		5,792	5,792 82,344 4,251 20,537		4		5,348 4,501		91,430 96,015	16,223 13,650		21,11 21,45	0 2,917 0 2,319		
1967 1963 * 1958 1954 1948	49,698 50,554 48,758	21,0 17,3	85 27			18,859	3		18,139 17,639	3,565 3,014		97,664 97,829 85,163	12,168 10,701 9,306		_ 20,14	3 2,042 3 1.817		
					p—Con.					Furr	iture, hom			nce group	e group			
V -			Wom	en's read	y-to-wear	to-wear		Total]	Furniture s	tores	res Ho		Iousehold appliance,		
Year		1	Number	umber Sales (mil. dol		Persons engaged			ales l. dol.)	Persons engaged	Number	Sales (mil. dol	.) Pers		mber	Sales (mil. dol.)	Persons engaged	
			131	132	1.	33	134		135	136	137	138	13	9 1	140	141	142	
ALL ESTABLISHMENTS 1967			31,883 29,696 (NA) (NA) 29,788 30,677	4,4 (NA) (NA) 3,2	5,380 26 4,428 24 (NA) (1 (NA) (1 3,277 25 3,305 25		98,826 93,649 103,417 91,797 80,423 85,585		4,542 0,926 0,074 8,619 6,592 6,914	487,372 428,883 489,654 440,362 456,186 456,186	33,274 37,216 36,096 (NA) 28,465 29,031	4,78 (NA) 3,41	7 199 3 217 (N.	510 3 214 4 A) 4 551 3	3,619 0,685 0,985 0,542 5,331 6,931	⁷ 6,017 8,385 3,499 3,237 2,410 2,543	7 191,150 126,693 169,810 163,186 165,307 165,307	
1985	25,820 25,820 21,975 17,759 18,258			09 154 95 124 68 99	9 154,297 5 124,537 8 99,702		52,827 52,827 45,215 42,976 58,941		263,441 256,126 209,795 197,663 319,212	8 19,902 8 19,902 8 17,043 8 17,418 25,854	8 97 8 69 8 55	* 973 * 973 * 694 * 553 1,578		0,913 0,913 8,396 7,922 5,366	533 533 438 312 950	89,651 88,342 84,006 79,446 129,877		
ESTABLISHMENTS WITH PAYROLL 1967			27,792 26,066 26,559 26,893	5,2 4,3 4,0 3,5	64	9		393 1 929 773	3,824 0,474 9,544 8,151 6,212		27,375 26,982 28,342 25,475	5,12 4,63	4	. 2	5,384 4,793 8,189 7,774	4,796 3,267 3,276 3,003		
	Cotal, a	utomotiv	Pas	Passenger car dealers, franchised			Passenger car dealers, nonfranchised			Tire, battery, access dealers			Gasoline service stations					
Year	N	umber	Sales (mil. dol.)	Person engage		per Sa oer (m	ıil.	Persons engaged	Numbe	Sales (mil. dol.)	Persons engaged	Number	Sales (mil. dol.)	Persons engaged	Numb	Sales (mil. dol.)	Persons engaged	
	:	143	144	145	146	14	17	148	149	150	151	152	153	154	155	156	157	
ALL ESTABLISHME 1967	10	05,500 08,514 03,656 05,953 05,285 06,162	55,631 45,376 31,808 29,915 20,100 20,104	871,5 803,8 788,2 711,2	41,4 00 43,9	07 25 07 25 06 15	,636 ,375 ,326 ,108 ,951 ,952	785,868 630,817 593,996 623,740 556,668 556,668	27,98 25,33 20,14 16,63	$egin{array}{cccc} 2,983 \ 2,423 \ 4 & 2,440 \end{array}$	(9) 72,857 72,332 56,552 49,841 49,841	20,912 18,845 20,224	4,236 3,336 2,425 1,814 1,358 1,359	108,701 91,292 90,384	1 211,47 1 206,30 2 181,74 1 179,64	59 22,709 73 17,760 02 14,178 47 10,743 47 6,470 53 6,483	800,331 732,542 699,472 558,449 482,486 482,486	
1989 ²	6 4 6	30,132 30,132 30,459 48,545 39,379	5,548 5,548 4,236 2,367 7,043	451,4 440,5 356,3 285,8 477,5	33,6 33,6 30,2 17,30,6 42,2	:ng <i>1</i>	,810 ,810 ,725 ,127 ,266	353,757 345,771 282,638 237,185 386,356	6,98 6,98 4,75 (°) 3,09	0 193 0 193	20,552 19,789	14,343 16,027	523 523 373 226 599	74,224 72,028 56,138 44,510 75,147	9/1 8		478,075 467,002 383,623 328,263	
### ESTABLISHMENTS V PAYROLL 1967	77	76,887 75,538 71,464 68,573 72,655 able.	54,597 44,686 31,213 29,351 19,565		32,8 33,1 36,8 39,4	45 37 69 25	,480 ,362 ,277 ,007		11,50 13,40 13,19 11,36	1 2,622 9 2,633		22,521 21,896 15,992 14,451	4,044 3,245 2,323 1,723			68 16,354 04 12,640 55 9,292		

RETAIL TRADE T 158-196

Series T 79-196. Retail Establishments, Sales, and Persons Engaged, by Kind of Business: 1929 to 1967—Con.

				L	umber, b	uilding	, hardware g	roup					
	Total 5	·	Lumbe	er, buildin dealer	g materia	ıls	Ha	ardware sto	res	1	Farm equ	lipment d	ealers
Number	Sales (mil. dol.	Persons engaged	Number				Number	Sales (mil. dol.)				Sales nil. dol.)	Persons engaged
158	159	160	161	162	1	63	164	165	166	16	7	168	169
86,373 92,703 108,248 100,519 97,342 98,938	14,606 14,309 13,128 11,148	473,759 544,677 540,326	(NA) 28,979 34,867 30,177 25,978 26,110	7,0	23 237	717	27,162 29,595 34,670 34,858 34,009 84,674	2,813 2,560 2,717 2,694 2,491 2,493	114,056 136,249 143,323 149,189	8 16 9 19 8 18 2 17	,362 ,008 ,689 ,509	4,832 3,626 3,186 2,804 2,386 2,386	103,869 92,437 100,864 99,825 94,182 94,182
79,313 79,313 73,186 76,098 90,386	2,734 2,734 1,864	323,396 318,051 253,829 261,249	25,067 25,067 21,149 21,015 26,377	1,4 1,4 86	78 152 78 149	,959 275	29,147 29,147 26,996 22,844 25,330	629 629 467 311 706	86,70° 85,47° 72,130 60.880	7 10 1 10 0 9 6 9	,499 ,499 ,637 ,958	344 344 291 177 518	35,831 36,646 31,879 28,953 43,443
69,015 74,803 80.644	16,644 14,183 13,736		24,296 25,655 27,539	6 9	54		19,339 22,189 24,522	2,556 2,377 2,482				4,708 3,563 3,115	,
78,507 79,899	12,642 10,767		25,429	6,39	95		25,266	2,478		16, 15,	399 944	2,744 2,332	
Drug a	nd propriet	ary stores		Liquor st	ores		Fu	iel, ice deal	ers		Hay, gra	in, feed s	tores
Number	Sales (mil. dol.	Persons engaged	Number				Number	Sales (mil. dol.)				Sales nil. dol.)	Persons engaged
170	171	172	173	174	1	75	176	177	178	17:	9	180	181
53,722 54,732 56,232 56,009 55,282 55,796	8,487 6,779 5,251	405,798 400,754 354,261	39,719 40,188 37,068 31,240 32,949 33,422	5,18 4,20 3,18 2,5	39 129 02 115 30 85 78 82	,256 ,659 ,244 041	22,258 24,956 28,559 27,070 21,473 22,670	3,598 3,401 3,473 2,842 2,425 2,424	120,891 135,003 121,292 127,213	13,	926	(NA) 3,840 3,117 3,455 2,796 2.790	(NA) 65,550 71,669 75,725 75,374 75,374
57,903 57,903 56,697 58,407	1,562 1,562 1,232 1,066	241,969 239,076 207,493 205,300	19,136 19,136 12,105 3,767	58 32	36 39 28 25	,346 ,234	41,172 41,172 35,293 10 23,875 10 19,118	1,013 1,013 859 10 623	149,094 142,694 123,199	16, 16, 11, 3 (N)	772 772 132 A)	624 624 346 (NA) 990	50,321 49,304 28,376 (NA) 66,072
						-							ŕ
49,079 50,952 50,792 49,489 47,628	6,641 5,103		31,039 31,860 28,040 21,926 21,282	4,83 3,88 2,88	37 38 		16,596 17,816 18,557 16,986 17,855	3,447 3,252 3,273 2,668 2,350		11, 11, 13, 13,	625 264 512 196	3,845 3,259 3,030 3,845	
Jewel	lry stores	Cigar	stores and	stands		Flori	sts				Sec	condhand	stores
Number	(mil. Per		Sales (mil. dol.)	Persons engaged	Number	(mi	l. Persons				Number	Sales (mil. dol.)	Persons engaged
182	183 1	185	186	187	188	189	190	191	192	193	194	195	196
23,751 1 24,266 1	1,560 79, 1,495 91, 1,407 90	405 5,336 908 6.068	352 275 233 233 385 535	13,869 12,551 12,801 14,255 30,658 30,658	22,451 19,801 19,176 16,279 13,565 14,749	6 4 3	38 60,601 95 50.111	12.149	(NA) 397 389 283 185 195	(NA) 31,860 34,115 27,538 26,938 26,938	(NA) 19,862 16,737 14,364 13,387 16,969	(NA) 782 551 424 298 304	47,041 41,041 37,917
14,559 14,559 12,447 14,313 19,998	361 48, 234 36, 175 38,	326 18,504 805 15,350	207 207 183 189 410	31,197 31,173 28,828 39,417 67,377	16,055 16,055 11,242 7,728 9,328	1	48 39,202 98 28,296 66 21,297	7,429 7,429 5,512 (NA) 5,186	53 53 31 (NA)	13,665 13,544 9,655 (NA)	23,962 23,962 22,550 20,869 15,065	198	48,146 46,814 43,543 45,305
14,626 2 14,265 1 15,223 1	l,452 l,367	2,953 2,680	175		14,587 13,265 11,662	65	92 34	6,798	328 306		9,667	473	
	158 86, 373 92, 703 108, 248 100, 519 97, 342 98, 938 79, 313 73, 186 76, 098 90, 386 69, 015 74, 803 80, 644 78, 507 79, 899 Drug 2 Number 170 53, 722 54, 732 56, 232 56, 009 55, 282 56, 009 55, 282 56, 790 367, 903 56, 6, 977 58, 258 49, 079 50, 952 249, 489 47, 628 Number 182 23, 689 24, 689 25, 751 24, 266 251, 269 14, 559 14, 559 14, 559 12, 447 14, 313 19, 998 14, 626 21, 269 21	Mil. dol. 158 159 159 159 160 161 160	March Marc	(mil. dol.) engaged	Number Sales (mil. dol.) Persons Number (mil. dol.)	Number Sales Persons Number Sales Persons (mil. dol.) Persons Sales Persons Sales Persons Sales Persons Sales Persons Sales Persons Sales Persons Sales Persons Sales Persons Sales Persons Sales Persons Sales Persons Sales Sales Sales Sales Sales Persons Sales Sales Persons Sales Sales Sales Sales Persons Sales Persons Sales Persons Pers	Number Sales Persons Number Sales Persons engaged	Number Sales Persons Number Sales Persons Number (mil. dol.) Persons Number (mil. dol.) Persons Number (mil. dol.) Persons Number (mil. dol.) Persons Number (mil. dol.) Persons Number (mil. dol.) Persons Number (mil. dol.) Persons (NA) (N	Number Sales Persons Number (mil. dol.) Persons Number (mil. dol.) Response Number (mil. dol.) Response Re	Number Sales Persons Number Sales Persons (mil. dol.) Persons	Number Calles Persona Number Calles	Number Sales Number (mil. dol.) engaged engaged Number (mil. dol.) engaged	Number Called C

^{*} Denotes first year for which figures include Alaska and Hawaii.

NA Not available.

1 For 1967, paid employees for week including March 12.

2 Comparable with later years.

4 Comparable with earlier years.

4 Average annual number of full-time and part-time employees for year; comparable figure for 1939 is 4,600,217.

Totals include subclasses not shown separately.
 Figures include fish (sea food) markets. Separate figures not available.
 Includes music stores.
 Excludes interior decorators.
 Nonfranchised dealers combined with franchised dealers.
 Excludes fuel oil dealers.

Series T 197-219. Retail Sales of Stores of Multiunit Retail Firms, by Kind of Business: 1929 to 1970
[In millions of dollars]

			-	Dural	ole goods	stores					No	ndurable s	goods stor	es	"	
	All		Automot	ive group	Furn appliance	iture, ce group	Lumber, hardwa	building, e group			A	pparel gro	ир		Drug	Eating
Year	stores	Total sales ¹	Motor vehicle, other automo- tive dealers	Tire, battery, acces- sory dealers	Furni- ture, home- furnish- ings stores	House- hold appli- ance, radio stores	Total	Lumber, building materials dealers	Total sales ¹	Total 1	Men's and boys' wear stores 2	Women's apparel, acces- sory stores 3	Family and other apparel stores	Shoe stores	and proprie- tary stores	and drink- ing places
	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212
							FIRMS	WITH 11 (OR MORE ST	ORES						
1970 ⁴	117,245 110,848 103,070 94,194 85,203 80,323	8,617 5,750 5,892 5,415 6,184 5,979		1,827 1,747 1,816 1,736 1,529 1,472	1, 1, 1,	508 281 354 803 862 276			108,628 105,098 97,178 88,779 79,019 74,344	5,475 6,191 5,921 5,186 5,069 4,770	819 852 905 767 612 578	1,875 2,250 2,090 1,837 1,855 1,779		1,473 1,712 1,598 1,335 1,367 1,269	4,358 4,307 3,777 3,373 3,120 2,663	2,859 2,683 2,487 2,122 2,554 2,222
1965	73,356 68,306 63,191 58,280 55,576 52,531	5,506 5,320 5,032 4,469 4,271 4,013		1,312 1,242 1,196 1,098 1,087 1,001	1, 1, 1,	193 126 246 115 070 050			67,850 62,986 58,159 53,811 51,305 48,518	4,445 4,287 4,145 3,796 3,683 3,567	557 531 387 355 351 357	1,656 1,622 1,757 1,607 1,490 1,442		1,168 1,155 1,142 1,054 1,082 1,030	2,300 2,029 1,896 1,728 1,640 1,526	1,891 1,677 1,446 1,253 1,202 1,141
1960 ° *	50,681 48,603 46,673 43,853 41,900 39,754 36,291	3,985 3,960 3,365 3,146 3,031 3,097 2,836		990 980 973 867 815 763 732		999 970 965 957 924 953 784	(11) 1,192 1,098 1,053 1,131 1,316	(11) 825 765 723 810 818	46,696 44,643 43,308 40,707 38,868 36,657 33,455	3,515 3,144 3,046 2,805 2,696 2,616 2,249	348 228 231 223 232 219 175	1,414 1,337 1,302 1,198 1,141 1,093 863	(11) 578 532 523 534 433	1,025 992 935 852 800 770 788	1,452 1,309 1,223 1,118 1,032 943 836	1,115 999 950 871 868 821 756
1955 1954 1953 1952 1951	33,918 31,690 30,929 30,120 28,536	2,790 2,582 2,580 2,605 2,521	(11)	700 609 636 611 568	347 346 321 317 287	366 378 390 383 392	1,300 1,178 1,155 1,224 1,208	838 750 728 785 798	31,128 29,108 28,349 27,515 26,015	2,166 2,041 2,079 2,068 2,009	186 187 205 214 215	852 794 821 834 786	404 385 402 378 356	724 675 651 642 652	785 760 759 737 722	707 662 671 622 590
							FIRM	s with 4 c	R MORE ST	ORES					· · · · · · · · · · · · · · · · · · ·	
1951	34,000 31,232 29,041 29,737 26,958 22,514	3,825 3,863 3,240 3,407 3,100 2,510	389 408 331 287 262 191	575 551 448 454 437 467	569 592 519 562 533 436	572 622 482 465 417 281	1,582 1,561 1,336 1,505 1,315 998	1,147 1,147 957 1,107 962 715	30,175 27,369 25,801 26,330 23,858 20,004	2,763 2,588 2,588 2,729 2,566 2,434	342 338 342 366 385 355	1,137 1,042 1,049 1,117 1,012 1,013	539 512 517 548 483 425	745 696 680 698 686 641	905 852 847 869 864 830	779 724 721 742 714 676
1945	17,280 16,234 14,926 14,376 12,635	1,627 1,416 1,316 1,291 1,465	96 91 82 79 200	295 270 254 236 293	277 240 224 211 226	112 81 71 101 134	739 636 589 588 552	565 500 478 486 480	15,653 14,818 13,610 13,085 11,170	2,090 1,957 1,791 1,594 1,280	272 264 241 237 229	968 923 843 668 504	329 286 232 182 135	521 484 475 507 412	704 681 654 571 479	593 558 518 439 374
1940 1939 1938 1937	10,500 9,570 8,872 9,426 8,960	1,157 1,024 931 1,065 986	165 136 115 182 190	241 236 221 225 208	175 151 126 150 127	104 88 77 93 81	427 375 362 381 351	385 350 339 357 330	9,343 8,546 7,941 8,361 7,974	1,062 992 913 989 913	182 173 156 177 174	428 394 349 371 326	97 80 76 90 90	355 345 332 351 323	425 400 377 378 352	330 304 288 290 270
1935 1933 1929	8,040 6,618 10,412	813 528 1,683	168 115 624	187 76 122	97 86 235	65 60 157	274 180 509	256 162 488	7,227 6,090 8,729	758 589 1,197	141 112 271	260 214 413	78 41 144	279 222 369	317 267 312	248 182 299

Series T 197-219. Retail Sales of Stores of Multiunit Retail Firms, by Kind of Business: 1929 to 1970—Con. [In millions of dollars]

			Nondurab	le goods st	ores—Con.	·					Nondurabl	e goods st	ores—Con.		-
	Food	group		G	eneral merc	handise gro	up		Food	group		G	eneral merc	handise gro	up
Year	Total	Grocery stores	Gasoline service stations	Total ¹	Depart- ment stores, excl. mail order	Mail order (catalog sales)	Variety stores	Year	Total	Grocery stores	Gasoline service stations	Total 1	Depart- ment stores, excl. mail order	Mail order (catalog sales)	Variety stores
	213	214	215	216	217	218	219		213	214	215	216	217	218	219
			FIRMS WIT	н 11 ок м	ORE STORES						FIRMS WIT	н 4 or мо	RE STORES		
1970 4	44,072 40,965 37,619 34,707 32,241 30,940 28,598 27,081 25,634 24,357 23,695 22,774 22,076 21,472 20,368 19,461	43,183 40,557 37,163 34,295 31,150 29,906 27,627 26,198 24,903 23,692 23,046 22,119 21,424 20,602 19,502 18,590		46,102 45,302 41,997 38,395 30,953 28,988 26,112 23,645 21,375 19,018 17,568 16,249 15,478 14,991 14,521 13,414	31,893 31,105 28,934 26,184 20,984 19,653 17,593 16,807 13,361 11,817 10,751 9,875 9,875 8,839 8,607 7,939		5,417 5,627 5,232 4,821 5,029 4,593 4,096 3,770 3,928 3,542 3,147 3,018 3,053 2,977 2,779	1951 1950 1949 1948 1947 1946 1945 1944 1942 1941 1940 1939 1938 1937	12,921 11,344 10,636 10,493 9,418 7,259 5,614 5,499 5,111 5,211 4,328 3,635 3,340 3,110	11,569 10,140 9,468 9,319 8,284 6,192 4,705 4,657 4,318 4,520 3,729 3,106 2,833 2,618 2,643	548 505 470 416 357 271 241 284 285 331 294 288 316 375	9,950 9,300 8,560 8,930 7,916 6,713 4,925 4,621 4,222 4,094 4,094 3,666 2,978 2,693 2,4590	6,149 5,743 5,159 5,373 4,636 3,788 2,630 2,180 2,125 2,050 1,828 1,421 1,226 1,075	1,284 1,235 1,156 1,301 1,171 959 608 609 581 628 621 491 464 424	2,326 2,143 2,077 2,077 1,937 1,812 1,559 1,510 1,406 1,325 1,147 1,008 952 900
1958 1957 1956 12 1956 13 1955 1954 1953 1952 1951	19,461 18,221 16,636 16,546 15,250 14,345 13,392 12,552 11,705	18,590 17,377 15,895 15,454 14,223 13,359 12,404 11,606 10,718	732 625 561 538 498 474 478	13,414 13,092 12,805 10,341 9,726 8,862 8,962 8,916 8,575	7,939 7,790 7,630 4,918 4,575 4,092 4,058 4,002 3,820	(11) 1,306 1,233 1,130 1,233 1,254 1,220	2,779 2,668 2,619 2,613 2,508 2,357 2,350 2,322 2,233	1937 1936 1935 1933 1929	3,170 3,083 2,916 2,594 3,475	2,648 2,608 2,468 2,209 2,833	403 423 544 605	2,590 2,428 2,124 1,589 2,275	1,155 1,060 898 673 1,013	467 445 386 220 447	917 878 801 696 815

Series T 220-224. Chains and Chain Stores: 1872 to 1928

	Nu	mber of ch	ains (2 or	more sto	res)	-	Nu	nher of ch	ains (2 or	more sto	res)			ber of cha more stor	
Year	26 lines of mer- chandise	Grocery	Drug	Shoes	Ready- to-wear	Year	26 lines of mer- chandise	Grocery	Drug	Shoes	Ready- to-wear	Year or period	26 lines of mer- chandise	Grocery	Drug
	220	221	222	223	224		220	221	222	223	224		220	221	222
1928	1,718	315	179	220	294	1911	292	69 62	39	17	39	1894	19 17	11	1
1927	1,689 1,565	335	175	206	281	1910	257	62	36	13	34	1893	17	11 10 9	1
1926	1,565	310	166	182	258	1909	231	59 53	30	12	31	1892	14	9	1
1005	1 440	001	100	107	001	1908	212	53	26 25	17 13 12 12 10	39 34 31 29 28	1891	12	7	1
1925 1924	1,440 1,267	301 270	162 150	167	231	1907	193 173	49 45	25 24	10	28 23	1000	10		1 .
1924 1099	1,164	249	145	146 128	201 184	1900	173	40	24	9	23	1890 1889	10	6	
1923 1922	1,056	232	131	114	165	1905	154	44	19	9	21	1888	9	1 3	1 ‡
1921	905	198	117	95	165 137	1904	132	41	16	8	15	1887	6	3	1
	500	150			10.	1903	107	36	13	7	iŏ	1886	5	3	
1920	808	180	107	79	125	1902		36 29 23	13 12 9	6	Ťě	10002		ı	
1919	733	168	101 89	63	110	1901	66	23	9	4	7	1885	4	2	
1918	645	148	89	46	104		1		_	_	· .	1875-1884	3	$\bar{1}$	
1917	607	135	86	44	96	1900	58	21 17	7	3	5	1874	2	1	
1916	557	125	80	40	87	1899	42	17	3	2	5	1873	2	1 1	l
					1	1898	38 35	15	. 3	1	5	1872	1 1	1	
1915	505	112	81	38	73	1897	35	14	2	1	4			,	1
1914	450	103	70	36	61	1896		11	1	1	3				1
1913	376	85 78	52 45	27	52	1895	21	11	1	1	1	İ			
1912	324	78	45	21	44	l .	ļ.			ĺ					Į

^{*} Denotes first year for which figures include Alaska and Hawaii.

1 Includes data for kinds of business not shown separately.

2 Includes men's and boys' clothing and furnishings stores, and custom tailors.

3 Includes women's ready-to-wear; other apparel, accessory, specialty shops; and prizers.

Includes women's reauy-to-wear, outcomers, and all arguments of furriers.

A New basis; adjusted to reflect the classification, definition, and distribution of firms by size according to the 1967 Census of Business.

Old basis; based on the 1963 Census of Business.

Data for series T 198-219 not comparable with previous years because of industry classification changes, and the shift of "nonstore" operations into the general merchandise group.

⁷ New basis; adjusted to reflect the classification, definition, and distribution of firms by size according to the 1963 Census of Business.

⁸ Old basis; based on the 1958 Census of Business.

⁹ New basis; adjusted to reflect the classification, definition, and distribution of firms by size according to the 1958 Census of Business.

¹⁰ Old basis; based on the 1954 Census of Business.

¹¹ No longer available separately; included in total for group

¹² New basis; adjusted to reflect the classification, definition, and distribution of firms by size according to the 1954 Census of Business.

¹³ Old basis; based on the 1948 Census of Business.

Series T 225-244. Retail Trade Margins, by Kind of Store: 1869 to 1947 [Percent of retail value of sales]

			Gro	сегу							
	Year		Inde- pendent	Chain	Meat	Country general	Depart- ment	Mail order	Dry goods	Variety	Apparel
			225	226	227	228	229	230	231	232	233
1947 1939 1929 1919			18.0 19.0 19.5 19.5 19.5	17.5 18.2 18.5 18.0 17.0	20.3 23.6 24.7 25.8 26.8	17.9 17.9 18.4 19.0 18.7	35.6 36.4 33.4 32.8 29.3	28.0 27.4 26.8 26.2 25.6	28.0 28.0 28.0 29.0 27.0	36.0 84.6 34.7 34.7 33.3	37.7 36.0 34.1 31.8 29.6
1899 1889 1879 1869			19.5 19.0 18.5 18.0		28.0 29.0	18.1 17.8 17.5	25.6 22.2	25.0 24.4	21.4 19.2 18.7	31.0	27.5 25.4 23.2 21.1
	Sh	ioes	Furni-	Auto-		Coal		Farm			
Year	Inde- pendent	Chain	ture, inde- pendent	mobile acces- sories	Filling stations	and lumber	Hard- ware	imple- ments	Restau- rants	Drugs	Weighted mean ¹
	234	235	236	237	238	239	240	241	242	243	244
1947 1939 1929 1919 1909	34.5 32.9 31.2 29.5 28.0	27.6 28.9 30.5 32.0 33.5	40.0 41.2 41.2 39.0 31.2	32.6 32.6 29.1 26.5 26.5	19.5 19.0 16.5 14.0 22.0	25.8 25.0 24.0 22.5 20.5	29.0 27.8 26.4 25.0 23.6	23.0 21.9 20.6 19.2 18.0	58.0 56.3 54.3 52.4 52.0	33.0 33.0 34.6 34.6 33.6	2 29.7 29.7 28.6 28.0 27.6
1899 1889 1879 1869	26.3 24.7 23.1 21.4		31.2 30.6 30.0			19.5 19.0 18.5 18.0	22.2 23.7 25.2	18.0 19.6 21.4 23.0		31.8 30.2 28.4	26.2 25.1 24.1 23.2

¹ Includes classes not shown.

Series T 245-271. Retail Store Sales, by Kind of Business: 1929 to 1970

 $[\textbf{In millions of dollars.} \quad Includes \ nonstores; \ see \ text]$

					Dur	able goods s	tores]	Nondurable	goods stores	
	All		Automot	ive group	Furnitur	and applia	nce group	Lumber, hardwa	building, re group			P	Apparel grou	p
Year	stores	Total sales ¹	Passenger car, other automotive dealers	Tire, battery, accessory dealers	Total ²	Furniture, home- furnish- ings stores	Household appliance, T.V., radio stores	Lumber, building materials dealers ³	Hardware stores	Jewelry stores	Total sales ¹	Total	Men's and boys' wear stores	Women's apparel, accessory stores
	245	246	247	248	249	250	251	252	253	254	255	256	257	258
1970 1969 1968 1967 1966	375,527 362,935 339,324 313,809 303,956	114,288 115,517 110,245 100,173 98,301	59,388 63,091 60,660 53,966 54,144	5,578 5,126 4,601 4,307 3,945	17,778 17,291 16,540 15,267 14,558	10,483 10,523 10,227 (NA) (NA)	6,078 5,693 5,235 (NA) (NA)	11,995 11,630 10,984 9,781 9,769	3,351 3,367 (NA) 2,894 2,804		261,239 247,418 229,079 213,636 205,655	19,810 19,866 19,265 18,128 17,291	4,630 4,753 4,516 (NA) (NA)	7,582 7,499 7,429 (NA) (NA)
1965 1964 1963 1962 1961 4 1961 5	284,128 261,870 246,666 235,563 218,992 218,811	94,186 84,593 79,927 74,894 67,302 66,968	53,484 46,029 43,609 40,472 34,695 34,523	3,400 8,268 3,127 3,010 2,777 2,492	13,352 12,724 11,267 10,497 10,078 10,370	(NA) (NA) (NA) (NA) (NA) (NA)	(NA) (NA) (NA) (NA) (NA) (NA)	9,731 9,089 9,169 9,017 8,697 8,316	2,657 2,505 2,899 2,401 2,358 2,495		189,942 177,277 166,739 160,669 151,690 151,843	15,765 15,295 14,233 14,164 13,614 13,601	(NA) (NA) (NA) (NA) (NA) (NA)	(NA) (NA) (NA) (NA) (NA) (NA)
1960* 1959 1958 1957 1956	219,529 215,413 200,353 200,002 189,729	70,560 71,608 63,409 68,352 65,810	37,038 36,901 31,577 36,298 34,050	2,541 2,560 2,282 2,292 2,072	10,591 11,042 10,324 10,584 10,667	(NA) (NA) 6,636 6,601 6,568	(NA) (NA) 3,688 3,983 4,099	8,567 9,086 8,154 7,950 8,312	2,655 2,737 2,653 2,737 2,893		148,969 148,805 136,944 131,650 123,919	13,631 13,239 12,559 12,277 11,610	2,644 2,544 2,349 2,487 2,469	5,295 5,271 4,994 4,914 4,541
1955 1954 1953 1952 1951	183,851 169,135 169,094 162,353 156,548	66,978 58,173 60,371 55,270 54,479	36,267 29,962 31,498 26,393 26,282	1,959 1,703 1,822 1,944 1,874	10,055 9,079 9,125 8,926 8,604	6,116 5,291 5,136 5,255 5,095	3,939 3,788 3,989 3,671 3,509	8,242 7,433 7,715 7,572 7,470	2,788 2,702 2,706 2,628 2,738	(6) 1,452 1,351	116,873 110,962 108,723 107,083 102,069	10,791 10,147 10,256 10,633 10,209	2,294 2,239 2,249 2,497 2,461	4,207 4,009 4,089 4,233 4,049
1950 1949 1948 1947 1946 ⁴ 1946 ⁵	147,213 133,783 133,619 122,406 104,802 102,488	54,275 44,983 42,888 37,542 28,231 27,570	27,405 22,211 19,212 16,198 10,912 10,647	1,766 1,417 1,514 1,423 1,420 1,275	8,795 7,240 7,356 6,760 5,132 4,839	4,997 4,284 4,503 4,167 3,866 3,264	3,798 2,956 2,853 2,593 1,766 1,575	7,155 5,648 6,007 5,204 3,935 4,106	2,526 2,248 2,398 2,171 1,836 1,911	1,256 1,174 1,136 1,225 1,247 1,260	92,938 88,800 90,731 84,864 76,571 74,918	9,485 9,493 9,971 9,467 9,054 8,880	2,306 2,317 2,450 2,451 2,331 2,195	3,722 3,817 4,086 3,753 3,706 3,591

² 1948 data.

Series T 245-271. Retail Store Sales, by Kind of Business: 1929 to 1970—Con. [In millions of dollars]

					Dur	able goods s	tores]	Nondurable	goods stores	
	All		Automoti	ve group	Furniture	e and applia	nce group	Lumber, hardwa	building, re group			A	Apparel grou	р
Year	stores	Total sales ¹	Passenger car, other automotive dealers	Tire, battery, accessory dealers	Total ²	Furniture, home- furnish- ings stores	Household appliance, T.V., radio stores	Lumber, building materials dealers ³	Hardware stores	Jewelry stores	Total sales ¹	Total	Men's and boys' wear stores	Women's apparel, accessory stores
Ì	245	246	247	248	249	250	251	252	253	254	255	256	257	258
1945 1944 1943 1942 1941	78,034 70,208 63,235 57,212 55,274	16,026 13,942 12,221 12,320 17,213	5,000 4,420 3,768 3,404 8,185	855 739 670 623 704	2,740 2,310 2,107 2,370 2,576	2,101 1,848 1,692 1,776 1,780	639 462 415 594 796	2,502 2,102 2,024 2,332 2,442	1,237 1,030 903 973 905	997 909 894 710 566	62,008 56,266 51,014 44,892 38,061	7,689 6,704 6,158 5,089 4,137	1,769 1,524 1,405 1,268 1,076	3,338 2,964 2,670 2,042 1,635
1940 1939 1938 1937 1936	46,375 42,042 38,053 42,150 38,339	13,576 11,312 9,475 12,048 10,751	6,429 5,025 3,909 5,568 5,102	560 524 457 499 457	2,011 1,788 1,490 1,846 1,615	1,386 1,200 1,014 1,254 1,082	625 533 476 592 538	2,023 1,761 1,530 1,739 1,463	712 629 563 651 576	422 362 299 347 297	32,799 30,730 28,578 30,102 27,588	3,451 3,259 2,998 3,323 3,102	886 840 765 878 855	1,388 1,323 1,211 1,325 1,205
1935 1933 1929	32,791 24,517 48,459	8,321 5,384 15,610	3,863 2,142 6,432	374 226 599	1,290 959 2,755	852 646 1,813	438 313 942	1,105 854 2,621	467 311 706	235 175 536	24,470 19,133 32,849	2,656 1,930 4,241	727 542 1,358	1,026 754 1,408

						Nondural	ole goods sto	res—Con.					
	Apparel gr	oup-Con.			Food	group			Genera	l merchandis	e group		"
Year	Family and other apparel stores	Shoe stores	Drug and proprie- tary stores	Eating and drinking places	Total	Grocery stores	Gasoline service stations	Total 17	Depart- ment stores, excl. mail order	Mail order (catalog sales) 8	Variety stores	Other general merchan- dise	Liquor stores
	259	260	261	262	263	264	265	266	267	268	269	270	271
1970		3,501 3,618 3,196 (NA) (NA)	13,366 12,224 11,458 10,721 9,988	29,689 26,970 25,285 23,473 22,098	86,114 83,362 72,881 69,113 68,137	79,756 77,942 67,925 (NA) (NA)	27,994 25,909 24,526 22,789 21,792	61,320 57,606 54,493 49,820 46,961	37,295 35,659 33,323 29,589 27,868	3,853 3,538 3,256 (NA) (NA)	6,959 6,426 6,152 (NA) (NA)		7,980 7,384 6,969 6,409 6,081
1965 1964 1963 1962 1961 4 1961 5		(NA) (NA) (NA) (NA) (NA) (NA)	9,186 8,476 8,068 7,917 7,629 7,752	20,201 18,462 17,194 16,434 15,549 16,488	64,016 60,224 57,254 55,643 53,398 55,739	(NA) (NA) (NA) (NA) (NA) 50,369	20,611 19,196 18,319 17,644 17,007 17,959	42,299 38,289 34,232 32,537 29,874 25,059	25,014 22,224 (NA) (NA) (NA) (NA)	(NA) (NA) (NA) (NA) (NA) (NA)	(NA) (NA) (NA) (NA) (NA) (NA)		5,674 5,410 5,138 4,892 4,433 4,927
1960 * 1959 1958 1957 1956			7,538 7,150 6,600 6,325 5,775	16,146 15,618 14,792 14,787 14,317	54,023 51,739 50,263 47,786 44,223	48,610 46,132 44,547 42,444 39,180	17,588 16,793 15,757 15,070 13,738	24,085 23,420 21,667 21,157 20,762	(NA) (NA) 12,563 (NA) 11,327	(NA) (NA) 1,536 1,477 1,407	(NA) (NA) 3,609 3,523 3,423	(6) 3,943 4,254 4,605	4,893 4,743 4,439 4,212 3,944
1955 1954 1953 1952 1951			5,232 4,940 4,790 4,717 4,547	13,662 13,127 13,003 12,688 12,207	42,010 40,106 39,130 38,039 35,951	36,919 34,993 33,623 32,238 30,346	12,411 11,443 10,536 9,976 9,151	20,100 18,857 19,006 18,694 18,202	10,882 10,272 10,370 10,277 10,095	1,331 1,222 1,327 1,339 1,309	3,295 3,027 3,095 2,996 2,859	4,592 4,336 4,214 4,082 3,939	3,546 3,415 3,825 3,165 2,975
1950	(6)	1,556 1,498 1,510 1,487 1,417 1,377	4,205 4,074 4,050 3,904 3,759 3,723	11,158 10,994 11,218 11,183 11,152 10,619	31,889 30,101 30,093 27,577 23,315 24,155	26,886 25,248 25,215 22,907 18,980 18,640	8,240 7,590 7,077 5,979 4,922 4,511	17,275 16,339 17,170 16,088 14,755 14,724	9,649 9,083 9,579 9,108 8,431 9,	1,258 1,178 1,328 1,194 976	2,632 2,555 2,556 2,363 2,197 2,158	3,736 3,523 3,707 3,423 3,151 3,383	2,669 2,598 2 711 2,782 2,823 2,688
1945 1944 1943 1942 1941	1,442 1,215 1,114 865 700	1,140 1,001 969 914 726	3,155 2,924 2,628 2,213 1,847	9,575 8,305 7,216 5,699 4,570	19,233 17,918 16,447 14,788 12,244	14,593 13,665 12,481 11,368 9,312	3,284 2,812 2,628 3,089 3,466	11,802 11,076 10,162 9,204 7,973	6, 5	092 488 889 389 862	1,845 1,774 1,642 1,536 1,320	2,865 2,814 2,631 2,279 1,791	2,288 1,926 1,557 1,212 854
1940 1939 1938 1937 1936	479	632 617 591 636 586	1,636 1,563 1,474 1,527 1,409	3,787 3,529 3,188 3,293 2,748	10,732 10,156 9,505 9,699 9,008	8,169 7,722 7,187 7,266 6,850	2,970 2,822 2,696 2,641 2,318	6,859 6,475 6,145 6,673 6,366	(NA) (NA) (NA) (NA)	128 872 (NA) (NA) (NA)	1,153 1,080 1,015 1,025 967	1,578 1,523 1,536 1,755 1,731	681 586 539 558 475
1935 1933 1929	392 209 596	511 425 807	1,233 1,066 1,690	2,395 1,434 2,132	8,358 6,772 10,960	6,352 5,004 7,353	1,968 1,532 91,787	5,730 4,982 9,015	2,833 (NA) 3,903	386 (NA) 447	873 756 904	1,638 1,766 3,761	328 17

^{*} Denotes first year for which figures include Alaska and Hawaii.

NA Not available.

¹ Totals include subclasses not shown separately.

² Beginning 1959, includes music stores, not shown separately.

³ Includes lumber yards; building materials dealers; and paint, plumbing, and electrical stores.

⁴ Comparable with later years; see text.

⁵ Comparable with earlier years; see text.
⁶ No longer available separately; included in total for group.
⁷ Includes nonstores, i.e., establishments selling merchandise primarily through coin-operated vending machines, house-to-house canvass, and mail orders.
⁸ Includes sales made by mail order catalog desks located within department stores of mail order firms.
⁸ Excludes garages primarily selling gasoline and oil.

Series **T 272-273.** Index of Department Store Sales and Stocks: 1919 to 1970 [1957-59 = 100]

Year	Sales index	Stocks index	Year	Sales index	Stocks index	Year	Sales index	Stocks index	Year	Sales index	Stocks index	Year	Sales index	Stocks index
	272	273		272	273		272	273		272	273		272	273
1970 1969 1968 1967 1966 1965 1964 1964 1962 1961	239 230 212 190 179 160 142 127 118 109	279 250 231 213 192 166 150 135 121 110	1960	106 105 98 96 94 87 80 80 80	109 103 97 99 95 85 80 82 76 82	1950 1949 1948 1947 1946 1945 1944 1943 1942 1941	72 67 70 66 60 46 41 37 33 29	69 62 67 59 48 37 36 34 40 29	1940	25 23 21 23 20 19 18 16 16 21	24 22 22 24 21 20 20 18 20 24	1930 1929 1928 1927 1926 1925 1924 1923 1922 1921 1921 1920 1919	24 25 25 25 24 24 23 20 20 22 18	28 30 30 30 30 30 30 30 29 26 26 26 30 23

Series T 274-371. Wholesale Establishments, Sales, Operating Expenses, and Persons Engaged, by Kind of Business: 1929 to 1967

[Sales, inventories, and payroll in millions of dollars; paid employees and active proprietors in thousands]

		A	ll wholesale	establishme	nts 1	_				Merchant w	holesalers ²			
					Persons	engaged					Payroll, e	ntire year	Persons	engaged
Year	Number	Sales	Inven- tories, end of year	Payroll, entire year	workweek	Active proprietors of unin- corporated businesses	Number	Sales	Operating expenses (percent)	Inven- tories, end of year	Amount	Ratio to sales	Paid employees, workweek ended nearest Nov. 15	Active proprietors of unin- corporated businesses
	274	275	276	277	278	279	280	281	282	283	284	285	286	287
1967 1963 4 * 1963 5 * 1958 1954	311,464 308,177 308,177 285,996 250,322	459,476 358,386 358,386 284,977 233,976	28,117 20,150 20,150 14,943 13,046	23,922 18,101 18,101 13,199 10,868	3,519 3,089 3,089 2,791 2,555	122 138 138 1 1 150	212,993 208,997 208,997 190,492 163,157	206,055 157,392 157,392 122,060 100,103	13.5 13.5 13.5 13.4 13.0	21,463 14,992 14,992 11,253 9,492	15,368 11,545 11,545 8,278 6,865	13.4 13.6 13.6 14.8 15.8	³ 2,417 2,064 2,064 1,848 1,651	98 104 108 120 104
1948 4 1948 5 1939 6 1935 1933 6 1929 6	176.756	180,577 188,689 53,766 42,803 30,010 65,378	9,965 10,167 3,822 3,107 (NA) 5,195	7,734 7,991 2,511 2,022 1,659 2,922	2,305 2,383 71,553 71,261 71,188 71,550	131 163 126 97 (NA) 87	129,117 146,518 100,961 88,931 82,844 79,840	76,533 79,767 22,538 17,662 12,960 29,556	11.5 11.6 13.1 7.6 15.0 11.7	7,056 7,207 2,621 2,068 1,971 3,383	4,849 5,064 1,498 1,162 925 1,713	15.8 15.8 15.0 15.2 14.0 17,3	1,441 1,508 949 760 636 912	85 107 72 62

1					Me	erchant whol	lesalers 2—Co	on.				
	Gr	oceries, conf	ectionery, m	eat		Farm produ	cts ⁸ (edible))	Bee	er, wine, and	distilled spi	rits
Year	Number	Sales	Operating expenses (percent)	Persons engaged	Number	Sales	Operating expenses (percent)	Persons engaged	Number	Sales	Operating expenses (percent)	Persons engaged
	288	289	290	291	292	293	294	295	296	297	298	299
1967 1963 ** 1963 ** 1958 1954 1948 * 1948 * 1949 1939 1939 1939 1939	18,960 19,814 19,225 18,582 18,334 15,707 17,345 15,681 15,989 18,088 15,224	32,720.5 25,332.9 24,059.2 18,712.1 15,980.6 11,213.1 11,356.7 3,940.8 3,636.7 3,121.2 5,386.9	8.7 8.7 8.9 8.6 9.0 8.8 8.8 11.3 10.5 12.8 10.2	267,391 243,445 239,945 213,231 216,928 195,072 196,636 165,550 164,486	10,091 10,065 10,065 11,440 11,461 10,966 13,539 10,945 11,188 10,386 8,972	8,830.3 6,794.7 6,794.7 6,488.8 6,077.2 5,858.6 7,500.9 2,110.8 1,941.1 1,589.9 3,061.2	12.5 11.8 11.8 12.0 11.8 9.0 11.6 13.0 11.0 14.8	113,124 92,905 93,282 100,599 110,422 106,809 169,393 104,508 89,043	6,862 7,164 7,164 7,325 7,309 6,701 7,195 6,232 5,496 2,880	10,444.1 8,194.7 8,194.7 6,510.2 5,686.9 4,049.8 4,069.7 1,249.2 698.5 129.0	11.9 12.0 12.0 11.9 12.0 10.9 10.9 12.9 13.1 17.0	95,435 87,614 87,769 82,659 78,340 68,305 69,059 50,718 37,266

WHOLESALE TRADE

Series T 274-371. Wholesale Establishments, Sales, Operating Expenses, and Persons Engaged, by Kind of Business:
1929 to 1967—Con.
[Sales in millions of dollars]

				(Sales 1	n millions o	dollarsj						
			•		M	erchant who	lesalers 2—C	on.				
		Tobacco d	listributors		Drugs,	chemicals,	and allied p	oducts		Dry goods	, apparel 9	
Year	Numbers	Sales	Operating expenses (percent)	Persons engaged	Number	Sales	Operating expenses (percent)	Persons engaged	Number	Sales	Operating expenses (percent)	Persons engaged
	300	301	302	303	304	305	306	307	308	309	310	311
1967 1963 ⁴ * 1963 ⁵ * 1958 1954	2,515 2,753 2,753 2,759 2,759 2,858	5,315.4 4,682.1 4,682.1 3,668.8 3,208.9	5.9 5.6 5.6 5.6 5.9	35,370 33,536 33,570 30,994 30,848	7,701 7,792 7,792 7,097 5,837	7,807.9 5,996.1 5,996.1 4,640.8 3,369.9	15.5 15.9 15.9 15.1 15.1	107,182 91,483 91,590 82,481 71,366	8,846 9,227 9,227 9,199 9,389	8,861.4 7,026.8 7,026.8 5,900.9 5,689.7	14.2 13.5 13.5 13.5 13.5	95,887 79,992 80,161 80,852 83,811
1948 4	2,701 3,019 2,717 2,253 1,738 1,721	2,487.1 2,529.6 1,106.2 783.4 523.7 858.3	5.2 5.2 4.9 5.5 6.4 7.4	28,406 28,886 21,122 16,862	4,124 4,671 3,298 2,989 2,543 10 2,376	2,243.3 2,282.2 801.8 722.9 575.7	15.9 15.8 17.3 15.6 11.0	57,775 58,679 41,824 35,926	9,604 11,733 8,275 7,567 6,392 7,543	5,529.5 5,727.7 1,889.0 1,634.8 1,262.2 2,849.3	11.9 11.8 13.1 12.8 14.5 13.4	84,977 88,745 75,385 69,624
			<u>. </u>	<u>'</u>	Me	erchant who	lesalers 2—C	on.		<u> </u>	<u>'</u>	
!	Fu	rniture, hor	nefurnishing	g 11		Paper and	allied produ	ıets	Far	m products	(raw materia	als)
Year	Number	Sales	Operating expenses (percent)	Persons engaged	Number	Sales	Operating expenses (percent)	Persons engaged	Number	Sales	Operating expenses (percent)	Persons engaged
	312	313	314	315	316	317	318	319	320	321	322	323
1967 1963 4 * 1963 6 * 1968 5 *	6,047 6,265 6,265 5,359 5,324	4,328.6 3,400.1 3,400.1 2,510.1 2,274.6	19.1 19.4 19.4 19.2 18.6	70,164 61,956 62,054 54,162 52,793	7,663 7,046 7,046 5,182 5,057	6,421.7 4,714.6 4,714.6 3,564.1 2,961.0	17.4 17.2 17.2 15.8 15.9	105,672 85,851 85,951 67,424 61,123	4,044 3,565 3,565 4,195 3,853	16,176.3 13,689.9 13,689.9 9,593.8 9,231.9	3.4 3.3 3.3 4.5 4.0	39,217 36,790 36,968 41,768 41,317
1948 4 1948 5 1989 1935 1933 1929	3,189 3,813 2,214 1,959 1,788 1,750	1,249.2 1,314.9 373.5 243.5 175.0 494.8	17.3 16.6 17.2 17.8 22.5 18.9	34,402 34,929 20,265 15,871	3,630 4,044 2,898 2,549 2,221 2,297	1,880.0 1,901.7 575.0 408.9 333.4 704.4	15.5 15.5 17.2 18.3 20.7 16.4	50,553 51,468 33,605 27,543	2,059 2,594 2,086 2,199 2,433 3,240	6,771.0 6,904.0 1,628.7 1,562.5 1,224.7 3,665.9	3.6 3.6 6.9 6.7 6.9 4.5	24,326 26,592 29,281 23,712
		1	1		M	erchant who	lesalers 2—C	on.			<u> </u>	
		Automotive	e wholesalers	<u>-</u>	Ele	ctrical, elect distri	ronics applia	ance	Hard	lware, plum	bing and hea	ting
Year	Number	Sales	Operating expenses (percent)	Persons engaged	Number	Sales	Operating expenses (percent)	Persons engaged	Number	Sales	Operating expenses (percent)	Persons engaged
	324	325	326	327	328	329	330	331	332	333	334	335
1967 1963 4 * 1963 5 * 1968 5 * 1958	28,518 26,946 26,500 20,823 15,540	14,093.4 10,444.7 10,303.9 7,098.4 3,977.5	18.5 19.5 19.5 20.0 22.6	274,698 240,711 237,749 191,875 144,532	11,376 10,978 10,978 9,488 7,123	13,622.1 9,910.6 9,910.6 7,928.2 6,337.7	14.5 14.7 14.7 14.4 14.0	157,041 133,170 133,350 128,346 111,299	8,830 8,404 8,404 7,526 6,183	7,425.8 6,012.9 6,012.9 5,307.4 4,397.7	18.6 18.0 18.0 17.8 17.2	127,421 110,661 110,769 112,029 103,860
1948 4 1948 5 1939 1935 1935 1929		3,917.6 4,091.6 1,055.4 780.4 438.0 1,383.1	18.1 17.8 17.5 16.8 23.0 15.0	145,023 146,459 72,616 53,820	5,041 5,443 3,072 2,438 2,125 2,182	4,309.3 4,424.6 788.0 576.5 275.8 846.7	12.8 12.7 16.6 17.8 22.3 16.9	91,772 93,325 40,147 31,698	5,189 5,576 3,568 2,872 2,614 2,953	3,680.2 3,730.5 972.0 671.4 484.9 1,212.7	15.2 15.2 18.4 18.8 22.5 19.3	100,721 101,913 64,358 49,821

Series T 274-371. Wholesale Establishments, Sales, Operating Expenses, and Persons Engaged, by Kind of Business: 1929 to 1967—Con.

[Sales in millions of dollars]

	<u> </u>		 		III IIIIIIIII							 -
					M.	erchant who	lesalers º—C	on.				
	Lur	nber, constr wholes	uction mater salers ¹	rials	Ma	chinery, equ distrib	ipment supp utors ¹²	olies	Met	als, metalwo distri	rk (except s butors	erap)
Year	Number	Sales	Operating expenses (percent)	Persons engaged	Number	Sales	Operating expenses (percent)	Persons engaged	Number	Sales	Operating expenses (percent)	Persons engaged
ţ	336	337	338	339	340	341	342	343	344	345	346	347
1967 1963 ⁴ * 1963 ⁶ * 1968 -	10,877 11,643 11,643 9,463 10,314	9,073.7 8,712.6 8,712.6 6,271.5 6,586.2	15.6 15.2 15.2 13.4 16.1	123,603 129,483 129,693 102,748 132,724	40,999 38,419 38,865 32,593 27,150	25,279.4 17,471.3 17,612.1 18,259.1 10,039.9	20.4 21.1 21.1 20.5 20.2	456,048 363,964 368,905 299,285 254,060	5,395 5,547 5,547 4,792 13 3,235	11,862.7 7,934.5 7,934.5 5,540.9 13 3,362.6	11.9 12.4 12.4 13.6 13 14.5	103,459 83,174 83,261 74,689
1948 4 1948 5 1939 1985 1983 1929	5,576 5,890 3,303 2,817 2,636 3,774	3,890.0 3,934.7 804.4 491.9 278.7 1,283.9	14.1 14.0 15.2 16.7 22.7 15.8	89,427 90,036 38,918 29,110	19,573 21,755 11,270 14 7,583 14 6,226 6,988	6,723.1 6,827.8 1,440.4 ¹⁴ 863.5 ¹⁴ 505.6 1,268.8	18.2 18.1 20.0 421.1 425.4 19.1	203,642 207,062 96,311 4 67,379	1,706 1,803 1,017 810 748 856	1,951.1 2,056.7 516.0 282.0 160.5 672.6	12.9 12.1 12.0 13.2 15.8 8.1	33,844 34,395 17,705 11,343
· · · · · · · · · · · · · · · · · · ·	Me	erchant who	lesalers 2—C	on.				•				
	Ser	rap, waste n	aterials deal	ers	MI	(with	' sales branc stocks)	nes	N	withou	rs' sales offic t stocks)	es.
Year	Number	Sales	Operating expenses (percent)	Persons engaged	Number	Sales	Operating expenses (percent)	Persons engaged	Number	Sales	Operating expenses (percent)	Persons engaged
	348	349	350	351	352	353	354	355	356	357	358	359
1967 1963 ^{4*} 1963 ^{5*} 1968	7,814 8,174 8,174 9,491 8,189	4,423.0 3,484.3 3,484.3 2,898.3 2,405.6	17.3 17.8 17.8 18.7 17.8	84,536 78,105 78,391 81,528 75,499	16,709 16,408 16,408 15,088 13,14,759	67,174.6 54,857.4 54,857.4 41,797.7 1336,811.2	11.3 10.6 10.6 10.8 13 10.5	491,613 435,573 435,575 419,415 13 404,098	13,970 12,476 12,476 10,093 16,7,831	89,921.9 61,585.9 61,585.9 45,959.8 1532,722.5	4.1 4.2 4.2 4.8 4.8	193,425 164,855 164,885 140,954 15 111,888
1948 4 1948 5 1939 1985 1983 1929	6,440 7,717 6,059 4,793 3,360 3,919	2,663.6 2,699.3 656.0 399.7 272.2 474.5	11.8 11.9 14.7 14.5 10.8 12.3	65,582 67,227 52,379 34,830	15,687 15,716 12,844 11,541 12,444 17 16,863	28,609.8 29,229.7 9,610.3 7,403.6 5,144.7 1716,174.0	10.0 10.0 12.5 11.8 14.9	410,199 412,252 267,774 16 212,452	8,019 8,052 5,082 4,065 4,429	22,191.1 23,508.9 4,643.8 3,535.1 2,412.7	4.0 4.3 6.9 6.4 7.4	89,992 90,144 47,699 18 39,607
	Petro	leum bulk s	tations, tern	ninals		Agents as	nd brokers	<u> </u>	Asset	nblers (main	ly farm pro	lucts)
Year	Number	Sales	Operating expenses (percent)	Persons engaged	Number	Sales	Commissions earned (percent)	Persons engaged	Number	Sales	Operating expenses (percent)	Persons engaged
	360	361	362	363	364	365	366	367	368	369	370	371
1967 1963 ** 1963 ** 1968 ** 1958	30,229 30,873 30,873 30,424 29,189	24,821.8 21,485.4 21,485.4 20,130.8 16,038.4	0.3 (NA) (NA) 11.9 10.0	156,708 151,541 151,618 147,351 154,760	26,462 25,813 25,813 26,567 22,181	61,347.0 53,245.0 53,245.0 46,422.6 39,250.5	4.0 3.6 3.6 3.3 3.1	195,838 184,459 184,678 169,597 148,595	11,101 14,110 14,110 14,096 18 13,255	10,155.5 9,820.5 9,820.2 8,998.6 18 9,050.8	8.6 9.0 9.0 9.0 9.0	88,564 117,849 117,986 123,314 18 130,337
1948 4	28,351 29,451 30,825 27,338 20 26,176 19,587	10,483.1 10,615.7 3,807.9 2,704.0 201,884.6 2,101.1	9.0 9.0 11.0 14.5 20 19.8 16.0	134,897 136,418 123,017 16 105,118	18,138 24,861 21,083 18,147 13,818 18,467	82,839.7 84,610.1 11,779.5 8,908.1 6,502.4 14,517.2	2.5 2.6 19 2.8 19 2.9 19 3.2 19 3.2	116,148 123,470 111,125 88,064	16,787 19,268 28,981 26,515 23,962 84,143	9,920.3 10,957.9 2,509.6 2,463.0 1,774.1 4,452.1	6.1 6.1 9.3 6.7 9.8	158,956 169,182 168,673 115,381

^{*} Denotes first year for which figures include Alaska and Hawaii.

NA Not available.

¹ Beginning 1954, excludes ready-mixed concrete distributors, no longer part of wholesale trade but included in selected service trade.

² Includes subclasses not shown separately.

² For workweek ended nearest March 12.

⁴ Comparable with later years.

⁵ Comparable with earlier years.

⁵ Data for series T 274-279 for 1939, 1933, and 1929 are revised; revised data for other series for these years not available.

² Average annual number of full-time and part-time employees.

⁵ Fresh fruit and vegetable wholesalers and poultry and dairy products distributors.

Milk bottling plants are included in the 1948 (unrevised) and earlier data.

² Includes dessed furs.

¹⁵ Includes 42 distilled spirits wholesalers with sales of 13 million dollars and operating expenses of 24.7 percent.

¹¹ Beginning 1954, includes musical instruments and sheet music wholesalers.

¹¹ Beginning 1948, includes air conditioning and ventilating equipment distributors. Such distributors were classified in the plumbing and heating category in earlier years but were of negligible importance.

¹³ For 1954, 142 sales branches (with stocks) of steel works and rolling mill companies are included in metal distributors rather than manufacturers' sales branches. They had sales of 172 million dollars.

¹⁴ Excludes wholesalers of shoe finding and cut stock; in 1929, 555 such establishments had sales of 56 million dollars. Persons engaged in optical goods segment partially estimated.

¹⁵ Includes a moderate amount of underenumeration because, in the mail canvass, the activities of some branches and offices were reported as those of the manufacturing plant or an auxiliary establishment.

¹⁶ Partly estimated.

¹⁷ Figures not available separately for "manufacturers' sales branches (with stocks)" and "manufacturers' sales offices (without stocks);" figure shown is for both.

¹⁸ Beginning 1954, excludes fish and seafood assemblers, which are included in the grocery, confectionery, meat group. In 1948 (adjusted) there were 544 such establishments with sales of 117 million dollars, and operating expenses of 23.5 percent.

¹⁹ Operating expenses.

²⁰ Includes district and general sales offices.

Series T 372-374. Sales of Wholesale Establishments: 1939 to 1962

In billions of dollars	
	1

Year	Total	Durable goods establish- ments	Non- durable goods establish- ments	Year	Total	Durable goods establish- ments	Non- durable goods establish- ments	Year	Total	Durable goods establish- ments	Non- durable goods establish- ments	Year	Total	Durable goods establish- ments	Non- durable goods establish- ments
	372	373	374		372	373	374		372	373	374		372	373	374
1962 1961 * 1960 1959 1958	156.7 150.7 148.0 147.5 133.1	54.2 51.4 53.3 55.4 47.3	102.5 99.3 94.7 92.1 85.8	1955 1954 1953 1952 1951	127.4 116.8 117.7 114.8 112.4	48.2 40.0 41.4 39.3 39.6	79.2 76.8 76.3 75.4 72.8	1948 1947 1946 ¹ 1946 ² 1945	90.6 82.9 67.9 71.9 53.7	29.2 26.0 18.7 17.6 10.9	61.4 57.0 49.2 54.3 42.8	1942 1941 1940 1939	41.1 36.4 28.9 26.2	9.6 10.2 7.5 6.3	31.5 26.2 21.4 20.0
1957 1956	135.2 135.3	50.5 52.8	84.8 82.5	1950 1949	101.0 86.6	35.4 27.2	65.7 59.3	1944 1943	49.8 46.0	10.1 9.4	39.7 36.5	'			

^{*} Denotes first year for which figures include Alaska and Hawaii.

Beginning 1946, excludes wholesale establishments with no paid employment.

Series T 375-383. Sales, Stocks, and Stock-Sales Ratios of Merchant Wholesalers: 1948 to 1970

	Al	l establishmen	te	Durable	goods establis	hments	Nondurab	le goods establ	ishments
Year	Sales	Stocks, end of year	Stock- sales ratio	Sales	Stocks, end of year	Stock- sales ratio	Sales	Stocks, end of year	Stock- sales ratio
	375	376	377	378	379	380	381	382	383
1970 1969 1968 1968 1967	246,643 236,708 219,943 205,188 203,751	26,604 24,363 22,528 21,557 20,691	1.23 1.19 1.20 1.21 1.14	111,778 109,578 100,012 90,447 91,026	15,565 14,579 13,454 12,543 12,112	1.61 1.53 1.54 1.61 1.49	134,865 127,130 119,930 114,741 112,724	11,039 9,784 9,074 9,014 8,579	0.92 .85 .91 .90
1965 1964 1963 1962 1961	187,141 174,329 160,578 152,082 143,850	18,274 16,977 16,048 14,936 14,488	1.14 1.13 1.15 1.16 1.20	82,691 75,722 68,696 64,541 59,836	10,575 9,809 9,119 8,631 8,315	1.49 1.49 1.54 1.57 1.63	104,450 98,607 91,882 87,541 84,014	7,699 7,168 6,929 6,305 6,173	.8' .86 .81 .86
1960	139,866 137,893 123,083 125,705 126,153	14,120 13,879 12,739 12,730 13,260	1.22 1.15 1.24 1.23 1.19	58,581 59,349 60,437 53,760 56,308	8,121 7,861 7,150 7,115 7,074	1.69 1.53 1.66 1.58 1.43	81,285 78,544 72,646 71,945 69,845	5,999 6,018 5,589 5,615 6,186	.8 .8 .9 .9 1.0
1955	118,713 107,920 108,624 105,379 103,163	11,678 10,637 10,686 10,210 9,886	1.13 1.18 1.17 1.12 1.16	51,412 42,639 44,079 41,905 42,229	6,261 5,477 5,547 5,312 5,207	1.36 1.54 1.52 1.47 1.47	67,301 65,281 64,545 63,474 60,934	5,417 5,160 5,139 4,898 4,679	.9 .9 .9: .8:
1950 1949 1948	92,336 78,163 81,699	9,284 7,706 7,957	1.07 1.19 1.13	37,695 29,014 31,101	4,691 3,818 3,999	1.29 1.61 1.42	54,641 49,149 50,598	4,593 3,888 3,958	.9 .9 .9

Series T 384-390. Wholesale Trade Margins of Independent Wholesalers: 1869 to 1947 [Percent of wholesale value of sales]

Year	Dry goods	Furniture	Automo- bile acces- sories	Gasoline and oil	Lumber 388	Hard- ware	Drug (general line)	Year	Dry goods	Furniture	Lumber 388	Hard- ware	Drug (general line)
1947 1939 1929 1919 1909	18 18 18 18 18	22.0 22.0 18.0 16.2 15.0	23.0 24.0 25.5 25.0 25.0	16.5 17.5 17.8 16.0 18.0	17.0 16.0 14.2 13.0 11.5	24.0 24.0 23.0 22.0 20.0	15.6 15.2 16.0 16.6 15.2	1899 1889 1879 1869	17 16 15 14	14.0 14.0 14.0 14.0	10.0 10.0 10.0 10.0	19.0 19.0 19.0 19.0	13.6 12.2 11.0 10.0

² Comparable with earlier data.

Series T 391-443. Selected Service Establishments and Receipts: 1929 to 1967

					-					ve propriet	1			1	1	
-	Esta	blishment	ta e	A 11		Establish with pay			Establishn vithout pa			Payroll		Paid employe	ees, pro	Active prietors
Year	Number		7ith yroll	All establish- ments	l	tal	Average per estab- lishment (dollars)	Tot	al p	Average per estab- lishment (dollars)	Enti yea	re r 1	orkweek ended nearest Jov. 15	workwe ended neares Nov.	l cor st bu	funin- porated sinesses
	391	3	92	393	39	04	395	39	6	397	398		399	400		401
1967 1963 * 1958 * 1954	1,187,81 1,061,67 975,28 785,58	73 50 50 44	21,410 04,356 42,584 75,149	60,54: 44,58: 32,370 23,50	2 5 6 4 6 2 8 2	5,527 1,023 9,001 1,263	106,494 81,338 65,526 56,680	1 2	5,015 3,563 3,375 2,245	7,526 6,393 6,336 5,469	12	,524 ,192 ,006 ,534	241 167 126	1 3, 3, 2,	262 889 362	1,082 1,017 992 782
1948 ² 1948 ³ 1939 ² 1939 ³ 1935	617,00 665,48 656,48 646,02 631,30 502,41	75 32 28 		13,23 13,29 4,87 3,42 3,00 2,76	2 0 1	A) 2,164	(NA) 32,879	(N ₄	A) 1,132	(NA) 3,830	1 1	,164 ,384 ,070	(NA) 81	(NA	102	(NA) 667 651 652 (NA) 546
			1	_,	1			Personal	services		1					
		-							BEI VICES		 ,	Laundry, o	eleaning e	nd garme	nt service	
Year	Tot	al 5		beauty nops	Funeral crema	services, tories	Shoe shops, sl parlor cleaning	noeshine s, hat	studio comn	graphic s (incl. nercial graphy		tal 5	Dry cl	eaning nts	Coin-oi	erated
-	Number	Receipts	Number	Receipts	Number	Receipts	Number	Receipts	Number	Receipts	Number	Receipts	Number	Receipts	Number	Receipts
	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417
1967 1963 * 1958	498,935 447,080 413,180 348,843	11,750 9,163 7,422 5,773	257.236	3,375 2,525 1,811 1,206	20,191 20,529 20,767 18,387	6 1,517 1,299 1,016 744	16,270 21,486 27,775 29,385	207 208 232 202	26,558 19,544 20,028 17,293	745 495 423 334	111,926 109,740 107,204 106,520	5,432 4,357 3,708 3,180	7 81,519 33,580 34,311 29,200	7 2,004 1,511 1,357 1,138	29,551 26,153 (NA) (NA)	557 378 (NA) (NA)
1948 ²	325,246 351,985 389,726 369,081 320,863	4,421 4,440 21,822 1,517 1,223	153,764 169,081 205,268 186,810 159,905	834 845 481 402 321	18,480 18,675 18,196 17,144 12,655	572 572 262 230 172	44,151 59,371 61,046	215 219 119 110 97	13,788 14,712 10,957 10,402 8,330	64	96,106 101,127 90,048 90,335 79,907	874	25,313 25,534 12,616 6,910 3,864	844 844 193 141 98	7,844 8,523	65 65
	Pers	onal Con.	N	liscellaneo serv		58				Automobil	e repair, g	arage, oth	er services	<u> </u>		
Year		wer	To	tal		rtising	Tot	al 5		mobile shops	truck	nobile, rentals drivers)	Autor storage,	nobile parking	Autor laun	nobile dries
	Number	Receipts	Number	Receipts	Number	Receipts	Number	Receipts	Number	Receipts	Number	Receipts	Number	Receipts	Number	Receipts
	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433
1967	76,350 710,050 711,262 79,612	7 942 7 1,040 7 1,022 7 914	147,668 114,450	15,193 9,919	20,124 12,896 12,180 8,239	8,342 6,384 4,926 3,498	139,611 125,691	7,028 5,444 3,869 2,223	109,946 114,459 103,724 79,709	3,588 2,759	7 5,832 7 4,323 4,714 2,872	7 2,060 7 1,187 616 278	10,606 11,269 10,998 8,572	484 416 366 292	7 3,918 7 2,338 2,660 1,657	⁷ 236 ⁷ 139 90 44
1948 ²	6,770 6,783 6,773 6,470 5,122	870	32,007 26,188 29,859	510	5,910 5,986 91,628 91,212 1,479	652 652 97 971 190	78,881 92,471	1,558 1,561 441 588 585	80,705 84,875 66,178 79,553	1,272 316 433	994 1,011 648 765 881	84 84 20 16 5		190 190 102 87 27	717 792 960 907 733	10 10 3 3 2

SELECTED SERVICES—ADVERTISING

Series T 391-443. Selected Service Establishments and Receipts: 1929 to 1967—Con.

[Receipts and payroll in millions of dollars; paid employees and active proprietors in thousands]

		Miscellaneous	repair services		Hotels, tou	rist courts,			Amusement	recreation
Year	То	tal	Elect repair		motels, tra and c		Motion	pictures		, except pictures
	Number	Receipts	Number	Receipts	Number	Receipts	Number	Receipts	Number	Receipts
	434	435	436	437	438	439	440	441	442	443
1967 1963 * 1958 1954	138,014 146,116 145,163 113,429	3,827 3,022 2,270 1,796	47,886 61,186 51,269 32,195	1,329 1,116 763 502	87,006 84,706 85,890 66,962	7,039 5,049 3,924 3,027	16,752 16,381 19,657 20,843	3,476 2,583 2,431 2,352	96,029 79,451 75,164 52,509	4,827 3,990 2,673 2,021
1948 ² 1948 ³ 1939 ²	71,338 80,023 75,262	941 947 224	17,076 19,440 15,644	213 215 48	52,518 55,569 41,508	2,366 2,368 900	18,532 18,631	1,353 1,614	30,630 31,716	1,058 735
1939 ² 1939 ³ 1935	72,130 11 71,426 53,010	195 11 148 91	15,644 10,131 126,892	48 23 12 17	41,508 38,670 13 29,462 14 3,328	900 744 13 516 14 963	15,115 12,024 10,265	673 508 415	29,802 25,653 19,472	325 191 105

* Denotes first year for which figures include Alaska and Hawaii.

NA Not available.

¹ Paid employees for week including March 12.

² Comparable with later years. 1939 data comparable with earlie: years are: Series 402, 388,918; series 403, 1,820 mil. dol.

³ Comparable with earlier years.

⁴ Average annual number of full-time and part-time employees.

⁵ Includes subclasses not shown separately.

⁶ About 7 percent represents repayment of cash advances which are not part of the cost of the complete funeral service. Receipts in prior censuses did not include such advances. advances.

7 Establishments with payroll only.

8 Data prior to 1933 are as follows:

	Number of	несегрів
Year	establishments	(mil. dol.)
1931	6.400	466.0
1929	6.776	541.2
1927		454.0
1925	4.859	362.3
1919 2		233.8
1919 *		236.1
1914	6 097	142.5

Series T 444-471. Volume of Advertising, by Medium: 1867 to 1970

[In millions of dollars]

					Newspaper	S			Magazines				Telev	rision	
Year	Total	National	Local	Total	National	Local	Total	Weeklies	Women's	Monthlies	Farm, national	Total	Network	Spot	Local
	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458
1970	19,600	11,485	8,115	5,745	1,014	4,731	1,323	617	301	374	31	3,665	1,712	1,247	706
1969	19,482	11,518	7,964	5,753	1,059	4,694	1,376	662	308	374	32	3,585	1,678	1,253	654
1968	18,127	10,883	7,244	5,265	990	4,275	1,318	657	284	342	35	3,231	1,523	1,131	577
1967	16,866	10,250	6,616	4,942	936	4,006	1,280	651	282	312	35	2,889	1,455	968	466
1966	16,670	10,213	6,457	4,896	975	3,920	1,291	658	280	316	37	2,823	1,393	988	442
1965	15,255	9,398	5,857	4,457	869	3,587	1,199	610	269	282	37	2,515	1,237	892	386
1964	14,155	8,745	5,410	4,148	848	3,300	1,108	583	231	260	34	2,289	1,132	806	351
1963	13,107	8,148	4,959	3,804	765	3,039	1,034	540	218	244	32	2,032	1,025	698	309
1962	12,381	7,683	4,698	3,681	782	2,900	973	519	200	223	31	1,897	976	629	292
1961	11,845	7,270	4,575	3,623	802	2,821	924	508	187	200	29	1,691	887	548	256
1960	11,932	7,296	4,636	3,708	836	2,867	941	525	184	200	32	1,590	783	527	281
1959	11,255	6,835	4,420	3,546	826	2,720	866	478	168	185	35	1,494	740	486	267
1958	10,302	6,331	3,971	3,193	769	2,424	767	425	151	158	33	1,354	709	397	248
1957	10,311	6,253	4,057	3,283	810	2,474	814	451	164	161	38	1,265	670	352	244
1956	9,905	5,926	3,979	3,236	789	2,447	795	440	166	153	37	1,207	625	329	253
1955	9,194	5,407	3,788	3,088	743	2,345	729	396	161	133	39	1,025	540	260	225
1954	8,164	4,812	3,352	2,695	635	2,060	668	363	152	114	39	809	422	207	180
1953	7,755	4,521	3,235	2,645	643	2,002	667	351	158	118	41	606	320	146	141
1952	7,156	4,096	3,060	2,473	562	1,910	616	325	149	101	41	454	256	94	104
1951	6,426	3,701	2,725	2,258	549	1,709	574	297	144	95	38	832	181	70	82

<sup>For advertising agencies only.
Covers only general repair garages, paint shops, radiator shops, top and body repair shops, tire repair shops, and brake repair shops.
Includes boat repair shops not included in other years.
Excludes refrigerator repair and washing machine repair establishments.
Hotels only.
Limited to hotels with 25 or more guest rooms.</sup>

Series T 444-471. Volume of Advertising, by Medium: 1867 to 1970—Con.
[In millions of dollars]

					Newspapers				Magazines				Telev	rision	
Year	Total	National	Local	Total	National	Local	Total	Weeklies	Women's	Monthlies	Farm, national	Total	Network	Spot	Local
	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458
1950 1949 1948 1947	5,710 5,202 4,864 4,260	3,257 2,965 2,776 2,487	2,453 2,237 2,088 1,772	2,076 1,916 1,750 1,475	533 476 394 336 248	1,542 1,440 1,356 1,139 911	515 493 513 493 427	261 245 258 246 202	129 129 133 133 127	88 84 87 85 76	87 35 35 29 22	171 58	85 29	31 9	55 19
1946 1945 1944 1943 1942	3,364 2,875 2,724 2,496 2,156 2,156	1,963 1,775 1,669 1,452 1,212	1,401 1,099 1,054 1,045 944 977	1,158 921 888 900 798 844	211 197 182 144 165	710 691 718 654 680	365 324 275 199 214	188 173 154 107	97 82 65 51 52	59 51 39 28 32	20 18 16 12 12				
1940	2,236 2,088 1,980 1,904 2,072 1,902	1,259 1,163 1,086 1,031 1,103 1,003	925 895 873 969 899	815 793 782 873 844	163 153 150 173 171	652 640 632 700 673 610	198 180 169 193 162	104 88 75 83 67	49 48 52 60 57 52	34 32 31 38 30	12 11 11 12 8				
1935	1,690	859	831	762	152	610	136	54	52	25	6				
		Ra	dio		Farm	Direct	Business		Outdoor	,	N	Iiscellaneo	цв		
Year	Total	Network	Spot	Local	papers	mail 	papers	Total	National	Local	Total	National	Local	Year	Total
	459	460	461	462	463	464	465	466	467	468	469	470	471	ļ	444
1970 1969 1968 1967 1966	1,278 1,264 1,190 1,031 1,010	58 59 63 64 64	355 368 360 310 308	865 837 767 658 639	31 32 33 33 34	2,734 2,670 2,612 2,488 2,461	740 752 714 707 712	234 213 208 191 178	154 138 137 126 118	80 75 71 65 60	3,850 3,837 3,556 3,306 3,267	2,148 2,165 2,035 1,917 1,904	1,702 1,672 1,521 1,389 1,363	1934 1933 1932 1931	1,627 1,302 1,627 2,282
1965 1964 1963 1962 1961	917 846 789 736 683	60 59 56 46 43	275 256 243 233 221	582 581 490 457 420	34 33 34 34 33	2,324 2,184 2,078 1,933 1,850	671 623 615 597 578	180 175 171 171 180	120 117 115 115 122	60 58 56 56 59	2,959 2,750 2,551 2,359 2,283	1,751 1,614 1,519 1,400 1,296	1,209 1,138 1,032 959 987	1930 1929 1928 1927 1926	2,607 3,426 3,262 3,262 3,262
1960 1959 1958 1957 1966	692 656 619 618 567	43 44 58 64 61	222 206 190 187 161	428 406 372 368 346	35 36 34 34 36	1,830 1,688 1,589 1,471 1,419	609 569 525 568 496	203 193 192 199 201	137 130 129 134 136	66 63 62 65 65	2,328 2,206 2,030 2,059 1,948	1,368 1,278 1,199 1,184 1,115	960 928 830 874 833	1925 1924 1923 1922 1921	3,099 2,935 2,935 2,607 2,282
1955 1954 1953 1952 1962	545 559 611 624 606	84 114 141 162 180	134 135 146 142 138	326 309 324 321 289	34 32 31 29 26	1,299 1,202 1,099 1,024 924	446 408 395 365 292	192 187 176 162 149	130 126 119 109 101	63 61 57 53 49	1,836 1,604 1,525 1,409 1,265	1,040 895 845 766 693	796 710 679 643 572	1920 1919 1918 1917 1916	2,935 2,282 1,468 1,627 1,468
1950 1949 1948 1947 1946	605 571 562 506 454	196 203 211 201 200	136 123 121 106 98	273 245 230 199 157	21 21 20 20 14	803 756 689 580 834	251 248 251 233 211	143 131 132 121 86	96 88 89 79 60	46 43 43 43 26	1,125 1,010 947 833 680	610 540 509 461 385	515 470 438 372 294	1915 1914 1909 1904	1,302 1,302 1,142 821
1945 1944 1943 1942 1941	424 394 314 260 247	198 192 157 129 125	92 87 71 59 52	134 114 86 73 70	12 11 9 6 7	290 326 322 329 353	204 177 142 98 89	72 56 42 44 53	50 39 30 31 37	22 17 13 13 16	587 549 493 422 430	366 328 274 224 224	221 221 219 198 205	1890 1880 1867	360 200 50
1940 1939 1938 1937 1935	216 184 167 165 122 113	113 99 89 89 76 63	42 35 34 28 23 15	60 50 44 48 24 35	7 6 3 7 4 4	334 333 324 333 319 282	76 69 61 70 61 51	45 44 43 44 38 31	34 33 32 33 29 23	11 11 11 11 10 8	398 372 356 388 353 312	204 184 172 185 164 137	194 188 183 204 189 175		

ADVERTISING T 472-491

Series T 472-484. Indexes of National Advertising Expenditures, by Medium: 1935 to 1970

[1967 = 100]

	General			Magazines			Network	Spot	Network	Spot	News-	Business	Outdoor
Year	index	Total	Weekly	Women's	General	Farm	radio	radio	television	television	papers	papers	advertising
	472	473	474	475	476	477	478	479	480	481	482	483	484
1970 1969 1968 1967 1966 1966	112 114 106 100 100	103 108 103 100 101	95 102 101 100 101	107 109 101 100 99	120 120 110 100 101	89 91 100 100 106	88 92 98 100 100	118 117 115 100 98	114 115 105 100 96	125 127 114 100 100	108 113 106 100 104	105 106 101 100 101	122 110 109 100 94
1965 1964 1963 1962 1961	91 84 78 74 70	94 87 81 76 72	94 90 83 80 78	95 82 77 71 66	90 83 78 71 64	106 97 91 89 88	94 92 88 72 67	88 82 77 74 70	85 78 70 67 61	90 82 71 64 55	93 91 82 84 86	95 88 87 84 82	95 93 91 91 97
1960 1959 1958 1957 1956	70 66 60 61 58	74 68 60 64 62	81 73 65 69 68	65 60 53 58 59	64 59 51 52 49	91 100 94 109 106	67 69 91 100 95	71 66 61 60 51	54 51 49 46 43	53 49 40 36 33	89 88 82 87 84	86 80 74 80 70	109 103 102 106 108
1955 1954 1953 1952 1951	52 46 44 39 36	57 52 52 48 45	61 56 54 50 46	57 54 56 53 51	43 37 38 32 30	111 111 117 117 109	131 178 220 253 281	43 43 46 45 44	37 29 22 18 12	26 21 15 10 7	79 68 69 60 59	63 58 56 52 41	103 100 94 87 80
1950 1949 1948 1947 1946	31 28 27 25 21	40 39 40 39 33	40 38 40 38 31	46 46 47 47 45	28 27 28 27 24	106 100 100 83 63	306 317 330 314 313	43 39 39 34 31	6 2	3 1	57 51 42 36 26	36 35 36 33 30	76 70 71 63 48
1945 1944 1943 1942 1941	19 17 15 11 12	29 25 21 16 17	29 27 24 16 18	34 29 23 18 18	19 16 12 9 10	57 51 46 34 34	309 800 245 202 195	29 28 23 19 17			23 21 19 15 18	29 25 20 14 13	40 31 24 25 29
1940 1939 1938 1937 1936	11 10 9 10 9	15 14 13 15 13	16 14 12 13 10 8	17 17 18 21 20 18	11 10 10 12 10 8	34 81 81 34 23 17	177 154 139 139 119 98	18 11 11 9 7 5			17 16 16 18 18 16	11 10 9 10 9	27 26 25 26 23 18

Series T 485-491. Newspaper Advertising—Linage for 52 Cities: 1928 to 1970
[In thousands of lines]

					Display								Display		
Year	Total	Classified	Total	Auto- motive	Financial	General 1	Retail	Year	Total	Classified	Total	Auto- motive	Financial	General 1	Retail
	485	486	487	488	489	490	491	·	485	486	487	488	489	490	491
1968	3,443,755 3,575,126 3,381,058 3,297,750 3,354,253	1,017,084 923,725 878,114	2,526,512 2,558,042 2,457,334 2,419,636 2,429,998	173,263 170,958 158,506	81,677 72,839 66,943	300,080 296,134 297,106	2,014,880 2,003,022 1,917,404 1,897,081 1,863,632	1947 1946	2,263,446 2,008,536 1,729,713	473,600 423,662	1,741,000 1,534,936 1,306,051	68,672 42,106			·
1965 1964 1963 1962	3,164,577 2,973,466 2,856,483 2,798,250 2,776,958	865,631 787,135 749,734 725,507	2,298,946 2,186,331 2,106,749 2,072,743 2,079,217	170,366 159,729 150,555 149,307	63,350 60,867 58,841 58,017	288,528 292,549 285,778 301,495	1,776,702 1,673,186 1,611,576 1,563,923 1,549,401	1944 1943 1942 1942	1,361,244 1,396,418 1,241,672 1,313,233	308,891 335,042 257,312 272,568	1,052,353 1,061,377	31,479 32,358 26,823 56,445	18,365 17,758 17,623 20,478	250,926 247,424 196,653 194,053	751,584 763,837 743,261 769,690
1960 1959 1958 1957	2,888,617 2,865,238 2,685,618 2,829,132	735,212 727,574 628,748 685,470	2,153,405 2,137,664 2,056,869 2,143,662	165,208 155,080 141,761 181,400	54,234 54,704 46,400 47,515	345,694 363,580 360,844 377,714	1,588,269 1,564,299 1,507,864 1,537,033	1939 1938 1937 1936	1,268,632 1,243,550 1,225,166 1,409,666 1,380,121	255,012 283,416 265,475	990,825 970,154 1,126,250 1,114,646	72,822	22,480 25,025	191,948 247,155 251,510	711,781 788,813 765,289
1955 1954 1953	2,910,781 2,843,395 2,581,175 2,610,670	724,610 704,461 602,772 648,841	2,186,170 2,138,934 1,978,403 1,961,829	170,021 191,034 143,015 140,145	45,274 40,593 36,347 33,424	408,645 376,201 358,040	1,562,231 1,531,107 1,441,002 1,420,212	1935 1934 1933 1932	1,246,942 1,178,880 1,065,515 1,164,770 1,464,868	205,322 197,262 220,361	1,017,969 973,559 868,253 944,409 1,199,598	63,790	19,128 20,179 23,680	211.384	669,741 597,386 655,109
1952 1951 1950 1949	2,505,393 2,478,463 2,440,150 2,301,968	582,014 510,633	1,887,881 1,896,449 1,929,517 1,817,944	109,996 120,592	30,164 28,274	366,661 389,564	1,399,041 1,389,629 1,391,086 1,332,333	1929 1928	1,654,246 1,897,213 1,802,482	345,441	1,355,296 1,551,772 1,456,647	107,186 150,473 142,325	74,177	338,875	885,804 988,248 958,538

 $^{^{\}rm I}$ Advertising of specific products on general sale, as distinguished from the advertising of retail stores, and automotive or financial advertising.

International Transactions and Foreign Commerce

International Transactions and Foreign Aid (Series U 1-186)

U 1-74. General note.

This section presents statistics on the balance of international payments and the international investment position of the United States. Separate tables show the value of U.S. direct investments in foreign countries and of foreign direct investments in the United States, both by area and industry groups. The balance of international payments shows the economic transactions between residents of the United States and those of all other areas of the world during a stated time period. The international investment position indicates the value of U.S. investments abroad and of foreign investments in the United States at specified points of time. The change in the international investment position of the United States results partly from the movement of foreign and U.S. capital, as presented in the balance of international payments, and partly from other factors, such as changes in the valuation of assets or liabilities, including changes in the market value of securities, defaults, expropriations, writeoffs, and reinvested earnings of subsidiaries operating abroad and of foreign subsidiaries operating in the United States. U.S. direct investments in foreign countries include all foreign enterprises whose voting stock is owned to the extent of at least 25 percent by U.S. organizations or individuals, or in the management of which Americans have an important voice. In addition, they include unincorporated foreign branches or other direct foreign operations of U.S. interests, including mining claims, oil concessions, and other property held for business purposes such as real estate. Similarly, foreign direct investments in the United States cover U.S. business enterprises, including real estate investments, in which there was a foreign interest or ownership of 25 percent or more.

In all the series of this section, international organizations, such as the International Monetary Fund, the International Bank for Reconstruction and Development, and the United Nations, though located within the United States, are considered extra-territorial. Consequently, transactions between the United States and these organizations are considered international transactions of the United States, while transactions between them and foreign countries do not enter the balance of payments of the United States. U.S. holdings of their obligations and U.S. liabilities to them are part of the U.S. investment position.

U 1-25. Balance of international payments, 1790-1970.

Source: U.S. Office of Business Economics, 1790-1918 (except series U 24, 1874-1900), unpublished data; series U 24, 1874-1906, U.S. Department of the Treasury, Annual Report, Director of the Mint, 1921, p. 130. U.S. Bureau of Economic Analysis (formerly Office of Business Economics), 1919-1945, Balance of Payments Statistical Supplement, 1958, pp. 10-13; 1946-1970, Survey of Current Business, June 1970, p. 34; October 1972, pp. 26-27; June 1972, pp. 26 and 30.

Basically the figures for 1790-1918 are from publications by private authors; therefore, they are unofficial figures. However, the figures, as shown by these authors, have been rearranged and adjusted, and in some cases supplemented, for this volume by the former U.S. Office of Business Economics (OBE). The reclassified figures fit into the concepts and framework currently used in the official balance of payments statements prepared by OBE.

The original figures are from the following private publications:

1790-1860, Douglass C. North, "The United States Balance of Payments, 1790-1860," Studies in Income and Wealth, Princeton University Press, vol. 24, 1960; 1861-1900, Matthew Simon, "The United States Balance of Payments, 1861-1900," Studies in Income and Wealth, Princeton University Press, vol. 24, 1960; and 1901-1918 (with the exception of exports and imports of merchandise trade and silver), Paul D. Dickens, "The Transitional Period of American International Financing, 1897-1914" (unpublished doctoral dissertation, George Washington University, 1933), and C. J. Bullock, John H. Williams, and Rufus S. Tucker, "The Balance of Trade of the United States," Review of Economic Statistics, July 1919. Data on merchandise trade and silver for 1901-1918 were taken from Department of Commerce, Monthly Summary of Foreign Commerce, various issues.

The estimates for 1901-1918 were revised primarily to make them consistent with, and to link them to data prepared for subsequent years. The revised estimates were published by Raymond W. Goldsmith in Study of Savings in the United States, Princeton University Press, 1956, vol. 1, pp. 1078, 1080, 1081, 1084, and 1086.

The Department of Commerce began its series in 1922, later extending the data backward to cover 1919-1921. Data for quarterly U.S. international transactions, total and with individual regions of the rest of the world, are available currently in the March, June, September, and December issues of the Survey of Current Business.

The balance of payments statement reflects all the exchanges of goods, services, gold, and capital claims between residents of the United States and residents of all other areas of the world. Since 1919, residents of the United States comprise residents of conterminous United States, Alaska, Hawaii, Puerto Rico, American Samoa, and Virgin Islands. Beginning 1940, residents of the Panama Canal Zone are also included. As noted above, international organizations are not regarded as residents of the United States.

Transactions entering into the balance of payments are divided into four categories-goods and services, unilateral transfers, capital movements, and transactions in U.S. official reserve assets. The balance of payments statement is built on a double entry system, whereby, in principle, every transaction is recorded both as a debit and a credit. Debits represent increases in assets or decreases in liabilities, and credits represent decreases in assets or increases in Thus, an export of merchandise in return for a check drawn on a foreign account in a bank in this country results in a credit for the export (a reduction in an asset) and a debit for the reduction in foreign-held bank deposits (a reduction in a liability). Unilateral transfers to foreign countries (payments) are debits (as are expense items in accounting), and unilateral transfers from foreign countries (receipts) are credits (as are income items in accounting). While all transactions have a debit and credit phase which are necessarily equal, both sides are not estimated simultaneously nor from the same sources; hence, the possibility of error. The resulting discrepancy, referred to as "errors and omissions," series U 25, is given a plus or minus sign, depending upon which is necessary to make the accounts balance.

The procedure generally followed by North and Simon in their studies was to estimate receipts and payments on account of merchandise trade, transportation, travel, interest, dividends, and remittances. The authors then assumed that the balance indicated net flows of U.S. and foreign capital. For 1790–1900, series U 18–23

represents this balance which, of course, includes any errors and omissions in the estimates.

Data on exports and imports of merchandise used in the study by North are reported to include gold and silver prior to 1821 (see Statistical Abstract of the United States, 1957, p. 890). A separate estimate, however, was made by North for net movements of gold, because he concluded on the basis of his research that specie movements were in fact not included in the merchandise trade figures prior to 1821. (See "The United States Balance of Payments, 1790–1860," pp. 24–25.) This estimate is included in series U 2 and U 9. Although the annual amounts are small, varying from net exports of \$1 million to \$2.5 million to net imports of \$1 million to \$4 million, the residual item, or net movement of capital, may be in error by the same amount.

North indicates that the reliability of the data on exports prior to 1820 is doubtful and that data on imports are incomplete. The paucity of information also made the estimates for other transactions for this period considerably less satisfactory than for subsequent years. Consequently, North suggests that 5-year averages may be more reliable than the annual data. Such averages are included in his study.

For the classification and contents of series U 1-25, 1900-1918, see Raymond W. Goldsmith, cited above. Three transactions have been entered which did not appear in this study. See text below for series U 17 and U 18.

For methods of estimating later data, see Balance of Payments of the United States, 1949–1951, a supplement to the Survey of Current Business, Office of Business Economics. Continued changes and improvements in the methods of collecting data have been made and the figures have become progressively more reliable over time. For an evaluation of data for recent years, see Report of the Review Committee for Balance of Payments Statistics to the Bureau of the Budget, The Balance of Payments Statistics of the United States: A Review and Appraisal, April 1965.

U 2 and U 9, merchandise. The estimates for ship sales for 1790–1900 are included in exports, series U 2. For 1790–1819, the net export or import of specie is included in series U 2 or U 9, respectively. The gross movements of specie were not available. For 1820–1860, exports of specie are included in series U 2 and imports in series U 9. Exports and imports of gold for 1861–1873, of nonmonetary gold for 1874–1900, and of silver for 1861–1900 are included in series U 2 and U 9, respectively.

The data for 1901-1918 include merchandise trade proper, silver, and nonmonetary gold. The basic data on merchandise trade for 1919-1970 are the official trade statistics published until 1965 in Foreign Commerce and Navigation and since then in the foreign trade reports of the Bureau of the Census. For 1919-1970, adjustments in both exports and imports have been made to correct for known overvaluation or undervaluation, to exclude noncommercial items, to include an estimate for unrecorded trade, and to adjust for certain differences in territorial coverage, e.g., to exclude the trade with the Panama Canal Zone, beginning with 1940. For World War II and early postwar years, data on Government purchases were substituted for certain import data. For Government-financed transfers of merchandise, the figures based on fiscal records were used instead of the figures appearing in the recorded export statistics. For the years after World War I and World War II, sales and other transfers of surplus property located abroad were added to recorded export statistics. Prior to 1946, series U 2 also includes the transfers with or without compensation to allied countries of military equipment, including that purchased abroad under the Mutual Defense Assistance Program. A small amount of services connected with these transfers was also included. Series U 2 and U 9 include nonmonetary movements of gold. For the treatment of gold, see series U 24 below.

U 3 and U 10, transportation. For 1790-1819, series U 3 represents gross earnings on freight carried in U.S. ships. Some adjustment was made to eliminate earnings from ships carrying U.S. imports.

For 1820-1860, series U 3 includes earnings by U.S. ships from carrying U.S. exports and from carrying freight between foreign ports. It also includes American port charges paid by foreign ships. Transportation payments, series U 10, consist of freight payments to foreign ships for carrying U.S. imports, and expenditures of American ships in foreign ports. Port expenditures and receipts are estimated as a percentage of freight earnings by American and foreign ships, respectively. (Fare payments to American ships by immigrants are included in the estimate for immigrant funds. See discussion of series U 16, private unilateral transactions. For fare payments of tourists, see discussion of travel, series U 4 and U 11.) For 1861-1900, series U 3 includes ocean freight earnings from carrying U.S. exports and from carrying freight between foreign ports, and port expenditures in the United States of the foreign merchant marine and of passenger steamships. The estimates for the years 1871-1900 also include earnings from carrying overland freight. Payments for transportation, series U 10, includes ocean freight payments on U.S. imports, and expenditures in foreign ports by the U.S. merchant marine. Passenger fares are included in the travel account (series U 4 and U 11). The data for 1900-1918 include receipts and payments on account of ocean freight, and port charges. For 1916-1918, payments for charter hire were added.

For 1919-1970, the transportation category includes international freight, fares and shipboard expenses of travelers, revenues and expenditures resulting from the charter of vessels and the rental of freight cars, and the expenses of U.S. transportation companies abroad and foreign transportation companies in the United States. The data cover air and surface transportation.

U 4 and U 11, travel. For 1790-1819, no estimate was made for international travel expenditures. For 1820-1860, series U 4 includes tourist expenditures in the United States and their fare payments to American ships; series U 11 represents American tourist expenditures abroad. North assumed that American tourists going abroad and, for the most part, foreigners coming to the United States traveled on American ships during this period. The method employed in the source study for estimating tourism precludes the transfer of fare payments to the transportation account. For 1861-1900, series U 4 includes outlays of foreign travelers in the United States. It was assumed that alien travelers came to the United States on foreign lines and, therefore, no estimate was made for receipt of fares. Series U 11 includes payments abroad by American tourists for maintenance and for ocean fares. Simon assumed that the bulk of the travel during 1861-1900 was on foreign ships. The outlays for procurement of sundry items and luxury consumption goods were not included in his estimate for expenditures abroad by American tourists.

The data for 1900-1918 include fares paid to U.S. ships by foreign tourists and to foreign ships by U.S. tourists.

For 1919-1970, all expenditures made in the United States by foreign residents, except those of diplomats and other official personnel stationed here, are included in the travel receipts. Expenditures made in foreign countries by U.S. travelers for food, lodging, amusements, gifts, and other personal purchases constitute travel payments. Expenditures for transportation within or between foreign countries when purchased abroad are, in general, included as travel expenditures. However, passenger fares for overseas transportation to the ultimate destination (even if the ticket permits stopovers enroute) when paid to foreign carriers by U.S. residents, and when paid to U.S. carriers by foreign residents, are included in the transportation account.

U 5, U 6, and U 13, income on investments. For 1790-1900, series U 13 represents net payments of income on investments by the United States. The income was computed by applying an assumed yield rate to the net indebtedness of the United States.

For 1900-1918, separate estimates were made for receipts and payments. Series U 5 for 1915-1918 includes income on private and Government war loans. See Goldsmith, cited above, p. 1078.

For 1919-1970, income includes all interest, dividends, and branch

profits effectively paid or credited during the period, after payment of all taxes in the country in which the payer of income resides.

Private income, series U 5, for 1919–1970 includes interest, dividends, and branch profits from direct investments, and interest and dividends received from holdings of foreign bonds by residents in the United States, from stocks issued by foreign corporations which are not U.S. direct investments, from loans by banks and other financial or commercial organizations, from miscellaneous assets such as commercial real estate, insurance policies, commercial claims of various kinds, trusts and estates, and mortgages. Reinvested earnings, or the parent company's equity in the undistributed earnings on common stock of foreign subsidiary companies, are not included except for 1919–1929. Reinvested earnings are, however, regularly tabulated and used for computing changes in the international investment position of the United States.

Government income, series U 6, for 1919-1970 includes interest received by the U.S. Government on long- and short-term loans and other investments.

Income payments, series U 13, for 1919-1970 include payments of interest, dividends, and branch profits by foreign direct investment companies in the United States, interest and dividend payments to foreign holders of other American bonds and stocks (including U.S. Government securities), and payments of income on various miscellaneous assets such as estates and trusts.

U 7 and U 14, other transactions. Marine insurance and brokers' commissions constitute series U 14 for 1790–1819. No estimate was made for these transactions between 1820 and 1860. For 1861–1900, series U 7 consists of receipts on marine insurance; series U 14 comprises payments for marine insurance and net payments for brokers' commissions.

For 1900-1918, no estimates were made.

For 1919-1970, the coverage of miscellaneous service items has expanded and now includes receipts and payments from insurance transactions, communications, management services, motion picture and other royalties; receipts from fees of American engineering, construction, and consulting firms, from foreign contracts, from foreign governments in the United States, and expenditures of U.S. Government agencies abroad, except expenditures by the Department of Defense. The latter is included in series U 12, while receipts from abroad by the military agencies are included in series U 2.

U 12, military expenditures. This item includes direct outlays by the military agencies in dollars and in foreign currencies, as well as expenditures in the foreign economies by troops, civilian personnel of the military agencies, and post exchanges. It does not include expenditures of deutsche marks received from the Federal Republic of Germany or of yen received from Japan for the support of Allied and U.S. Forces stationed in the respective countries. Offshore procurement under military assistance programs and the purchase of goods and services to be transferred to other foreign countries under aid programs are included in the expenditures by military agencies.

U 16-17, unilateral transfers, net. No estimate was made prior to 1820 for series U 16. For 1820-1860, series U 16 represents the excess of funds brought into the United States by immigrants and their fare payments to American shipping companies over the amounts remitted abroad after their arrival in this country. For 1861-1916, series U 16 consists of the immigrant remittances and funds carried by immigrants into the country (+) and out (-). The estimate for immigrant remittances includes remittances through banks and an estimate for outlays by U.S. residents for prepayment of passage for friends and relatives planning to emigrate to the United States. For 1917 and subsequent years, remittances in cash and kind by religious, educational, and charitable institutions are also included. For series U 17, the entries of \$0.6 million for 1794-1796 represent annual payments to the Barbary pirates. The payment of \$11.2 million in 1803 was to France for the purchase of Louisiana Territory. The United States acquired sovereignty over this territory in 1803 and issued bonds for the amount of the purchase. These

bonds carried an interest rate of 6 percent per year and were redeemed between 1812-1823. The interest during this period amounted to \$8.2 million, \$5.6 million of which was paid in the first 10 years. (See E. M. Douglas, Boundaries, Areas, Geographic Centers and Altitudes of the United States and the Several States, Washington, D.C., 1930.) Presumably the interest is included in the estimate for income payments, series U 13. The entries of \$5.5 million for 1836-1838 represent receipts by the U.S. Government from France on behalf of American citizens in satisfaction of claims for indemnities arising from the Napoleonic wars. (See J. T. Adams, ed., Dictionary of American History, Scribner's, New York, 1940, vol. II, p. 348.) Interest of \$0.5 million (\$0.3, \$0.1, and \$0.1 million for 1836-1838. respectively) is included. In 1848, at the end of the Mexican War. the United States and Mexico signed the treaty of Guadelupe-Hidalgo which gave to the United States the present States of Arizona. New Mexico, California, Nevada, Utah, and Colorado west of the Rockies. The payment by the United States of \$15 million for this territory, plus interest of \$1.4 million, is represented by the entries for 1849-1852. These entries were referred to in the study, "United States Balance of Payments, 1790-1860," as indemnity payments and entered in the capital account. The entries for 1854-1856, aggregating \$10 million, represent the Gadsden purchase. Russia. in March 1867, agreed to sell Alaska to the United States for \$7.2 million in gold. The United States took possession in fiscal year 1868, but payment was not made until fiscal year 1869. During the Civil War, Great Britain had sold to the Confederate States ships which were used as privateers to sink the Union ships. An international tribunal in 1873 held Great Britain liable to the extent of \$15.5 million. Payment was made to the United States in 1873, as indemnity on behalf of its citizens. The treaty of peace with Spain in 1898, as a result of which the Philippines, Guam, and Puerto Rico were ceded to the United States, stipulated a payment to Spain of \$20 million.

The figures for series U 17 include two transactions which are not included in Goldsmith's Study of Saving..., mentioned earlier for the 1900-1918 period. In 1904, the U.S. Government paid \$10 million to the Republic of Panama for lease of the Panama Canal, and in 1917, the United States bought the Virgin Islands from Denmark for \$25 million. These transactions appear in series U 17.

For 1919-1970, series U 17 consists of Government transfers of goods, services, or cash, in both dollars and foreign currencies, for which payment by the foreign country has not been made, is not expected, or has not been specified, less reverse lend-lease, counterpart funds on certain foreign-aid programs, and other receipts. Series U 17 also includes Government payments of pensions, receipts or payments for idemnities, intangible rights, or other considerations.

U 18-23, U.S. capital flows, net, and foreign capital flows, net. For 1790-1900, the data for series U 18 and U 23 represent the net flow of U.S. and foreign capital, and were estimated as residuals, to balance the other items in the balance of payments. Consequently, they reflect errors and omissions in the estimates of the other items. For some of these years, particularly 1861-1900, the data shown here differ from those in the source studies because of adjustments in some of the other series. For 1900-1918, see Goldsmith, cited above, pp. 1080-1081.

In 1904, the figure for series U 18 includes the payment by the U.S. Government of \$40 million for the original Panama Canal Company. This transaction was not included in Goldsmith's *Study of Saving*.

For 1919-1970, the data for series U 18-21 represent changes in assets or in investments of the United States abroad. The long-term transactions represent shifts in capital claims of indefinite maturity or of a stated original maturity of more than one year from the date of issuance. Short-term transactions represent changes in claims on foreigners with a maturity of one year or less. For 1919-1970, series U 18 (long-term) includes disbursements of foreign loans, net of repayments, by all U.S. Government agencies, whether made in dollars or in foreign currencies. Also included are movements of

capital related to the operation by the U.S. Government of productive facilities abroad, and U.S. capital contributions to international organizations such as the International Monetary Fund, the International Bank for Reconstruction and Development, and the International Finance Corporation. Loan operations between these organizations and foreign countries are not included since such organizations are regarded as foreign entities in the U.S. balance of payments. Loans made by private banks and guaranteed by the Export-Import Bank are included in series U 20. Real property purchased by the Government for administrative purposes is included in series U 14, other transactions, while all expenditures of religious, educational, and charitable institutions are included in series U 16, unilateral transfers, even if they involve the purchase of fixed assets. For 1919-1970, series U 18 (short-term) includes changes in the U.S. Government short-term claims arising from holdings of foreign currencies (received as a counterpart to foreign grants or through sales of agricultural and other surplus products), deposits abroad, and various advances.

For 1919-1970, the shifts in capital claims in series U 19 and U 20 refer not only to securities (stocks, bonds, mortgages, etc.) but also to real property (farms, branch factories, and real estate). Series U 19 consists of net purchases of stocks in, and of changes in, net claims by U.S. parent companies against foreign incorporated companies in the management of which U.S. companies have an important voice, and net changes in the equity in foreign branches of U.S. companies. Series U 20, other private long-term capital movements, consists of U.S. purchases of newly issued foreign securities, amortizations of foreign bonds, net transactions in outstanding foreign securities, and net changes in long-term claims reported by U.S. banks (including loans made by private banks and guaranteed by the Export-Import Bank) and other commercial enterprises.

Series U 21 includes changes in bank deposits, brokerage and commercial balances, and uncollected bills.

For 1919-1970, the data for series U 22-23 represent changes in liabilities of the United States to residents of foreign countries, or changes in assets held in the United States by residents of foreign countries. Series U 22 represents shifts in foreign claims on the United States with an original maturity of more than one year, including changes in the investments of foreign corporations in their branches and subsidiaries in the United States, and transactions by foreigners in the U.S. public debt obligations. Series U 23 represents shifts in the liabilities of the U.S. Government and of private individuals and institutions with an original maturity of one year or less. Foreign short-term claims on the U.S. Government include deposits with the Treasury and other Government agencies and changes in foreign holdings of U.S. Government short-term obligations. Foreign short-term claims on private Americans include foreign deposits in U.S. banks, changes in holdings of privately issued short-term securities, and other commercial liabilities. The data also include an estimate of movements of U.S. currency and coins.

U 24, transactions in U.S. official reserve assets, net. This entry measures net changes in the official reserve assets of the United States, which consist of U.S. holdings of monetary gold, special drawing rights (SDR), convertible foreign currencies, and gold tranche position in the International Monetary Fund (IMF).

Monetary gold includes the U.S. gold stock held by the U.S. Treasury and the Exchange Stabilization Fund. (On December 9, 1974, Treasury acquired all gold held by the Exchange Stabilization Fund.) The transactions also included gold sold to the United States by the IMF with the right to repurchase, and gold deposited by the IMF to mitigate the impact on the U.S. gold stock of foreign purchases for gold subscription to the IMF under quota increases. Special drawing rights are international reserve assets created through amendments to the Articles of Agreement of the IMF to provide orderly and adequate growth in international liquidity. Thus far (1974) there have been three annual allocations to the United States and other participating nations made on January 1, of 1970, 1971, and 1972. U.S. holdings of special drawing rights in the Special

Drawing Account in the IMF include allocations and acquisitions, net of use. Convertible foreign currencies represent Treasury and Federal Reserve System holdings of convertible foreign currencies in U.S. dollar equivalents. The U.S. gold tranche position in the IMF represents the amount that the United States could purchase in foreign currencies automatically if needed; it is equivalent to the U.S. quota in the IMF minus the Fund's holdings of U.S. dollars.

U 25, errors and omissions. As indicated above, this is the residual item which has been given the sign (+ or -) necessary to make the statement balance. It compensates for missing data, possible errors in the estimates, as well as for seasonal and other leads and lags in the reporting of the debt and credit phases of transactions which are compensating over a period of time.

U 26-39. International investment position of the United States, 1843-1970.

Source: 1843-1914, Cleona Lewis, America's Stake in International Investments, The Brookings Institution, Washington, D.C., 1938 (copyright). 1919-1945, U.S. Office of Business Economics, various publications. 1946-1970, U.S. Bureau of Economic Analysis (formerly Office of Business Economics), Balance of Payments Statistical Supplement, Revised Edition; and Survey of Current Business, August 1963 and 1964, September 1965 and 1966, and October 1968-1972.

The estimates for 1919-1945 are based on the following publications: (1) The United States in the World Economy, Office of Business Economics, Economic Series No. 23, Washington, D.C., 1943, p. 123; (2) The Balance of International Payments of the United States in 1931, Bureau of Foreign and Domestic Commerce, Trade Information Bulletin No. 803, Washington, D.C., 1932, pp. 44, 48, and 62; (3) Foreign Investments in the United States, Bureau of Foreign and Domestic Commerce, Washington, D.C., 1937, p. 5; (4) Cleona Lewis (see source above for 1843-1914); (5) International Transactions of the United States During the War 1940-45 (as revised), Office of Business Economics, Economic Series No. 65, 1948, p. 110.

In America's Stake in International Investments, direct investments are based on book value wherever possible; portfolio investments are calculated at par value for bonds and preferred stocks, and at market value for common stocks. Similar practices were followed in the estimates of the Department of Commerce for 1930, 1931, and 1935; miscellaneous portfolio investments for the same years were calculated at market values wherever possible. For 1940, 1945, and 1946–1970, the values of bonds and preferred stocks as well as of common stocks were calculated at market prices wherever possible.

The estimates for these series prior to 1919 were prepared by compilers who used different valuation methods and whose data varied in completeness. While the estimates are therefore not homogeneous, they do present rough indications of the magnitudes involved.

U 40. International investment position of the United States (net liabilities), 1789-1900.

Source: 1789-1860, Douglass C. North, "The United States Balance of Payments, 1789-1860," cited in text for series U 1-25; and 1861-1900, Matthew Simon, "The United States Balance of Payments, 1861-1900," also cited in text for series U 1-25. (Copyright.)

In the source studies, a net liability of \$60 million was estimated for 1789. For the following years, the changes were computed by adding the annual net international flow of capital which is the balancing item, series U 18–23, for exports and imports of goods, services, and unilateral transactions. For certain years, adjustments were made for defaults. Differences between the accumulating "net indebtedness" in the source studies and the data in series U 40 are due to adjustments incorporated in series U 1–25 as explained in the text for those series.

U 41-46. Value of direct investment in foreign countries, by area and industry groups, 1929-1970.

Source: See source for series U 26-39.

See also general note for series U 1-74, and text for series U 18-23.

U 47-74. Value of foreign direct investment in the United States, by area and industry, 1937-1970.

Source: U.S. Office of Business Economics, 1937-1961, Foreign Business Investments in the United States, 1962; 1962-1970, Survey of Current Business, various issues (usually September or October).

The basic data for these series were derived from reports filed with the Department of Commerce by enterprises in the United States in which there was a foreign interest of 25 percent or more. Reports were required by law under section 8 of the Bretton Woods Agreements Act (59 Stat. 515, 22 U.S.C. 286f). Forms and instructions were mailed directly to lists of companies developed from tax records, news reports, previous census studies, and records of the Office of Business Economics.

In general, a report was required for every U.S. business enterprise, including real estate investments, in which a foreign person or organization owned 25 percent or more of the voting stock, and for similar interests in noncorporate enterprises. A report was required both when the 25 percent foreign interest was direct in a U.S. primary organization or was indirect in a subsidiary, called a secondary organization.

There were certain exemptions from filing a report, as follows:
(a) If the value of total assets was less than \$50,000, a report was required only for information identifying the reporter; (b) reports were not required from religious bodies, charitable organizations, or other nonprofit organizations in the United States; (c) reports were not required in connection with real or personal property acquired for personal use or occupancy.

The coverage is believed to be quite complete for substantial industrial investments. However, there are probably many small trading organizations and holdings of real estate not covered. The extent of these investments is not believed to be significant.

It should be noted that this survey does not cover portfolio foreign holdings of U.S. corporate securities, or other miscellaneous investments here.

Direct foreign investments in the United States included the following U.S. business enterprises for which reports were required: (1) A U.S. corporation in which 25 percent or more of the voting stock was owned directly or indirectly by a foreign person or organization; (2) branches of foreign corporations resident in the United States; (3) partnerships and proprietorships resident in the United States in which 25 percent or more ownership was held by a foreign person or organization; (4) U.S. enterprises held as part of an estate or trust created under the laws of the United States in which foreign beneficial owners held an interest of 25 percent or more; (5) real estate and other real property, including leaseholds, acquired for commercial purposes, in which an interest of 25 percent or more was held by a foreign person or organization.

These series cover the 50 States, the District of Columbia, the Commonwealth of Puerto Rico, the Panama Canal Zone, and outlying areas of the United States.

Each reporter or foreign-owned U.S. company was classified by the country of the foreign parent organization. Secondary reporters or subsidiaries of the primary organization were given the same country classification as the primary.

The major areas for classification were Canada, United Kingdom, other Western Europe, Latin American Republics, Asia, Africa, and Australia. The investment was generally quite small for countries in Asia, Africa, or Latin America.

The Standard Industrial Classification (SIC) issued by the then Bureau of the Budget was the basic guide used for classifying reporters by industry. However, certain departures were made in connection with grouping certain industries into major divisions. This change in grouping consisted, for the most part, in shifting certain industries to major divisions on the basis of their relationship or integration of operations. For example, reporters engaged in petroleum production and others engaged in petroleum refining were classified under petroleum as a major industrial division. The SIC had no such classification and production is included under mining (not shown separately here) and refining under manufacturing. Similarly, other integrated operations of oil companies were included under petroleum.

Frequently a reporter was engaged in more than one business activity, especially in those cases where the report furnished was a consolidation of several companies in different lines of business. Such a report was classified according to the basic activity involved.

Reporters who were primarily holding companies of U.S. operating companies were classified according to the industry of the operating companies.

U 75-186. U.S. Government foreign grants and credits, by country, 1945-1970.

Source: U.S. Bureau of Economic Analysis, unpublished summary of data published in more detail in "Foreign Aid by the United States Government, 1940–1951," a 1952 supplement to the Survey of Current Business, and in the periodic report, Foreign Grants and Credits by the United States Government.

The following text was excerpted from Annual Report of the Bretton Woods Agreement Act (Communication from the Chairman, National Advisory Council on International Monetary and Financial Policies), 93d Congress, 1st session, House Doc. No. 93-34, pp. 120-122.

These series were compiled by the Bureau of Economic Analysis from information made available by agencies operating the grant, credit, and other assistance programs, and include some estimates for transactions not yet recorded on the operating agencies' books. Items based on estimates have been adjusted or qualified on the basis of information received to the date of preparation of these series, but in some instances are subject to future adjustments.

The data on credits are comparable, with minor exceptions, to those appearing in Foreign Credits by the United States Government, a semiannual publication of the Department of the Treasury, in which a detailed enumeration of every active foreign credit of the U.S. Government, showing its current status, is presented.

The data are divided into three categories—grants, credits, and other assistance through net accumulation of foreign currency claims under programs for the sale of agricultural commodities. The Government's capital investments in, or contributions to, the international financial institutions constitute an additional measure taken by this Government to promote foreign economic recovery and development. Payments to these institutions do not result in immediate equivalent aid to foreign countries. Use of available dollar funds is largely determined by the managements of the institutions, in some instances subject to certain controls which can be exercised by the U.S. Government. Changes in the procedures for disbursing the U.S. Government contributions, initiated in 1965, have retarded such actual Government payments to agree more closely with the actual disbursement of assistance by the international institution to the foreign country.

Grants are transfers for which no payment is expected, or which at most involve an obligation on the part of the receiver to extend aid to the United States or other countries to achieve a common objective. Credits are loan disbursements or transfers under other agreements which give rise to specific obligations to repay, over a period of years, usually with interest. Other assistance represents the transfer of U.S. farm products in exchange for foreign currencies (plus—since the enactment of Public Law 87-128—principal and interest collections in foreign currencies for credits extended under the farm products sales program) less the Government's disbursements of the currencies as grants, credits, or for purchases. The net acquisition of currencies

represents net transfers of resources to foreign countries under the agricultural programs, in addition to those classified as grants or credits.

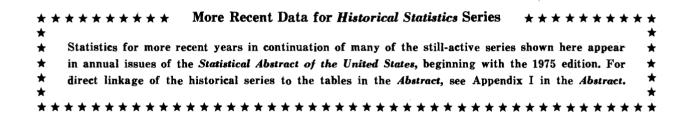
Occasionally, assistance has been given under indeterminate conditions, subject to future settlement. Indeterminate aid on this basis is included with grants, in the period rendered. When settlement for such indeterminate aid is agreed upon, the terms may call for a cash settlement or may establish a long-term credit. Cash settlements are included in returned grants. Amounts of the newly established credits are added to outstanding indebtedness.

The U.S. Government receives some returns on its gross grants and credits. The returns which are deducted from gross grants and credits to arrive at net grants and credits include (1) reverse lend-lease; (2) the dollar value of the portion of grant counterpart funds paid to the United States for its use; (3) returned lend-lease and civilian supply ships; (4) returns of military equipment "loaned"; (5) cash received in war-account settlements for lend-lease and other aid; and (6) principal repaid on credits, but not interest. The Government's disbursements of currencies are deducted from the accumulation of currency claims in calculating net other assistance.

The measure of foreign grants and credits generally is in terms of (1) dollars disbursed by the U.S. Government to or for the account of a foreign government or other foreign entity or individual, and (2) dollar equivalents of goods delivered or shipped, services rendered, or foreign currencies disbursed to or for such foreign account. Correspondingly, returns are measured in terms of the dollars received by the U.S. Government, or the dollar equivalents of goods, services, and foreign currencies received. Dollar equivalents are, of necessity, frequently estimated.

Assistance is shown by country, or general area, where possible. In certain instances (particularly in the earlier postwar period), data for parent countries include those for their dependent area; for example, although goods have been shipped to a then dependent area, Tunisia, such aid was reported as rendered to the parent country, France.

Transactions shown for a country are *not* necessarily with the government of such country, but are often with individuals, relief organizations, international organizations, or other private entities located in the designated country and considered to be within its economy.



INTERNATIONAL TRANSACTIONS AND FOREIGN COMMERCE

Series U 1-25. Balance of International Payments: 1790 to 1970

[In millions of dollars. For fiscal years, 1790-1900; thereafter, calendar years]

			Exports of	goods and	l services ¹					Imports o	of goods an	d serviçes		 .
Year	Total	Mer- chan- dise, ad- justed ²	Trans- porta- tion	Travel		on invest- abroad Govern- ment	Other trans- actions 5	Total	Mer- chan- dise, ad- justed	Trans- porta- tion	Travel	Direct military expendi- tures	Income on foreign invest- ments in U.S. ⁶	Other trans- actions 5
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1970	62,870	41,963	3,627	2,319	10,517	909	3,536	59,307	39,799	4,084	3,973	4,852	5,167	1,484
	55,502	36,417	3,112	2,058	9,607	932	3,376	53,591	35,796	8,547	3,407	4,856	4,564	1,422
	50,603	33,576	2,948	1,775	8,468	765	3,071	48,178	32,964	8,258	3,030	4,535	3,013	1,377
	46,177	30,638	2,792	1,646	7,672	638	2,791	41,041	26,821	2,994	8,207	4,378	2,423	1,217
	43,277	29,287	2,609	1,690	6,988	593	2,210	38,108	25,463	2,922	2,657	3,764	2,206	1,095
1965	39,408	26,438	2,415	1,380	6,583	509	2,083	32,310	21,496	2,675	2,438	2,952	1,797	952
	37,281	25,478	2,317	1,207	5,943	456	1,880	28,715	18,647	2,462	2,211	2,880	1,524	991
	32,603	22,252	2,103	1,015	5,041	498	1,695	26,646	17,011	2,316	2,114	2,961	1,386	860
	30,507	20,779	1,955	957	4,748	471	1,598	25,382	16,218	2,128	1,939	3,105	1,167	827
	28,772	20,107	1,803	947	4,223	381	1,310	23,173	14,519	1,943	1,785	2,998	1,050	878
1960	27,490	19,650	1,782	919	3,591	348	1,201	23,383	14,744	1,915	1,750	3,087	1,098	789
	23,652	16,458	1,646	902	3,237	349	1,060	23,342	15,310	1,759	1,610	3,107	860	696
	23,217	16,414	1,638	825	2,980	307	1,053	20,861	12,952	1,636	1,460	3,435	703	675
	26,653	19,562	1,967	785	3,058	205	1,076	20,752	13,291	1,569	1,372	3,216	675	629
	23,772	17,556	1,617	705	2,906	194	794	19,627	12,803	1,408	1,275	2,949	606	586
1955	19,948	14,424	1,406	654	2,543	274	647	17,795	11,527	1,204	1,153	2,901	520	490
	17,889	12,929	1,171	595	2,283	272	639	15,930	10,353	1,026	1,009	2,642	443	457
	17,078	12,412	1,198	574	1,963	252	679	16,546	10,975	1,081	929	2,615	483	463
	18,122	13,449	1,488	550	1,916	204	515	15,766	10,838	1,115	840	2,054	445	474
	18,864	14,243	1,556	473	1,956	198	438	15,047	11,176	974	757	1,270	434	436
1956	13,893	10,203	1,033	419	1,730	109	399	12,001	9,081	818	754	576	379	393
	15,834	12,213	1,238	392	1,517	98	876	9,616	6,874	700	700	621	342	379
	16,861	13,265	1,317	334	1,451	102	392	10,343	7,557	646	631	799	291	419
	19,819	16,097	1,738	364	1,237	66	817	8,202	5,973	583	573	455	256	362
	14,792	11,764	1,383	271	957	21	396	6,985	5,067	459	462	493	222	282
1945	16,273	12,473	1,308	162	572	17	1,741	10,232	5,245	420	309	2,434	231	1,593
	21,438	16,969	1,306	117	556	17	2,473	8,986	5,043	399	225	1,982	161	1,176
	19,134	15,115	1,110	84	497	12	2,316	8,096	4,599	343	173	1,763	155	1,063
	11,769	9,187	689	82	496	18	1,297	5,356	3,499	263	155	953	158	328
	6,896	5,343	562	70	535	9	877	4,486	3,416	343	212	162	187	166
1940	5,355	4,124	402	95	561	3	170	3,636	2,698	334	190	61	210	148
	4,432	3,347	303	135	539	2	106	3,366	2,409	367	290	46	230	24
	4,336	3,243	267	130	583	2	111	3,045	2,173	303	303	41	200	25
	4,553	3,451	236	135	576	1	154	4,256	3,181	366	348	41	295	25
	3,539	2,590	158	117	567	2	105	3,424	2,546	247	297	38	270	26
1935	3,265 2,975 2,402 2,474 3,641	2,404 2,238 1,736 1,667 2,494	139 133 108 171 247	101 81 66 65 94	521 437 417 460 674	20 67 92	100 86 55 44 40	3,137 2,374 2,044 2,067 3,125	2,462 1,763 1,510 1,343 2,120	206 196 154 255 366	245 218 199 259 341	41 34 41 47 48	155 135 115 135 220	28 28 25 28 30
1930	5,448	3,929	325	129	876	164	25	4,416	3,104	477	463	49	295	28
	7,034	5,347	390	139	982	157	19	5,886	4,463	509	483	50	830	51
	6,842	5,249	372	121	922	158	20	5,465	4,159	460	448	44	275	79
	6,456	4,982	360	114	821	160	19	5,383	4,240	417	400	38	240	48
	6,381	4,922	870	110	793	160	26	5,555	4,500	415	372	43	200	25
1925.	6,848	5,011	318	83	752	160	24	5,261	4,291	391	347	39	170	23
1924.	5,911	4,741	315	77	602	160	16	4,560	3,684	361	303	36	140	36
1923.	5,494	4,266	302	71	676	164	15	4,652	3,866	332	260	33	130	31
1922.	4,954	3,929	286	61	544	126	8	3,957	3,184	341	243	42	105	42
1921.	5,505	4,586	394	76	405	40	4	3,383	2,572	384	200	65	105	107
1920	10,264 10,776 7,272 7,072 6,029	8,481 8,891 6,432 6,398 5,560	1,119 1,109 346 290 197	67 56 44 34 22	588 544 450 350 250		1	6,741 5,908 4,814 3,597 2,927	5,384 3,995 3,103 3,006 2,423	848 818 510 391 263	190 123 83 100 123	123 757 1,018	120 130 100 100 118	76 85
1915	3,948 2,445 2,816 2,738 2,405	3,686 2,230 2,600 2,532 2,228	38 31 29 34 22	24 39 50 49 41	200 145 137 123 114			2,200 2,389 2,442 2,481 2,131	1,813 1,815 1,829 1,866 1,576	91 102 92 112 76	160 272 311 306 289		136 200 210 197 190	
1910 1909 1908 1907 1906	2,160 2,013 2,022 2,192 2,052	1,995 1,857 1,880 2,051 1,921	19 15 14 19 18	38 41 39 35 27	108 100 89 87 86			2,114 1,987 1,595 1,896 1,756	1,609 1,522 1,159 1,469 1,365	68 50 44 60 52	265 251 232 214 191		172 164 160 153 148	
1905	ı	1,751 1,563 1,575 1,473 1,585	14 11 12 11 11	18 13 9 9	76 70 67 57 47			1,561 1,378 1,323 1,292 1,213	1,215 1,062 1,019 996 912	41 35 38 35 36	160 140 127 124 130		145 141 139 137 135	
1900 7	1,686 1,578 1,400 1,340 1,173 1,082	1,623 1,534 1,363 1,304 1,136 1,048	17 23 19 19 21 18	8 19 17 16 15			1 1 1 1 1 1	1,179 1,149 973 896 1,041 1,048	869 894 735 653 803 816	53 30 26 25 30 26	120 98 77 76 69 71		137 114 124 133 127 122	13 11 10 12 13

INTERNATIONAL TRANSACTIONS AND FOREIGN AID

Series U 1-25. Balance of International Payments: 1790 to 1970—Con.
[In millions of dollars]

		Exports	of goods and	services 1			1	Imports of good	ls and service	8	
Year	Total	Merchan- dise, adjusted ²	Transpor- tation	Travel	Other trans- actions	Total	Merchan- dise, adjusted	Transpor- tation	Travel	Income on foreign in- vestments in U.S. 6	Other trans- actions
	1	2	3	4	7	8	9	10	11	13	14
1895	888 981 1,021 1,122 1,035	855 943 974 1,084 997	18 17 20 23 24	14 20 26 14 13	1 1 1 1	1,015 883 1,140 1,142 1,124	774 692 898 888 875	28 22 26 28 31	75 45 62 69 69	126 113 139 143 134	12 10 15 14 15
1890	960 880 786 810 817	921 841 750 774 781	23 23 22 21 20	15 14 14 14 15	1 1 1 1	1,109 1,046 1,013 967 894	866 817 791 759 698	36 35 34 31 30	68 62 67 65 60	125 118 107 98 93	15 14 14 14 13
1885	830 862 915 859 971	792 822 875 824 936	20 23 25 26 26	17 15 13 7 6	2 2 2 2 2 2	818 921 927 915 834	635 730 748 747 672	28 31 31 30 27	58 56 45 39 34	86 90 89 84 88	12 14 14 14 12
1880	963 813 813 716 654	929 784 780 687 620	25 22 26 24 26	7 5 4 3 4	2 2 3 3 4	848 612 595 614 634	694 469 462 475 478	28 20 20 21 23	35 36 29 23 29	79 78 76 86 96	13 8 8 9 9
1875	623 707 675 578 603	590 669 631 539 564	26 31 39 31 29	3 3 2 4 6	3 4 4 4	722 767 856 824 704	556 593 683 662 557	26 31 36 30 24	30 30 25 32 28	99 102 99 86 84	11 12 13 13 11
1870	507 395 428 401 481	473 365 395 369 446	27 24 28 27 29	3 2 2 1 1	4 3 4 4 5	608 567 505 550 572	475 450 382 430 459	22 23 22 29 27	22 17 26 25 25	80 69 67 58 51	9 9 8 . 9 10
1865	279 304 313 272 303	261 288 287 248 261	16 14 19 20 36	1 1 1	2 2 7 4 5	343 418 328 272 406	256 339 260 211 344	15 21 13 11 17	22 17 15 14 15	45 34 31 30 24	5 7 9 5 6
1860	438 384 350 385 359	401 358 326 366 329	35 25 23 18 27	2 1 2 2 2		438 416 334 416 378	376 352 293 375 327	17 14 8 10 9	20 26 17 16 19	25 23 15 15 23	
1855 1854 1853 1852 1851	303 314 258 232 251	279 281 231 211 219	22 28 23 17 28	2 4 4 4		325 377 333 265 271	272 316 279 221 225	8 15 13 9 10	23 25 25 20 23	22 20 16 15 13	
1850	166 166 174 181 133	153 146 155 160 114	9 16 17 19 17	4 3 2 2 2		210 173 188 178 143	185 154 161 151 126	5 6 6 7 5	8 2 2 4 3	12 12 12 9 9	9 8 9 8
1845	135 126 101 119 136	115 112 85 105 122	19 14 15 13 13	1 1 1 1		138 126 81 119 148	120 111 66 102 130	5 4 6 4 4	4 5 3 5 6	9 7 7 8 8	
1840	160 135 128 133 141	133 121 109 118 129	27 12 19 13 11	1 1 1 2 2		134 188 135 161 209	109 165 116 144 194	7 4 5 4 4	6 5 4 4	12 14 10 9 9	
1835 1884 1833 1832 1831	132 116 101 101 97	122 105 90 88 82	9 10 9 12 14	1 1 1 1		166 140 119 112 112	153 129 110 103 103	3 3 4 4	3 2 1 1	7 6 5 4	
1830 1829 1828 1827 1826	86 83 84 98 91	74 73 73 83 78	11 10 10 14 13	1		79 83 97 90 95	71 75 89 80 85	3 3 3 3 3	1 2 2 2 2	5 4 5 5	
1825 1824 1823 1822 1821 1820	112 90 89 83 76 84	100 77 75 73 66 70	12 14 14 10 11			106 90 87 92 72 84	96 81 78 83 63 75	3 3 3 3 3 3	2 1 1 1 2 2	55555	

INTERNATIONAL TRANSACTIONS AND FOREIGN COMMERCE

Series U 1-25. Balance of International Payments: 1790 to 1970—Con.
[In millions of dollars]

	Expo	rts of good services ¹	ls and		Imports o	f goods ar	nd service	8		Ехро	rts of good services ¹	ls and		Imports o	f goods ar	nd services	3
Year	Total	Mer- chan- dise, ad- justed ²	Trans- porta- tion	Total	Mer- chan- dise, ad- justed	Trans- porta- tion	Income on for- eign in- vest- ments in U.S. 6	Other transac- tions	Year	Total	Mer- chan- dise, ad- justed ²	Trans- porta- tion	Total	Mer- chan- dise, ad- justed	Trans- porta- tion	Income on for- eign in- vest- ments in U.S. 6	Other transac- tions
	1	2	3	8	9	10	13	14		1	2	3	8	9	10	13	14
1819 1818 1817 1816	91 116 103 105	72 95 89 84	19 20 14 21	105 141 118 163	94 128 102 151	4 4 3 4	6 6 7 5	2 3 2 3	1804 1803 1802 1801	114 88 98 134	81 59 75 95	34 30 23 39	102 80 91 132	87 67 78 114	7 6 5 8	5 4 5 5	4 3 3 5
1815 1814 1813 1812 1811	81 11 45 75 114	55 8 32 39 63	26 3 13 36 51	96 20 30 96 78	85 16 22 83 61	5 1 3 7 10	4 3 4 3 5	2 3 2	1800 1799 1798 1797 1796	107 111 83 79 94	74 80 62 57 67	33 30 21 21 27	108 96 84 90 97	93 81 72 77 84	7 6 4 4 5	5 6 5 5	4 3 3 8 3
1810 1809 1808 1807 1806	117 88 55 162 148 134	68 55 26 109 105 97	49 33 29 53 43 37	110 76 71 167 155 144	91 61 58 146 137 128	10 7 6 11 9 7	6 6 5 4 4	4 2 2 6 6 5	1795 1794 1793 1792 1791	72 55 43 32 29 29	48 36 28 23 21 21	24 19 15 9 8 7	85 46 42 40 37 30	73 36 33 33 31 24	5 4 3 2 2 2	4 5 5 4 4 4	3 1 1 1 1

			ransfers, net	U.S. ca	pital flows, net	[outflow of fu	nds (-)]		tal flows, net	Transactions	
	Balance on goods and	[to foreign c	ountries (-)]	Government.		Private		outflow of	funds (-)]	in U.S. official reserve	Errors and omissions,
Year	services	Private	Government 1	long- and short-term	Direct long-term ³	Other long-term	Short-term	Long-term	Short-term	assets, net [increase(-)]	net
	15	16	17	18	19	20	21	22	23	24	25
1970	3,563 1,911 2,425 5,136 5,170	-1,012 -895 -796 -837 -618	-2,196 -2,050 -2,113 -2,248 -2,277	-1,584 -2,198 -2,268 -2,421 -1,534	-4,400 -3,254 -3,209 -3,137 -3,661	-1,353 -1,601 -1,088 -1,292 -257	-1,132 -569 -1,087 -1,228 -414	3,545 3,969 6,029 2,411 2,156	2,401 8,341 3,383 4,441 1,165	2,477 -1,187 -880 52 568	-1,174 -2,470 -399 -881 -302
1965 1964 1963 1962 1961	7,098 8,568 5,957 5,126 5,599	659 587 563 467 424	-2,177 -2,167 -2,179 -2,164 -2,088	-1,598 -1,676 -1,661 -1,094 -926	$\begin{array}{r} -3,468 \\ -2,328 \\ -1,976 \\ -1,654 \\ -1,598 \end{array}$	$\begin{array}{c} -1,079 \\ -2,103 \\ -1,698 \\ -1,227 \\ -1,025 \end{array}$	754 -2,147 -786 -546 -1,556	-68 110 326 274 442	451 3,209 2,656 1,423 2,026	1,222 171 377 1,533 606	$\begin{array}{r} -477 \\ -1,048 \\ -455 \\ -1,206 \\ -1,054 \end{array}$
1960 1959 1958 1958 1957 1956	4,107 310 2,356 5,901 4,145	414 599 563 570 555	-1,878 -1,849 -1,798 -1,775 -1,868	-1,104 -353 -971 -958 -629	$\begin{array}{r} -1,674 \\ -1,372 \\ -1,181 \\ -2,442 \\ -1,951 \end{array}$	-856 -926 -1,444 -859 -603	-1,349 -77 -311 -276 -517	430 709 73 399 593	1,690 2,862 1,186 738 1,864	2,145 1,035 2,292 -1,165 -869	$egin{array}{c} -1,098 \\ +260 \\ +361 \\ +1,012 \\ +390 \end{array}$
1955 1954 1963 1963 1952 1951	2,153 1,959 582 2,356 3,817	-456 -504 -508 -448 -409	-2,042 -1,776 -1,978 -2,088 -3,106	-310 93 -218 -420 -156	-823 -667 -735 -852 -508	-241 320 185 214 437	-191 -635 167 -94 -103	390 274 228 166 205	967 1,036 846 1,507 376	182 480 1,256 -415 -33	+371 +60 +220 +497 +354
1950 1949 1948 1947 1946	1,892 6,218 6,518 11,617 7,807	-454 -532 -697 -682 -673	-3,563 -5,106 -3,828 -1,943 -2,249	-156 -652 -1,024 -4,224 -3,019	-621 -660 -721 -749 -230	495 80 69 49 127	-149 187 -116 -189 -310	68 119 -172 -98 -347	1,844 55 730 -1,229 -638	1,758 -266 -1,736 -3,315 -623	-124 +717 +1,115 +861 +155
1945 1944 1943 1942 1941	6,041 12,452 11,038 6,413 2,410	478 357 249 128 179	-6,640 -13,785 -12,658 -6,213 -957	-1,019 -231 -109 -221 -391	-100 71 98 19 47	354 62 58 84 19	-96 -85 -12 96 21	-104 175 -63 -84 -327	2,189 509 1,222 182 -400	548 1,350 757 23 -719	+8 -37 +34 -8 +476

INTERNATIONAL TRANSACTIONS AND FOREIGN AID

Series U 1-25. Balance of International Payments: 1790 to 1970—Con. [In millions of dollars]

			ransfers, net	U.S. cap	oital flows, net	[outflow of fu	nds (-)]	Foreign capi	tal flows, net	Transactions	
	Balance on goods and	[to foreign c	ountries (-)]	Government.		Private		[outflow of	funds (—)]	in U.S. official reserve	Errors and omissions,
Year	services	Private	Government 1	long- and short-term	Direct long-term ³	Other long-term	Short-term	Long-term	Short-term	assets, net [increase(-)]	net
	15	16	17	18	19	20	21	22	23	24	25
1940	1,719 1,066 1,291 297 115	178 151 153 175 176	-32 -27 -29 -60 -32	-51 -14 -9 2	32 9 16 35 -12	36 104 24 241 189	177 226 36 43 52	-90 -86 57 245 600	1,353 1,259 317 311 376	$\begin{array}{r} -4,243 \\ -3,174 \\ -1,799 \\ -1,364 \\ -1,272 \end{array}$	+1,277 +788 +249 +425 +157
1985 1934 1933 1932 1931	128 601 358 407 516	-162 -162 -191 -217 -279	-20 -10 -17 -21 -40	1 -5 -7 26 14	34 -17 32 -16 -222	82 202 - 80 267 350	427 104 42 227 628	320 10 15 10 125 26 66	648 126 -454 -673 -1,265	$\begin{array}{r} -1,822 \\ -1,266 \\ 131 \\ -58 \\ 133 \end{array}$	+364 +412 +61 +79 +99
1930	1,032 1,148 1,377 1,073 826	-306 -343 -346 -355 -361	-36 -34 -19 -2 -20	77 38 49 46 30	-294 -602 -558 -351 -351	-70 -34 -752 -636 -470	-191 -200 -231 -349 -36	66 358 463 - 50 95	-288 196 -117 934 455	-310 -143 238 113 -93	+320 -384 -104 -423 -75
1925	1,087 1,351 842 997 2,122	373 339 328 314 450	-30 -25 -37 -38 -59	27 28 91 31 30	-268 -182 -148 -153 -111	-603 -708 -235 -669 -477	-46 -109 -82	11 301 11 185 11 338 7 -4	-60 228 49	100 -256 -315 -269 -735	- 135 - 178 - 175 + 408 - 316
1920	3,523 4,868 2,458 3,475 3,102	-634 -832 -268 -180 -150	-45 -212 -25	-175 -2,328 -4,028 -3,656	154 94	-400 -75 -396 -594 -1,064		-278 -215 -36 -391	422 400 -900	68 166 -5 -312 -531	$ \begin{array}{r} -1,905 \\ -1,278 \\ +1,817 \\ +928 \\ -66 \end{array} $
1915 1914 1913 1912 1911	1,748 56 374 257 274	-150 -170 -207 -212 -224			-76 -138 -139 -95	-790 -14 -27 -70 -28		-789 -432 252 232 171	450 450	-499 100 -25 -81 -90	+30 +86 -229 +13 -8
1910 1909 1908 1907 1906	46 26 427 296 296	-204 -187 -192 -177 -147			-124 -88 -48 -89 -92	34 24 87 24 46		345 171 89 136 114		-71 18 -44 -154 -171	-26 +84 -145 -36 -46
1905 1904 1903 1902 1901	298 279 340 258 438	-133 -127 -115 -105 -104	-10		46 80 81 65 89	-93 11 40 -40 -123		56 59 20 -30 -33		-71 -25 -71 -71 -61	-11 -67 -133 +53 -28
1900 7 1900 8 1899 1898 1897 1896	507 429 427 444 132 34	-95 -54 -48 -44 -41 -49	-20		— 56		296 229 279 -23 40	-75	l 	-91 -78 -130 -121 -68 -25	-103
1895	-127 98 -119 -20 -90	-55 -54 -44 -54 -50				-	137 -66 146 41 136			44 22 17 33 4	(12)
1890	-150 -166 -226 -157 -77	45 44 30 28 28					194 202 287 231 137			1 8 -30 -46 -32	
1885	12 -59 -12 -55 137	-27 -24 -22 -13 -5					34 105 51 110 -41			-19 -23 -17 -42 -91	

INTERNATIONAL TRANSACTIONS AND FOREIGN COMMERCE

Series U 1-25. Balance of International Payments: 1790 to 1970—Con. [In millions of dollars]

	Balance on goods	net [to	l transfers, foreign ies (—)]	U.S. and foreign capital flows, net	Transac- tions in U.S. official reserve		Balance on goods	net [to	l transfers, foreign ies (—)]	U.S. and foreign capital flows, net		Balance on goods	Unilateral transfers, net [to foreign	U.S. and foreign capital flows, net
Year	and services	Private	Govern- ment 1	[outflow of funds (-)]	assets, net [increase (-)]	Year	and services	Private	Govern- ment 1	[outflow of funds (-)]	Year	and services	countries (-)], govern- ment 1	[outflow of funds (-)]
	15	16	17	18-23	24	i 	15	16	17	18-23	ļ 	15	17	18–23
1880 1879 1878 1877 1876	114 202 218 102 20	-4 -8 -11 -13 -11		30 -160 -162 -57	-140 -34 -44 -33 -10	1850 1849 1848 1847 1846	-44 -8 -15 3 -10	20 16 13 16 11	-4 -6	29 -3 2 -19 -1	1819 1818 1817 1816	-15 -25 -11 -58		15 25 11 58
1875 1874 1873 1872 1871	-99 -61 -181 -246 -101	-14 -11 -2 4	16	87 82 167 242 101	27 —11	1845 1844 1843 1842 1841	-2 20 1 -12	6 4 2 6 4		-4 -4 -22 -6	1814 1813 1812 1811	-15 -9 15 -21 35		-15 -15 -21 -35
1870 1869 1868 1867 1866	-101 -172 -77 -149 -91	1 4 4 4 -4		100 176 73 145 95		1840 1839 1838 1837 1836	26 -53 -7 -28 -68	4 4 2 6 6	1 1 4	-31 49 3 22 59	1809 1808 1807 1806	12 -17 -5 -7		-12 17 5 7
1865 1864 1863 1862 1861	-64 -114 -15	5 3 3		59 111 13 103		1835 1834 1833 1832 1831	-33 -24 -19 -12 -15	3 6 5 5		30 19 14 7 14	1804 1803 1802 1801	12 8 7 2	-ii	10 -12 3 -7 -2
1860 1859 1858 1857 1856	-1 -32 17 -30 -20	8 6 7 14 9	 	-7 26 -23 17 12		1830 1829 1828 1827 1826	6 -14 8 -4	2 2 2 2 1		-8 -2 11 -10 3	1800 1799 1798 1797 1796	-2 15 -2 -11 -3	- <u>i</u>	-15 2 11 4
1855 1854 1853 1852 1851	-22 -63 -75 -33 -20	10 28 19 20 18	-2 -7 -3 -3	15 42 56 16		1825 1824 1823 1822 1821	6 2 -9 4	1 1 i		-7 -1 -2 8 -5	1795 1794 1793 1792 1791	-12 10 2 -8 -8	-1 -1	13 -9 -2 8 8
						1820	1	1		-1	1790	-1		1

¹ Prior to 1946, includes transfers of goods and services under U.S. military grant

Series U 26-39. International Investment Position of the United States: 1843 to 1970 In billions of dollars

			U.S. in	vestments	abroad					Foreign in	vestments i	in the U.S.		
				Private						Long-term			Short-term	
Year	Total 1			Long-term			U.S. Govern-	Total	Total			Total	Private	U.S.
		Total private	Total long- term	Direct 2	Other	Short- term	ment 1	,	long- term	Direct	Other	short- term	obliga- tions	Govt. obliga- tions ³
	26	27	28	29	30	31	32	33	34	35	36	37	38	39
1970 1969 1968 1967 1966	166.9 158.1 146.8 134.7 125.2	120.2 110.4 102.5 93.6 86.4	105.0 96.3 89.5 81.7 75.8	78.2 71.0 65.0 59.5 54.8	26.8 25.3 24.5 22.2 21.0	15.2 14.1 13.0 11.9 10.6	46.7 47.7 44.3 41.1 38.8	97.7 90.8 81.2 69.7 60.4	48.7 41.1 40.4 32.0 27.0	13.3 11.8 10.8 9.9 9.1	35.4 29.3 29.5 22.1 18.0	49.0 49.7 40.9 37.7 38.4	28.1 37.9 22.6 23.0 20.8	20.9 11.9 18.3 14.8 12.6
1965 1964 1963 1962 1961	120.4 114.7 103.9 96.5 92.0	81.5 75.9 66.6 60.1 55.6	71.4 65.0 58.4 52.8 49.1	49.5 44.5 40.7 87.3 34.7	21.9 20.5 17.6 15.5 14.8	10.2 10.9 8.2 7.3 6.5	38.8 38.8 37.4 36.4 36.4	58.8 56.9 51.5 46.3 46.0	26.4 25.0 22.8 20.2 21.4	8.8 8.4 7.9 7.6 7.4	17.6 16.6 14.8 12.6 14.1	32.4 31.9 28.7 26.1 24.5	18.2 17.5 14.9 13.3 13.4	14.2 14.4 18.8 12.7 11.2

¹ Prior to 1946, includes transfers of goods and services under U.S. military grant programs.

² Includes receipts from military cash and credit transactions, the major portion of which is merchandise.

³ 1919–1929, includes reinvested earnings of subsidiaries.

⁴ Beginning 1946, income on investments includes direct investment fees and royalties.

⁸ 1919–1939, includes certain adjustments to merchandise transactions.

⁸ Net for 1790–1900.

⁷ Comparable with later years.

⁸ Comparable with earlier years.

⁹ Military expenditures in Mexico.

¹⁰ 1933, includes a net outflow of \$40 million and, 1934, a net inflow of \$30 million of funds through arbitrage operation in securities which cannot be divided between domestic and foreign securities.

¹¹ Includes transactions in securities which cannot be separated between domestic and foreign.

¹² Included in figures for series 18-23.

INTERNATIONAL TRANSACTIONS AND FOREIGN AID

Series U 26-39. International Investment Position of the United States: 1843 to 1970—Con. [In billions of dollars]

			U.S. ir	vestments	abroad					Foreign in	vestments i	n the U.S.		
				Private						Long-term			Short-term	
Year	Total ¹			Long-term	·		U.S. Govern-	Total	Total			Total	Private	U.S.
		Total private	Total long- term	Direct 2	Other	Short- term	ment 1		long- term	Direct	Other	short- term	obliga- tions	Govt. obliga- tions ³
	26	27	28	29	30	31	32	33	34	35	36	37	38	39
1960 1959 1958 1957 1956	85.6 82.2 79.2 76.4 70.8	49.3 44.8 41.1 36.9 33.4	44.5 41.2 37.6 33.7 30.4	31.9 29.8 27.4 25.4 22.5	12.6 11.4 10.2 8.4 7.9	4.8 3.6 3.5 3.2 2.9	36.3 37.4 38.1 39.5 87.4	40.9 39.1 34.4 30.7 30.5	18.4 18.0 16.4 13.8 14.3	6.9 6.6 6.1 5.7 5.5	11.5 11.4 10.3 8.1 8.8	22.4 21.1 18.0 17.0 16.3	11.7 10.8 10.9 9.9 9.4	10.8 10.2 7.1 7.1 6.8
1955 1964 1953 1952 1951	65.1 62.4 60.2 59.1 56.4	29.1 26.6 23.8 22.7 20.8	26.7 24.4 22.2 21.0 19.2	19.4 17.6 16.3 14.7 13.0	7.4 6.7 5.9 6.3 6.2	2.4 2.2 1.6 1.7	35.9 35.8 36.4 36.4 35.6	27.8 25.0 21.9 20.8 18.7	13.4 11.6 9.6 9.4 8.8	5.1 4.6 4.3 3.9 3.7	8.3 7.0 5.4 5.4 5.1	14.4 13.5 12.2 11.5 10.0	8.4 8.5 7.6 7.2 6.6	6.0 5.0 4.6 4.2 3.3
1950 1949 1948 1947 1946	54.4 53.9 52.5 48.3 39.4	19.0 16.9 16.3 14.9 13.5	17.5 15.6 14.7 13.4 12.3	11.8 10.7 9.6 8.4 47.2	5.7 4.9 5.1 5.1 5.0	1.5 1.3 1.6 1.5	35.4 37.0 36.2 33.4 25.9	17.6 14.8 14.4 13.8 15.2	8.0 7.1 6.8 6.8 7.0	3.4 2.9 2.8 2.6 2.5	4.6 4.2 4.0 4.2 4.5	9.6 7.7 7.7 7.0 8.3	6.6 5.7 5.5 5.0 5.3	3.1 2.0 2.1 2.0 3.0
1945 1940 1985 1931	36.9 34.3 23.6 20.1	14.7 12.2 13.5 15.9	13.7 11.3 12.6 14.6	8.4 7.3 7.8 8.1	5.3 4.0 4.8 6.5	1.0 .9 .9 1.3	22.2 22.1 10.1 4.2	17.0 13.5 6.4 3.8	8.0 8.1 5.1 2.3	2.5 2.9 1.6	5.5 5.2 3.5	9.0 5.4 1.2 1.5	5.3 5.1 1.2	3.7 .8
1980 1927 1924 1919 1914 (June 30)	21.5 17.9 15.1 9.7 5.0	17.2 13.8 10.9 7.0 3.5	15.2 12.5 10.0 6.5 8.5	8.0 6.6 5.4 3.9 2.7	7.2 5.9 4.6 2.6	2.0 1.3 .8 .5	4.3 4.1 4.2 2.7 1.5	8.4 6.6 3.9 3.3 7.2	5 5.7 3.7 2.9 2.5 6.7	5 1.4 1.0 .9 1.3	1.9 1.6 5.4	2.7 2.9 1.0 .8 .5	2.7 1.0 .8 .5	
1908 1897 1869 1848	2.5 .7 .1 (Z)	2.5 .7 .1	2.5 .7	1.6	.9 .1			6.4 3.4 1.5 .2	6.4 3.1 1.4			.3		

Z Less than 50 million.

Beginning 1914, includes U.S. monetary gold stock.

Beginning 1960, excludes Cuba.

Includes long-term and short-term.

Series U 40. International Investment Position of the United States (Net Liabilities): 1789 to 1900 [In millions of dollars]

Year	Amount	Year	Amount	Year	Amount	Year	Amount	Year	Amount	Year	Amount	Year	Amount	Year	Amount
	40		40		40		40		40		40		40		40
1900 1899 1898 1897 1896 1895 1894 1893 1892 1891 1890 1889 1888 1888	2,501 2,797 3,026 3,305 3,328 3,288 3,151 3,217 3,017 3,030 2,894 2,700 2,498 2,211	1886	1,843 1,809 1,704 1,653 1,543 1,584 1,554 1,714 1,876 1,933	1872 1871 1870 1869 1868 1867 1866 1865 1865 1863 1862 1861 1860 1860	1,353 1,252 1,152 976 903 758 663 604 493 480 480	1858 1857 1856 1855 1854 1853 1852 1852 1851 1850 1849 1848 1848 1847 1846	381 364 352 337 295 239 223 217 188 191 189 208	1844 1843 1842 1841 1840 1839 1838 1837 1836 1835 1834 1832 1832 1831	292 243 240 218 159 129 110	1830 1829 1828 1828 1827 1826 1825 1824 1823 1822 1821 1820 1819 1818 1818	83 85 74 84 81 88 89 91	1816	65 56 71 50 85 92 104 87 82	1802 1801 1800 1799 1798 1797 1796 1795 1795 1794 1793 1792 1791 1790 1789	81 83 81 96 94 83

¹ Includes defaults of \$20 million in 1816 and 1817; \$30 million in 1818 and 1819; and \$12 million in 1841 and 1842.

⁴ New series for direct investments, based on *Investments of the United States*, Government Printing Office, 1953; not comparable with earlier years.

⁵ For 1929.

Series U 41-46. Value of Direct Investment in Foreign Countries, by Area and Industry Groups: 1929 to 1970
[In millions of dollars]

Year and industry group	Total, all areas	Canada	Latin American Republics	Western Europe ¹	Western Hemi- sphere depend- encies	Other countries 2	Year and industry group	Total, all areas	Canada	Latin American Republics	Western Europe ¹	Western Hemi- sphere depend- encies	Other countries 2
	41	42	43	44	45	46		41	42	43	44	45	46
TOTAL							MANUFACTUR- ING—Con.						
1970	78,178 71,016 64,983 59,491 54,799	22,790 21,127 19,535 18,102 17,017	12,252 11,694 11,033 10,270 9,876	24,516 21,650 19,407 17,926 16,234	2,508 2,147 2,068 1,779 1,622	16,113 14,398 12,941 11,414 10,051	1960 1959 1958 1957 1956	11,051 9,707 8,673 8,009 7,561	4,827 4,565 4,164 3,924 3,526	1,500 1,396 1,316 1,270 1,521	3,804 2,947 2,475 2,195 1,952	21 21 18 10 10	899 778 700 610 552
1965	49,474 44,480 40,736 37,276 34,717	15,318 13,855 13,044 12,133 11,602	9,441 8,942 8,712 8,474 8,286	13,985 12,129 10,340 8,930 7,742	1,445 1,312 1,229 1,050 954	9,285 8,242 7,411 6,689 6,134	1955 1954 1958 1952 1951	-	3,093 2,777 2,540 2,303 2,009	1,351 1,221 1,133 1,152 981	1,685 1,478 1,310 1,194 1,074	3 2 1 1	491 421 356 317 283
1960	31,865 29,827 27,409 25,394 22,505	11,179 10,310 9,470 8,769 7,795	7,481 8,120 7,773 7,434 6,844	6,691 5,323 4,573 4,151 3,561	884 768 696 618 454	5,630 5,306 4,897 4,422 3,851	1950 1940 1936 1929	3,881 1,926 1,710 1,813	1,897 943 799 820	780 210 192 231	932 639 611 629	(3) (3) (3) (3)	221 133 108 134
1955 1954 1953 1962 1951	19,395 17,631 16,253 14,721 12,979	6,761 6,043 5,349 4,641 3,969	6,031 5,741 5,589 5,355 4,818	3,002 2,643 2,375 2,153 1,989	211 189 185 159 131	3,390 3,015 2,755 2,413 2,072	TRANSPORTA- TION, COM- MUNICATION, AND PUBLIC UTILITIES						
1950 1940 1936 1929	11,788 7,000 6,691 7,528	3,579 2,103 1,952 2,010	4,445 2,771 2,847 3,519	1,733 1,420 1,245 1,353	131 (3) (3) (3)	1,900 706 4647 646	1970 ⁶ 1969 1968 1967 1966	2,719 2,672 2,393 2,284	629 599 506 495	627 628 621 624	84 94 78 67	74 58 51 48	1,305 1,294 1,138 1,050
1940	435 482 880	13 10 21	359 400 817		(3) (3)	63 71 43	1965 1964 1963 1962 1961	2,136 2,020 2,061 1,989 1,988	486 471 457 473 471	596 568 715 692 681	60 53 44 50 47	45 47 47 47 49	949 880 798 727 739
MINING AND SMELTING								2,215 2,445	626 633	820 1,103	45 44	49 49	676
1970	6,168 5,658 5,435 4,876 4,365	2,989 2,769 2,638 2,342 2,089	1,391 1,363 1,410 1,277 1,198	75 72 61 61 54	679 577 519 431 367	1,035 878 806 765 658	1960 1959 1958 1957 1956	2,270 2,145 1,778	601 581 358 329	1,049 1,001 1,033 987	41 38 41 32	48 48 31 26	616 531 477 320 278
1965 1964 1963 1962 1961	3,931 3,665 3,419 3,244	1,851 1,713 1,549 1,489	1,164 1,154 1,143 1,145	54 56 55 50	310 250 210 176	552 492 462 384	1955 1954 1953 1952 1951	1,566 1,516 1,477 1,432	304 303 290 287	977 962 953 926	31 30 29 28	16 14 14 15	238 207 191 176
1960	3,094 2,997 2,848 2,558 2,361 2,419	1,367 1,325 1,089 938 856 1,002	1,153 1,143 1,254 1,180 1,112 1,039	48 49 50 52 55 51	179 176 158 187 120 106	347 304 297 251 218 221	1950 1940 1936 1929	1,425 1,514 1,640 1,610	284 407 520 542	927 962 937 887	27 74 91 145	(3) (3) (3) (3)	172 71 92 36
1955 1954 1953 1952 1951	2,197 2,066 1,920 1,622 1,292	904 822 698 564 406	961 954 968 845 719	45 40 36 34 32	86 78 69 55 32	201 172 149 124 103	1970 ° 1969 1968 1967 1966	4,716	1,225 1,123 1,043 996	1,309 1,251 1,207 1,159	2,432 2,129 2,060 1,933	98 94 94 87	791 683 612 540
1950	1,129 782 1,032 1,185	334 187 239 400	628 512 708 732	31 53 43 (³)	38 (3) (3) (3)	98 30 42 53	1965 1964 1963 1962 1961	4,219 3,688 3,307 2,985 2,670	882 805 747 699 646	1,041 947 882 813 775	1,730 1,446 1,237 1,084 893	91 89 82 76 80	476 401 359 312 276
MANUFAC- TURING	32,261	10,059	4,336	13,706	285	3,876	1960 1959 1958 1957	2,353 2,039 1,786 1,668	630 564 524 499	674 636 567 545	736 586 480 433	64 47 37 26	248 206 178 165
1969 1968 1967 1966	29,527 26,414 24,172 22,078	9,406 8,568 8,095 7,692	4,078 3,711 3,310 3,081	12,280 10,796 9,798 8,879	270 293 276 236	3,493 3,045 2,694 2,190	1956 1955 1954 1953	1,483 1,296 1,170 1,047	464 411 377 342	432 401 351	326 297 256 234	2 2 2 1	181 154 134 119
1965 1964 1963	19,339 16,935 14,937 13,250	6,872 6,198 5,761	2,745 2,841 2,102	7,606 6,587 5,634	200 166 111	1,916 1,643 1,329	1952	963 876	289 262	340 300	218 207	î	115 106
1962 1961	13,250 11,997	5,312 5,076	1,898 1,684	4,889 4,255	46 23	1,111	1950 ,1940 1936 1929	762 523 391 368	240 112 79 38	242 82 100 119	186 245 144 189	(5) (8) (3)	91 84 68 72

Series U 41-46. Value of Direct Investment in Foreign Countries, by Area and Industry Groups: 1929 to 1970—Con. [In millions of dollars]

Year and industry group	Total, all areas	Canada	Latin American Republics	Western Europe ¹	Western Hemi- sphere depend- encies	Other countries 2	Year and industry group	Total, all areas	Canada	Latin American Republics	Western Europe ¹	Western Hemi- sphere depend- encies	Other countries 2
_	41	42	43	44	45	46		41	42	43	44	45	46
PETROLEUM							OTHER 7						
1970	21,714 19,882 18,887 17,399 16,222	4,807 4,361 4,094 3,819 3,608	3,178 3,079 3,014 2,903 2,897	5,466 4,818 4,636 4,423 4,003	765 644 667 569 578	7,503 6,980 6,477 5,684 5,136	1970 1969 1968 1967 1966	18,035 7,374 6,295 5,636 5,134	4,935 2,787 2,513 2,298 2,137	3,353 1,238 1,019 952 917	5,269 1,964 1,691 1,507 1,297	778 484 436 358 306	3,701 950 636 520 477
1965	15,298 14,328 13,652 12,725 12,190	3,356 3,196 3,134 2,875 2,828	3,034 3,100 3,095 3,162 3,254	3,427 3,122 2,776 2,385 2,152	512 489 541 480 420	4,969 4,421 4,106 3,823 3,536	1965 1964 1963 1962 1961	3,844 3,359	1,871 1,473 1,396 1,285 1,215	861 832 775 763 738	1,107 864 594 477 347	287 271 238 226 203	424 408 357 332 275
1960 1959 1958 1957 1956	10,810 10,324 9,822 9,055 7,355	2,664 2,467 2,293 2,016 1,759	2,739 2,862 2,830 2,702 1,940	1,763 1,452 1,320 1,253 990	382 346 322 296 258	3,261 3,197 3,057 2,788 2,408	1960 1959 1958 1957 1956	2.463	1,107 993 950 894 692	606 868 832 805 801	293 244 205 177 201	192 148 134 119 48	240 210 179 162 166
1955 1954 1953 1952 1951	5,899 5,297 4,914 4,278 3,687	1,381 1,165 941 719 563	1,550 1,466 1,471 1,376 1,218	762 668 609 532 512	72 73 84 79 76	2,134 1,925 1,809 1,567 1,318	1955 1954 1953 1952 1952	1,733 1,632 1,515 1,419 1,344	643 598 526 476 443	751 723 705 690 674	180 169 157 146 137	23 19 16 8 7	136 123 111 99 83
1950 1940 1936 1929	3,390 1,278 1,074 1,117	418 120 108 55	1,233 572 453 617	426 306 275 231	(3) (3) (3) (3)	1,243 280 238 214	1950 1940 1936 1929	1,251 544 362 555	406 320 197 136	635 74 57 116	130 104 80 209	(3) (3) (8)	76 46 28 94

¹ Includes Eastern Europe in 1929, 1936, and 1940, amounting to \$89 million, \$93 million, and \$259 million, respectively. Excludes Turkey for 1936 and 1940.

² Includes Turkey for 1936 and 1940, and Western European dependencies for 1929, 1936, and 1940.

³ Combined with "Other countries."

⁴ Includes \$26 million reported as "International."

Series U 47-74. Value of Foreign Direct Investment in the United States, by Area and Industry: 1937 to 1970 [In millions of dollars. Book value at yearend. Covers U. S. business enterprises, including real estate investments, in which there was a foreign interest or ownership of 25 percent or more]

		All a	reas			Car	ada				Eu	rope		
Year	Total 1	Petroleum		Finance and	Total 1	Petroleum		Finance and	Total 1	Petroleum	Manu-	Finance and	United	Kingdom
			facturing	insurance			facturing	insurance			facturing	insurance	Total 1	Petroleun
	47	48	49	50	51	52	53	54	55	56	57	58	59	60
1970 1969 1968 1967 1966	13,270 11,818 10,815 9,923 9,054	2,992 2,493 2,261 1,885 1,740	6,140 5,344 4,475 4,181 8,789	2,256 2,189 2,305 2,193 2,072	3,117 2,834 2,659 2,575 2,439	190 132 100 99 98	1,886 1,644 1,413 1,397 1,342	324 325 376 354 386	9,554 8,510 7,750 7,005 6,273	2,777 2,322 2,146 1,772 1,620	4,091 3,530 2,941 2,669 2,335	1,805 1,766 1,855 1,758 1,611	4,127 3,496 3,409 3,156 2,864	1,220 829 749 612 558
1965 1964 1963 1962 1961	8,797 8,363 7,944 7,612 7,392	1,710 1,612 1,513 1,419 1,325	3,478 3,213 3,018 2,885 2,754	2,169 2,181 2,045 1,943 2,025	2,388 2,284 2,183 2,064 1,989	208 205 213 212 194	1,219 1,129 1,063 1,015 975	370 382 337 269 274	6,076 5,819 5,491 5,245 5,129	1,481 1,404 1,306 1,203 1,125	2,167 2,005 1,881 1,797 1,708	1,724 1,723 1,640 1,611 1,690	2,852 2,796 2,665 2,474 2,484	511 498 480 416 381
1960 1959 1958 1957 1966	6,910 6,604 6,115 5,710 5,459	1,238 1,184 1,099 1,043 937	2,611 2,471 2,232 2,083 1,940	1,810 1,734 1,660 1,496 1,534	1,934 1,896 1,835 1,773 1,690	203 207 214 211 200	932 907 863 816 775	246 227 222 208 196	4,707 4,452 4,070 3,753 8,598	1,028 972 885 832 737	1,611 1,501 1,332 1,248 1,155	1,504 1,451 1,384 1,238	2,248 2,167 2,024 1,881 1,833	339 316 283 271 227
1955 1964 1968 1968 1952	5,076 4,633 4,251 3,945 3,658	853 776 706 552 466	1,759 1,582 1,451 1,377 1,274	1,499 1,371 1,219 1,170 1,105	1,542 1,427 1,350 1,218 1,119	196 192 168 90 62	711 651 611 592 525	179 168 162 149 150	3,369 3,049 2,751 2,575 2,410	657 584 538 462 404	1,040 925 836 782 747	1,272 1,158 1,014 977 912	1,749 1,590 1,422 1,345 1,273	204 180 163 137 118
1950 1941 1937	3,391 2,312 1,882	405 222 283	1,138 714 729	1,065 521 412	1,029 530 463	56	468	153	2,228 1,569 1,837	349	669	870	1,168 712 833	95

⁵ Beginning 1950, included in "Other."

⁶ For 1970, "Transportation, communication, and public utilities" and "Trade" included in "Other."

⁷ Excludes insurance in 1929; includes "Agriculture" beginning 1950; includes "Transportation, communication, and public utilities" and "Trade" in 1970.

Series U 47-74. Value of Foreign Direct Investment in the United States, by Area and Industry: 1937 to 1970—Con.
[In millions of dollars]

		Europe—Continued														
	United K	ingdom—		Netherlands				Switzerland	d		Other					
Year	Manu- facturing Finance and insurance		Total 1	Petroleum	Manu- facturing	Finance and insurance	Total 1	Manu- facturing	Finance and insurance	Total 1	Petroleum	Manu- facturing	Finance and insurance	areas 2		
	61	62	63	64	65	66	67	68	69	70	71	72	73	74		
1970 1969 1968 1967 1966	1,391 1,176 1,076 1,009 906	1,141 1,143 1,239 1,189 1,075	2,151 1,966 1,750 1,508 1,402	1,311 1,275 1,215 1,021 953	652 535 426 388 356	58 55 54 41 39	1,545 1,395 1,238 1,096 949	1,147 1,026 863 744 615	351 323 331 309 287	1,731 1,653 1,353 1,245 1,059	246 218 182 139 109	901 793 576 529 458	256 245 231 219 210	599 474 406 343 341		
1965	839 812 779 762 750	1,176 1,154 1,085 1,023 1,091	1,304 1,231 1,134 1,082 1,023	887 842 772 736 693	328 296 275 248 231	36 39 36 43 43	940 896 825 836 830	590 530 477 454 433	303 321 307 339 345	980 897 867 855 791	83 64 54 51 51	410 367 350 333 294	209 209 212 207 211	332 259 269 302 274		
1960	722 698 640 611 566	953 927 889 794 841	947 892 816 747 681	639 607 553 512 461	213 197 176 155 142	42 42 41 39 38	773 716 636 576 557	427 395 344 324 304	300 280 261 223 230	739 677 594 549 527	50 49 49 49 49	249 210 172 158 143	209 201 193 182 180	269 256 210 184 171		
1955	510 460 419 395 388	836 751 647 626 583	613 533 480 423 376	411 364 333 289 257	127 98 80 68 54	37 36 35 34 34	522 466 415 390 369	282 257 237 224 215	223 201 176 165 155	485 460 434 417 392	42 40 42 36 29	121 110 100 95 90	176 170 156 152 140	165 157 150 152 139		
1950 1941 1937	337	554	334 386 179	226	44	34	348 138 74	204	147	377	28	84	135	134 213 82		

 $^{^{\}rm 1}$ Includes industries not shown separately: Mining and smelting, transportation and utilities, trade, and miscellaneous.

Series U 75-186. U.S. Government Foreign Grants and Credits, by Country: 1945 to 1970

[In millions of dollars. Negative figures (-) occur when the total of grant returns, principal repayments, and/or foreign currencies disbursed by the Government exceeds new credits utilized and/or acquisitions of foreign currencies through new sales of farm products]

Series No.	Program and country	Total, 1945–1970	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960
75	Total, net 1	133,777	5,695	6,697	6,787	6,673	5,505	5,052	4,923	5,055	4,528	4,236	4,590
76 77 78 79 80	Investment in 5 international finan- cial agencies 2	1,928 131,848 48,640 49,137 495	234 5,462 2,548 2,551 3	184 6,513 2,954 2,958 4	127 6,660 2,923 2,927 4	194 6,479 2,506 2,511 4	-101 5,606 2,112 2,118 5	5,052 1,673 1,682	112 4,811 1,394 1,408	62 4,993 1,628 1,637	122 4,406 1,622 1,758 136	172 4,064 1,515 1,523 8	153 4,437 1,812 1,822 11
81 82 83 84 85 86	Western Europe (excluding Greece and Turkey) Near East (incl. Greece, Turkey, and U.A.R.) and South Asia Africa (excluding U.A.R.) Far East and Pacific Western Hemisphere Unspecified areas	16,681 7,283 314 22,740 1,207 417	200 19 2,235 25 4	266 26 2,561 36 4	183 283 34 2,405 64 4	148 345 29 1,915 64 5	137 255 34 1,609 72 5	248 830 24 1,014 59	289 309 25 687 59 26	383 30 685 56 27	363 337 30 789 74 28	412 241 18 689 133 22	623 332 12 743 77 24
87 88 89 90 91	Net new economic and technical aid grants 3	55,353 21,171 34,182 57,036 1,683	1,734 10 1,724 1,735	1,649 6 1,643 1,651	1,709 19 1,690 1,712	1,805 10 1,795 1,808	1,910 12 1,898 1,914	1,808 21 1,787 1,814 6	1,888 21 1,867 1,901 14	1,917 28 1,889 1,937	1,916 40 1,877 1,934 17	1,855 44 1,812 1,882 27	1,671 50 1,622 1,705 84
92 93 94 95 96	Net new credits 3 s		1,280 -284 1,564 2,993 1,713	2,111 206 1,905 3,300 1,190	2,208 121 2,087 3,587 1,878	2,445 367 2,078 3,443 998	1,388 -283 1,671 2,613 1,225	1,598 -255 1,853 2,463 865	1,559 -3 1,562 2,270 711	1,162 -401 1,563 2,142 980	727 -802 1,529 2,006 1,279	489 -818 1,306 1,757 1,268	430 -168 597 1,039 609
98 99 100 101	Other assistance (through net accumulation of foreign currency claims) Developed countries Currency claims acquired Less: Currencies disbursed	2,780 436 2,344 15,752 12,972	101 20 80 451 552	-201 -17 -184 486 687	-179 -17 -162 700 879	-278 -15 -263 851 1,128	195 14 210 953 757	-27 -29 2 1,079 1,106	-30 17 -46 1,394 1,424	285 35 250 1,284 999	141 9 132 1,140 998	206 31 175 1,147 941	524 85 439 1,186 662

² Includes balance of North America, and South America, Africa, Asia, and Oceania.

Series U 75–186. U.S. Government Foreign Grants and Credits, by Country: 1945 to 1970—Con.
[In millions of dollars]

Program and country						i millions c	n donars							
Selames (through net accumus) Selames (through net accumus		Program and country		1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960
Bas Developing countries	102	sistance (through net accumu- lation of foreign currency	83 201	2 914	2 559	2 728	3 979	2 492	3 379	3 417	3 365	2 785	2,550	2,625
Base Austria		Developed countries 4	25,213	-295 3,208	194	123	363	-285	-263	3,383	$-337 \\ 3,702$	$-753 \\ 3,537$	-743 3,293	- 32 2,657
Beansack	106	Western Europe	23,865 1,079	-6	-12	(Z)	-1	-2	4	8	5	12	-594 4	-16 9
100 Germany, Pederal Republic of 2,846 146 -4 88 13 -207 (2) -5 -14 -8 -8 13 13 -207 (2) -5 -14 -8 -8 13 -8 14 -8 -8 -8 -8 -8 -8 -8 -	108	Denmark	_ 260	-1	-1	-1	1	-2	- 2	-2	-2	-2	-8 -2 -68	-2 -48
	110	Germany, Federal Republic of	2,849 146	16	-4	8	13	-207 -3	(Z)	-5	14	-3	-587 -2	-28 -1
114 Norway	112	Italy	3,028										-27	12
Sweeten Kingstom	114	Norway	_ 229	-2	-2	-2	-1	-3	-4	-5	-4	-4	-52 -6 1	$-11 \\ -7 \\ 2$
18	116	SpainSweden	1,040	1	15	45	69	• 1	19	-10	1	12	110 -1	90 (Z)
121 Caechadovikia.	118	United Kingdom	6,570		-42	185			-20	-14	-75	-77	-83 123	-89 49
Poland		Eastern Europe	1,584	5	-29	2	-13	-13	-12	46	43	54	53	123
Near East and South Asia	122	Poland	. 945										57	127 -4
125	124	Near East and South Asia	21,668	991	1,107	1,202	1,462	1,461	1,673	1,789	1,741	1,499	-4 1,238	1,227
125	126	Afghanistan	_ 337]		21	18	14	28 6	4	37 4	33 5	13 9	30 10	18 8
130	128	Greece	1,126		6	- 2	11	5	27	35	30	21	110 31 373	108 28 523
1332	130	Iran	971	58	107	70	18	31	8	-6	20	46	129	38 1
134 Lebanon	132	Israel	_ 1,184							34			41	42
136	134	Lebanon	_ 103	7	4	4	1	1	(Z)	-2	3	4	61 8 10	62 10 8
141	136	Pakistan	1 3 878	242	209	282	331	221		377	380	323	218 7	229 2
141	138	TurkeyUNRWA 7	2,280 550	88	84	94	104	125		132	175	203	153 34	101 22
143		Africa	3,817	275	279								296	180
146	142	Ethiopia	_ 185		14	15	11	19	11		18	24	2 14 2	1 7 2
148	144	Liberia				13	37	23	25	12	11	35	19 23	8 34
148		Morocco											98	61 3
156	148	South Africa	92	-2	-2	-2	-2	-4	- 13	-11	~16	-13	$^{6}_{-13}$	-13 55
152	150	Zaire	365	11	12	21	35	38	51	40	43	73	30	11
154 Cambodia 257 (Z)	152	Australia	_ 355	-17	26	159	153	33	12	3	- 14	-6	748 18	786 -3
Total Trust Territory of the Pacific Thailands Trust Territory of the Pacific September	154	Cambodia 8	_ 257	(Z)	(Z)	(Z)	(Z)	(Z)	2	7	20	20	4 24 119	13 25 109
158 Korea, Republic of	156	Indonesia	1,229	189	153 22	$125 \\ -124$	52 9	27	-3	32	78	89	54 26	45 18
Fig. Philippines		Korea, Republic of	. 4,885								i		230	261
Theiland	160	Philippines	1,310	63	29	34	33	22	46	49	11	26	51 12 5	33 24 10
Islands	162	Thailand Trust Territory of the Pacific	- 544	84	38	50	39	20	25	18			29	42
166	164	Islands Vietnam, South ⁸	- 280 - 4,536				20 401			13 221			6 151	5 186
167 Bolivia 488 24 28 38 24 21 30 34 45 29 168 Brazil 2,440 93 99 199 143 236 153 213 139 159 169 Chile 1,187 56 106 151 50 88 102 97 111 88 170 Colombia 888 118 101 108 86 59 35 38 69 45 171 Costa Rica 151 8 13 11 12 10 14 10 7 9 172 Dominican Republic 400 33 37 46 60 54 79 22 48 22 173 Ecuador 205 8 11 15 27 21 17 17 14 12 174 El Salvador 109 10 7 7 11 <td></td> <td></td> <td></td> <td>541 20</td> <td></td> <td></td> <td>655 20</td> <td>-3</td> <td></td> <td></td> <td></td> <td></td> <td>711 41</td> <td>194 47</td>				541 20			655 20	-3					711 41	194 47
Cole	167 168	Bolivia Brazil	2,440	24 93	28 99	38 199	24 143	21 236	30 153	34 213	45 139	29 159	24 270	13 42
172 Dominican Republic 400 33 37 46 60 54 79 22 48 22 173 Ecuador 205 8 11 15 27 21 17 17 14 12 174 El Salvador 109 10 7 7 11 17 11 10 11 6 175 Guatemala 219 10 10 17 15 8 11 9 10 9 176 Haiti 114 4 3 4 3 3 5 4 3 10 177 Honduras 96 10 9 7 6 7 10 4 5 4 178 Jamaica 51 8 3 6 10 6 4 3 3 2 179 Mexico 575 -1 16 53 50 54 38 -55 -18 3 180 Nicaragua 135 21 17 10 9 11 7 7 7 7 181 Panama 187 15 12 10 17 22 21 10 19 11 182 Paraguay 97 6 9 8 3 4 5 7 9 4 183 Peru 356 13 10 24 24 30 33 17 4 5 184 Uruguay 115 9 16 23 4 4 2 (Z) 8 4	170	Chile Colombia	- 1,187 - 888	118	101	108	86	59	35	38	69	45	122 53	10 -7
174 El Salvador 109 10 7 7 11 17 11 10 11 6 175 Guatemala 219 10 10 17 15 8 11 9 10 9 176 Haiti 114 4 3 4 3 3 5 4 3 10 177 Hoduras 96 10 9 7 6 7 10 4 5 4 178 Jamaica 51 8 3 6 10 6 4 3 3 2 179 Mexico 575 -1 16 53 50 54 38 -55 -18 3 180 Nicaragua 135 21 17 10 9 11 7 7 7 7 7 7 7 7 7 7 7 7 1 11 12 <td< td=""><td>172</td><td>Dominican Republic</td><td>_ 400</td><td>33</td><td>37</td><td>46</td><td>60</td><td>54</td><td>79</td><td>10 22 17</td><td>48</td><td>22</td><td>(Z)</td><td>(Z) 4</td></td<>	172	Dominican Republic	_ 400	33	37	46	60	54	79	10 22 17	48	22	(Z)	(Z) 4
176 Haiti. 114 4 3 4 3 5 4 3 10 177 Honduras 96 10 9 7 6 7 10 4 5 4 3 3 2 178 Jamaica 51 8 3 6 10 6 4 3 3 2 179 Mexico 575 -1 16 53 50 54 38 -55 -18 3 180 Nicaragua 135 21 17 10 9 11 7 9 4 18 18 10 24	174	El Salvador	109	10	7	7	11	17	11	10	11	6	8	i
Tree Jamaica	176	Haiti	_ 114	4	3	4	3	3	5	4	3	10	14 14	16 5
180 Nicaragua 135 21 17 10 9 11 7 7 7 7 181 Panama 187 15 12 10 17 22 21 10 19 11 182 Paraguay 97 6 9 8 3 4 5 7 9 4 183 Peru 356 13 10 24 24 30 33 17 4 5 184 Uruguay 115 9 16 23 4 4 2 (Z) 8 4	178	Jamaica	_ 51	8	3	6	10	6	4	3	3	2	8 1 83	4 1 21
182 Paraguay 97 6 9 8 3 4 5 7 9 4 183 Peru 356 13 10 24 24 30 33 17 4 5 184 Uruguay 115 9 16 23 4 4 2 (Z) 8 4	180	Nicaragua	_ 135	21	17	10	9	11	38 7 21	7	7	7	83 9 9	8 12
184 Uruguay 115 9 16 23 4 4 2 (Z) 8 4	182 183	Paraguay	- 97 - 356	6 13	9 10	8 24	3 24	4 30	5 33	7 17	9 4	4 5	10 -20	-16
160 Venezuera			115	9 16	16 33	23 33	4 48	4 41	2 40		8 43	4 64	3 32	20 6
186 Other international organizations and unspecified areas	186		9 609	906	211	966	947	169	140	140	170	104	98	131

INTERNATIONAL TRANSACTIONS AND FOREIGN COMMERCE

Series U 75–186. U.S. Government Foreign Grants and Credits, by Country: 1945 to 1970—Con.
[In millions of dollars]

Series No.	Program and country	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945
75	Total, net	3,924	4,926	5,070	4,986	4,909	5,095	6,352	5,043	4,621	4,180	5,673	5,480	6,080	5,710	1,987
76 77 78 79 80	Investment in 5 international financial agencies 3	(Z) 3,923 2,031 2,052 21	4,926 2,368 2,379 11	5,070 2,483 2,496 12	35 4,951 2,634 2,649 16	4,909 2,672 2,681 9	5,095 3,431 3,439 8	6,352 4,266 4,329 63	5,043 2,656 2,722 66	4,621 1,440 1,456 16	4,180 519 523 4	5,678 213 213	5,480 473 540 67	318 5,763 97 97	317 5,392 69 69	(Z) 1,987 610 610
81 82 83 84 85 86	Western Europe (excluding Greece and Turkey) Near East (incl. Greece, Turkey, and U.A.R.) and South Asia Africa (excluding U.A.R.) Far East and Pacific Western Hemisphere Unspecified areas	823 445 7 669 59 28	726 648 9 885 71 28	1,059 511 9 814 66 25	1,570 337 2 643 56 25	1,423 335 3 862 30 19	1,984 842 2 1,037 47 20	3,102 329 2 769 31 33	1,888 289 - 382 60 36	859 185 - 292 67 37	324 118 63 15	171 42 -	250 224 -	- 43 - 54 - -	- - 69 -	- 610 - -
87 88 89 90 91	Net new economic and technical aid grants ³ Developed countries ⁴ Developing countries ⁴ Gross new grants Less: Reverse grants and returns	1,633 67 1,565 1,667	1,643 107 1,535 1,682 39	1,603 149 1,454 1,676 72	1,741 286 1,455 1,796 55	1,933 601 1,331 1,974 42	1,661 848 813 1,726 65	1,845 919 925 1,947 103	1,980 1,189 791 2,065 85	3,040 2,320 721 3,164 123	3,506 2,909 597 3,658 153	4,984 4,327 657 5,227 248	3,864 3,127 736 3,928 65	1,887 1,241 646 2,126 239	2,830 1,956 874 2,954 124	1,340 867 473 1,453 113
92 93 94 95 96	Net new credits 3 15 Developed countries 4 Developing countries 4 New credits Less: Principal collections	-609 614 1,030 1,025	646 -137 783 1,180 534	363 187 177 1,001 638	18 -161 179 484 466	-26 -135 109 384 410	-201 -236 36 290 491	233 -138 371 710 477	408 147 261 828 420	141 -167 308 446 305	155 - 53 208 443 288	476 382 94 669 193	1,143 1,058 85 1,561 418	3,779 3,572 208 4,061 282	2,494 2,192 301 2,562 69	37 19 17 81 44
97 98 99 100 101	Other assistance (through net accumulation of foreign currency claims) 6 Developed countries 6 Developing countries 6 Currency claims acquired Less: Currencies disbursed	254 1 254 934 679	270 31 239 1,023 753	620 46 573 1,233 614	558 104 454 1,079 520	330 80 250 556 226	203 102 101 248 46	8 8 8	l_							
102 103 104	Other grants, credits, and other as- sistance (through net accumula- tion of foreign currency claims) Developed countries 4 Developing countries 4	1,892 -541 2,433	2,559 1 2,558	2,587 382 2,205	2,318 229 2,089	2,237 546 1,691	1,664 714 950	2,086 789 1,297	2,388 1,336 1,051	3,182 2,153 1,029	3,661 2,856 805	5,460 4,709 751	5,006 4,185 821	5,666 4,813 853	5,323 4,148 1,175	1,377 886 491
105 106 107 108 109 110 111	Western Europe	-76	157 17 -2 -3 -16 -23 -1 30	503 25 -7 -2 -49 -11 -1 100	351 24 -6 -1 46 25 -1 71	692 9 6 2 286 37 - 57	810 15 -4 -1 268 83 - 101	867 36 -2 7 263 35 (Z) 109	1,378 82 13 8 343 103 (Z) 175	2,064 147 42 75 416 361 24 268	2,676 101 176 52 460 467 55 269	4,202 194 240 102 765 948 67 445	3,799 197 80 39 781 1,130 422	4,291 146 -2 1 588 417 - 313	3,275 73 153 (Z) 1,158 300 (Z) 500	713 18 36 - 149 26 - 136
113 114 115 116 117 118 119	Netherlands Norway Portugal Spain Sweden United Kingdom Yugoslavia	-9 2 88 -1	-19 -11 1 131 -1 -52 100	-15 -12 (Z) 88 -1 242 133	-25 -9 9 157 -1 -43 94	-19 -1 3 89 (Z) 58 130	2 12 12 44 (Z) 102 97	10 15 5 21 -1 229 98	44 26 8 24 -4 398 80	102 41 20 17 27 118 120	224 61 18 (Z) 43 624 36	286 64 - 39 1,009	123 61 (Z) - 3 937	85 24 (Z) - 2,662 34	133 8 - (Z) 750 150	63 (Z) - - 1 34 115
120 121 122 123	Eastern Europe_ Czechoslovakia_ Poland_ U.S.S.R	61 - 66 -4	98 99 -	63 - 56 -	$ \begin{array}{c c} -3 \\ -\overline{6} \\ -\overline{6} \end{array} $	-1 2 -5 (Z)	7 1 -4 (Z)	-4 -4	(Z) -3	-15 (Z) -1 -13	(Z) (Z) (Z) -9	-13 -6 1 -8	13 3 19 -8	178 31 96 45	663 106 251 285	274 54 75 133
124 125 126 127 128 129 130 131	Near East and South Asia Afghanistan Ceylon Egypt Greece India Iran Iraq Israel	983 19 19 75 37 320 91 2 56	800 19 20 2 23 243 50 4 51	642 13 8 7 31 187 47 3 35	687 13 2 47 69 119 61 3	551 6 (Z) 27 74 118 64 3 46	302 4 - 3 47 29 65 2 62	362 4 (Z) 2 66 37 52 2 49	442 6 (Z) (Z) 123 94 11 (Z) 109	468 11 (Z) 1 189 108 4 (Z) 66	221 (Z) (Z) (Z) 108 1 4 (Z) 50	183 (Z) (Z) 4 108 (Z) 15 7	157 5 164 4 3 1	150 - (Z) 156 -3 -3 (Z)	182 	148
133 134 135 136 137 138 139	Jordan	60 10 3 142 1 111 27	57 28 6 145 12 122 16	20 4 2 100 21 141 23	5 5 2 154 -1 123 27	14 7 2 67 -1 97 23	7 4 1 12 (Z) 47 18	(Z) 91 (Z) 40 9	(Z)	(Z) (Z)	(Z) (Z) (Z) (Z) 39 20	(Z) (Z) (Z) -1 34 15	(Z) -3 10	(Z) - 5 9 -	- 2 - 10 -1 -	- - - 1 -

Series U 75-186. U. S. Government Foreign Grants and Credits, by Country: 1945 to 1970—Con. [In millions of dollars]

Series No.	Program and country	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945
140 141 142 143 144 145	Other grants, credits, and other assistance (through net accumulation of foreign currency claims) —Con. Africa	125 1 10 1 9 33	69 (Z) 6 1 8 18	44 1 7 (Z) 5 17	45 (Z) 3 (Z) 3 13	59 (Z) 4 (Z) 2	46 (Z) 1 - 2 4	40 1 1 (Z) -2	56 - 1 - 3 2	8 -1 -2 (Z)	9 - (Z) 4 (Z)	(Z) - 4	2 (Z) - 2	-87 (Z) 1 -3 -	(Z) (Z) - 4	(Z) 1 1
146 147 148 149 150	Morocco Nigeria South Africa Tunisia Zaire	45 1 -13 33 (Z)	26 (Z) -14 26 (Z)	18 (Z) -5 6 (Z)	(Z) 11 3 (Z)	$\begin{array}{c} -2 \\ (Z) \\ 21 \\ 1 \\ (Z) \end{array}$	(Z) (31 (Z) (Z)	-3 (Z) 35 (Z) -1	9 26 (Z) (Z)	(Z) (Z)	-1 (Z) (Z)	1 - - -	(Z)	-91 	1111	- - - -
151 152 153 154 155 156 157	Far East and Pacific Australia Burma Cambodia ⁸ China (Taiwan) Indonesia Japan Korea, Republic of	716 2 14 21 86 17 48 232	785 -2 3 37 84 24 -6 311	977 -2 18 32 98 51 47 373	1,004 -8 3 41 112 51 123 307	784 -1 (Z) 28 109 9 65 279	390 4 1 (Z) 89 23 7 169	397 1 5 - 90 17 -3 206	383 (Z) 7 - 80 34 36 155	506 (Z) 5 65 (Z) 241 118	608 -1 -1 18 36 226 102	902 -1 (Z) - 33 41 521 77	857 1 (Z) 151 20 372 134	914 (Z) 5 - 187 - 469 84	832 -11 - 315 62 367 33	178 10 - 121 4 2 1
159 160 161 162 163	Laos ⁸ Philippines Ryukyu Islands Thailand Trust Territory of the Pacific Islands Vietnam, South ⁸	35 24 3 48 5 177	30 42 5 30 6 218	38 39 5 33 5 236	52 28 2 39 5 229	37 21 2 16 5 203	(Z) 9 3 4 6 41	24 9 5 (Z)	10 29 4 5	13 38 5	200 26 (Z)	203 29 (Z)	131 46 1	150 19 (Z)	42 13 5	29 7 - 3
165 166 167 168 169 170 171 172 173	Western Hemisphere Argentina Bolivia Brazil Chile Colombia Costa Rica Dominican Republic Ecuador El Salvador	338 73 22 35 33 32 8 (Z) 2	568 48 22 145 47 92 10 (Z) 3	253 -6 25 16 32 19 9 (Z) 4 1	151 12 31 28 10 10 10 (Z) 8	102 -5 21 37 -1 2 5 1 6 1	68 -9 17 24 -3 2 2 (Z) 4 1	375 3 328 (Z) -5 2 (Z) 1	(Z)	114 92 7 4 -2 4 1 (Z) (Z)	64 (Z) 3 (Z) 33 6 (Z) (Z) (Z)	73 (Z) 3 5 28 3 (Z) (Z) (Z) (Z)	58 (Z) 2 9 18 4 (Z) -1 3 (Z)	1111 (Z) 9 30 6 2 (Z) (Z) (Z) (Z)	84 (Z) 6 28 5 1 2 (Z) (Z)	10 (Z) (Z) 2 2 1 1 (Z) 2 1
175 176 177 178 179 180 181 182 183 184 185	Guatemala Haiti Honduras Jamaica Mexico Nicaragua Panama Paraguay Peru Uruguay Venezuela	9 13 6 -3 14 4 6 7 52 13 -3	12 5 5 7 8 7 4 60 -1 7	23 4 3 -1 23 3 5 8 53 4 -1	20 9 2 (Z) -8 2 3 5 24 (Z) -3	11 14 2 (Z) -10 2 3 1 13 2 (Z)	(Z) 10 1 -3 27 1 -1 1 2 (Z) -3	(Z) 3 1 -1 18 1 1 1 (Z) (Z) (Z)	1 1 1 5 29 1 3 1 7 2	(Z) (Z) (Z) (Z) (Z) (Z) 1 -1 1 (Z)	(Z) (Z) (4 19 (Z) (Z) 1 (Z) (Z) (Z)	(Z) (Z) (Z) (Z) (Z) (Z) (Z) (Z)	(Z) (Z) (Z) (Z) (Z) (Z) (Z) (Z) (Z) 2	(Z) 1 58 (Z) (Z) (Z) (Z) (Z) 1	(Z) (Z) (Z) (Z) 35 2 (Z) 1 1 1 (Z)	(Z) (Z) (Z) (Z) (Z) (Z) (Z) (Z) (Z) (Z)
186	Other international organizations and unspecified areas	108	80	105	82	51	41	40	42	37	93	108	119	108	283	53

Represents zero.

Z Less than \$500,000 or net minus (-) of less than \$500,000.

Beginning 1964, Department of Defense transactions estimated.

Asian Development Bank, Inter-American Development Bank, International Bank for Reconstruction and Development, International Development Association, and International Finance Corporation.

Net new grants not adjusted for settlements for postwar relief and other grants under agreements, and net new credits exclude prior grants converted into credits, which were as follows: July 1945-December 1955, \$2,198 million; 1956-66, \$491 million. Repayments on these settlements included in net new credits.

Developed countries include Australia, Canada, Japan, New Zealand, Republic of South Africa, and countries of Eastern and Western Europe except Spain, Yugoslavia, and Malta. Developing countries include all other countries.

⁵ Outstanding credits on Dec. 31, 1970, totaled \$27,568 million representing net credits extended since organization of Export-Import Bank, Feb. 12, 1934, less charge-offs, and net adjustments due to exchange rates (\$989 million), and excluding World War I debts. The amount repayable in dollars at U.S. Government option was \$20,131 million; the remainder was repayable in foreign currencies, commodities, or services, at the option of the borrowers.

⁶ Equivalent value of currencies still available to be used, including some funds advanced from foreign governments and after loss by exchange rate fluctuations (\$1,334 billion), was \$1,446 billion on December 31, 1970.

⁷ United Nations Relief and Works Agency for Palestine refugees.

⁸ Separate data became available during 1954. For earlier periods, data shown as Indochina.

Foreign Commerce (Series U 187-352)

U 187-352. General note.

Statistics on foreign trade of the United States are among the most useful, revealing, and, in spite of their deficiencies, reliable series relating to the growth of the American economy. This situation is especially true for the first 100 years of the Republic. The United States was more heavily dependent upon foreign markets and sources at that time than it has been in the 20th century. For a fuller discussion of the usefulness of such data, see G. G. Huebner's review of foreign trade of the United States in Emory Johnson, History of Domestic and Foreign Commerce of the United States, Carnegie Institution, Washington, D.C., 1915. This study has an excellent bibliography of material on foreign trade available at that time.

Since the first appearance of the Statistical Abstract of the United States in 1878, official time series on foreign trade have been presented in that publication and it is, therefore, cited here as a primary source for certain of the foreign trade data shown.

Foreign trade data are subject to a variety of special statistical problems relating to compilation, publication, coverage, valuation, and classification as to composition and direction. The record of gold movements, in particular, has been found to be subject to considerable error owing to its peculiar qualities which make it both a useful form of money and a likely candidate for smuggling (see R. G. D. Allen and J. Edward Ely, International Trade Statistics, John Wiley and Sons, New York, 1953; and Oskar Morgenstern, Validity of International Gold Movement Statistics, Special Paper in International Economics No. 2, International Finance Section, Princeton University Press, November 1955).

The first Congress of the United States provided for the compilation of statistics on foreign trade, and the Treasury Department, through its customhouses, began keeping a record of foreign trade beginning August 1, 1789. According to the Treasury Department, government records of the total values of our imports for 1790 to 1820 are fairly complete but do not show, except for a few years, the articles imported. They show, however, domestic exports by articles, but do not distinguish the values of merchandise from coin and bullion imported and exported, nor the value of the commerce with each country (see Statistical Tables Exhibiting the Commerce of the United States With European Countries From 1790–1890, Washington, D.C., 1893, p. vii).

Compared with currently compiled statistics, these earliest records left a great deal to be desired. J. Edward Ely, writing on the historical development of foreign trade statistics, observes that:

The United States may be said to have had an adequate set of import and export statistics only since about 1821. Prior to that time no information was compiled on the amount of imports of articles which were free of duty upon importation into the United States. No value figures were compiled on imports subject to specific rates of duty and the dollar value for imports subject to ad valorem rates of duty, although apparently accurate, was compiled only as a total with no information on how much of each commodity was imported. Existing figures on the total dollar value of imports during the years 1795 to 1801 were apparently estimated at the time by the Secretary of the Treasury, and the figures for 1790–1794 and from 1802–1820 were apparently estimated many years later. (Allen and Ely, cited above, p. 269.)

Douglass North observes that the 1789-1820 figures were "officially overhauled and published in the Report of the Secretary of the Treasury on Finances for 1835" (see North's "United States

Balance of Payments, 1790-1860," Studies in Income and Wealth, vol. 24. National Bureau of Economic Research, 1960). In employing the early records, North found a number of deficiencies, and users of figures for 1790-1820 should note his revised figures and consider the criticisms in the appendix to his paper. The adequacy of the early records, of course, depends upon the use made of them. Some of the earliest records were not published officially and scholars have had to depend on information from A View of the United States of America, published by Tench Coxe in 1794, giving official documents for 1790, 1791, and 1792; A Statistical Manual for the United States of America, by Samuel Blodget, Jr.; A Statistical View of Commerce of the United States of America, by Timothy Pitkin, New Haven, 1835 (reprinted by Johnson Reprint Corporation in 1967), presenting many tables obtained directly from the Treasury books; and Statistical Annals by Dr. Adam Seybert, covering the period 1789-1818, and giving statistics of population, commerce, public land, etc. Such data as were published annually for 1790-1820 were brought together later in U.S. Congress, American State Papers, Class 4, "Commerce and Navigation," two volumes, Gales and Seaton, Washington, D.C., 1832 (vol. I) and 1834 (vol. II).

In 1820, Congress passed a law to provide for obtaining accurate statements of the foreign commerce of the United States and, at the same time, established the Division of Commerce and Navigation in the office of the Register of the Treasury. It required collectors of customs to compile and transmit annual reports to that office showing the detailed trade with foreign countries and the navigation employed therein. Beginning with 1821, these reports were consolidated and published annually in Commerce and Navigation of the United States.

Foreign trade statistics published by the Federal Government after 1820 are regarded as superior to those for the earlier period but still subject to some deficiencies, notably with respect to valuation of imports. They also suffered in respect to coverage of overland exports (see North, cited above, app. II, and Allen and Ely, cited above, pp. 270-271).

The Civil War introduced two special difficulties. For the last three quarters of fiscal year ending June 30, 1861, certain ports of the Southern States failed to make reports, and it was necessary for the Treasury Department to introduce estimates of the exports of cotton by the Southern States during the war based on records of the main recipient countries in Europe (see Treasury Department, Statistics of the Foreign and Domestic Commerce of the United States, Washington, D.C., 1864, p. 39).

The second difficulty was introduced in 1862 when the United States abandoned the specie backing for its money. The dollar fluctuated against foreign currencies and gold with each reverse or success of the northern forces. While imports and reexports continued to be valued in specie (dollars of a fixed parity to gold), since these goods were initially expressed in foreign currencies, domestic exports were recorded in "mixed values" -- partly gold dollars and partly dollars of a fluctuating value—from 1862 until the resumption of specie payment in 1879. These deficiencies were recognized at the time both officially by the Director of the Bureau of Statistics (established in the Treasury Department in 1866) and by private observers (see, for example, Louis Blodgett's criticism and evaluation of U.S. foreign trade statistics in the early 1860's in The Commercial and Financial Strength of the United States as Shown in the Balances of Foreign Trade and the Increased Production of Staple Articles, King and Baird, Philadelphia, 1864). Treasury statisticians sought to adjust mixed currency values to specie values of total imports and

exports and some other broad aggregates. The adjustments, however, were not carried through completely to country and commodity detail, and only a limited number of domestic export series are available for 1862–1879 in terms of "specie values" while the domestic export figures for countries and individual commodities are only available in mixed currency values.

When Congress established the Bureau of Statistics in 1866, it also specified that the kinds, quantities, and values of all articles exported and imported should be distinctly set forth in the statistical accounts, by countries of destination or of shipment, and that the exports of articles produced or manufactured in the United States should be shown separately from the reexports of foreign articles imported into the United States. Prior to 1866, only annual statistics of the foreign commerce of the United States were published; since then, monthly statistics have also been published.

The first report of the Director of the Bureau of Statistics in 1867 contains several pointed criticisms of the previous statistics, and the subsequent annual reports of Foreign Commerce and Navigation emphasized the shortcomings of the figures presented, especially the difficulty which became important in the post-Civil War period of reporting on trade with Canada in the absence of any mandatory reporting requirement on the railroads (see, for example, the Annual Report of the Chief of the Bureau of Statistics on the Commerce and Navigation of the United States for the Fiscal Year Ended June 30, 1877. 1878, pp. xii-xiii, table showing "... the imports into Ontario, Quebec, and Manitoba, from the United States in excess of the domestic exports from the United States to Canada, as returned to the Bureau of Statistics by U.S. collectors of customs during the fiscal year ended June 30, 1877,"). An act of March 3, 1893, provided for obtaining information on exports by rail and apparently eliminated this deficiency in the subsequent figures, but prior to that time trade totals and figures on trade with Canada suffer lack of coverage in varving degrees.

For additional comments on foreign trade data for 1861–1900, see Matthew Simon, "Statistical Estimates of the Balance of International Payments and the International Capital Movements of the United States, 1861–1900," Studies in Income and Wealth, vol. 24, National Bureau of Economic Research, 1960.

In 1923, the function of compiling foreign trade statistics was transferred to the Department of Commerce; however, the release and publication of the annual figures had been done by that Department since 1903. In 1941, the function was transferred from the Bureau of Foreign and Domestic Commerce to the Bureau of the Census.

A problem affecting comparability of value statistics arose between January 31, 1934, and March 10, 1953, when the foreign exchange value of the dollar was permitted to depreciate as a result of the restriction placed on gold shipments to foreign countries. For this period, unless otherwise noted, values stated are in U.S. dollars without reference to changes in the gold content of the dollar.

World War II and the special foreign aid programs following it introduced new complications into the handling of U.S. foreign trade statistics. Lend-lease during the war, surplus property disposal immediately after the war, War Department shipments to relieve disease and unrest, economic and military aid, and security shipments have all complicated the presentation as will be noted below.

Import data compiled by the Department of Commerce are from import entries (various Customs forms) which importers are required to file with customs officials for each shipment arriving. Import values are, in general, based on market or selling price and are f.o.b. the exporting country. Values do not include import duties. The country of origin is defined as the country in which the merchandise was grown, mined, or manufactured. If the importer cannot obtain the information as to the country of origin, the merchandise is credited (for statistical purposes) to the country of shipment.

Imports are classified either as general imports or imports for

consumption. General imports represent total arrivals of imported goods (except for intransit shipments), that is, merchandise released from Customs custody immediately upon arrival plus merchandise entered into a customs-bonded storage, manufacturing, or refining warehouse immediately upon arrival. Imports for consumption comprise merchandise entered into the U.S. consumption channels, that is, merchandise released from Customs custody immediately upon arrival, merchandise entered into a customs-bonded manufacturing warehouse (other than smelting or refining warehouse), merchandise withdrawn from a customs-bonded storage warehouse for release into domestic consumption channels, and imported ores and crude metals which have been processed in a customs-bonded smelting warehouse and then withdrawn for consumption and export.

During past periods, data for some low-valued imports have been fully compiled while data for others have been estimated. The following changes have occurred in the methods of compiling data on low-valued imports: Effective January 1954-1957, imports valued at \$250 or less, reported on formal consumption and informal entries, were estimated from a 5-percent sample. From January 1958-June 1965, formal entries valued under \$100 and informal entries valued \$250 or less, were estimated from a 1-percent sample. Effective July 1965, all formal and informal entries valued \$250 and under have been estimated from a 1-percent sample except a 5-percent sample, in effect every 3 years, was used to estimate data for 1967 and 1970. The estimated import values are excluded from detailed commodity statistics but are included in the over-all totals and are distributed in the appropriate country, district, and economic class totals, and in the totals for groupings of commodity classifications (i.e., commodity group or subgroup). The total value so excluded generally amounts to about 1 percent of the annual import total. Some indication of the undercounting in the detailed commodity statistics for imports is presented in the appendixes to the annual issues, from 1954-1965, of Bureau of the Census, Report FT 110, United States Imports of Merchandise for Consumption, and beginning 1967, Bureau of the Census, Report FT 135, Imports, Commodity by Country. Explanations of the sampling procedures are given in Report FT 110 for 1956; monthly issues of Report FT 135, Foreign Commerce and Navigation of the United States, 1965; and annual issues of Guide to Foreign Trade Statistics.

Export data are from Shippers' Export Declarations which exporters are required to file with customs officials for each shipment leaving the United States. Export data include shipments made after World War II under the Department of the Army Civilian Supply Program only for 1948 and subsequent years. In addition, export data include United States exports under the Lend-Lease, United Nations Relief and Rehabilitation Administration, Economic Cooperation Administration, Mutual Defense Assistance, and other mutual security programs. Shipments to U.S. Armed Forces for their own use are not included in export statistics for any period.

Export value figures are based on the selling price (or on the cost, if not sold) of the commodity shipped and include inland freight, insurance, and other charges to the U.S. place of export. Transportation and other costs beyond the United States port of exportation are excluded. The country of destination is defined as the country of ultimate destination or country where the merchandise is to be consumed, further processed, or manufactured. In the event the exporter does not have definite information as to the country of ultimate destination for a shipment, it is credited (for statistical purposes) to the country to which it is consigned.

Certain export commodity classifications were grouped for security reasons into special categories beginning with May 1949, with periodic amendments to include additional commodities. With the adoption of new security regulations, effective July 1950, the publication of the country of destination and customs district detail for the special category commodities and groups was discontinued. Effective January 1965, some changes were made in the security restrictions primarily because of revisions in export commodity classifications. Permission was granted to release data on exports of some commodities

which were previously classified as special category commodities with the result that security restrictions were applied to considerably fewer commodities than before. In addition, permission was granted to release some commodity data for 1964 and prior years, which was withheld when statistics for those years were initially released. Data for special category commodities are included, however, in all total export statistics, series U 187, U 190, U 191, U 213, U 225, U 226, and U 317; in the category of finished manufactures, series U 218, U 235, and U 236; and in the commodity categories of series U 274–294 (except automobiles and parts, series U 287, from which machinery and vehicles manufactured to military specifications have been excluded beginning in July 1949).

Shipments individually valued, prior to October 1969, at less than \$100 and, thereafter, at \$250 and under, are not classified by commodity, but are reported in a single separate category. Effective with the statistics for July 1953 and continuing through December 1955, data for export shipments individually valued from \$100 to \$499 (about 4 to 6 percent of the total export value) were estimated on the basis of a 10-percent sample. From January through June 1956, the 10-percent sample was applied to shipments individually valued from \$100 to \$999 but, subsequently, the level was reduced to the previous level of \$499. From July 1956-December 1959. shipments valued \$100-\$499 were based on a 10-percent sample; from January 1960-December 1962, on a 10-percent sample for Canada and a 50-percent sample for other countries. From January 1963-September 1969, shipments to Canada valued \$100-\$1,999 were based on a 10-percent sample; shipments to other countries valued \$100-\$499 were based on a 50-percent sample. From October 1969-December 1969, shipments to Canada valued \$251-\$1,999 were based on a 10-percent sample; shipments to other countries valued \$251-\$499, on a 50-percent sample; from January 1970-August 1970, shipments to other countries valued \$251-\$499 were fully compiled. For Canadian shipments valued \$251-\$1,999, sampling procedures were applied. Effective September 1970, shipments to Canada valued \$251-\$1,999 were based on a 10-percent sample; shipments to other countries valued \$251-\$499 on a 50-percent sample. Value data for shipments less than \$100, prior to October 1969, and less than \$251 thereafter, were estimated each month from factors established by observation of the percentage relationship of the under-\$251 (under \$100 prior to October 1969) shipments to the individual country totals in past periods. Details concerning sampling error and procedures are given in the Bureau of the Census, Quarterly Summary of Foreign Commerce of the United States, January-December 1956; Foreign Commerce and Navigation of the United States, 1965; monthly issues of Report FT 410, Exports, Schedule B Commodity by Country; and annual issues of Guide to Foreign Trade Statistics.

The geographic area covered by these statistics, except as noted, is the United States customs area, which includes Alaska, Hawaii, and Puerto Rico, and for 1935–1939, the Virgin Islands.

U 187-189. Total merchandise, gold, and silver exports and imports, 1821-1970.

Source: 1821–1880, except as noted, U.S. Bureau of Foreign and Domestic Commerce, Foreign Commerce and Navigation of the United States, 1912, pp. 43–44 (1821, series U 187 and U 189, revised estimates prepared by the U.S. Bureau of the Census); U.S. Bureau of the Census, 1881–1903, Statistical Abstract of the United States, 1924 edition, pp. 420, 421; 1904–1941, 1948 edition, pp. 903; 1942–1949 (except series U 187 for 1948 and 1949), 1951 edition, pp. 828; 1950–1957, 1958 edition, pp. 880; 1958–1967, various editions; and 1968–1970, unpublished data. Series U 187, 1948 and 1949, 1953 edition, pp. 899.

U 190-196. Merchandise exports and imports, 1790-1970.

Source: Series U 190-192 and U 196, U.S. Bureau of Foreign and Domestic Commerce, 1790, Foreign Commerce and Navigation of the

United States, 1912, p. 43. U.S. Department of the Treasury, Bureau of Statistics, 1791-1880, Monthly Summary of Imports and Exports of the United States for the Fiscal Year, 1896, pp. 622-623 (except 1821, series U 190, U 192, and U 196, revised estimates prepared by Bureau of the Census). U.S. Bureau of the Census, Statistical Abstract of the United States, 1924 edition, pp. 420, 421, and 424; 1904-1941, 1948 edition, pp. 902-903; 1942-1946, Summary of Foreign Commerce of the United States, various annual issues; 1947-1965, Foreign Commerce and Navigation of the United States, 1964 and 1965: 1966-1970, Highlights of Exports and Imports, FT 990, December 1972, pp. 37 and 79. Series U 193-195, U.S. Bureau of Foreign and Domestic Commerce, 1821-1880, Foreign Commerce and Navigation of the United States, 1912, p. 50; 1881-1915, Foreign Commerce and Navigation of the United States, 1924, p. lxvii. U.S. Bureau of the Census, 1916-1941, Statistical Abstract of the United States, 1948 edition, p. 939; 1942-1946, 1951 edition, p. 854; 1947-1965, Foreign Commerce and Navigation of the United States, 1964 and 1965; 1966-1970, Statistical Abstract, 1972 edition, p. 788.

Merchandise export statistics include data on all shipments of commodities and merchandise leaving the United States customs area except: (1) Gold and silver (prior to 1968) and evidences of debt; (2) intransit merchandise; (3) bunker fuel, stores, supplies, and equipment for vessels and planes; (4) temporary exports; (5) merchandise having small value or no commercial value; (6) shipments of military and naval supplies and equipment to the U.S. Armed Forces; and (7) shipments of office equipment and related items to U.S. Government agencies or establishments.

Exports of U.S. merchandise, series U 191, consist of commodities grown, produced, or manufactured in the United States, and commodities of foreign origin which have been changed in the United States from the form in which they were imported, or which have been enhanced in value by further manufacture in the United States.

Reexports, series U 192, comprise withdrawals from customsbonded storage warehouses for exportation and exports of foreign merchandise (principally duty-free articles) which have previously been formally entered through customs. Exports of foreign merchandise consist of commodities of foreign origin which have entered the United States as imports and which, at the time of exportation, are in the same condition as when imported.

Merchandise import statistics include data on all commodities and merchandise reaching the United States except: (1) Merchandise not entering the U.S. customs area, such as articles excluded from the United States by law; (2) bunker fuel, and ships' stores; (3) intransit merchandise; (4) certain domestic merchandise returned from foreign countries; (5) gold and silver (prior to 1968) and evidences of debt; (6) merchandise having small value or no commercial value; and (7) commodities entered under special provisions, such as articles consigned to diplomatic officers. General imports, series U 193, consist of entries for immediate consumption and entries into bonded warehouses, and therefore comprise the total arrivals of merchandise, whether they enter consumption channels immediately or are entered into warehouses under customs custody to be subsequently withdrawn for consumption or withdrawn for exportation. Imports for consumption are the total of the entries for immediate consumption and the withdrawals from warehouse for consumption. The terms 'entered for immediate consumption" and "withdrawn from warehouse for consumption" are taken from the language used in handling the transactions through customs, and are sometimes misleading in their implication that the merchandise is immediately assimilated by being processed, merchandised, or consumed. Although all customs barriers to such assimilation have been removed, merchandise for "immediate consumption" may, in fact, be warehoused by the importer outside of customs custody. In the case of withdrawal for "consumption," although duties have been paid and the goods released from customs control, they may remain in storage for a further period of time. Any of this "for consumption" merchandise could conceivably be exported subsequent to its release from customs custody and thus never enter actual U.S. consumption channels.

U 197-200. Gold and silver exports and imports, 1821-1970.

Source: U.S. Bureau of Foreign and Domestic Commerce, 1821–1864, Foreign Commerce and Navigation of the United States, 1912, p. 43. U.S. Department of the Treasury, 1865–1880, Statistical Abstract, 1887, pp. 41, 42. U.S. Bureau of the Census, 1881–1941, see source for series U 187–189 above; 1942–1946, Summary of Foreign Commerce of the United States, various annual issues; 1947–1965, Foreign Commerce and Navigation of the United States, 1964 and 1965; 1966–1970, U.S. Foreign Trade, Gold Movements, FT 2402, December issues.

Prior to 1895, figures for gold and silver relate to coin and bullion only; subsequently, they include ore also. Domestic exports of gold and silver cannot be separately stated prior to 1864, but it is probable that the greater portion of the exports was gold. In the series shown here, the data on exports of gold prior to 1864 include domestic exports of silver. The exports of silver for years prior to 1864, therefore, consist of only foreign exports or reexports.

U 201–206. Foreign trade related to various measures of production, 1869–1970.

Source: Series U 201-202, 1869-1939, computed as the ratios respectively of series U 190 and U 193 to gross national product (using series F 1 for all years except 1909-1918; for these years, the estimates of gross national product are from U.S. Senate, 79th Congress, 1st session, "Report to the Committee on Banking and Currency." Basic Facts on Employment and Production, Senate Committee Print No. 4); 1940-1957, U.S. Bureau of Foreign Commerce, Exports in Relation to United States Production, 1957, p. 2; 1958-1962, U.S. Bureau of International Commerce, Exports in Relation to U.S. Production, 1962, Overseas Business Reports No. 63-118, p. 2; 1963-1970, ratios computed from foreign trade data, as published by BIC in U.S. Foreign Trade Annual, 1966-1972, Overseas Business Reports No. 73-12, p. 2, and gross national product data as published by U.S. Bureau of Economic Analysis in Survey of Current Business, July 1973, p. 52. Series U 203-204, 1919-1927, 1931, and 1935, U.S. Bureau of Foreign Commerce, World Trade Information Service Statistical Reports, part 3, No. 58-22; 1929, 1933, and 1937-1962, see source for series U 201-202, 1940-1957 and 1958-1962; 1963-1970, value of production corresponds to aggregate for agricultural production (U.S. Department of Agriculture, Farm Income Situation, No. 222, July 1973, table 29, and U.S. Bureau of Economic Analysis, Survey of Current Business, July 1973, p. 24), manufacturing (U.S. Bureau of the Census, Annual Survey of Manufactures, 1971, No. M71 (AS), p. 3), mineral production (U.S. Department of the Interior, Statistical Summary-Minerals Yearbook, 1972), and freight receipts (U.S. Interstate Commerce Commission, Annual Report on Transport Statistics of the United States). Series U 205, 1910-1950, U.S. Foreign Agricultural Service, United States Farm Products in Foreign Trade, Statistical Bulletin No. 112, p. 10; 1951-1955, The Problem of Maintaining High Level Agricultural Exports, November 1957, p. 13; 1956-1970, U.S. Bureau of Economic Analysis, 1971 Business Statistics, biennial supplement to Survey of Current Business, p. 111, and U.S. Department of Agriculture, Economic Research Service, Agricultural Statistics, 1972, p. 562. Series U 206, Don D. Humphrey, American Imports, © 1955 by the Twentieth Century Fund, New York, pp. 527-528.

For additional data on the relation of foreign trade to the domestic economy, see the following: Bureau of International Commerce, Overseas Business Reports: Contribution of Imports to United States Raw Material Supplies, No. 63-8; and Contribution of Imports to U.S. Food Supplies, No. 63-51. Also see Bureau of the Census, U.S. Commodity Exports and Imports as Related to Output, 1970 and 1969.

U 207-212. Value of merchandise imports and duties, 1821-1970.

Source: See source for series U 193-195.

Imports are "imports for consumption" consisting of entries for

immediate consumption and withdrawals from warehouses for consumption. The term "entry for consumption" is the technical name of the import entry made at the customhouse, and implies that the goods have been delivered into the custody of the importer and that the duties have been paid on the dutiable portion. Some of them may be exported afterwards.

For 1821-1866, the figures for import values, series U 207-209, represent net general imports (total imports less reexports), the amount of duty collected (calculated) being the annual amounts collected on merchandise only. For 1867-1970, the figures of import values represent imports entered for consumption.

U 210, duties calculated. The series described here as "duties calculated" is the series identified in annual volumes of Foreign Commerce and Navigation . . ., through the 1925 issue, as "duties collected"; subsequent issues describe it as "duties calculated." In spite of its description, it was a computed figure at least back to 1876. The evidence indicates that the earlier years, at least in part, were on a "duties collected" basis. This series should not be confused with the modern series called "duties collected" (not shown here) which represents the total amount of duties actually collected (on individual shipments) as reported to the Treasury Department by customs officials, subject in certain cases to subsequent refund as well as drawback. In contrast, "duties calculated" is a statistical measure derived by applying the appropriate rates to totals for all imports of the given commodity received at all ports of entry; it does not reflect drawbacks or refunds and is subject to some time lag in reporting.

U 211-212, ratio of duties to total. The calculated ratio of duties to total is simply the relationship of series U 210 to series U 207 and series U 209, respectively, expressed in percentage form. Series U 211-212 are similar to, but not identical with, the series described as "ratios of duties to total" shown in annual issues of Foreign Commerce and Navigation . . ., 1925 to 1946, and as "average ad valorem rates" in earlier issues. These series have been computed as shown here because of conflicts in source volumes with respect to early years.

U 213-224. Value of merchandise exports and imports, by economic class, 1820-1970.

Source: U.S. Bureau of the Census. 1820–1918, Statistical Abstract of the United States, 1820–1881, 1907 edition, pp. 698–701; 1882–1903, 1926 edition, pp. 448, 449; 1904–1918, 1947 edition, pp. 896, 897. 1919–1970, Indexes of U.S. Exports and Imports by Economic Class: 1919 to 1971, tables 1 and 5.

For definition of terms, see text for series U 190-196, U 207-212, and U 225-248.

The economic classes shown here are broad categories based on groupings of more than 2,000 individual commodities listed in Schedule B: Statistical Classification of Domestic and Foreign Commodities Exported From the United States, issued and kept current by the Bureau of the Census. Following are some of the important and typical commodities included in each of the economic classes:

Class	Exports	Imports
Crude materials		Crude rubber
	Coal	Raw silk
Crude foodstuffs	Raw cotton Grains	Hides and skins Coffee
	Fruits	Tea
Manufactured foodstuffs	Vegetables _Meat	Fruits Sugar
	Lard Prepared fruits	Meat Wheat flour
Semimanufactures	_Iron and steel plates	Wood pulp
Thin take 1 are seen for the seen	Lumber Refined copper	Copper in bars, etc. Tin in bars, etc.
Finished manufactures	Cigarettes	Wool manufactures Newsprint
	Radios and television sets	Automobiles and parts

In a report on Exports of Manufactures From the United States and Their Distribution by Articles and Countries, 1800-1906 (1907), the Department of Commerce and Labor presented trade figures by economic classes annually back to 1850 and for selected years back to

This study provided a different grouping of commodities than the Bureau of Statistics of the Treasury Department had previously employed for exports. In "Exports of Domestic Manufactures and Their Distribution" (Monthly Summary of Commerce and Finance of the United States, April 1903, p. 3239 ff.) the Treasury tabulated domestic exports for 1800-1850 by decade years and for 1851-1902 annually according to economic sector ("sources of production") as follows (p. 3249): Agriculture, manufactures, mining, forest, fisheries, and miscellaneous. But it tabulated imports "according to degree of manufacture and uses" for 1821, 1830, 1840, 1850, and 1851-1902 as follows (p. 3279-3280): Food and live animals, crude articles for domestic industries, articles manufactured wholly or partially for use as material in the mechanic arts, articles manufactured ready for consumption, and articles of voluntary use, luxuries, etc. This report noted that values for exports were in fluctuating currency for 1862-1879 and for those years gave specie values both for total exports and for exports of manufactures (p. 3315).

Trade in agricultural and forest products have been of special concern to the Department of Agriculture. Bulletin No. 51 of the Bureau of Statistics of the Department of Agriculture (1909) provides the "only compilation...ever to be completed (to that time)" of the "Foreign Trade of the United States in Forest Products, 1851–1908." Bulletins No. 74 and 75 in the same series, published in 1910, reviewed the "Imports of Farm Products Into the United States, 1851–1908" and "Exports of Farm Products From the United States, 1851–1908," respectively.

U 225-248. Indexes of quantity and unit value of exports and imports, by economic class, 1879-1970.

Source: 1879-1921 (1913=100 base), Robert E. Lipsey, Price and Quantity Trends in the Foreign Trade of the United States, Princeton University Press for the National Bureau of Economic Research, 1963 (copyright); U.S. Bureau of International Commerce, 1913 (1967 = 100 base), unpublished data; 1919-1970 (1967 = 100 base), Indexes of U.S. Exports and Imports by Economic Class: 1919-1971.

The Bureau of International Commerce indexes are computed by the Fisher formula, chained annually so that weights are taken from the given and preceding years. Commodities not directly entering into the calculations are taken into account in the weighting within the economic classes on the basis of certain assumptions regarding similarity of their price movements to price changes of commodities specifically covered.

The National Bureau of Economic Research indexes for the years 1879–1921 also used the Fisher formula linked from four time segments, within each of which weights are taken from the given year and the latest year of the segment. The National Bureau supplemented the U.S. foreign trade data with price information from other sources.

Descriptions of methods used for the two sets of indexes are available in the sources.

All commodities in U.S. export and import trade have been grouped into one of five economic classes as follows: (1) Crude foods—products for edible use (by man or animals) which have not been substantially processed after sale by the farmer, fisherman, rancher, or other primary producer; (2) manufactured foods—processed forms of crude foods, edible and refined oils, and oilcake and meal; (3) crude materials—products of farms, forests, fisheries, and mines which are for nonfood use and which are unprocessed by manufacturing; (4) semimanufactures—manufactured materials in the early stages of processing; and (5) finished manufactures—highly processed bulk materials and products manufactured from semimanufactures or other finished products.

U 249-263. Value of exports and imports, by broad end-use class, 1923-1970.

Source: 1923-1967 (excluding World War II years), U.S. Office of Business Economics, U.S. Exports and Imports Classified by OBE End-Use Commodity Categories, 1923-1968, tables 1 and 2; 1968-1970, U.S. Bureau of Economic Analysis (formerly Office of Business Economics), Survey of Current Business, March issues.

The Bureau of Economic Analysis (BEA), (formerly Office of Business Economics (OBE)) end-use series presented in series U 249–263 are constructed from basic data provided by the Bureau of the Census, which has primary responsibility for compiling the official statistics of U.S. merchandise exports and imports. The Census Bureau currently collects foreign trade data on the basis of some 14,000 individual commodity numbers which are contained in its commodity classification schedules: almost 4,000 in Schedule B, for exports; over 10,000 in the Tariff Schedules of the United States Annotated (TSUSA), for imports.

BEA's-OBE's end-use categories are constructed by assigning each of these 14,000 basic "building blocks" to one of 228 basic end-use commodity groupings—116 for exports and 112 for imports—each of which is identified by a 4-digit code number. These 4-digit commodity groupings aggregate into broader intermediate groupings, identified by 3-digit and 2-digit codes. The intermediate groupings, in turn, combine at the broadest level into the principal 1-digit end-use categories—7 for exports, 6 for imports, as shown in series U 249-263.

BEA's-OBE's classification scheme was designed to fill a gap in the presentation of foreign trade statistics by regrouping commodity exports and imports as compiled by the Bureau of the Census into new, broad commodity categories based on a concept of end-use demand. The data have customarily been classified in terms of the physical nature of commodities and their stage of processing, or in terms of the principal industries producing the commodities. The end-use classification is associated with the principal sectors of the economy using or consuming the commodities.

It should be noted that inasmuch as the BEA-OBE end-use categories are constructed from the Census Bureau's Schedule B (export) and TSUSA (import) classifications, the validity of the assignments of individual commodities to end-use categories is subject to the limitations of the census classifications systems. The 14,000 basic "individual" commodities classified in Schedule B and TSUSA very frequently represent not a single commodity but rather a number of different items not separately classified. These items are related by their material content or general function, but not necessarily by their end-use. This is especially true of "basket" classifications. For example, "rubber products, n.e.s." may include erasers and soap dishes for consumer use, as well as rubber flanges, rings, and valves for industrial use. In cases of this kind, the products deemed to comprise most of the value of the "basket" commodity-based on advice of foreign trade commodity specialists-determine the enduse assignment it will receive. In another case, the commodity "ball bearings" is a machinery part that has been assigned to the export end-use category "Capital goods, except automotive" even though it includes ball bearings for autos and trucks which would be assigned, if they were separately identifiable, to the end-use category "Automotive vehicles, parts, and engines."

U 250 and U 258, foods, feeds, and beverages. This category is comprised of food for human consumption and animal feeds, and includes edible animals. It excludes work animals and animals for breeding, which are included in "Materials associated with nondurable goods and farm output," a grouping within the industrial supplies and materials category. Tobacco is not included in the foods category: cigarettes, etc., are in the consumer goods (nonfood) category, while unmanufactured tobacco is considered to be an industrial material (used in the manufacture of cigarettes and other tobacco products). A distinction is made in the foods category between agricultural and nonagricultural commodities in exports, but not in imports. This category, unlike the other principal end-use categories, does not distinguish between manufactured and unmanufactured commodity classes in either exports or imports.

U 251 and U 259, industrial supplies and materials. This category encompasses crude and processed materials and supplies primarily associated with, or used in, the producing sectors of the economy—

manufacturing, farming, and construction. Both the export and import sides are set up so as to separate manufactured from unmanufactured goods. Agricultural and nonagricultural aggregates can be obtained for exports but not for imports.

The industrial supplies and materials end-use category is subdivided on the import side into five major intermediate groupings as follows: (1) Fuels and lubricants; (2) paper and paper base stocks; (3) materials associated with nondurable goods and farm output; (4) selected building materials, except metals; (5) materials associated with durable goods output. These aggregates were established in order to facilitate analysis of the relationships between domestic economic conditions and imports of industrial supplies and materials. For example, shifts in imports of materials associated with durable goods output can be examined for their relationship to changes in the Federal Reserve Board's production index of durable manufactures, and imports of selected building materials can be related to domestic construction and housing indicators.

On the export side, the industrial supplies and materials category is broken down between agricultural and nonagricultural goods; intermediate groupings similar to (3), (4), and (5), listed above, are not constructed.

(1) Fuels and lubricants—comprised of coal, oil, and gas. This grouping excludes petrochemicals, which are included with chemicals in another grouping within the industrial supplies and materials category. Although fuels and lubricants are partly associated with consumer goods as well as industrial supplies, it was not considered feasible to try to distinguish between fuel for home heating, for example, and fuel for industrial heating and energy.

Fuels and lubricants have been established as an independent major subcomponent of the industrial supplies and materials category on both the export and import sides because of their magnitude in our international trade, and because of the difficulty of associating them with the output of nondurable as distinguished from durable goods.

- (2) Paper and paper base stocks—consists of pulpwood, woodpulp, and scrap materials for making paper; also paper products, mainly newsprint, but including also kraft paper, paperboard, and similar products. Excluded are such paper products as stationery, which are allocated to the consumer goods end-use category. The predominance of newsprint imports in the paper grouping, and the unique nature of this product, led to the establishment of paper, like the fuels and lubricants grouping, as a separate major subcomponent of industrial supplies and materials for both exports and imports.
- (3) Materials associated with nondurable goods and farm output—consists of supplies and materials related to the manufacture of products considered to be nondurables. It includes such goods as crude and processed textiles, but not those manufactured into final products such as apparel and house-furnishings. The latter are in the consumer goods category. Also included are unmanufactured tobacco, chemicals (except medicinals), hides and skins, undressed furs, soap and perfumery ingredients, etc. Seeds, fertilizers, farm work animals and breeding animals, and eggs for hatching are included as materials associated with farm output. This grouping is constructed only for imports.
- (4) Selected building materials, except metals—consists of such major (nonmetal) building materials as lumber, plywood and veneers, stone, sand, cement, lime, glass (except automotive), asbestos, gypsum, millwork, molding, prefabricated structures, etc. Excludes metals used in building (steel beams, copper tubing, wire, pipe, latches and locks, etc.). This grouping is constructed only for imports.
- (5) Materials associated with durable goods output—consists of supplies and materials related to the manufacture of products defined to be durables. Includes primary metals and metal shapes, and fabricated metal manufactures for further assembly or incorporation in other goods (door hinges, latches, locks, and parts

and components not included elsewhere). This grouping is constructed only for imports.

It should be noted that the allocation of individual commodities to the various subcomponents outlined above is based on end-use demand and not on the nature of the commodities from a production (supply) viewpoint. To illustrate—imports of primary rubber, a "nondurable" commodity, is classified under "Materials associated with durable goods output" because its major end-use—as a tiremaking material—is associated with the production of such durable goods as motor vehicles (including tractors), and aircraft.

U 252 and U 260, capital goods, except automotive. This end-use category is designed to include all (nonmilitary) machinery, equipment, apparatus, and instruments—and their parts, components, accessories, and attachments. These products are associated with investment outlays for industrial and agricultural plant and equipment; for commercial, scientific, professional, and service-industry capital goods; and for natural resource development (petroleum and mining), and construction. Also included is transport equipment such as civilian aircraft and parts, railway rolling stock, and, for exports only, commercial cargo and passenger-carrying vessels. Automotive products are excluded from the capital goods end-use category as are other transportation items classifiable as consumer goods (yachts and other pleasure craft, motorcycles, etc.).

U 253 and U 261, automotive vehicles, parts, and engines. This category contains commodities that might have qualified for assignment to two other end-use categories; passenger cars and parts to consumer goods (nonfood), and trucks and buses and parts to capital goods. However, because it has not been possible to distinguish parts for passenger cars from parts for trucks and buses, and because of the overall magnitude and importance of U.S. automotive trade, a separate automotive category was established. There are groupings within the category for passenger cars, trucks and buses, and automotive parts and engines (including engine parts).

U 254 and U 262, consumer goods (nonfood), except automotive. Designed to cover products used by the final consumer, this category has been subdivided into durables and nondurables, as well as manufactured and unmanufactured. The overall category encompasses a broad variety of products including consumer-type transportation equipment other than automotive-pleasure craft, motorcycles, etc.-and furniture, rugs, appliances, radios and TV, clocks and watches, precious stones, and other durables; and apparel and household softgoods, leather, rubber and plastic articles, notions and toiletries; medicinal preparations, and other nondurables. In general, consumer goods have been classified as durables or nondurables on the basis of whether they are, respectively, hardgoods or softgoods. Rugs are an exception, being classified as durable goods because of their long life and relatively high cost, and because they can be characterized as consumer "capital goods" along with furniture and appliances. The consumer goods category consists predominantly of manufactured products, but also includes such unmanufactured items as gem stones, Christmas trees, nursery stock, and pet birds.

U 255, special category, domestic (military-type goods). This is an export category only. It includes military aircraft, engines, turbines, missiles and rockets, military trucks, warships, ordnance, and other military material classified confidential by the Department of Defense as to country of destination. (Prior to 1965, DOD classified many military items confidential as to their identity as well as their destination.) A few other military items currently of minor value, not classified as special category—military cars and buses—are included in the category "Exports not elsewhere classified."

Parts for aircraft (exports) are not separately identifiable from 1958 on as between military and civilian aircraft, and all aircraft parts have thus been included, with civilian aircraft, in the capital goods category.

Imports of military aircraft and parts are included in the category "Imports not elsewhere shown." Other military imports are either minimal in value or are unidentifiable, and are included, as appropriate, in other end-use categories.

U 256 and U 263, exports, n.e.c., and imports, n.e.s. This category includes transactions and commodities not elsewhere classified or shown. "Exports, n.e.c." includes reexports (exports of foreign merchandise imported into the United States and then reexported with no significant change in form or content), low-value shipments (commodity detail unavailable), a few military items not classified as special category, and special transactions such as goods imported for repair and exported. "Imports, n.e.s." includes low-value shipments, U.S. goods returned (after having been exported), U.S. Government purchases of uranium ores and oxides, and of military aircraft and parts; also includes movies, exhibits, and laboratory, zoo, and show animals, etc. (Exports of uranium, and non-Government imports of uranium, are included in the industrial supplies and materials category.)

U 264-273. Value of merchandise exports and imports, by groups of customs districts, 1860-1970.

Source: U.S. Bureau of the Census, 1860-1880, Statistical Abstract of the United States, 1923 edition, pp. 824-825; 1881-1903, 1924 edition, p. 441; 1904-1944, 1947 edition, p. 921; 1945-1970, unpublished data. Data are published for individual customs districts in Bureau of the Census, Foreign Commerce and Navigation of the United States and Highlights of Exports and Imports, FT 990.

The customs district in which merchandise is entered or withdrawn for consumption is the district shown in the "imports for consumption" statistics. The customs district shown in the "general imports" statistics is the district through which merchandise enters the United States either as an entry for immediate consumption or as an entry into a customs-bonded warehouse. Except for shipments by mail, vessels under their own power or afloat, and certain low-valued shipments, the customs district through which a shipment clears when it leaves the country is the district to which the export is credited statistically. Shipments are not credited on the basis of the district in which export shipments originate or to which import shipments are destined. For definition of terms, see text for series U 190–196 and U 207–212. Export figures for 1865 and 1870–1878 represent mixed gold and currency values and hence do not agree with the specie values given for total exports elsewhere.

U 274-316. General note.

The totals of the selected imports and exports, series U 274 and U 295, are shown to provide a means of judging the extent to which the selected items account for the total trade of this country. They include only the values of the items shown for each year and are, therefore, a total with a variable composition. Additional information on the composition of the foreign trade of the United States may be found in M. B. Hammond, The Cotton Industry, American Economic Association Series 2, No. 1, New York, 1897, and in reports by the U.S. Department of Treasury, Bureau of Statistics, on the grain, provision, cotton, coal, iron and steel, and lumber trades of the United States which appeared in the Monthly Summary of Commerce and Finance (hereafter abbreviated as MSCF) for 1899–1900, 1900–1901, and 1902–1903.

Export commodity information is compiled in accordance with the classifications in Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported From the United States. For earlier years Schedule B, Statistical Classification of Domestic Commodities Exported From the United States, and Schedule F, Statistical Classification of Foreign Commodities Exported From the United States, were used. Export commodity information has been compiled in accordance with the Schedule B classifications in effect during those years. Commodities were classified according to physical characteristics or use. These groupings were made on the basis of the materials of which articles were made, the use for which they were intended, and the extent of their refinement or manufacture. In 1965, a revised edition of Schedule B based on the Standard International Trade Classification, Revised (SITC), was put in effect. The 1965 edition was developed with the primary

objective of instituting a classification system providing for those detailed characteristics which permit comparison of the U.S. export statistics with foreign trade statistics of other countries reporting in terms of SITC, as well as data on domestic production. The statistics shown for 1960–1964, which were initially compiled in accordance with the Schedule B classifications in effect during those years, have been recompiled in terms of SITC classifications. It should be noted that some difficulties were encountered in relating the Schedule B classifications to the SITC and, because of differences between these two classification systems, it was necessary to assign some Schedule B numbers to SITC groups on the basis of judgment. Therefore, comparisons of 1960–1970 data for SITC groups with corresponding data for prior periods should be made with caution.

For periods prior to 1963, import commodity information was compiled in terms of the commodity classifications contained in Schedule A, Statistical Classifications of Commodities Imported Into the United States. Effective with the statistics for 1963, import data are compiled in accordance with the classifications in the Tariff Schedules of the United States Annotated (TSUSA), an official publication of the U.S. Tariff Commission embracing the legal text of the Tariff Schedules of the United States (enacted into law by the Tariff Classification Act of 1962) together with statistical annotations.

Effective with the statistics for 1964, a revised Schedule A classification system was established, based on the Standard International Trade Classification, Revised (SITC). This edition of Schedule A was constructed (1) to provide for the summarization of data for the approximately 10,000 TSUSA classifications into about 2,300 commodity groupings that are meaningful in terms of commodities important in the U.S. import trade and (2) to provide data in terms of the SITC outline that are comparable, insofar as comparison is possible, to the foreign trade statistics compiled by other trading nations.

As with export commodity statistics, difficulties were encountered in relating Schedule A classifications to TSUSA and SITC classifications; therefore, comparisons between 1963–1970 data and prior periods should be made with caution.

U 274. Exports, total selected commodities, value, 1802-1970.

Source: See general note for series U 274-316.

U 275-276. Cotton, unmanufactured, exports, quantity and value, 1791-1970.

Source: 1791-1889, U.S. Department of the Treasury, Bureau of Statistics, MSCF, 1895-6, p. 290; 1890-1897, MSCF, March 1900, p. 2561; 1898-1940, following editions of the Statistical Abstract of the United States:

Period.	Edition	Page
1898-1905	1907	417-477
1906-1915	1916	392-438
1916-1919	1920	435-511
1920-1922		448-536
1923-1925	1928	480-552
1926-1929	1931	528-609
1930-1932	1934	440-521
1933-1935		467-554
1936-1940	1942	575-669

1941-1962, U.S. Bureau of the Census, Summary of Foreign Commerce, various issues. 1960-1970 (SITC), U.S. Bureau of the Census, U.S. Foreign Trade—Highlights of Exports and Imports, FT 990, December issues; and unpublished data.

U 277-278. Leaf tobacco, unmanufactured, exports, quantity and value, 1790-1970.

Source: 1790-1894, U.S. Department of the Treasury, Bureau of Statistics, *MSCF*, June 1895, pp. 1418-1421; 1898-1970, see source for series U 275-276.

U 279-280. Wheat exports, quantity and value, 1790-1970.

Source: 1790-1897, see source for series U 277-278; 1898-1970, see source for series U 275-276.

U 281-294. Value of exports of selected U.S. merchandise, 1810-1970.

Source: 1810-1961, the following editions of the Statistical Abstract of the United States except as noted below for series U 287 and U 294:

Period	Edition	Page
1810-1881	1924	446-447
1882-1904 (1882-1907 for imports)	1926	470-473
1905-1945 (1908-1945 for imports)	1948	916~919
1946-1949	1954	910911
1950-1954	1958	885-886
1955–1961	1962	877

Series U 287, 1860-1900, Statistical Abstract, 1924, p. 447. Series U 294, 1903-1907, Statistical Abstract, 1947, p. 905; 1962, unpublished data. 1960-1970 (SITC), see source for series U 275-276.

U 295. Imports, total selected commodities, value, 1821-1962.

Source: See general note for series U 274-316.

U 296-297. Coffee imports, quantity and value, 1790-1970.

Source: 1790-1896, U.S. Department of the Treasury, Bureau of Statistics, *MSCF*, October 1896, pp. 670-672 and 679-681; 1898-1970, see source for series U 275-276.

U 298-299. Tea imports, quantity and value, 1790-1970.

Source: 1790-1896, see source for series U 296-297, pp. 684-685 and 688-689; 1898-1970, see source for series U 275-276.

U 300-301. Sugar imports, quantity and value, 1790-1970.

Source: 1790-1897, U.S. Department of the Treasury, Bureau of Statistics, *MSCF*, November 1902, pp. 1366 and 1375; 1898-1970, see source for series U 275-276.

U 302-305. Crude rubber and raw silk imports, quantity and value, 1855-1970.

Source: 1855-1897, U.S. Department of Commerce, Statistical Abstract of the United States, 1924, p. 445; 1898-1970, see source for series U 275-276.

U 306-316. Value of imports of selected products, 1820-1970.

Source: See source for series U 281-294.

U 317-352. General note.

Imports are shown according to country of origin and exports according to ultimate destination. When the final destination is not known the shipment is credited statistically to the country to which it is consigned. Accurate information on country of origin is difficult to obtain. Consequently, the directional breakdown of foreign trade is at best approximate.

Trade with Canada and the United Kingdom, particularly, is difficult to measure. Considerable U.S. merchandise normally moves to foreign destinations via Canada and some moves across Canada to destinations in the United States, notably from ports in Michigan to ports in New York. At times such movements have been counted as trade with Canada. Also, considerable Canadian trade with other countries moves through the United States. A good deal of United States merchandise has been consigned to the United Kingdom and reexported to other markets by the United Kingdom, as can be observed by the difference between general imports and retained imports in the United Kingdom's record of trade with the United States.

Special studies of U.S.-Canadian trade have been made from

time to time. In this connection, see the headnote to the table, p. 295 of Commerce Yearbook, vol. II, for 1931; and see MSCF, June and July 1898, pp. 2084–2089, where it is also noted (p. 2075) that "exports to Canada are incomplete prior to April 1, 1893, the date on which the law requiring exporters to clear their goods exported by railways went into effect." For an effort at adjusting the U.S. trade record for this deficiency and the similar lack of coverage in the report of trade with Mexico, see tables 2 and 3 of Matthew Simon's "The United States Balance of Payments, 1861–1900" published by the National Bureau of Economic Research in Studies in Income and Wealth, vol. 24, 1960. For a discussion of shortcomings in the U.S. record of trade with the United Kingdom in the early years of the Civil War, see the Treasury's report in 1864 to Congress, Statistics of the Foreign and Domestic Commerce of the United States, p. 37 ff.

For certain periods, like the Civil War and the greenback era, partners' records of trade with the United States are more reliable than the U.S. record and in some ways more revealing of certain aspects of the trade.

For 1862-1879, exports of domestic merchandise are mixed gold and currency values. Imports and reexports, however, are specie values. The extent of the adjustment can be observed by comparing figures from series U 317 with those in series U 190.

Prior to 1873, trade figures for Canada are actually trade figures for all of British North America, a somewhat larger area than the Dominion of Canada. Asia includes the Philippines in all years and Turkey in Europe for 1926–1951. Oceania includes Hawaii prior to 1901. Europe includes the Soviet Republic in Asia since 1923 and Iceland in all years (Iceland was included with northern North America in Historical Statistics of the United States, 1789–1945).

The source for these series for 1821-1881 is the Treasury Department, Bureau of Statistics, Monthly Summary of Commerce and Finance, hereafter abbreviated as MSCF.

U 317-334. Value of exports (including reexports) of U.S. merchandise, by country of destination, 1790-1970.

Source: 1790-1820, series U 317, see source for series U 190. 1790-1820, series U 318-334, U.S. Department of the Treasury, Bureau of Statistics, Statistical Tables Exhibiting the Commerce of the U.S. With European Countries 1790-1890, 1893, pp. xiii, xiv, xviii, and xix. 1821-1881, series U 317, MSCF, April 1898, p. 1632; series U 319, 1821-1872, MSCF, June 1898, p. 2091; 1873-1881, U.S. Department of Commerce and Labor, Statistical Abstract of the United States, 1907, p. 317; series U 320-322, MSCF, August 1901, pp. 618, 626-627, and 632-633; series U 324-328, MSCF, October 1896, pp. 718, 730-732, and 745-746; series U 329-332, MSCF, April 1898, pp. 1632, 1637, and 1638 (except for China, 1865-1881, Statistical Abstract, 1907, p. 350); series U 333-334, 1821-1864, MSCF, June 1896, pp. 1612, 1621, and 1622; 1865-1881, Statistical Abstract, 1907, pp. 366, 376 (data for total America and "other" series were obtained as residuals for 1821-1881); 1882-1946 and 1966-1970, the following editions of the Statistical Abstract:

Period	Edition	Page
1882-1889	1907	284, 288-369
1890-1906	1910	328-376
1907-1915	1916	347-381
1916-1920	1920	398-425
1921-1923	1926	452, 458–463
1924-1928	1930	482, 492-497
1929-1932		418, 424–429
1933-1936	1938	456, 460-464
1937-1940	1943	530, 534-5 3 8
1941–1945	1948	922, 926-930
1946	1952	856, 858-860
1966-1968	1969	808-811
1969-1970	1972	778-781

1947-1964, U.S. Bureau of the Census, Foreign Commerce and Navigation of the United States, 1964 and 1965.

U 335-352. Value of general imports, by country of origin, 1790-1970.

Source: See source for series U 317-334.

See also general note for series U 317-352.

Series U 187-200. Value of Exports and Imports: 1790 to 1970

[In millions of dollars. For years ending September 30, 1790–1842; June 30, 1843–1915; thereafter, calendar years]

	Tota go	al merchan ld, and silv	dise, er			M	[erchandis	e 1			Go	old	Silv	er ³
			Excess of	Ехро	rts and ree	ports	G	eneral impo	orts	Excess of				
Year	Exports	Imports	exports (+) or imports (-)	Total	Exports of U.S. merchan- dise	Re- exports	Total	For immediate con- sumption	For warehouse	exports (+) or imports (-)	Exports 2	Imports	Exports 2	Imports
	187	188	189	190	191	192	193	194	195	196	197	198	199	200
1970	43,265 38,018 35,475 32,632 30,891	40,189 36,279 33,452 26,925 25,663	+3,076 +1,739 +2,023 +5,708 +5,229	43,224 38,006 34,636 31,526 30,320	42,590 37,462 34,199 31,142 29,884	634 544 437 384 436	39,952 36,043 33,226 26,812 25,542	38,064 34,238 31,439 25,330 23,870	1,888 1,805 1,787 1,483 1,678	+3,272 +1,964 +1,410 +4,714 +4,777	41 12 839 1,005 457	237 237 226 33 42	101 114	80 78
1965	28,809	21,533	+7,276	27,470	27,127	343	21,364	19,661	1,705	+6,105	1,285	102	54	65
1964	27,075	18,791	+8,284	26,508	26,156	352	18,684	17,087	1,597	+7,824	423	41	144	66
1963	23,598	17,253	+6,339	23,347	23,062	285	17,138	15,644	1,493	+6,209	204	44	42	71
1962	22,096	16,606	+5,491	21,700	21,431	269	16,380	14,928	1,451	+5,320	381	151	15	75
1961	21,812	14,815	+6,997	20,999	20,755	245	14,714	13,361	1,353	+6,286	775	56	38	45
1960	20,603	15,046	+5,557	20,575	20,375	200	14,654	13,282	1,372	+5,922	2	335	26	57
1959	17,646	15,574	+2,072	17,634	17,451	183	15,207	13,908	1,299	+2,427	2	304	10	63
1958	17,945	13,215	+4,730	17,910	17,745	165	12,792	11,780	1,012	+5,118	31	291	4	132
1957	21,029	13,413	+7,617	20,850	20,671	180	12,982	11,894	1,088	+7,868	168	273	11	158
1956	19,124	12,877	+6,247	19,090	18,940	150	12,615	11,591	1,024	+6,475	27	133	7	129
1955	15,563	11,562	+4,001	15,547	15,419	128	11,384	10,467	917	+4,163	7	105	8	73
1954	15,136	10,333	+4,803	15,110	14,981	129	10,215	9,442	773	+4,894	22	38	5	80
1953	15,827	11,015	+4,812	15,774	15,652	122	10,878	9,972	902	+4,900	45	47	9	95
1952	15,262	11,525	+3,737	15,201	15,049	152	10,717	9,768	949	+4,483	56	740	5	67
1951	15,672	11,152	+4,520	15,032	14,879	153	10,967	9,600	1,367	+4,065	631	81	9	108
1950	10,816	9,125	+1,691	10,275	10,142	133	8,852	7,815	1,037	+1,423	534	163	7	110
1949	12,160	7,467	+4,693	12,051	11,936	115	6,622	5,942	680	+5,429	85	771	24	74
1948	12,967	9,176	+3,791	12,653	12,532	121	7,124	6,361	763	+5,529	301	1,981	13	71
1947	14,674	7,904	+6,770	414,430	14,252	177	5,756	5,074	682	+8,673	213	2,080	31	68
1946	9,996	5,533	+4,464	49,738	9,500	238	4,942	4,285	657	+4,796	221	533	36	58
1945	10,097	4,280	+5,816	49,806	9,585	221	\$4,159	3,689	458	+5,646	200	94	91	27
1944	15,345	4,066	+11,279	414,259	14,162	97	\$3,929	3,515	404	+10,330	959	114	127	23
1943	13,028	3,511	+9,517	12,965	12,842	123	3,381	3,034	347	+9,583	33	102	31	28
1942	8,081	3,113	+4,968	8,079	8,003	76	\$2,756	2,286	459	+5,323	(Z)	316	2	41
1941	5,153	4,375	+778	5,147	5,020	127	3,345	2,716	629	+1,802	(Z)	982	6	47
1940 1939 1938 1937 1936	4,030 3,192 3,107 3,407 2,495	7,433 5,978 4,170 4,807 3,750	-3,403 -2,786 -1,063 -1,400 -1,254	4,021 3,177 3,094 3,349 2,456	3,934 3,123 3,057 8,299 2,419	87 54 37 50 37	2,625 2,318 1,960 3,084 2,423	2,170 1,918 1,666 2,614 2,095	455 400 294 470 328	+1,396 +859 +1,134 +265 +33	5 1 6 46 28	4,749 3,575 1,979 1,632 1,144	15 7 12 12	58 85 231 92 183
1935	2,304	4,143	-1,839	2,283	2,243	40	2,047	1,762	285	+235	2	1,741	19	355
1934	2,202	2,944	-742	2,133	2,100	33	1,655	1,388	267	+478	53	1,187	17	103
1933	2,061	1,703	+358	1,675	1,647	28	1,450	1,254	196	+225	367	193	19	60
1932	2,434	1,706	+729	1,611	1,576	35	1,323	1,198	125	+288	810	363	14	20
1931	2,918	2,731	+186	2,424	2,378	46	2,091	1,881	210	+334	467	612	26	29
1930	4,013	3,500	+514	3,843	3,781	62	3,061	2,765	296	+782	116	396	54	43
1929	5,441	4,755	+686	5,241	5,157	84	4,399	3,925	474	+842	117	292	83	64
1928	5,776	4,328	+1,448	5,128	5,030	98	4,091	3,655	436	+1,037	561	169	87	68
1927	5,142	4,447	+695	4,865	4,759	107	4,185	3,720	465	+681	201	208	76	55
1926	5,017	4,714	+303	4,809	4,712	97	4,431	3,949	482	+378	116	214	92	70
1925	5,272	4,419	+852	4,910	4,819	91	4,227	3,702	524	+683	263	128	99	65
1924	4,763	4,004	+759	4,591	4,498	93	3,610	3,153	457	+981	62	320	110	74
1923	4,269	4,189	+79	4,167	4,091	77	3,792	3,341	451	+375	29	323	72	74
1922	3,931	3,459	+473	3,832	3,765	67	3,113	2,776	337	+719	37	275	63	71
1921	4,560	3,264	+1,297	4,485	4,379	106	2,509	2,280	230	+1,976	24	691	52	63
1920	8,664	5,784	+2,880	8,228	8,080	148	5,278	4,789	490	+2,950	322	417	114	88
1919	8,528	4,070	+4,457	7,920	7,750	171	3,904	3,828	76	+4,016	368	77	239	89
1918	6,443	3,165	+3,278	6,149	6,048	101	3,031	2,865	166	+3,118	41	62	253	71
1917	6,690	3,558	+3,131	6,234	6,170	64	2,952	2,667	285	+3,281	372	552	84	53
1916	5,709	3,110	+2,599	5,483	5,423	60	2,392	2,179	213	+3,091	156	686	71	32
1915 *	2,966	1,875	+1,091	2,769	2,716	52	1,674	1,648	26	+1,094	146	172	51	29
	2,532	1,991	+541	2,365	2,330	35	1,894	1,906	-12	+471	112	67	55	30
	2,615	1,923	+692	2,466	2,429	37	1,813	1,767	46	+653	78	69	72	41
	2,327	1,749	+577	2,204	2,170	34	1,653	1,641	13	+551	57	49	65	47
	2,137	1,647	+490	2,049	2,014	36	1,527	1,528	-1	+522	23	74	65	46

Series U 187-200. Value of Exports and Imports: 1790 to 1970—Con. [In millions of dollars]

		al merchane ld, and silv				M	lerchandis	9 1			Go	old	Sil	ver
			Excess of	Expo	rts and ree	ports	G	eneral impo	orts	Excess of				
Year	Exports	Imports	exports (+) or imports (-)	Total	Exports of U.S. merchan- dise	Re- exports	Total	For immediate con-sumption	For warehouse	exports (+) or imports (-)	Exports 2	Imports	Exports 2	Imports
	187	188	189	190	191	192	193	194	195	196	197	198	199	200
1910 1909 1908 1907 1906	1,919 1,810 1,991 1,989 1,848	1,646 1,400 1,387 1,592 1,367	+273 +410 +604 +397 +481	1,745 1,663 1,861 1,881 1,744	1,710 1,638 1,835 1,854 1,718	35 25 26 27 26	1,557 1,312 1,194 1,434 1,227	1,547 1,282 1,183 1,415 1,213	10 30 11 19 13	+188 +351 +666 +446 +517	119 92 72 51 39	43 44 148 115 96	55 56 58 57 66	45 44 45 43 44
1905 1904 1903 1902	1,660 1,592 1,511 1,480 1,605	1,199 1,118 1,095 984 926	+461 +474 +417 +496 +680	1,519 1,461 1,420 1,382 1,488	1,492 1,435 1,392 1,355 1,460	27 26 28 26 27	1,118 991 1,026 903 823	1,087 982 1,008 900 808	30 9 18 4 15	+401 +470 +394 +478 +665	98 81 47 49 53	54 99 45 52 66	49 49 44 50 64	27 28 24 28 36
1900 1899 1898 1897 1896	1,499 1,821 1,302 1,153 1,056	930 817 767 880 842	+570 +504 +535 +273 +214	1,394 1,227 1,231 1,051 883	1,371 1,204 1,210 1,032 863	24 23 21 19 19	850 697 616 765 780	831 685 587 789 760	19 12 29 -25 20	+545 +530 +615 +286 +103	48 38 15 40 112	45 89 120 85 34	57 56 55 62 61	35 31 31 31 29
1895 1894 1893 1892 1891	921 1,020 997 1,113 993	789 741 911 897 881	+133 +279 +86 +216 +112	808 892 848 1,030 884	793 869 831 1,016 872	14 23 17 15 12	732 655 866 827 845	731 630 833 804 845	25 34 23 1	$^{+76}_{+237}$ $^{-19}_{+203}$ $^{+40}$	66 77 109 50 86	36 72 21 50 18	47 50 41 33 23	20 13 23 20 18
1890 1889 1888 1887 1886	910 839 742 752 752	823 774 783 752 674	+87 +65 -41 (Z) +78	858 742 696 716 680	845 730 684 703 666	13 12 12 13 14	789 745 724 692 635	766 735 707 680 624	24 10 17 13 11	+69 -3 -28 +24 +44	17 60 18 10 43	13 10 44 43 21	35 37 28 26 30	21 19 15 17 18
1885	784 808 856 800 922	621 705 752 767 753	+164 +103 +104 +33 +169	742 741 824 751 902	727 725 804 733 884	16 16 20 17 18	578 668 723 725 643	579 668 701 717 651	-2 (Z) 22 8 -8	$^{+165}_{00000000000000000000000000000000000$	8 41 12 33 3	27 23 18 34 100	34 26 20 17 17	17 15 11 8 11
1880 1879 1878 1877 1876	853 735 729 659 597	761 466 467 492 477	+92 +269 +262 +167 +120	836 710 695 602 540	824 698 681 590 526	12 12 14 13 15	668 446 437 451 461	628 440 439 440 465	40 6 -2 11 -4	+168 +265 +258 +151 +80	4 5 9 27 31	81 6 13 26 8	14 20 25 30 25	12 15 16 15 8
1875 1874 1873 1872 1871	606 653 607 524 541	554 596 664 640 541	+52 +57 -57 -116 (Z)	513 586 522 444 443	499 569 505 428 428	14 17 17 16 14	533 567 642 627 520	526 568 663 560 500	(Z) -21 67 20	$\begin{array}{c} -20 \\ +19 \\ -120 \\ -182 \\ -77 \end{array}$	67 34 45 50 67	14 20 9 9	25 33 40 30 32	7 9 13 5 14
1870	451 343 376 355 435	462 487 372 418 446	-11 -94 +4 -62 -11	393 286 282 295 349	377 275 269 280 338	16 11 13 15 11	436 418 357 396 435	426 394 345 378 423	10 23 13 18 11	-43 -131 -75 -101 -86	34 36 72 39 71	12 14 9 17 8	25 21 21 22 15	14 6 5 5 8
1865 1864 1863 1862 1861		249 330 253 206 336	$ \begin{array}{r} -15 \\ -65 \\ +15 \\ +22 \\ -86 \end{array} $	166 159 204 191 220	137 144 186 180 205	29 15 18 11 15	239 316 243 189 289	210 301 225 178 275	29 15 18 11 15	$ \begin{array}{r} -73 \\ -158 \\ -39 \\ +1 \\ -70 \end{array} $	58 101 62 35 27	6 11 6 14 42	9 5 2 1 2	3 2 4 8 4
1860		362 339 283 361 315	+38 +18 +42 +2 +12	334 293 272 294 281	316 278 251 279 266	17 15 21 15 15	354 331 263 348 310	336 317 243 334 296	17 15 21 15 15	-20 -38 +9 -55 -29	58 61 50 65 45	3 2 12 7 1	8 3 3 4 1	6 5 8 6 3
1855	275 278 231 210 218	261 305 268 213 216	+14 -26 -37 -3 +2	219 237 203 167 189	193 215 190 155 179	26 22 14 12 10	258 298 264 207 211	232 276 250 195 200	26 22 14 12 10	-39 -61 -60 -40 -22	55 40 25 40 23	1 3 2 4 4	1 1 2 3 7	3 4 2 2 2

Series U 187-200. Value of Exports and Imports: 1790 to 1970—Con.

[In millions of dollars]

	Tota go	d merchanold, and silv	dise, ver	Merchandise 1 Exports and reexports Gen							G	old	Sil	ver
			Excess of	Ехро	rts and ree	ports	G	eneral impo	rts	Excess of				
Year	Exports	Imports	exports (+) or imports (-)	Total	Exports of U.S. merchan- dise	Re- exports	Total	For immediate con-sumption	For warehouse	exports (+) or imports (-)	Exports 2	Imports	Exports 2	Imports
	187	188	189	190	191	192	193	194	195	196	197	198	199	200
1850 1849 1848 1848	152 146 154 159 113	178 148 155 147 122	-26 -2 -1 +12 -8	144 140 138 157 110	135 132 130 151 102	9 9 8 6 8	174 141 149 122 118	164 133 141 116 110	9 9 8 6 8	-29 -1 -10 +34 -8	5 2 11 1 2	2 4 3 22 1	3 3 5 1 2	3 3 3 3 3
1845	115 111 84 105 122	117 108 65 100 128	-3 +3 +20 +5 -6	106 106 83 100 112	98 100 78 92 104	8 6 5 8 8	113 108 42 96 123	106 96 37 88 115	8 6 5 8	$ \begin{array}{r} -7 \\ +3 \\ +40 \\ +4 \\ -11 \end{array} $	(Z) 2 4	1 2 17 1	6 4 1 3 6	3 4 5 3 4
1840	132 121 108 117 129	107 162 114 141 190	+25 -41 -5 -24 -61	124 112 105 111 124	112 102 96 94 107	12 11 9 17 18	98 156 96 130 177	86 146 87 113 159	12 11 9 17 18	+25 -44 +9 -19 -52	4 5 1 3 1	3 1 12 2 7	5 4 2 3 4	6 4 6 8 6
1835	122 104 90 87 81	150 127 108 101 103	-28 -22 -18 -14 -22	115 102 88 82 72	100 81 70 62 59	15 22 18 20 13	137 109 101 95 96	122 87 83 75 83	15 22 18 20 13	-22 -6 -14 -14 -24	1 1 1 2 3	2 4 1 1 1	5 1 2 4 6	11 14 6 5 6
1830 1829 1828 1827 1826	74 72 72 72 82 78	71 74 89 79 85	+3 -2 -16 +3 -7	72 67 64 74 73	59 55 50 58 52	13 12 14 16 20	63 67 81 71 78	50 55 67 55 58	13 12 14 16 20	(Z) -17 +3 -5	1 2 2 2 1	1 1 1 1 1	1 3 7 6 4	7 7 7 7 6
1825 1824 1823 1822 1821	100 76 75 72 65	96 81 78 83 63	+3 -5 -3 -11 +2	91 69 68 61 55	67 51 47 50 41	24 18 21 11 11	90 72 72 80 55	66 54 51 68 44	24 18 21 11	+1 -3 -4 -19 (Z)	(Z) (8) (8) (8) (8) (8)	(8) (8) (8) (8) (8)	8 87 86 811 810	6 8 8 8 5 8 3 8 8

		M	erchandis	e ¹				M	erchandis	e 1				M	erchandis	e 1	
	Ехрог	ts and ree	xports		Excess		Ехрог	ts and ree	xports		Excess		Ехро	ts and ree	xports		Excess
Year	Total	Exports of U.S. mer- chandise	Re- exports	General imports	of ex- ports(+) or im- ports(-)	!	Total	Exports of U.S. mer- chandise	Re- exports		of ex- ports(+) or im- ports(-)		Total	Exports of U.S. mer- chandise	Re- exports	-	of ex- ports(+) or im- ports(-)
	190	191	192	193	196		190	191	192	193	196		190	191	192	193	196
1820 1819 1818 1817 1816	70 70 93 88 82	52 51 74 68 65	18 19 19 19	74 87 122 99 147	-5 -17 -28 -12 -65	1810 1809 1808 1807 1806	67 52 22 108 102	42 31 9 49 41	24 21 13 60 60	85 59 57 139 129	-19 -7 -35 -30 -28	1800 1799 1798 1797 1796	71 79 61 51 59	32 33 28 24 32	39 46 33 27 26	91 79 69 75 81	-20 (Z) -7 -24 -23
1815 1814 1813 1812 1811	53 7 28 39 61	46 7 25 80 45	(Z) 3 8 16	113 13 22 77 53	-60 -6 +6 -39 +8	1805 1804 1803 1802 1801	96 78 56 72 93	42 41 42 36 46	53 36 14 36 47	121 85 65 76 111	-25 -7 -9 -4 -18	1795 1794 1793 1792 1791 1790	48 33 26 21 19 20	40 27 24 19 19	8 7 2 2 1	70 35 31 32 29 23	-22 -2 -5 -11 -10 -3

NA Not available. Z Less than \$500,000 or less than \$-\$500,000.

¹ Includes gold and silver prior to 1821. Beginning 1961, includes exports and imports of uranium, thorium, and related products; beginning 1968, includes silver ore and bullion.

² Prior to 1864, domestic exports of silver included with gold.

³ Beginning 1968, silver ore and bullion included in merchandise exports and imports.

⁴ Figures which include estimates of civilian supplies shipped to occupied areas through U.S. Armed Forces and other relief agencies are as follows (in millions of dollars): 1944, 14,414; 1945, 10,530; 1946, 10,184; 1947, 15,338.

Does not add due to revisions not carried to detail.
 Figures for 6-month period July 1, 1915-Dec. 31, 1915, are as follows (in millions of dollars): Series U 187, 1,905; series U 188, 1,239; series U 189, +667; series U 190, 1,853; series U 191, 1,820; series U 192, 33; series U 193, 913; series U 196, +940; series U 197, 24; series U 198, 307; series U 199, 29; and series U 200, 19.
 Period beginning Oct. 1, 1842, and ending June 30, 1843.
 Data shown under silver are for gold and silver.

Series U 201-206. Foreign Trade Related to Various Measures of Production: 1869 to 1970

	Percent national		Percent of of movab	production le goods ¹	Farm	Index of finished goods im-			of gross product ¹	Farm	Index of finished goods im-
Year	Exports	General imports	Exports	General imports	exports as percent of farm income?	ports as percent of output of finished goods (1919 = 100)	Year or period	Exports	General imports	exports as percent of farm income 2	ports as percent of output of finished goods (1919 = 100)
	201	202	203	204	205	206		201	202	205	206
1970	4.4 4.0 4.0 3.9 4.0	4.1 3.9 3.8 3.4 3.4	10.5 9.2 9.1 8.9 8.9	9.9 8.9 8.8 7.7 7.6	14.3 12.4 14.2 15.1 16.0		1915 1914 1913 1912 1911	6.6 6.1 6.2 5.7 5.6	4.0 4.9 4.5 4.3 4.1	25.1 16.5 18.3 18.8 17.8	111 115 111 117 109
1965 1964 1963 1962 1961	4.0 4.2 3.9 3.8 4.0	3.1 3.0 2.9 2.9 2.8	8.8 9.3 8.6 8.5 8.9	7.0 6.7 6.4 6.5 6.3	16.0 17.2 15.1 14.0 14.4		1910 1909 1908 1907 1906	4.9	4.2	15.9	118 114 99 112 111
1960	4.1 3.6 4.0 4.7 4.6	3.0 3.2 3.0 3.0 3.0	8.8 7.6 8.5 9.7 9.1	6.5 6.9 6.4 6.2 6.1	14.3 11.8 11.5 15.1 13.6		1905 1904 1903 1902 1901		1		113 107 104 106 101
1955 1954 1953 1952 1951	3.9 4.2 4.3 4.4 4.6	2.9 2.8 3.0 3.1 3.3	7.8 8.5 8.6 8.8 9.0	5.9 5.8 5.9 6.2 6.6	10.8 10.2 9.0 10.5 12.3		1900 1899 1898 1897 1896				104 109 99 125 124
1950	3.6 4.7 4.9 6.5 34.8	3.1 2.6 2.7 2.5 2.3	7.0 9.5 9.0 12.2 9.8	6.1 5.3 5.1 4.7 4.9	10.0 12.8 11.5 13.4 12.7		1895 1894 1893 1892 1891				140 128 129 145 142
1945	⁸ 4.9 ⁸ 6.8 6.7 5.1 4.1	1.9 1.9 1.8 1.7 2.7	10.2 13.6 12.9 9.0 7.8	4.1 3.7 3.4 3.1 5.2	10.4 10.2 10.6 7.7 6.0		1890 1889 1879 1869				151 138 136 147
1940 1939 1938 1937	4.0 3.5 3.6 3.7 3.0	2.6 2.5 2.3 3.4 2.9	8.3 7.5 7.4	5.5 5.6 6.9	6.2 8.4 10.7 9.0 8.5	66	1917-1921 1912-1916 1907-1911 1902-1906	8.7 7.6 5.8 6.2	4.7 4.7 4.4 4.4		
1935 1934 1933 1932 1932	3.1 3.3 3.0 2.8 3.2	2.8 2.5 2.6 2.3 2.7	6.6	6.0 5.7 6.4	10.6 11.6 13.1 14.0 12.9	70 67 77	1892-1896 1889-1893 Kuznets concept: 4 1889-1893 1887-1891	6.6 6.5 6.7 6.3	5.7 6.0 6.2 6.2		
1930 1929 1928 1927 1926	4.2 5.0 5.2 5.1 4.9	3.4 4.2 4.2 4.3 4.5	9.6	8.2	13.3 15.0 17.0 17.6 17.2	87 103 100 108 110	1882-1886 1877-1881 1872-1876 1869-1873	6.6 8.2 6.9 6.2	5.9 5.8 7.5 7.9		
1925 1924 1923 1922 1921	5.4 5.2 4.8 5.2	4.6 4.1 4.4 4.2 3.4	10.0 9.1	8.7 8.5 7.5	19.4 20.7 19.1 21.9 26.2	110 103 105 99 86					
1920 1919 1918 1917 1916	9.3	5.9 4.9 4.6 5.0 5.0	16.4	8.3	27.3 28.1 20.4 18.4 22.7	124 100 88 105 113					

¹Trade data cover U.S. customs area, which includes Alaska, Hawaii, and Puerto Rico for all years; gross national product data include Alaska and Hawaii beginning 1959; measures of production used for estimates of movable goods exclude Alaska and Hawaii except output of minerals are included beginning 1953 and value added in manufacturing beginning 1958.

² Excludes Alaska and Hawaii for all years.
³ Includes an estimate for civilian supplies shipped to occupied areas through U.S. Armed Forces, which were not tabulated with the foreign trade statistics prior to 1947.
⁴ For an explanation of this concept, see text for series F 1–5 and F 71–97.

Series U 207-212. Value of Merchandise Imports and Duties: 1821 to 1970

[Merchandise imports entered for consumption. For years ending September 30, 1821-1842; June 30, 1843-1915; thereafter, calendar years]

		ue of imports			calculate	f duties d to total orts			ue of imports consumption	s for		Ratio o calculated imp	f duties d to total orts
Year	Total	Free	Dutiable	Duties calculated	Free and dutiable	Dutiable	Year	Total	Free	Dutiable	Duties calculated	Free and dutiable	Dutiable
	207	208	209	210	211	212		207	208	209	210	211	212
	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Percent	Percent		Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Percent	Percent
1970 1969 1968 1967 1966 1965 1964 1963 1962	89,756 35,863 33,066 26,733 25,360 21,282	13,870 13,057 12,342 10,215 9,344 7,484	25,886 22,805 20,724 16,518 16,016 13,848	2,584 2,551 2,341 2,016 1,920 1,643	6.50 7.11 7.08 7.54 7.57 7.72	9.98 11.19 11.30 12.20 11.99 11.86	1895 1894 1893 1892 1891		377 372 432 449 379	354 258 400 356 466	149 130 199 174 217	20.44 20.56 23.91 21.65 25.65	42.19 50.29 49.75 48.98 46.50
1964 1963 1962 1961	18,601 17,001 16,242 14,658	7,029 6,258 6,216 5,923	11,572 10,743 10,026 8,735	1,340 1,240 1,220 1,057	7.20 7.29 7.50 7.21	11.58 11.54 12.17 12.10	1890 1889 1888 1887 1886	766 735 707 680	258 250 239 229	508 485 468 450	227 221 216 214	29.59 30.02 30.55 31.52	44.63 45.49 46.15 47.57
1960 1959 1958 1957 1956 1956	14,650 14,994 12,739 12,951 12,516 11,337	5,780 5,823 5,342 6,036 6,235 6,037	8,870 9,170 7,398 6,914 6,281 5,300	1,084 1,052 821 746 710 633	7.40 7.02 6.44 5.76 5.67 5.59	12.22 11.53 11.09 10.79 11.30 11.95	1886 1884 1883 1882 1881	624 579 668 701 717 651	210 192 211 207 211 202	414 387 457 494 506 448	189 178 190 211 216 194	30.35 30.75 28.50 30.04 30.16 29.79	45.78 46.05 41.67 42.61 42.71 43.23
1954 1958 1952 1951	10,240 10,779 10,747 10,817	5,668 5,920 6,257 5,993	4,572 4,859 4,491 4,824 8,976	529 584 570 591	5.17 5.42 5.30 5.47	11.58 12.02 12.69 12.26	1880 1879 1878 1877 1876 1876	628 440 439 440 465 526	208 143 141 140 140 146	420 297 297 299 324 380	183 133 127 128 145 155	29.12 30.33 29.00 29.20 31.25 29.36	48.54 44.90 42.77 42.91 44.76 40.66
1949	6,592 7,092	3,883 4,175 3,455 2,935	2,708 2,918 2,212 1,890	365 405 428 478	5.53 5.71 7.55 9.90	13.46 13.87 19.34 25.28	1874 1873 1872 1871	568 663 560 500	151 178 47 40	416 485 513 460	161 185 213 202	28.29 27.90 37.99 40.51	38.58 38.12 41.46 44.04
1946 1945 1945 1944 1943 1942		2,749 2,718 2,193 1,779 2,031	1,349 1,170 1,197 1,002 1,191	381 367 393 320 438	9.29 9.45 11.57 11.51 13.59	28.24 31.41 32.79 31.96 36.75	1870 1869 1868 1867 1866	004	20 22 15 17 57	406 373 330 361 366	192 177 161 169 177	44.89 44.76 46.56 44.56 41.81	47.13 47.37 48.70 46.66 48.33
1940 1939 1988 1987 1936 1936 1934 1933 1932 1931	2,541 2,276 1,950 3,010 2,424 2,039	1,649 1,397 1,183 1,765 1,385 1,206	892 879 767 1,245 1,039 833	318 828 301 471 408 357	12.51 14.41 15.46 15.68 16.84 17.52	35.63 37.33 39.30 37.80 39.28 42.88	1868	210 801 225 178 275	40 38 30 50 67	170 263 195 128 207	81 96 64 47 39	38.46 32.04 28.28 26.08 14.21	47.56 36.69 32.62 36.20 18.84
1934 1933 1932 1931	1,636 1,433 1,325 2,088	991 904 886 1,392 2,081	645 529 440 697	301 284 260 371 462	18.41 19.80 19.59 17.75	46.70 53.58 59.06 53.21	1860 1859 1858 1857 1856 1855 1854 1854 1852 1851	336 317 243 334 296 232	68 67 55 50 50	268 250 187 284 246	53 49 42 64 64	15.67 15.43 17.33 19.09 21.68	19.67 19.56 22.44 22.45 26.05
1930	3,114 4,339 4,078 4,163 4,408 4,176	2,880 2,679 2,680 2,908 2,709	1,458 1,399 1,483 1,500 1,467	585 542 575 590 552	14.83 13.48 13.30 13.81 13.39 13.21	44.71 40.10 38.76 38.76 39.34 37.61	1854 1853 1852 1851	276 250 195 200	23 25 22 18	202 254 225 174 183	54 65 58 48 49	23.36 23.52 23.37 24.35 24.26	26.83 25.61 25.94 27.38 26.63
1924 1923 1922 1921	3,575 3,732 3,074 2,557	2,118 2,165 1,888 1,564	1,457 1,567 1,186 993	532 567 451 292	14.89 15.18 14.68 11.44	36.53 36.17 38.07 29.46	1850 1849 1848 1847 1846	164 133 141 116 110	16 14 15 16 19	148 119 126 100 91	40 31 33 28 80	24.50 23.41 23.49 24.20 27.70	27.14 26.11 26.28 28.02 33.35
1920 1919 1918 1917 1916 1915 ² 1914 1913 1912 1911	5,102 3,828 2,952 2,919 2,359 1,648	3,116 2,711 2,229 2,141 1,615 1,033	1,986 1,116 723 778 744 616	326 237 171 205 214 206	6.38 6.20 5.79 7.01 9.08 12.49	16.40 21.27 23.65 26.28 28.80 83.46	1845 1844 1843 ⁵ 1842 1841	106 96 37 88 115	16 17 12 23 57	90 80 26 65 58	31 29 8 17 20	29.34 30.50 20.13 18.96 17.37	34.45 36.88 29.19 25.81 34.56
1914 1913 1912 1911	1,906 1,767 1,641 1,528	1,152 987 882 777	754 780 759 751	284 313 305 310	14.88 17.69 18.58 20.29	83.46 87.63 40.08 40.16 41.27	1840 1839 1838 1837 1837	86 146 87 113 159	42 65 38 51 70	44 81 48 62 89	15 26 20 18 31	17.60 17.57 23.11 16.05 19.51	34.39 31.77 41.33 29.19 34.94
1910 1909 1908 1907 1906	1,547 1,282 1,183 1,415 1,213	761 509 526 642 549	786 682 657 773 665	327 295 283 329 294	21.11 22.99 23.88 23.28 24.22	41.56 43.19 42.98 42.60 44.22 45.33	1840	122 87 83 75 83	58 40 20 7 6	64 47 63 68 77	26 19 24 29 37	21.25 21.83 28.99 38.97 44.23	40.38 40.19 38.25 42.96 47.38
1910 1909 1908 1907 1906 1905 1904 1903 1902 1901	1,087 982 1,008 900 808	517 454 437 397 339	570 528 571 503 469	258 258 281 251 234	23.77 26.29 27.85 27.95 28.91	48.92 49.20 49.97 49.83	1830 1829 1828 1827 1826	50 55 67 55 58	4 3 4 3 5	46 51 63 52 53	28 28 30 28 26	57.32 50.73 44.74 50.93 45.28	61.69 54.17 47.59 53.76 49.26 50.54 50.26
1900 4 1899	831 685 587 789 760	367 300 292 382 369	464 386 296 407 391	229 202 145 173 157	27.62 29.48 24.77 21.89 20.67	49.46 52.38 49.20 42.41 40.18	1825 1824 1823 1822 1821	66 54 51 68 44	4 8 8 4 2	53 63 51 49 65 42	28 26 32 26 22 24 19	45.28 47.72 47.39 43.69 35.23 43.21	50.54 50.26 46.04 37.16 45.00

¹ Beginning 1961, includes uranium, thorium, and related products; beginning 1968, includes silver ore and bullion.

² Figures for 6-month period July 1, 1915—Dec. 31, 1915, are as follows (in millions of dollars): Series U 207, 936; series U 208, 631; series U 209, 303; series U 210, 96; series U 211, 10.26 percent; and series U 212, 31.61 percent.

³ Agrees with source; however, figures for components do not add to total shown.

⁴ During the period May 1, 1900-July 25, 1901, merchandise brought from Puerto Rico was dutiable at 15 percent of regular rates. The duties collected thereon were as follows: May 1, 1900-June 30, 1900, \$134,593.88; July 1, 1900-July 25, 1901, \$448,193.91.

⁵ Period beginning Oct. 1, 1842, and ending June 30, 1843.

Series U 213-224. Value of Merchandise Exports and Imports, by Economic Class: 1820 to 1970

[In millions of dollars. General imports through 1933; thereafter, imports for consumption. For years ending September 30, 1821–1840; June 30, 1850–1915; thereafter, calendar years. Excludes trade in silver prior to 1947 and military grant-aid beginning 1950]

			U.S. domes	stic exports					U.S. gener	al imports	<u>,</u>	
Year	Total	Crude materials	Crude food	Manufac- tured food ¹	Semi- manufac- tures ²	Finished manufac- tures ²	Total	Crude materials	Crude food	Manufac- tured food ¹	Semi- manufac- tures	Finished manufac- tures
- -	213	214	215	216	217	218	219	220	221	222	223	224
1970	42,029	4,492	2,748	1,921	6,866	26,001	39,963	4,129	2,580	3,523	7,268	22,463
	36,788	3,475	2,085	1,782	5,774	23,671	36,043	4,124	2,141	3,043	6,768	19,967
	33,626	3,467	2,334	1,671	5,117	21,036	33,226	4,012	2,294	2,882	7,141	16,897
	30,646	3,293	2,595	1,596	4,489	18,673	26,889	3,707	1,981	2,518	5,592	13,091
	29,054	3,143	3,198	1,582	4,368	16,763	25,618	3,851	2,117	2,309	5,631	11,710
1965	26,399	2,888	2,587	1,590	4,114	15,220	21,427	3,653	2,008	1,877	5,013	8,876
1964	25,479	2,896	2,540	1,687	4,090	14,265	18,749	3,474	2,034	1,819	4,045	7,377
1963	22,183	2,577	2,273	1,496	3,348	12,488	17,068	3,141	1,725	1,998	3,810	6,393
1962	20,717	2,234	2,010	1,366	3,042	12,065	16,326	3,086	1,776	1,792	3,677	5,995
1961	19,981	2,545	1,898	1,151	3,287	11,102	14,703	2,875	1,717	1,602	3,415	5,094
1960	19,459	2,588	1,645	1,117	3,535	10,574	15,068	3,012	1,720	1,566	3,493	5,276
1959	16,243	1,913	1,448	1,078	2,478	9,827	15,476	3,097	1,824	1,599	8,763	5,194
1958	16,211	2,139	1,280	1,102	2,285	9,405	13,344	2,749	1,942	1,517	3,191	3,946
1957	19,837	3,110	1,332	1,163	3,255	10,476	13,387	3,211	2,020	1,272	3,277	3,607
1956	17,193	2,515	1,333	1,264	2,782	9,300	12,805	3,087	2,036	1,167	3,219	3,296
1955	14,172	1,907	930	1,012	2,311	8,011	11,519	2,845	1,998	1,118	2,933	2,624
1954	12,728	1,899	741	832	1,820	7,487	10,396	2,413	2,200	1,117	2,433	2,232
1953	12,142	1,626	962	759	1,424	7,371	10,889	2,613	2,185	1,108	2,752	2,232
1952	13,053	1,982	1,369	736	1,622	7,344	10,847	2,937	2,068	1,083	2,627	2,132
1951	13,820	2,471	1,401	881	1,668	7,899	10,919	3,365	2,077	1,022	2,514	1,942
1950	9,864	1,886	760	634	1,121	5,463	8,845	2,466	1,750	898	2,172	1,558
	11,938	1,780	1,342	908	1,356	6,553	6,679	1,857	1,333	741	1,457	1,292
	12,533	1,488	1,266	1,367	1,371	7,042	7,178	2,150	1,272	781	1,679	1,346
	14,274	1,579	849	1,528	1,734	8,583	5,743	1,770	1,017	656	1,279	1,022
	9,500	1,416	648	1,522	895	5,019	4,825	1,729	814	504	931	847
1945	9,585	871	432	1,246	780	6,257	4,098	1,183	693	462	928	832
	14,162	554	134	1,633	1,097	10,744	3,887	1,078	841	521	706	741
	12,842	662	109	1,551	1,089	9,431	3,390	1,037	584	421	678	670
	8,003	418	68	926	920	5,672	2,780	1,061	349	275	640	457
	5,020	362	84	418	771	3,385	3,222	1,376	376	322	724	423
1940	3,934	464	74	167	900	2,330	2,541	1,011	285	277	559	409
	3,123	545	111	202	599	1,667	2,276	745	291	313	487	440
	3,057	607	249	184	494	1,523	1,950	576	260	311	385	418
	3,299	731	105	178	669	1,617	3,010	971	418	440	634	551
	2,419	670	58	144	393	1,154	2,424	733	349	386	490	466
1935	2,243	683	59	157	350	994	2,039	582	322	319	410	406
1934	2,100	653	59	168	342	879	1,636	461	254	264	307	350
1933 3	1,647	591	48	155	237	617	1,450	418	216	201	292	322
1932	1,576	514	89	152	197	624	1,323	358	233	174	217	341
1931	2,378	567	127	247	318	1,120	2,091	642	305	222	372	549
1930	3,781	829	179	363	513	1,898	3,061	1,002	400	293	608	757
1929	5,157	1,142	270	484	729	2,532	4,399	1,559	539	424	885	994
1928	5,030	1,293	295	466	716	2,260	4,091	1,467	550	406	763	906
1927	4,759	1,193	421	463	700	1,982	4,185	1,601	505	451	750	879
1926	4,712	1,261	335	503	656	1,957	4,431	1,792	540	418	804	877
1925	4,819	1,422	318	574	662	1,843	4,227	1,748	495	433	755	796
1924	4,498	1,333	393	573	611	1,588	8,610	1,258	425	522	656	749
1923	4,091	1,208	257	583	564	1,478	3,792	1,407	363	530	721	771
1922	3,765	988	459	588	438	1,292	3,113	1,180	330	387	553	663
1921	4,379	984	673	685	410	1,627	2,509	859	300	368	362	620
1920	8,080	1,883	918	1,117	958	3,205	5,278	1,784	578	1,238	802	877
	7,750	1,623	678	1,963	922	2,564	3,904	1,701	545	556	609	493
	6,048	972	547	1,406	1,053	2,069	3,031	1,234	346	397	650	405
	6,170	833	509	807	1,315	2,706	2,952	1,286	386	352	537	392
	5,423	816	421	648	912	2,625	2,392	1,029	260	339	419	346
1915 4	2,716	591	507	455	356	807	1,674	591	224	286	237	336
	2,330	800	137	293	374	725	1,894	650	248	228	319	449
	2,429	740	182	321	409	776	1,813	649	212	194	349	408
	2,170	731	100	319	348	672	1,653	573	280	196	294	360
	2,014	721	103	282	309	598	1,527	525	181	172	288	361
1910	1,710	574	110	259	268	499	1,557	578	145	182	285	368
	1,638	529	136	303	231	440	1,312	461	164	166	222	299
	1,835	563	189	332	261	489	1,194	374	146	147	196	332
	1,854	601	167	346	259	481	1,484	488	150	159	274	364
	1,718	507	177	347	226	460	1,227	424	134	140	220	308
1905	1,492	479	118	283	210	402	1,118	396	146	145	178	252
	1,435	467	136	309	175	349	991	328	132	118	160	253
	1,392	416	185	323	141	327	1,026	336	119	117	196	258
	1,355	388	185	329	132	322	908	309	120	95	148	231
	1,460	411	246	337	148	318	823	254	110	126	128	206

Series U 213-224. Value of Merchandise Exports and Imports, by Economic Class: 1820 to 1970—Con. [In millions of dollars]

			U.S. domes	stic exports					U.S. gener	al imports		
Year	Total	Crude materials	Crude food	Manufac- tured food ¹	Semi- manufac- tures	Finished manufac- tures	Total	Crude materials	Crude food	Manufac- tured food ¹	Semi- manufac- tures	Finished manufac- tures
	213	214	215	216	217	218	219	220	221	222	223	224
1900	1,371	340	226	320	153	332	850	282	98	133	134	203
	1,204	286	233	305	118	263	697	213	99	123	92	170
	1,210	296	305	285	102	223	616	194	104	86	79	153
	1,032	304	181	235	98	213	765	201	128	129	88	218
	863	257	129	219	76	182	780	203	130	119	101	227
1895	793	269	99	219	62	144	782	188	141	107	96	200
1894	869	283	133	250	67	136	655	135	133	155	83	149
1893	831	252	153	247	49	130	866	217	132	154	136	229
1892	1,016	320	262	250	50	138	827	195	176	140	113	205
1891	872	351	106	226	48	140	845	193	151	148	136	218
1890	845	309	132	225	46	. 138	789	180	128	133	117	231
1889	730	291	99	175	43	123	745	172	123	122	115	212
1888	684	274	86	170	40	114	724	164	116	111	122	211
1887	703	253	125	176	37	112	692	151	106	112	120	203
1886	666	257	101	163	84	112	635	145	92	113	92	195
1885	727	251	123	202	39	111	578	120	93	103	78	183
1884	725	244	130	195	38	118	668	131	108	131	95	208
1883	804	294	163	186	38	122	723	146	93	142	99	243
1882	733	238	155	178	37	125	725	143	105	139	99	239
1881	884	281	242	226	33	102	643	125	102	123	88	204
1880	824	243	266	193	29	93	668	142	100	118	111	197
1879	698	202	189	174	30	103	446	81	82	103	50	130
1878	681	216	155	170	29	110	437	79	84	102	47	125
1877	590	205	91	150	32	113	451	76	86	115	49	126
1876	526	204	94	122	31	74	461	78	94	92	51	146
1875	499	208	79	110	27	75	533	89	90	113	63	178
1874	569	229	119	114	26	81	567	89	94	120	72	192
1873	505	233	70	101	25	76	642	108	83	122	97	232
1872	428	198	59	84	21	65	627	103	77	122	88	238
1871	428	224	49	67	14	76	520	78	64	103	72	203
1870	377	214	42	51	14	56	436	57	54	96	56	174
	275	145	25	44	14	47	418	50	53	95	63	157
	269	133	35	42	17	43	357	41	52	78	53	133
	280	167	21	34	15	44	396	43	51	65	56	181
	338	228	17	41	12	89	435	48	61	72	56	198
1865	137	34	14	48	11	30	239	30	35	48	30	96
	144	29	25	55	10	25	316	40	44	52	52	128
	186	30	45	66	11	33	243	48	30	35	35	95
	180	18	56	70	8	27	189	33	32	35	24	66
	205	58	49	54	8	36	289	31	40	54	33	132
1860	316	217	12	39	13	36	354	40	46	60	35	172
	278	190	10	32	11	35	331	39	44	57	40	151
	251	155	18	39	10	30	263	34	36	46	31	116
	279	158	31	49	11	30	348	34	41	72	89	163
	266	145	29	53	8	31	310	27	39	46	41	157
1855	198	109	11	38	11	29	258	27	33	34	35	129
1854	* 214	108	22	47	11	27	298	23	25	33	45	173
1853	190	124	8	27	6	24	264	18	26	33	42	144
1852	155	101	7	20	6	21	207	14	24	29	21	120
1851	179	125	5	20	6	23	211	17	20	29	27	118
1850 1840 1830 1821	135 112 59	84 76 37	8 5 3	20 16 10	6 5 4	17 11 5	174 98 63 55	13 12 5 3	18 15 7 6	21 15 10 11	26 11 5 4	95 44 36 31
1820	52	31	2	10	5	3						

¹ Includes beverages.

² Beginning 1950, for security reasons, a small amount of semimanufactures included with finished manufactures.

³ Imports for consumption are as follows (in millions of dollars): Series U 219, 1,483; series U 220, 420; series U 221, 215; series U 222, 191; series U 223, 290; and series U 224, 317.

⁴ Figures for 6-month period July 1, 1915—Dec. 31, 1915, are as follows (in millions of dollars): Series U 213, 1,820; series U 214, 303; series U 215, 158; series U 216, 293; series U 217, 268; series U 218, 799; series, U 219, 913; series U 220, 378; series U 221, 130; series U 222, 144; and series U 224, 147.

⁵ Excludes exports from San Francisco valued at \$1,843,064.

Series U 225-248. Indexes of Quantity and Unit Value of Exports and Imports, by Economic Class: 1879 to 1970

						U.S. domest	tic exports 1					
	Tot	tal	Crude m	aterials	Crude	foods	Manufactu	red foods	Semimanı	ıfactures	Finished ma	nufactures
Year	Quantity	Unit value	Quantity	Unit value	Quantity	Unit value	Quantity	Unit value	Quantity	Unit value	Quantity	Unit value
	225	226	227	228	229	230	231	232	233	234	235	236
						1967	= 100					
1970	123.9	110.7	127.1	107.8	106.9	99.0	114.2	105.4	150.8	101.4	120.5	115.6
1969	114.7	104.7	105.9	99.6	83.2	96.6	109.9	101.6	133.7	96.2	116.1	109.2
1968	108.2	101.4	107.5	97.9	94.0	95.7	104.0	100.7	119.2	95.6	108.0	104.3
1967	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1966	96.6	98.1	92.8	102.8	124.6	98.9	98.0	101.2	94.5	103.0	93.3	96.2
1965	90.5	95.2	88.7	98.9	103.8	96.0	104.9	95.0	90.3	101.5	87.3	93.4
1964	90.2	92.2	93.1	95.2	98.5	99.4	117.3	90.1	94.9	96.0	84.8	90.1
1963	79.3	91.3	82.2	95.2	88.6	98.9	106.5	88.0	78.2	95.4	75.1	89.1
1962	73.9	91.5	70.9	95.7	80.3	96.5	98.2	87.2	69.0	98.2	72.4	89.3
1961	70.8	92.1	81.1	95.3	77.5	94.4	81.3	88.7	70.9	103.2	66.6	89.3
1960	70.2	90.4	86.5	90.8	69.1	91.8	80.3	87.2	75.1	104.8	64.8	87.4
1959	59.1	89.7	63.3	91.7	60.5	92.2	76.0	88.8	52.8	104.6	58.2	85.8
1958	59.1	89.5	68.2	95.2	53.1	92.9	71.6	96.5	49.9	102.0	59.9	84.1
1957	69.7	90.5	97.5	96.9	54.4	94.3	76.5	95.2	63.7	113.8	67.8	82.8
1956	64.0	87.6	79.4	96.2	54.0	95.1	86.4	91.7	53.4	116.1	63.8	78.0
1955	54.7	84.5	59.8	96.9	38.0	94.4	67.8	93.6	49.2	104.7	57.3	74.9
1954	49.7	83.6	59.3	97.1	29.2	97.6	50.8	102.7	41.2	98.3	54.0	73.8
1953	46.8	84.7	51.7	95.5	33.9	109.3	45.3	102.7	32.0	99.0	52.8	74.8
1952	49.8	85.6	59.4	101.3	45.3	116.4	46.3	99.7	35.5	101.7	53.1	74.1
1951	52.4	86.0	69.6	107.8	50.3	107.3	52.0	106.1	36.0	103.2	53.8	73.7
1950	42.9	75.0	63.0	90.9	30.4	96.2	46.9	84.7	29.7	84.0	44.1	66.4
1949	50.6	77.0	61.6	87.7	46.2	111.9	57.2	99.5	35.1	86.1	51.6	68.0
1948	49.4	82.8	48.9	92.5	38.4	127.0	68.4	125.2	33.6	90.8	52.8	71.4
1947	59.8	77.9	59.5	80.6	26.5	123.5	78.2	122.5	46.2	83.7	68.1	67.5
1946	47.5	65.3	62.1	69.2	23.3	107.1	98.5	99.0	81.5	64.7	46.3	57.7
1945	45.3	69.0	43.1	61.3	17.0	97.9	83.9	96.0	28.2	62.8	50.4	66.0
1944	66.8	69.2	27.6	60.9	5.8	89.6	107.3	97.5	39.0	64.0	86.5	66.3
1943	69.4	60.4	34.4	58.5	5.3	79.5	114.1	86.3	40.1	61.8	88.7	56.8
1942	47.6	54.8	24.1	52.7	4.1	63.0	72.2	80.8	35.0	59.8	59.6	50.9
1941	36.2	45.2	24.1	45.6	6.1	52.5	45.4	58.7	31.8	55.2	43.7	41.4
1940	30.6	42.0	35.7	39.4	6.3	45.1	21.3	49.2	40.8	50.2	31.3	39.9
1939	26.0	39.2	44.6	37.1	11.0	38.9	26.3	48.3	28.7	47.4	24.2	36.9
1938	24.9	40.1	48.7	37.8	20.8	46.2	22.3	51.8	23.7	47.5	21.9	37.2
1937	24.8	43.3	51.3	42.7	7.1	56.5	18.5	60.3	28.7	53.8	22.8	37.9
1936	19.4	40.7	46.5	43.6	4.3	52.7	16.0	56.4	20.2	44.4	17.1	36.2
1935	18.4	39.8	48.6	42.7	4.6	48.9	17.9	55.0	19.1	41.6	14.8	35.9
1934	17.5	39.1	47.2	42.0	4.7	48.2	22.2	47.3	18.5	41.9	13.4	35.2
1933	16.2	33.2	56.4	31.8	4.5	41.5	23.3	41.5	14.6	36.8	10.1	32.8
1932	16.1	31.9	57.4	27.2	8.3	41.6	23.8	40.0	12.6	35.6	9.8	34.2
1931	21.0	36.9	53.7	32.1	10.0	49.0	29.6	52.3	16.8	43.1	16.0	37.6
1930	25.8	47.9	52.9	47.6	9.7	70.7	34.0	66.9	22.2	52.6	21.8	46.6
1929	31.3	53.7	56.6	61.3	13.2	78.7	41.5	73.2	27.3	60.7	27.8	48.7
1928	30.3	54.1	62.0	63.3	13.8	82.3	40.8	73.0	28.4	57.4	24.4	49.5
1927	29.2	53.2	65.3	55.5	18.5	87.6	38.6	75.2	27.6	57.6	21.2	50.1
1926	27.2	56.6	67.2	57.0	14.7	88.0	38.5	81.9	24.4	61.2	19.0	55.3
1925	25.4	61.8	58.5	73.8	12.0	101.9	42.1	85.5	24.2	62.1	17.9	55.1
1924	24.1	61.0	49.5	81.7	17.1	88.4	50.2	71.6	23.5	59.0	15.6	54.5
1923	21.5	66.2	42.0	87.3	13.1	75.4	51.2	71.4	20.8	61.6	14.3	55.2
1922	21.2	58.0	43.7	68.6	23.5	75.3	52.6	70.1	17.5	56.8	12.0	57.8
1921	22.9	62.5	54.0	55.3	29.1	89.1	54.3	79.1	14.5	64.1	12.3	70.8
1920	27.5	95.9	53.2	107.4	23.0	153.9	54.3	129.0	23.6	92.5	19.2	89.5
1919	28.5	88.6	52.1	94.6	18.8	138.6	87.5	140.6	24.2	86.4	17.5	78.4
1913	18.3	40.3	61.6	38.3	11.4	57.3	35.0	58.1	20.4	43.5	9.2	40.1

 $^{^{1}}$ Data on 1967 base exclude trade in silver prior to 1947 and exclude military grant-aid beginning 1950.

U 225-236

INTERNATIONAL TRANSACTIONS AND FOREIGN COMMERCE

Series U 225–248. Indexes of Quantity and Unit Value of Exports and Imports, by Economic Class: 1879 to 1970—Con.

						U.S. dome	stic exports		<u> </u>			
i	To	tal	Crude m	aterials	Crude	foods	Manufactu	red foods	Semimanu	factures	Finished ma	nufactures
Year	Quantity	Unit value	Quantity	Unit value	Quantity	Unit value	Quantity	Unit value	Quantity	Unit value	Quantity	Unit value
	225	226	227	228	229	230	231	232	233	234	235	236
						1913	= 100					
1921	113.4	157.5	81.3	156.4	252.8	155.7	153.9	136.2	72.2	143.5	125.6	163.9
1920	141.8	232.5	84.8	285.3	192.2	268.2	161.2	217.2	120.8	210.5	202.2	197.7
1919	146.6	215.7	86.7	241.3	156.3	241.7	257.6	237.4	126.4	199.5	179.9	174.4
1918	119.7	206.1	57.0	219.0	132.8	234.6	203.9	214.2	129.5	202.8	153.4	169.7
1917	142.2	177.0	64.4	166.8	134.4	214.8	147.0	170.5	168.5	198.4	225.0	150.4
1916	163.3	135.5	90.9	115.5	168.6	144.2	164.8	118.4	155.8	156.5	252.0	130.6
1915	135.7	105.1	103.1	86.0	200.6	133.8	160.5	106.5	111.7	113.2	163.6	100.9
1914	86.6	97.7	74.9	87.9	140.0	114.5	93.0	103.3	87.4	97.6	86.0	94.3
1913	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1912	101.1	95.5	115.3	89.8	79.4	104.2	97.8	97.0	97.9	100.3	95.5	97.2
1911	90.0	93.5	96.2	90.9	68.5	97.9	103.2	93.3	89.7	93.2	84.0	95.5
1910	73.1	102.1	79.4	108.4	55.1	98.7	73.6	107.3	77.0	93.4	69.0	98.7
1909	73.7	94.3	83.5	91.4	65.1	104.2	94.3	93.7	69.8	91.0	60.7	97.4
1908	78.4	90.1	91.3	79.8	98.3	99.8	114.6	87.9	64.5	92.4	56.4	100.5
1907	81.3	95.2	89.3	87.4	118.2	95.0	121.8	86.5	62.6	109.9	62.5	102.2
1906	80.5	89.9	84.2	83.8	126.1	81.7	131.8	80.7	60.0	105.9	61.8	97.5
1905	78.0	83.7	84.7	75.6	108.8	82.4	129.8	75.7	58.4	93.6	58.5	94.5
	67.0	86.9	73.1	84.3	73.2	80.3	113.4	77.8	60.2	85.9	48.4	98.8
	68.8	86.6	77.2	81.0	123.1	81.4	123.1	81.8	46.0	87.3	43.2	98.9
	66.9	81.4	73.8	69.1	112.1	82.0	120.6	83.8	44.4	83.5	43.6	94.0
	74.0	79.4	77.0	67.9	182.7	77.4	143.4	76.0	40.0	86.0	42.9	94.2
1900	72.8	81.0	75.7	72.2	168.4	74.4	142.9	71.3	48.6	89.5	42.2	98.9
1899	70.3	72.3	66.8	55.1	183.9	73.2	148.2	66.9	41.8	84.9	41.4	90.3
1898	73.2	68.4	82.0	48.9	197.1	76.9	139.8	68.0	41.8	70.4	86.3	82.6
1897	63.4	69.1	67.2	54.3	178.6	71.5	121.8	64.8	39.6	69.6	30.6	88.1
1896	56.4	71.0	65.6	61.0	141.4	63.6	114.3	63.5	34.5	70.1	25.6	96.8
1895	45.7	71.8	59.0	56.7	83.1	69.5	100.5	69.5	25.5	71.7	22.2	91.4
1894	46.5	70.5	62.8	55.3	87.7	67.8	100.8	74.2	25.6	67.7	20.7	82.0
1893	43.3	80.2	54.7	66.4	97.3	77.9	89.6	85.6	23.1	71.8	19.7	87.0
1892	45.8	81.9	53.8	67.8	127.1	86.8	108.6	77.7	17.2	78.7	17.5	91.8
1891	44.2	87.9	60.1	74.1	107.6	100.3	94.5	76.7	18.3	81.7	17.1	100.3
1890	40.4	85.0	52.3	78.5	87.2	76.8	97.1	73.6	16.1	82.5	16.3	104.4
	38.4	86.0	55.4	77.5	77.6	75.5	82.9	76.7	15.8	81.9	15.6	106.7
	30.7	89.7	46.7	78.1	51.2	86.2	63.6	81.3	13.7	84.7	13.0	110.9
	33.4	85.5	46.6	74.5	77.0	81.8	72.4	76.3	12.8	82.2	13.1	106.1
	33.1	85.7	46.6	74.9	80.4	80.6	70.6	76.3	12.0	80.5	12.8	109.0
1885	30.0	91.0	39.0	80.2	64.0	85.6	73.8	80.9	12.1	83.7	12.1	115.5
	30.5	97.6	43.4	83.3	69.7	91.6	64.8	92.2	12.3	86.4	11.8	122.3
	31.1	101.4	43.7	82.1	74.7	104.2	64.1	99.7	12.1	90.8	12.6	121.8
	28.4	107.0	40.4	88.3	73.5	109.2	51.7	106.8	11.7	93.0	12.1	123.3
	81.8	103.8	39.8	86.8	106.3	102.9	67.2	97.6	10.4	92.1	11.6	124.8
1880	35.0	101.5	41.1	89.4	146.5	96.3	80.1	86.6	9.5	87.5	8.7	132.4
1879	33.1	92.5	37.0	80.1	134.1	93.6	74.4	76.7	10.1	79.3	9.7	119.3

Series U 225–248. Indexes of Quantity and Unit Value of Exports and Imports, by Economic Class: 1879 to 1970—Con.

						U.S. genera	ıl imports 1					
	Tot	tal	Crude m	aterials	Crude	foods	Manufactu	red foods	Semimanu	ıfactures	Finished ma	nufactures
Year	Quantity	Unit value	Quantity	Unit value	Quantity	Unit value	Quantity	Unit value	Quantity	Unit value	Quantity	Unit value
	237	238	239	240	241	242	243	244	245	246	247	248
						1967	= 100					
1970 1969 1968 1967	133.2 128.6 122.3 100.0 96.0	111.6 104.2 101.0 100.0 99.2	105.8 106.1 107.9 100.0 100.6	105.3 104.9 100.3 100.0 103.3	106.4 103.0 114.5 100.0 103.7	122.4 104.9 101.1 100.0 103.1	124.4 113.3 113.0 100.0 93.8	112.5 106.6 101.3 100.0 97.8	118.0 116.3 124.1 100.0 102.0	110.1 104.1 102.9 100.0 98.7	152.9 147.1 128.7 100.0 91.6	112.2 103.7 100.3 100.0 97.7
1965 1964 1963 1962 1961	82.6 73.0 68.1 65.7 57.8	96.5 95.5 98.2 92.4 94.6	98.2 93.4 84.7 83.8 76.6	100.4 100.3 100.0 99.4 101.3	101.4 102.2 104.8 107.9 102.1	100.0 100.5 83.1 83.1 84.9	81.4 78.9 84.9 82.8 73.7	91.6 91.5 93.4 85.9 86.3	91.4 76.8 74.6 71.4 63.3	98.1 94.2 91.3 92.1 96.5	71.2 59.4 51.4 48.3 40.2	95.2 94.9 95.0 94.9 96.8
1960 1959 1958 1958 1957		96.0 94.5 96.2 101.2 99.3	77.0 81.5 72.8 79.4 79.1	105.5 102.5 101.8 109.1 105.3	97.7 101.8 96.2 94.5 93.4	88.9 90.4 101.9 107.9 110.1	72.4 72.7 68.7 56.9 54.7	85.9 87.4 87.6 88.7 84.7	63.6 69.9 59.4 55.8 53.9	98.2 96.2 96.1 105.0 106.9	41.9 42.1 32.0 28.7 26.7	96.1 94.2 94.3 95.9 94.8
1955 1954 1953 1952 1951	43.6 39.2 42.0 40.1 38.2	98.3 98.5 96.5 100.6 106.2	74.4 66.8 70.1 71.1 67.1	103.2 97.5 100.5 111.5 135.2	88.5 83.4 99.2 94.6 95.6	114.0 133.2 111.2 110.4 109.6	52.6 51.9 50.9 49.4 46.8	84.3 85.5 86.5 87.0 86.6	52.2 46.8 51.4 46.5 45.2	100.5 92.9 95.7 101.0 99.4	21.7 18.1 18.1 17.0 15.3	92.5 94.0 94.1 95.8 96.9
1950 1949 1948 1947 1946	38.8 31.8 32.6 28.8 30.3	84.7 78.0 81.9 74.1 60.2	71.8 59.4 66.0 61.2 66.9	92.6 84.3 87.9 78.1 70.4	90.9 95.2 87.3 77.2 86.9	97.2 70.7 73.5 66.5 47.3	45.0 37.1 85.1 32.0 30.3	79.3 79.2 82.8 81.4 66.0	49.3 32.3 33.9 29.3 28.3	78.8 80.6 88.5 77.9 61.4	14.4 11.7 11.7 9.7 10.4	82.7 84.7 87.5 80.4 64.2
1945 1944 1943 1942 1941	27.6 25.7 22.9 30.8	54.2 52.6 49.2 45.3 39.0	46.1 43.5 44.5 50.6 73.9	69.8 67.5 63.4 57.1 50.7	93.3 117.0 89.9 58.1 83.7	37.5 36.3 32.8 30.8 22.7	31.8 37.8 31.2 21.9 34.7	57.7 54.8 53.6 49.7 36.9	30.6 23.6 23.2 22.9 28.4	54.8 54.2 52.7 50.6 46.0	11.4 10.5 10.5 7.9 8.1	55.5 53.8 48.6 44.0 39.9
1940 1939 1938 1937 1936	26.0 24.9 21.6 29.9 26.9	36.4 34.1 83.6 37.6 33.6	56.5 45.6 38.6 54.5 48.8	48.7 44.5 40.7 48.5 40.9	78.2 76.0 67.0 85.8 86.3	18.4 19.3 19.6 24.3 20.4	32.6 35.4 34.2 42.4 38.2	33.8 35.1 36.1 41.2 40.2	23.0 22.3 17.5 26.2 22.7	43.7 39.4 39.7 43.6 39.0	8.3 9.8 9.2 13.0	37.7 34.3 34.5 32.3 31.2
1935 1934 1933 1932 1931	24.3 19.9 20.1 18.3 22.6	31.3 30.7 26.9 26.9 34.5	46.1 38.3 41.5 36.9 46.7	34.4 32.7 27.4 26.4 37.4	83.4 61.4 59.5 58.8 65.2	19.5 20.9 18.3 20.0 23.6	33.9 30.9 26.6 23.9 25.2	37.3 33.8 30.1 28.9 35.1	19.4 14.4 16.2 12.8 17.5	38.0 38.4 32.5 30.6 38.3	9.7 8.3 8.1 8.0 10.5	31.9 32.4 30.5 32.6 40.0
1930 1929 1928 1927	30.4 26.6 26.3 25.9	44.2 53.9 57.4 59.4 63.7	49.7 61.1 53.5 53.3 50.1	54.9 69.4 74.6 81.7 97.3	66.8 66.3 63.9 62.6 63.4	30.3 41.0 43.4 40.2 43.0	29.8 35.5 29.2 28.8 31.5	39.1 47.4 55.2 62.2 52.6	22.7 28.3 25.1 23.5 25.0	48.3 56.3 54.7 57.6 58.0	12.3 14.5 12.1 12.2 11.7	46.9 52.5 57.4 55.1 57.4
1925 1924 1923 1922 1921	24.1 22.4 23.0 22.1 17.1	65.3 60.1 61.4 52.4 54.6	48.2 42.8 46.4 46.2 37.0	98.7 80.1 82.6 69.5 63.2	57.4 60.6 61.3 55.9 56.3	43.5 35.4 29.9 29.8 26.9	30.5 25.6 23.3 28.6 19.2	56.3 81.0 90.3 53.8 76.2	23.5 21.2 22.4 19.0 11.3	57.8 55.8 58.1 52.4 57.5	10.1 10.3 10.2 9.2 7.7	60.4 55.5 57.5 55.3 61.7
1920 1919 1913	20.4	96.7 77.6 43.7	42.8 45.0 24.0	113.4 102.8 63.0	64.8 62.9 39.6	45.0 43.8 28.0	22.3 20.8 18.8	220.5 106.0 41.2	17.0 14.8 16.1	85.0 74.1 42.9	8.3 5.3 8.5	80.7 70.5 37.0

 $^{^1}$ 1934–1963, based on imports for consumption. Data on 1967 base exclude trade in silver prior to 1947.

Series U 225–248. Indexes of Quantity and Unit Value of Exports and Imports, by Economic Class: 1879 to 1970—Con.

						U.S. genera	l imports					
	Tot	tal	Crude m	aterials	Crude	foods	Manufactu	red foods	Semimanu	factures	Finished ma	nufactures
Year	Quantity	Unit value	Quantity	Unit value	Quantity	Unit value	Quantity	Unit value	Quantity	Unit value	Quantity	Unit value
	237	238	239	240	241	242	243	244	245	246	247	248
						1913	= 100					
1921 1920 1919 1918 1917 1916	111.8 134.4 120.4 104.9 113.4 111.0	125.2 219.1 181.0 161.3 145.3 120.2	140.3 159.9 171.7 137.2 149.1 144.9	99.8 179.1 161.6 147.3 139.8 113.1	135.8 155.7 150.6 132.4 154.9 117.0	101.1 166.4 159.4 110.5 106.7 98.7	100.7 133.3 112.4 92.9 89.5 98.1	179.0 472.4 255.7 216.5 196.9 172.3	75.8 112.7 86.5 92.3 96.1 96.8	135.0 204.2 183.1 180.4 160.4 128.1	86.6 89.9 63.0 63.4 69.7 75.2	164.6 223.5 195.2 180.1 136.1 112.2
1915 1914 1913 1912 1911	102.1 106.5 100.0 100.4 89.0	97.2 93.7 100.0 101.0 96.1	126.6 106.0 100.0 104.6 83.2	89.7 92.8 100.0 100.4 99.9	120.6 117.5 100.0 103.2 90.8	89.9 91.1 100.0 104.0 94.5	96.6 117.1 100.0 87.8 83.5	142.9 110.7 100.0 119.0 109.7	77.3 87.1 100.0 97.0 95.8	99.8 93.3 100.0 96.9 90.4	79.3 110.2 100.0 103.0 92.7	90.3 90.7 100.0 95.4 90.2
1910 1909 1908 1907 1906	92.2 93.5 70.7 80.0 77.8	94.6 88.0 88.0 99.2 94.7	85.1 90.4 65.6 70.7 71.0	104.8 95.3 89.7 106.2 100.7	85.6 106.4 87.0 86.7 79.6	80.9 71.1 72.8 78.2 75.9	86.0 82.7 74.8 78.7 75.0	113.8 104.3 105.8 101.8 97.1	102.4 94.6 64.2 77.0 78.8	85.7 81.2 83.9 103.1 97.4	99.7 96.9 74.5 96.1 90.2	86.5 86.3 90.4 97.1 93.2
1905	1 6791	90.6 85.8 84.0 80.8 82.6	70.0 62.4 58.6 61.8 56.6	93.5 89.2 88.5 83.0 82.0	81.6 89.9 78.8 79.0 77.5	74.2 73.0 67.3 67.9 66.1	70.9 73.6 63.1 67.6 64.0	113.2 93.7 88.2 80.5 96.0	70.5 60.3 66.6 66.2 52.0	85.4 83.4 82.9 80.0 82.4	76.9 68.3 73.7 71.5 60.8	90.1 87.7 87.6 86.0 88.6
1900	54.1	86.7 81.5 75.7 75.9 80.7	47.7 48.6 40.7 51.9 35.7	87.7 83.2 76.2 71.4 71.0	64.2 67.5 59.3 64.9 53.2	72.9 66.4 68.4 81.8 99.5	58.8 61.4 49.3 56.4 56.6	101.4 99.1 92.6 84.7 94.3	48.8 50.6 43.6 44.1 40.7	82.7 73.4 60.8 63.4 64.9	58.8 56.0 50.9 62.3 60.4	87.4 82.8 79.4 79.4 81.2
1895	55.7 44.4 44.7 50.4 47.7	79.5 83.5 92.0 88.4 92.0	50.6 37.6 37.1 42.9 38.6	70.0 68.5 75.6 74.9 77.6	55.8 52.5 48.2 52.1 49.9	111.6 114.8 123.9 113.7 122.8	53.2 58.2 54.6 54.4 63.7	80.7 101.7 122.4 112.7 116.1	50.8 40.9 45.4 50.3 50.7	63.4 65.2 73.7 72.4 74.3	75.8 48.2 59.5 64.0 58.8	80.3 80.4 84.6 84.8 86.1
1890	43.4 41.4	93.2 93.9 88.8 90.9 87.5	36.4 35.2 32.2 29.7 29.7	82.2 83.0 81.3 85.8 84.5	49.0 48.4 49.4 43.9 48.2	123.7 112.4 108.4 118.9 87.3	49.6 43.1 45.8 44.8 45.7	113.3 131.6 110.1 97.6 107.4	49.7 47.3 47.6 50.5 43.7	75.3 72.5 69.5 71.8 73.1	71.6 64.7 64.8 61.7 57.9	86.4 87.6 85.1 87.5 87.4
1885	35.6 35.1 35.9 37.0 33.1	87.7 95.4 101.8 108.3 107.7	25.3 23.4 23.1 23.0 21.5	84.6 91.9 96.9 104.5 99.3	46.9 46.1 45.0 46.1 42.9	88.3 95.5 94.6 105.2 112.4	43.8 42.4 38.9 37.7 82.4	105.0 116.6 145.8 159.6 157.6	37.0 36.0 41.0 43.8 38.4	71.8 80.1 80.8 84.9 83.8	48.0 51.5 54.0 59.1 51.3	90.7 96.1 101.6 103.6 103.2
1880 1879	32.8 26.7	113.1 102.4	22.9 17.9	104.2 95.0	36.8 38.8	123.3 114.3	31.5 28.4	158.7 132.4	41.4 28.9	91.1 78.0	52.8 37.4	105.4 102.8

Series U 249-263. Value of Exports and Imports, by Broad End-Use Class: 1923 to 1970 [In millions of dollars]

				Ехро	orts							Imports			
Year	Total 1	Foods, feeds, and beverages	Industrial supplies and materials	Capital goods, except auto- motive	Auto- motive vehicles, parts, and engines	Consumer goods (nonfood), except auto- motive	Special category, domestic (military- type goods)	Exports, n.e.c., and reexports	Total 12	Foods, feeds, and beverages	Industrial supplies and materials ¹	Capital goods, except auto- motive	Auto- motive vehicles, parts, and engines	Consumer goods (nonfood), except auto- motive	Imports, n.e.c. 28
	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263
1970 1969 1968 1967 1966	43,224 37,988 34,636 31,622 30,430	5,839 4,687 4,813 4,998 5,489	13,782 11,758 11,006 9,971 9,613	14,871 12,822 11,072 9,913 8,892	3,652 3,888 3,453 2,784 2,354	2,718 2,596 2,334 2,111 2,035	1,859 1,650 1,110 1,103 1,249	1,503 1,089 849 743 798	39,952 36,052 33,226 26,889 25,618	6,154 5,239 5,271 4,586 4,499	15,106 14,163 14,159 11,856 12,162	3,783 3,331 2,825 2,382 2,136	5,956 5,346 4,295 2,634 1,910	7,553 6,503 5,330 4,213 3,912	1,399 1,469 1,347 1,219 1,000
1965 1964 1963 1962 1961	27,521 26,650 23,387 21,714 21,037	4,928 4,849 4,282 3,829 3,418	8,917 9,185 7,822 7,132 7,705	8,039 7,463 6,604 6,443 5,910	1,929 1,729 1,468 1,301 1,188	1,799 1,751 1,558 1,455 1,441	1,229 951 1,025 971 826	680 723 629 583 549	21,520 18,749 17,205 16,458 14,759	3,946 3,915 3,753 3,573 3,331	11,024 9,563 8,874 8,573 7,714	1,458 1,039 823 758 693	939 767 586 521 383	3,305 2,694 2,389 2,276 1,889	849 771 781 752 749
1960 1959 1958 1957 1956	20,600 17,642 17,912 20,859 19,096	3,170 2,871 2,590 2,781 2,807	7,924 6,146 6,436 8,669 7,383	5,511 4,617 4,752 4,487 3,834	1,266 1,187 1,123 1,349 1,395	1,396 1,371 1,314 1,336 1,246	840 967 1,149 1,861 2,074	493 484 548 377 357	15,072 15,688 13,419 18,412 12,902	3,286 3,445 3,472 3,306 3,190	7,887 8,343 6,944 7,595 7,674	562 591 460 400 364	633 844 555 339 145	1,901 1,632 1,195 1,210 1,133	802 834 793 562 396
1955 1954 1958 1952 1951	15,553 15,112 15,775 15,203 15,038	2,119 1,713 1,838 2,201 2,433	6,065 5,479 4,826 5,553 6,190	3,071 2,919 2,929 2,812 2,526	1,276 1,072 998 1,024 1,218	1,134 1,097 1,086 1,015 1,111	1,592 2,549 3,801 2,274 1,269	297 282 299 323 291	11,562 10,369 10,983 10,817 11,068	3,108 3,317 3,282 3,156 3,087	6,848 5,764 6,456 6,537 6,952	254 220 224 227 170	85 53 53 56 38	991 787 757 663 666	280 228 211 178 156
1950 1949 1948 1947 1946	10,277 12,053 12,654 15,359	1,482 2,335 2,659 3,178 2,206	4,358 4,877 4,865 5,997 3,864	2,144 2,562 2,626 3,199 1,660	746 772 939 1,153 556	850 923 1,033 1,333 1,084	445 311 254 175 99	253 274 278 324 301	8,954 6,706 7,207 5,829 5,003	2,642 2,068 1,986 1,673 1,328	5,493 4,011 4,508 3,626 3,065	111 106 103 55 32	23 13 35 6 5	540 404 434 375 492	145 104 141 94 82
1940 1939 1938 1937 1936	4,021 3,177 3,094 3,349 2,456	246 321 433 283 203	2,045 1,670 1,560 1,899 1,424	954 583 528 509 342	259 260 277 354 246	234 219 202 217 182	169 54 37 22 14	114 70 58 66 45	2,625 2,318 1,960 3,084 2,423	556 600 566 844 728	1,778 1,431 1,150 1,856 1,443	9 13 16 23 17	1 1 2 1 1	166 198 186 255 215	115 75 40 105 19
1935 1934 1933 1932 1931	1.674	216 224 204 243 374	1,372 1,308 1,105 996 1,321	265 218 134 131 326	232 192 92 78 152	145 127 96 102 176	10 12 6 5	44 53 38 55 71	2,047 1,655 1,450 1,333 2,091	635 514 403 404 523	1,183 938 861 742 1,268	14 11 7 8 14	(Z) (Z) (Z) (Z)	182 155 141 142 239	33 42 38 37 46
1930	5,240 5 128	542 753 762 883 835	2,111 2,827 2,879 2,685 2,784	547 657 543 478 445	284 547 509 397 328	255 343 308 287 289	7 8 6 5 6	96 104 122 130 122	3,061 4,399 4,091 4,185 4,431	684 955 951 950 953	1,943 2,837 2,618 2,727 2,979	29 39 27 24 23	2 3 3 2 2	347 516 446 439 433	56 49 46 48 41
1925 1924 1928		890	2,854	415	324 	287	5 	135	4,227 3,610 3,792	918 942 891	2,855 2,245 2,468	16 14 17	1 1 1	394 369 364	43 39 51

Z. Less than \$500,000.

¹ Beginning 1946, includes exports and imports of silver ore and bullion.

² To achieve time series comparability, adjustments have been made to the census data for 1946-1959 to include U.S. Government imports of uranium ores, concentrates, and oxides which are excluded from Census data for these years.

² For 1933-1940, includes differences between total imports, which are on a "general imports" basis, and the sum total of the commodity categories, which are on an "imports for consumption" basis.

⁴ For 1946, excludes an estimated \$499 million of civilian supplies, mainly foodstuffs, shipped to occupied areas. Beginning 1947, similar civilian supply shipments are included.

Series U 264-273. Value of Merchandise Exports and Imports, by Groups of Customs Districts: 1860 to 1970 [In millions of dollars. Exports include reexports; general imports through 1933; thereafter, imports for consumption. For years ending June 30, 1860-1915; thereafter, calendar years]

	Atlanti	c coast	Gulf	coast	Mexical	ı border	Pacific	coast	Norther	border
Year	Exports 1	Imports	Exports 1	Imports	Exports 1	Imports	Exports 1	Imports	Exports 1	Imports
	264	265	266	267	268	269	270	271	272	273
1970	16,144	17,335	7,107	3,497	1,287	711	7,119	6,301	9,237	11,579
1969	13,384	15,576	5,525	3,021	1,110	579	6,231	5,518	9,400	10,855
1968	12,798	15,400	5,928	3,055	1,061	493	5,124	4,423	8,074	9,365
1967	11,721	12,941	5,687	2,423	939	382	4,386	3,453	7,223	7,243
1966	11,346	12,961	5,632	2,341	907	403	3,801	3,195	6,883	6,194
1965	10,002	10,954	5,495	2,182	869	304	3,476	2,766	5,958	4,836
	10,281	9,754	5,697	1,993	821	278	3,103	2,435	5,206	3,958
	9,218	9,093	4,552	1,773	639	281	3,036	2,152	4,503	3,525
	8,127	4,057	4,127	1,576	571	256	2,322	2,045	4,063	3,274
	7,897	3,727	2,778	1,413	603	227	2,356	1,764	3,740	2,961
1960	7,594	8,249	4,084	1,559	595	194	2,472	1,799	3,735	2,612
	6,292	8,390	3,262	1,643	545	203	1,630	1,822	3,707	2,707
	6,679	7,171	3,257	1,403	654	216	1,900	1,460	3,228	2,294
	7,759	7,389	3,980	1,336	671	189	2,052	1,446	3,646	2,469
	6,949	7,239	3,165	1,340	629	143	1,789	1,275	3,675	2,423
1955	6,089	6,604	2,343	1,196	509	138	1,417	1,076	2,964	2,228
	5,233	5,917	2,265	1,157	480	111	1,299	926	2,544	2,033
	4,870	6,297	2,014	1,190	485	138	1,132	915	2,732	2,141
	5,260	6,324	2,588	1,217	478	190	1,314	854	2,529	2,059
	6,105	6,525	2,799	1,219	544	109	1,271	903	2,397	1,953
1950 1949 1948 1947 1946	(NA) (NA) (NA) 7,874 5,413	5,310 3,826 4,319 3,570 3,220	(NA) (NA) (NA) (NA) 2,235 1,691	882 765 725 570 4 07	356 360 391 483 405	122 113 114 102 103	(NA) (NA) (NA) 1,071 689	723 549 523 426 267	1,844 1,779 1,752 1,918 1,347	1,622 1,279 1,328 953 787
1945	5,733	2,268	1,150	453	256	117	1,302	233	2 1,212	² 942
	9,255	1,903	1,079	475	240	117	1,819	267	1,615	1,026
	7,744	1,692	1,068	395	185	120	2,377	250	1,538	889
	4,999	1,464	708	360	131	64	785	243	1,431	600
	3,246	2,161	364	227	91	31	376	308	1,032	459
1940	2,374	1,738	522	163	51	13	363	252	694	346
	1,640	1,601	576	157	86	13	390	179	470	301
	1,532	1,371	627	160	80	10	387	151	453	237
	1,680	2,116	662	214	102	11	404	232	483	404
	1,202	1,681	546	163	56	8	275	192	360	350
1935	1,105	1,408	534	153	57	11	280	170	308	273
	1,018	1,158	510	113	48	6	259	123	298	217
	720	1,038	502	101	42	4	198	121	210	177
	665	914	467	94	33	8	203	130	234	168
	1,168	1,461	502	139	48	14	303	195	389	265
1930	1,801	2,041	822	198	102	26	449	343	648	427
	2,424	2,931	1,140	284	116	40	595	524	989	585
	2,290	2,677	1,228	285	95	30	561	505	925	564
	2,297	2,775	1,101	285	77	28	506	511	856	555
	2,309	2,953	1,121	326	73	26	519	546	759	543
1925	2,404	2,839	1,295	300	76	24	427	527	681	507
	2,246	2,358	1,164	282	73	20	447	477	639	442
	2,070	2,534	992	238	60	20	372	481	674	487
	1,938	2,024	914	188	57	11	312	430	610	440
	2,379	1,726	1,077	158	104	10	312	190	615	408
1920	4,905	3,802	1,683	340	84	38	511	391	1,044	666
	5,211	2,630	1,235	220	58	35	599	463	817	529
	3,759	1,830	776	156	48	52	539	569	1,027	403
	4,288	1,798	663	144	48	46	390	539	844	404
	3,826	1,654	624	114	24	43	338	295	670	269
1915 ³ 1914	1,739 1,304 1,349 1,263 1,166	1,213 1,375 1,376 1,268 1,164	508 566 543 464 488	102 120 104 92 82	15 17 25 27 30	21 33 27 23 20	174 136 147 128 94	159 138 129 111 103	332 341 402 322 270	165 205 154 138 138
1910	1,018	1,227	399	69	29	23	73	89	225	129
	977	1,019	410	60	27	16	70	86	179	113
	1,156	907	397	59	33	11	94	82	181	15
	1,080	1,133	469	63	41	18	92	91	199	109
	1,062	975	369	54	35	17	102	66	177	98
1905	917	888	320	48	26	15	103	62	152	90
	897	779	335	44	29	12	66	57	134	84
	904	821	285	38	26	13	79	56	126	82
	895	724	263	31	24	14	88	54	111	68
	1,003	671	285	27	21	10	70	48	108	57

FOREIGN COMMERCE

Series U 264-273. Value of Merchandise Exports and Imports, by Groups of Customs Districts: 1860 to 1970—Con.

[In millions of dollars]

	Atlanti	c coast	Gulf	coast	Mexicar	1 border	Pacific	coast	Northern	n border
Year	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
	264	265	266	267	268	269	270	271	272	273
1900	964 871 862 733 636	693 576 502 639 645	234 194 202 181 131	24 17 13 20 18	22 16 12 14 11	5 5 4 4	70 56 74 59 44	59 46 50 44 49	104 89 81 64 60	60 46 39 50 56
1895 1894 1893 1892 1892	590 670 624 753 637	614 538 717 689 698	122 127 126 175 152	17 21 25 22 23	9 7 12 7 8	2 8 14 13 11	36 35 42 56 53	40 41 48 50 54	50 53 43 40 35	51 42 53 46 50
1890 1889 1888 1887 1886	629 548 523 539 505	654 610 596 578 534	141 108 105 104 105	18 17 14 12 10	6 4 3 3 2	9 8 6 5	45 49 36 41 40	51 51 49 42 39	37 34 29 29 27	50 51 51 47 44
1885 1884 1883 1882 1882	564 543 597 557 687	482 583 625 620 553	98 110 131 94 141	11 13 12 16 17	3 5 5 4	2 2 2 2 3	48 46 53 65 41	36 37 47 42 39	30 37 36 30 31	42 32 37 43 32
1880	651 560 540 479 437	590 385 374 888 391	118 90 110 101 118	13 9 14 12 15	4 3 3 3 3	2 2 2 1 2	39 37 29 35 28	36 30 27 30 29	24 22 27 28 24	28 21 21 20 25
1875	421 463 404 344 323	468 493 551 544 454	100 126 137 119 131	15 17 24 22 22	3 2 3 2 8	2 1 1 1	27 28 27 11 14	25 27 33 28 16	23 30 22 16 20	23 29 32 31 27
1870 1865 1860	293 257 160	371 194 305	146 4 154	17 1 22	2 1	1 1	15 11 5	16 16 7	15 16 14	32 28 19

NA Not available.

¹ For security reasons, effective July 1950, data for certain commodities and Department of Defense controlled cargo are excluded from export figures for individual customs districts, but are included in total export statistics.

Series U 274-294. Exports of Selected U. S. Merchandise: 1790 to 1970
[In millions of dollars and units. For years ending September 30, 1790-1842; June 30, 1843-1915; thereafter, calendar years]

	Total select- ed com-	Cot unm fact		Le toba unm factu	ecco, anu-	Wh	eat	Wheat and wheat	ton	Ani- mal fats	Fruits and	Meat prod-	Naval stores, gums,	Auto- mo- biles, incl. en-	Saw- mill prod-	Other wood manu-	and	Petro- leum and	Iron and steel mill	Ma- chin-	Cop- per and manu-
Year	mod- ities, value 1	Quan- tity (lb.)	Value	Quan- tity (lb.)	Value	Quan- tity (60-lb. bu.)	Value	flour, value	fac- tures, value ⁸	and oils,	nuts,	ucts, value	and	gines	ucts, value ⁸	fac- tures,	lated fuels, value 9	prod- ucts, value	prod- ucts, value	ery, value	fac- tures, value
	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294
				,				SCI	HEDULE	в—ѕітс	CLASSI	FICATIO	ONS								
1970		1,491 1,199 1,935 1,987 1,799	372 280 459 464 432	523	529	641 444 592 642 826	1,012 726 993 1,120 1,396	831 1,101 1,207		493 308 274 338 357	406 370 303 338 340	175 199 162 151 159		3,245 3,514 3,123 2,503 2,154	193 175 151 135 132		962 594 503 483 468	433 454 539	1,188 941 583 539 537	11,685 10,137 8,844 8,280 7,678	282 282 209
1965 1964 1963 1962 1961 1960		1,898 2,621 2,170 1,925 3,196 3,766	682 577 528 875	495 489 459 494	378 409 401 372 390 379	640 756 642 548 659 535	1.362	1,532 1,331		472 414 303 301 272 295	307 295 300 280	162 177 144 138 133 115		1,744 1,749 1,518 1,365 1,188 1,270	119 120 108 91 87 104		477 463 474 376 340 354	461 479 430	664 505 455 454	6,525 5,702 5,447 4,968	228 208 222 271

Includes Omaha beginning April 1, 1945.
 Figures for 6-month period July 1, 1915-Dec. 31, 1915, are as follows (in millions of dollars): Series U 264, 1,304; series U 265, 638; series U 266, 224; series U 367, 44; series U 268, 10; series U 269, 13; series U 270, 97; series U 271, 105; series U 272, 218; and series U 273, 105.

Series U 274-294. Exports of Selected U. S. Merchandise: 1790 to 1970—Con. [In millions of dollars and units]

								[In mill	ions of	dollars	and uni	ts]									
	Total select- ed com-	Cot unm facti	anu-	Le toba unm factu	cco, anu-	Wh	eat	Wheat and wheat	Cot- ton manu-	Ani- mal fats	Fruits and	Meat prod-	Naval stores, gums,	Auto- mo- biles, incl. en-	Saw- mill prod-	Other wood manu-	Coal and re-	Petro- leum and	Iron and steel mill	Ma- chin-	Cop- per and manu-
Year	mod- ities, value 1	Quan- tity (lb.)	Value	Quan- tity (lb.)	Value	Quan- tity (60-lb. bu.)	Value	flour, value	fac- tures, value ³	and oils, value 4	nuts,	ucts, value ⁶	and	gines and parts, value ⁷	ucts, value ⁸	fac- tures, value ⁸	lated fuels,	prod- ucts, value	prod- ucts, value	ery, value	fac- tures, value
	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294
									SCHEDU	LE B CI	ASSIFIC	ATION	i				i	1			7
1962 1961 1960 1959 1958 1957	8,800 9,223 12,285	2,013 2,368 3,648	537 884 988 452 661 1,059	459 494 495 459 881 492	371 390 370 346 279 359	517 629 504 357 330 415	934 1,114 852 613 570 732	1,060 1,227 971 719 686 848	262 272 284 274 280 314	148 181 176 176 151 198	259 238 229 210 367 214	152 148 125 106 83 113	48 53 68 45 36 42	1,087	91 87 104 90 78 89	51 58 44 46	349 362 388 534 846	443 445 479 480 462 994	438 429 610 372 563 1,377	4,497 4,121 3,706 3,682 4,178	230 299
1956	7,845 7,845 8,825 9,415	1,415 2,231 1,497 2,141	729 477 788 521 874 1,146	506 535 450 513 391 518	333 355 303 339 245 325	409 222 192 236 369 423	694 386 350 506 841 887	798 483 427 590 942 997	293 293 317 329 370 478	207 190 181 180 147 214	230 161 171 129 125 108	99 70 61 60 52 60	38 27 25	1,238 1,036 963 987	88 89 70 65 77 96	33 30 29 33	495 312 346 510	766 646 658 692 793 783	101,075 10 818 10 516 10 495 10 621 611	3,057 2,875 3,013 2,868	218
1950 1949 1948 1947 1946 1946 1944 1943 1942 1941	8,789 5,747 4,949 5,398 4,407 3,266	2,708 1,474 1,380 1,999 1,282 531 842 539	1,024 874 511 423 536 279 115 184 99	471 493 415 498 642 470 280 393 237 263	250 252 214 270 350 239 146 170 68	206 340 328 167 187 129 10 12 7	405 835 909 429 391 240 16 16 7	489 1,002 1,393 868 610 330 76 56 28 35	263 366 499 852 375 236 232 192 131	112 135 89 111 95 103 163 144 95 41	100 140 194 199 171 128 126 80 51	43 51 57 129 341 290 535 617 358	42 32 30 48 27 13 14 14 13	930 1,149 549 588 643 279 433	48 60 64 121 50 34 31 26 27	36 68 36 55	308 492 632 316 198 182 172 152	499 562 657 641 436 753 960 517 350 285	472 732 649 824 447 457 551 615 592 501	2,352 1,369 1,191 1,478	114 102 39 55 103
1940	1 268	2,562 2,442 3,223 2,974 3,234 3,149 4,523 4,803	213 243 229 369 361 373 398 345 326	217 327 473 418 407 381 419 420 388 504	44 77 155 134 137 134 125 82 65 110	14 63 87 35 2 (NA) 17 8 55 80	11 37 78 39 2 (NA) 10 5 33 50	33 61 101 64 19 15 27 19 51 84	76 68 57 60 44 39 43 39 46 60	14 23 20 18 16 15 31 40 38 60	36 83 99 82 81 93 74 70 77	22 32 28 25 25 28 35 26 19 36	15 15 12	254 254 270 347 240 227 190 91 76 148	37 41 38 56 45 42 44 33 27	14 13 13	56 67 57 52 57 40	310 385 390 378 265 251 228 201 209 271	516 236 184 300 112 88 89 46 29 63	671 502 486 479 335 265 218 132 131	110 97 87 94 51 49 50 25 21
1930	2,905 3,963 3,861 3,641 3,683 3,707 3,496 3,124 2,711 3,263	3,982 4,579 4,897 4,692 4,384 3,483 2,743	497 771 920 826 814 1,060 951 807 673 534	561 555 575 506 479 468 547 475 431	145 146 154 139 137 153 163 152 146 205	88 90 96 168 138 87 166 99 165 280	88 112 120 240 202 149 237 116 206 433	157 192 194 325 285 234 328 205 292 551	89 135 135 133 129 146 131 136 137	88 124 119 116 135 148 158 158 116	111 137 129 122 112 102 98 69 76 70	66 79 68 71 107 127 121 154 140	23 31 26 34 37 32 25 25 19	279 541 502 389 320 318 210 171 103 84	82 115 113 111 102 103 106 107 70 55	34 33 32 28 30 23	100 110 204 107	495 562 527 487 555 474 444 367 346 401	139 200 180 161 174 144 150 167 136 236	513 604 491 433 398 366 310 281 234 408	105 183 170 150 141 161 157 129 104 98
1920	5,848 5,229 4,155 8,534 2,746 1,804 1,822 1,831 1,633 1,528	3,868 2,118 2,476 3,645 4,404 4.761	1,136 1,137 674 575 545 376 610 547 566 585	447 414	245 260 123 46 63 44 54 49 43	218 148 111 106 154 260 92 92 30 24	597 357 261 246 227 334 88 89 28	821 650 505 384 313 428 142 142 79 71	398 270 179 157 127 70 49 52 51 41	192 326 181 100 85 79 81 89 86	84 126 32 35 37 35 32 37 24	279 698 668 274 198 132 68 68 72 66	35 31 10 14 16 11 20 26 27 25	303 156 101 124 123 70 35 33 26 16	114 80 57 42 35 31 71 78 68	25 25 19 15 25 30 25	120 119 73 58 63 68	593 877 871 275 221 148 162 150 123 105	498 450 632 645 376 85 91 124 102 79	588 362 270 356 278 120 168 195 161 151	142 131 207 363 237 102 151 143 117
1910	1,290 1,255 1,413 1,404 1,247 1,102 1,089 1,044 1,030 1,058	4,448 3,817 4,518 3,634 4,305 3,063	450 417 438 481 401 380 371 316 291 314	353 283 323 332 302 328 305 357 291 307	38 31 34 33 29 30 29 35 27	47 67 100 77 35 4 44 114 155 132	48 68 100 60 29 4 36 88 113 97	95 119 164 122 88 44 105 162 179 166	33 32 25 32 53 50 22 32 32 20	72 87 92 94 92 70 71 72 73 68	19 17 14 18 15 16 21 18 9	62 82 102 108 115 99 101 104 121	20 16 16 13 12 13		54 45 59 45 42 34 28 32	20 19 22 20 20 17 18 19 16	44 40 42 38 31 31 30 23 22 24	107 112 113 94 93 88 88 77 81 78	60 47 58 55 51 45 31 21 26 40	117 99 121 125 108 89 84 76 68 73	89 87 106 97 83 88 58 41 44 45
1900	973 875 874 725 610 586 655 651 797	3,773 3,850 3,104 2,335 3,517 2,683 2,212 2,935	242 210 230 231 190 205 211 189 258 291	335 272 252 (NA) (NA) (NA) 269 248 241 237	29 25 22 (NA) (NA) (NA) 23 22 20 21	102 139 148 80 61 76 88 117 157	73 104 146 60 40 44 59 94 161	141 177 215 116 92 95 129 169 237 106	24 24 17 21 17 14 14 12 13	62 61 55 43 47 48 57 51 49	12 89 86 52 47 2	114 109 104 88 81 81 80 79 83 81	12 10 9 9 7 7 7 8 8	10 10 10 10 5 2 3 3 5	29 24 20 22 17 15 14 15 15	17 14 18 14 12 10 11 9 9	21 14 12 12 11 11 12 10 9	84 62 68 67 65 47 49 5	39 19 11 5 3 3 3	78 61 44 38 29 24 22 21 21	59 36 33 34 22 16 22 9 13
1890	645 576 564 575 518 562 564 659 598 654	2,385 2,264 2,169 2,058 1,892 1,863 2,288 1,740	251 238 223 206 205 202 197 247 200 248	244 212 249 294 282 219 207 236 224 227	21 19 22 26 27 22 18 19 19		45 42 56 91 50 73 75 120 113 168	102 87 111 143 89 125 126 175 149 213	10 10 13 15 14 12 12 13 13	48 36 32 32 27 32 36 35 37	4 5 4 3 3 4 2 3 2	78 59 52 53 54 63 64 61 69 134	7666557875	5322223432	17 16 13 11 11 11 12 13 12	10 10 8 8 8 8 10 11 10	7765455 444	54 52 49 49 52 52 48 46 52	3 2 2 1 1 1 2 1 1	20 16 12 11 10 11 16 17 14	8 10 9 4 6 10 6 2 1

FOREIGN COMMERCE

Series U 274-294. Exports of Selected U. S. Merchandise: 1790 to 1970-Con.

[In millions of dollars and units]

·	Total selected		unmanu- ured		obacco, factured ²	WI	neat		Total selected	Cotton,	unmanu- ured	Leaf to unmanu	obacco, actured ²	Wh	eat
Year	commod- ities, value ¹	Quantity (lb.)	Value	Quantity (lb.)	Value	Quantity (60-lb. bu.)	Value	Year	commod- ities, value 1	Quantity (lb.)	Value	Quantity (lb.)	Value	Quantity (60-lb. bu.)	Value
	274	275	276	277	278	279	280		274	275	276	277	278	279	280
		8	CHEDULE B	CLASSIFICA	ATION-Co	n.					SCHEDULE E	CLASSIFICA	ATION—Co	n.	
1880	600 483 471 409 421	1,822 1,628 1,608 1,445 1,491	212 162 180 171 193	216 322 284 282 218	16 25 25 29 23	153 122 72 40 55	191 131 97 47 68	1835 1834 1833 1832 1831	73 56 42 38 31	387 385 325 322 277	65 49 36 32 25	94 88 83 107 87	8 7 6 6 5	(Z) (Z) (Z) (Z) (Z)	(Z) (Z) (Z) (Z) (Z)
1875 1874 1873 1872 1871	395 475 421 341 358	1,260 1,359 1,200 934 1,463	191 211 227 181 218	224 318 214 235 216	25 30 23 24 20	53 71 39 26 34	60 101 51 39 45	1830 1829 1828 1827 1826	45 32 27 36 30	298 265 211 294 205	30 27 22 29 25	84 77 96 100 64	6 5 5 7 5	(Z) (Z) (Z) (Z) (Z)	(Z) (Z) (Z) (Z) (Z)
1870 1869 1868 1867 1866	359 208 206 229 318	959 644 785 661 651	227 163 153 201 281	186 182 206 185 191	21 21 23 20 29	37 18 16 6 6	47 24 30 8 8	1825 1824 1823 1822 1921 182	43 27 26 30 26	176 142 174 145 125	37 22 20 24 20	76 78 99 83 67	6 5 6 6	(Z) (Z) (Z) (Z) (Z)	(Z) (Z) (Z) (Z) (Z)
1865 1864 1863 1862 1961 1861	154 64 74 56 86	11 9 11 12 11 11 11 5 308	11 7 11 10 11 7 11 1 34	149 110 112 107 161	42 23 20 12 14	10 24 36 37 31	19 31 47 43 38	1820 1819 1818 1817 1816	39 29 41 32 37	128 88 94 86 82	22 21 31 23 24	84 69 84 62 69	8 8 10 9 13	(Z) (Z) (Z) (Z) (Z)	(Z) (Z) (Z) (Z)
1860 1859 1858 1857 1856	270 185 157 174 155	1,768 1,386 1,119 1,048 1,351	192 161 131 132 128	167 199 128 157 117	16 21 17 20 12	4 3 9 15 8	4 3 9 22 15	1815 1814 1813 1812 1811	26 3 2 5 12	83 18 19 29 62	18 3 2 3 10	85 3 5 26 36	(Z) (Z) 2 2	(Z) (Z) (Z) (Z)	
1855	151 116 124 101 122	1,008 988 1,112 1,093 927	88 94 109 88 112	150 126 160 137 96	15 10 11 10 9	1 8 4 3 1	1 12 4 3 1	1810 1809 1808 1807 1806	27 13 3 19 15	93 51 11 64 36	15 9 2 14 8	84 54 10 62 83	5 4 1 5 7	(Z) (Z) (Z) (Z)	
1850 1849 1848 1847 1846	101 74 73 66 53	635 1,027 814 527 548	72 66 62 53 43	146 102 131 136 150	10 6 8 7 8	1 2 2 4 2	1 2 3 6 2	1805 1804 1803 1802 1801	15 14 14 11	38 38 41 28 21	9 8 8 5	71 83 86 78 104	6 6 6	(Z) (Z) (Z) (Z)	
1845 1844 1843 ¹² 1842 1841	59 63 54 59 68	873 664 792 585 530	52 54 49 48 54	147 163 94 159 148	7 8 5 10 13	(Z) 1 (Z) 1	(Z) (Z) 1 1	1800 1799 1798 1797 1796		18 10 9 4 6		79 96 69 58 69		(Z) (Z) (Z) (Z) (Z)	
1840 1839 1838 1837 1836	94 71 69 69 81	744 414 596 444 424	64 61 62 63 71	119 79 111 100 109	10 10 7 6 10	(Z) (Z) (Z) (Z) (Z)	(Z) (Z) (Z) (Z) (Z)	1795 1794 1793 1792 1791 1790		(Z) (Z) (Z) (Z)		61 77 60 112 101 118	3 4	(Z) 1 1 1 1 1	1 1
Year	Wheat and wheat flour, value	Cotton manu- factures, value ³	Meat products, value ⁶	Naval stores, value	Automo- biles, incl. engines and parts, value 7	Other wood manu- factures, value 8	Copper and manu- factures, value	Year	Wheat and wheat flour, value	Cotton manu- factures, value ²	Meat products, value 6	Naval stores, value	Automo- biles, incl. engines and parts, value 7	Other wood manu- factures, value 8	Copper and manu- factures, value
	281	282	285	286	287	289	294		281	282	285	286	287	289	294
		8	CHEDULE B	CLASSIFICA	TION—Cor	1.		· 		8	CHEDULE B	CLASSIFICA	ATION—Coi	1.	
1880 1879 1878 1877 1876	226 160 122 69 93	10 11 11 10 8	114 102 107 101 79	5 4 5 5 4	1 1 2 1 1	15 15 17 20 17	1 3 2 3 3	1870 1865 1860 1855	68 47 20 12 8	4 3 11 6 5	21 35 14 16	(Z) 3 4 3 1	(Z) (Z)	13 18 10 10 5	1 1 2 1 (Z)
1875 1874 1873 1872 1871	83 131 71 57 69	4 3 3 2 4	68 71 71 55 30	5 6 6 3	1 2 2 1 1	17 21 18 15 13	(Z) (Z) (Z) (Z) (Z)	1840 1830 1820 1810	12 6 5 7	4 1		(Z) 1	(Z) (Z) (Z) (Z)	3 2 4	(Z) (Z) (Z) (Z)

NA Not available. Z Less than one-half the unit indicated.

¹ Where both are available, total includes "Wheat and wheat flour, value" but not "Wheat."

² Prior to 1865, quantity in hogsheads. Includes some leaf tobacco which has been partly processed.

³ Includes semimanufactures.

⁴ Includes margarine of vegetable origin since 1948. Excludes inedible fish oils. Excludes lard compounds since 1921; now classified as vegetable cooking fats.

⁵ Includes fruit and nut preparations since 1946.

⁶ 1855–1881, "Meats and meat products"; 1882–1904, "Meats."

^{7 &}quot;Cars, carriages, automobiles, etc.," prior to 1902. Excludes machinery and vehicles manufactured to military specifications beginning July 1949.

* Includes box, crate, and package shooks (except fruit and vegetables) beginning 1949; classified as "Sawmill products" in prior years. Prior to 1881, "Sawmill products" combined with "Other wood manufactures."

9 "(Coal and coke" prior to 1946.

10 Includes a small amount of nonferrous metal articles.

11 No record of cotton exports for southern ports.

12 For 9 months.

Series U 295-316. Imports of Selected Products: 1790 to 1970

[In millions of dollars and units. For years ending September 30, 1790-1842; June 30, 1843-1915; thereafter, calendar years. Last 6 months of 1915 omitted]

		Co	ffee	Т	ea.	Su	gar	Rubber	r, crude	Raw	silk		Wool manu-									
Year	Total select- ed com- modi- ties, value	Quan- tity (lb.)	Value	Quan- tity (lb.)	Value	Quan- tity (lb.)	Value	Quan- tity (lb.)	Value	Quan- tity (lb.)	Value	Wool and mo- hair, value	fac- tures (in- clud- ing rags, noil, waste), value	Iron and steel manu- fac- tures, value	Tin, in- clud- ing ore, value	Cot- ton manu- fac- tures, value 1	Cop- per and manu- fac- tures, value 2	Hides and skins, value	Furs and manu- fac- tures, value ³	Fruits and nuts, value	Forest prod- ucts, value 4	Petro- leum and prod- ucts, value
	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316
									7	SUSA-SI	ITC CLA	SIFICAT	IONS									
1970 1969 1968 1967 1966		2,609 2,676 3,357 2,819 2,919	894 1,140 963	140 156 143	53 53 61 58 57	9,944 9,430	638 640	1,321 1,223 1,026	236 279 192 174 181			116 155 199 168 277		1,952 1,724 1,962 1,289 1,183	190 189 184 167 154		532 486 855 656 611	62 78 61	103 92			2,770 2,560 2,843 2,086 2,127
1965 1964 1963		2,816 3,019 3,152	1,197	134	57 60 58	7,182	442 458 611	1,004	188 206 197			282 263 280		1,140 715 598	104		425 400 331	82	102			2,092 1,907 1,814
										SCHED	ULE A C	LASSIFI	CATION									-
1962 1961	7,099 6,570		989 964				505 458		228 216			209 198	308 251	149 122	117 120	303 217		66 64		220 220		
1960 1959 1958 1957 1956	6.880	3,076 2,668 2,761	1,097 1,171 1,376	110 103 102	48	9,082 9,464 8,273	507 496 520 459 437	1,285 1,063 1,243	322 383 248 349 398	7 4 6	16 25	164	266 234 175 191 196	(NA)		209 155 143	298 246	87 54 49	88 87	195 194	1,676 1,427 1,234	1,535 1,625 1,548
1955 1954 1953 1952 1951	5,747	2,260 2,786 2,681	1,486 1,468	115 108 93	64 62 48 39 41	7,485 7,613 7,667	414 409 426 415 387	284 1,450 1,804	442 262 331 619 807	7 5 8	31 26 34	382	168 128 140 165 152	(NA) (NA) (NA)	179 184 271 298 159	83 80 67	363 433 411	53 74 60	72 73 79	177 188 164	1,141 1,131 1,094	829 762 692
1950 1949 1948 1947 1946	3,796 3,911 3,233	2,924 2,774	796 698 600	95 91 68	45 28	7,457 6,397 8,330	381 372 313 411 196	1,480 1,646 1,587	240 309	3 6 2	15 16	308 209		(NA)	202 212 176 86 69	53 31	203 176	78 108 86	109 165 126	147 161 136	748 862 721	478 416 250
1945 1944 1943 1942 1941	1,722 1,577 1,499	2,608 2,200 1.715	273 205	90 89 50	29	7,728 6,684 3,968	202 212 184 107 117	239 117 620	99 76 33 118 418	(NA) (NA) (NA)	(NA) (NA) (NA) (NA) 62	241 186 296 311 205		(NA) (NA) (NA)	42 47 38 51 177	38 12 12 10 23	166 157 165	61 66 78	91 69	41 35	282 256 268	85 37
1940 1939 1938 1937 1936	1,034	2,014 1,987 1,697	151	98 81 95	18	5,949 6,395	113 125 130 166 158	1,114 917 1,339	318 178 130 248 159	52 55 58	125 121 89 107 102	85 50 23 96 53	18 32	(NA) (NA) (NA)	131 71 45 104 76	31 40 35 57 49	38 53	47 30 71	55 46 86	58 55 67	200 256	45
1935 1934 1933 5 1932 1931	894 820 784	1,524 1,586	137	76 97 95	14 12	5,994 5,669 5,943	118 105	1,036 938 929	119 102 46 33 74	67 74	96 72 103 114 191		20 15 16 13 23	(NA) (NA) (NA)	70 45 51 16 37	32	18	35 46 22	38 28		157 143 149	37 26 61
1930 1929 1928 1927 1926	2,477 2,346 2,430	1,599 1,482 1,457 1,433 1,493	310 264	89 90 89	27 28	9,777 7,737 8,431	209 207 258	1,263 978 955	241 245	75 74	390	83	79	(NA) (NA) (NA)	60 92 87 101 105	69 66	154 98 85	137 151 113	122 138	87 90 85	296 280 285	145 134 115

FOREIGN COMMERCE

Series U 295-316. Imports of Selected Products: 1790 to 1970—Con. [In millions of dollars and units]

		Co	ffee	Т	ea	Su	gar	Rubbei	, crude	Raw	silk		Wool manu-			1			1			
Year	Total select- ed com- modi- ties, value	Quan- tity (lb.)	Value	Quan- tity (lb.)	Value	Quan- tity (lb.)	Value	Quan- tity (lb.)	Value	Quan- tity (lb.)	Value	Wool and mo- hair, value	fac- tures (in- clud- ing rags, noil, waste), value	Iron and steel manu- fac- tures, value	Tin, in- clud- ing ores, value	Cot- ton manu- fac- tures, value 1	Cop- per and manu- fac- tures, value	Hides and skins, value	Furs and manu- fac- tures, value ⁸	Fruits and nuts, value	Forest prod- ucts, value 4	and prod-
	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316
			·						s	CHEDUL	E A CLA	SSIFICA	TION—(Con.								
1925 1924 1923 1922 1921	2,534 2,190 2,302 1,831 1,429	1,284 1,421 1,410 1,246 1,341	286 249 190 161 143	101 93 105 97 76	31 27 30 24 14	9.722	246 364 380 252 285	674	430 174 185 102 74	51 49	396 328 392 366 259	142 93 130 87 60	69 69 59	44 54 48	95 69 63 46 22	91 100 87	96 96 67	75 119 107	88 89 69	72 70 72	248 255 195	103 80 89
1920 1919 1918 1917 1916	3,212 2,309 1,608 1,692 1,373	1,334 1,052 1,287	252 261 99 123 119	90 81 134 127 105	24- 20 30 26 19	7,020 5,167	1,115 393 241 222 227		243 216 146 233 160	45 33 37	180 184	127 217 252 172 126	23 23	27 25 28	63 105 68	53 41 56	86 134 138	307 108 210	76 34 29	79 49 45	130 114 113	33 27 3 22
1915 1914 1913 1912 1911	908 984 913 844 749	1,119 1,002 863 885 876		97 91 95 101 103	18 17 17 18 18	4,533 3,663	166 99 99 104 90	113 110	83 71 90 93 76	26 29 26 22 22	81 98 82 67 73	68 53 36 33 23	16 15	32 34 27	31 39 53 46 38	71 66 65	55 60	117 102	14 24 25	51 41	54 48	15 11 5
1910 1909 1908 1907 1906	823 711 603 755 654	891	68 78	86 115 94 86 94	14 19 16 14 15	3,913 4,184 3,365 4,384 3,970	102 96 80 93 85	88 62 77	101 62 37 59 45	20 23 15 17 15	70	51 45 24 42 39	19 22	22	26 25 38	69 75	40 38 32 48 33	55 83	21	30 37 36	34 32 34	1 1
1905 1904 1903 1902 1901	626 516 535 463 438	995 915 1,091	70 59 71	113 109 76	18 16 9	2,941	53	55 50	30 25	13 14	49 42	46 25 22 18 13	18 20 17	27 52 27	19	50 53 45	22 21 25	52 58 58	15 15 16	24 24 21	19 21 17	3
1900	475 387 343 355 449	832 871	55 65 (NA)	72 (NA)	9 10 (NA)	3,917 2,589 4,720	98 58 94	51 46	32 25 17	10 10		20 9 17 53 32	14 15 49	20 12 13 16 25	97	32 27 35	4 2	42 37 28	11 8	18 15 17	99	
1895 1894 1898 1892 1891	416 386 475 485 483	582 541	87 77 127	94 89 90	14 14	4,286 3,733 3,542	125 115 104		15 18 20		22 16 29 24 18	26 6 21 20 18	19 38 36	21 35 29	9	34 28	1 1 1	26 17 28 27 28	8 11 10	19 24 21	13 18 15	3
1890 1889 1888 1887 1886	440 418 397 392 362		75 61 56	85 90	13 13 17	2,762 2,700 3,186	89 74 78		12 16 14		28 19 19 19 17	15 18 16 16 17	53 48 45	49 49	9	27 29 29	(Z) (Z) (Z)	22 25 24 24 27	7	21 21	12 11 10	
1885 1884 1883 1882 1881	317 376 403 403 320	516 460	50 42 46	73 79	14 17 19		92 90		16 14		12 12 14 13 11	9 12 11 11 10	44 37	40 58 68	6 5	37	(Z) 1	21 22 28 28	8	20	10	3

Series U 295-316. Imports of Selected Products: 1790 to 1970—Con.

[In millions of dollars and units]

	Total selected		Coffee		Tea	_	. Su	gar	ī	Total selected	. Co	ffee		Tea	Su	gar
Year	commod- ities, value	Quan (lb			ntity b.)	Value	Quantity (lb.)	 Value	Year	commod- ities, value	Quantity (lb.)	Value	Quantit	y Value	Quantity (lb.)	Value
[295	29	5 2:	97 2	98	299	300	301		295	296	297	298	299	300	301
			SCHED	ULE A CLAS	SIFICATIO	– on—Cor	n.	_ 				SCHEDUL	E A CLASSIF	ication—C	on.	
1880 1879 1878 1877 1877	341 217 222 239 231	•	147 378 310 332 340	60 47 52 54 57	72 60 65 58 63	20 15 16 16 20	1,830 1,834 1,538 1,654 1,494	80 72 73 85 58	1835 1834 1833 1832 1831	23 21 21 15 12	103 80 100 92 82		11 1 9 1 11 1 9 1	6 5 0	115 5 98	7 6 5 3 5
1875 1874 1873 1872 1871	272 298 344 334 260		318 285 293 299 318	51 55 44 38 31	65 56 65 64 51	23 21 24 23 17	1,797 1,701 1,568 1,509 1,276	73 82 83 81 65	1830 1829 1828 1827 1826	29 11 11 11 13	51 51 55 55 50 37	! 	5 ! 5 !	7 8 6	86 2 63 2 57 2 77 4 85	5 4 4 5 5
1870 1869 1868 1867 1866	205 99 85 69 73	,	235 254 249 187 181	24 25 25 21 21	47 44 38 40 43	14 14 11 12 11	1,197 1,247 1,121 849 998	57 60 49 36 41	1825 1824 1823 1822 1821	13 13 12 13 9	45 39 37 26 21	:	7 6	9 ' 8 7		5 3 5 4
1865 1864 1863 1862 1861	101 57 37 41 59	1	106 132 80 123	11 16 10 14 21	20 37 30 25 26	5 11 8 7 7	651 632 517 557 809	27 30 19 20 31	1819 1818 1817 1816		23 29 31 26	:		7 6 7 3		
1860 1859 1858 1857 1856	170 63 48 71 53	1	202 264 189 241 236	22 25 18 22 22	32 29 33 20 28	9 7 7 6 7	6 94 656 519 776 5 44	31 31 23 43 24	1814 1813 1812 1811 1810				(Z)	13	30 33 33 83 77	
1855	118 36 39 36 31		191 162 199 194 153	17 15 16 14 13	25 24 23 29 17	7 7 8 7 5	474 455 464 457 368	15 14 15 15 18	1809 1808 1807 1806		36 37 59 56			1 5 8 7	77	
1849	87 21 23 23 18]	145 165 151 ! 157	11 9 8 9 8	30 16 24 17 20	5 4 6 4 5	218 259 255 236 128	8 8 9 10 5	1804 1803 1802 1801		53 17 41 57		i	B		
1845	17 21 12 20 22	1	108 161 93 113 115	6 10 6 9 10	20 16 14 16 12	6 4 4 5 3	114 185 71 172 184	5 7 2 6 9	1800 1799 1798 1797 1796		' 30			2	104 88	
1840 1839 1838 1837 1836	47 22 19 22 28	. 1	95 107 88 88 94 	9 10 8 9	20 9 14 17 16	5 2 3 6 5	121 195 154 136 191	6 10 8 7 13	1794 1793 1792 1791 1790		37			3	49 48 24 25 18	
Year	Rubh crud valu	e,	Raw silk, value	Wool and mchair, value	Wo man factu valu	res, f	ron and sel manu- actures, value	Cotton manu- factures, value 1	Year	Rubi erud val:	le, s	aw ilk, ilue	Wool and mohair, value	Wool manu- factures, value	Iron and steel manu- factures, value	Cotton manu- factures, value ¹
·	303	•	3 05	306	30	7	308	310 		30	a_ a	05	306	307	308	310
		. 1	-	DULE A CL	1	٦					ı	1	JLE A CLASS			
1880 1879 1878 1877 1876		10 6 5 6 4	12 8 5 7 5	1	1 5 7 8	34 24 25 26 33	71 20 19 19 23	30 20 19 19 23	1870 1865 1860 1855		3 1 1 2	3	7 8 5 2 2	34 22 43 28 20	40 17 26 29 20	23 9 33 18 21
1875 1874 1873 1872 1871		5 6 7 5 4	5 4 6 6 6	1 2 2 2 1	8 0 5	45 47 51 52 44	31 47 74 68 53	28 28 35 35 30	1840 1830 1820				1	11 6 6	8 6	7 6 8

NA Not available. Z Less than one-half the unit of measure indicated.

1 Includes semimanufactures.

2 Copper including ore and manufactures since 1946.

3 Includes fur hats beginning 1921; formerly classified as miscellaneous textile products.

4 Includes sawmill products, wood pulp, and paper and manufactures.

⁶ Value in millions of dollars for imports for consumption as follows: Series U 302, 19; series U 303, 16; series U 307, 51; series U 308, 31; series U 309, 15; series U 310, 45; series U 313, 37; series U 314, 37; series U 315, 144; series U 316, 26.
⁶ For 9 months.

FOREIGN COMMERCE

Series U 317-334. Value of Exports (Including Reexports) of U.S. Merchandise, by Country of Destination: 1790 to 1970

[In millions of dollars. Figures shown here are mixed values for 1862–1879. For years ending September 30, 1790–1842; June 30, 1843–1915; thereafter, calendar years. Beginning 1961, includes uranium, thorium, and related products. Beginning 1869, includes silver ores, base bullion, and refined bullion]

				Ame	erica					Europe				A	sia		Aus- tralia	
Year	Total value ¹	Total	Can- ada ²	Cuba	Mexico	Brazil	Other	Total	United King- dom	France	Ger- many ³	Other	Total	Main- land China 4	Japan 5	Other	and Oce- ania	Africa
	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334
1970 1969 1968 1967 1966	43,224 38,006 34,636 31,526 30,320	15,612 14,713 13,411 11,883 11,429	9,079 9,137 8,072 7,165 6,661	(Z) (Z) (Z) (Z) (Z)	1,704 1,450 1,378 1,222 1,180	840 672 705 547 575	3,989 3,454 3,257 2,949 3,013	14,817 12,641 11,347 10,297 10,003	2,536 2,335 2,289 1,960 1,787	1.025	2,741 2,142 1,709 1,706 1,674	8,057 6,969 6,254 5,606 5,585	10,027 8,261 7,582 7,146 6,733	(Z) (Z) (Z)	4,652 3,490 2,954 2,695 2,364	5,375 4,771 4,628 4,451 4,369	1,189 998 1,026 1,017 805	1,580 1,392 1,269 1,182 1,349
1965	27,470 26,508 28,347 21,700 20,999	9,908 9,207 7,944 7,724 7,673	5,642 4,915 4,251 4,045 3,826	(Z) (Z) 36 13 14	1,104 1,107 873 821 828	341 402 405 449 545	2,821 2,783 2,379 2,396 2,460	9,364 9,436 8,338 7,758 7,370	1,615 1,532 1,213 1,128 1,206	813	1,343	5,129 5,308 4,730 4,314 4,117	6,012 5,802 5,448 4,676 4,652	(Z) 3 4 23 7	1,844 1,574	3,932 3,790 3,600 3,079 2,808	956 803 565 519 445	1,229 1,259 1,054 1,023 859
1960	20,575 17,634 17,910 20,850 19,090	7,684 7,692 7,999 9,001 8,243	3,810 3,825 3,539 4,041 4,149	225 442 553 628 528	904 917	464 435 567 512 326	2,354 2,235 2,436 2,903 2,380	7,398 5,554 5,566 6,838 6,434	1,487 1,097 905 1,162 982	570 708	'878 887	3,940 3,096 3,204 3,638 3,680	4,186 3,284 3,411 3,961 3,417	- 3 5 9 -	987	2,739 2,202 2,419 2,633 2,419	514 376 282 295 265	793 728 652 755 731
1955	15,547 15,110 15,774 15,201 15,032	6,903 6,520 6,514 6,682 6,607	3,404 2,966 3,197 3,003 2,693	463 439 436 525 548	649 663 683	273 507 379 597 739	2,044 1,959 1,839 1,874 1,897	5,126 5,118 5,711 5,089 5,121	1,006 808 826 787 1,000	783 1,236 1,013	505 363 450	2,977 3,022 3,286 2,839 2,755	2,581 2,577 2,783 2,541 2,410	3 6 - - (Z)		1,895 1,878 2,097 1,908 1,809	295 264 203 267 270	642 630 563 621 624
1950		4,902 4,861 5,307 6,183 3,684	2,039 1,959 1,944 2,114 1,442	464 380 441 492 272	468 522 630	365 383 497 643 356	1,508 1,671 1,903 2,304 1,109	3,306 4,239 4,380 5,269 4,122	548 700 644 1,103 855	591 817	441 822 863 128 83	1,842 2,220 2,282 3,221 2,475	1,539 2,135 2,029 1,835 1,327	37 83 273 353 465	325 60	1,084 1,584 1,431 1,422 760	151 195 153 320 117	376 622 785 821 489
1945 1944 1943 1942 1941	9,806 14,259 12,965 8,079 5,147	2,564 2,627 2,418 2,205 2,047	1,178 1,441 1,444 1,334 994	196 167 134 133 126	264 187 148	219 218 156 105 148	664 537 497 485 620	5,515 9,364 7,633 4,009 1,847	4.505	<u>ī</u>		2,848 4,103 3,128 1,479 208	849 996 838 688 625	108 52 53 80 95	2	740 944 783 608 470	354 410 569 361 123	524 861 1,507 816 504
1940 1939 1938 1937 1936	4,021 3,177 3,094 3,349 2,456	1,501 1,131 1,040 1,158 821	713 489 468 509 384	85 82 76 92 67	83 62 109	111 80 62 69 49	495 397 372 379 245		1,011 505 521 536 440	134 165	(Z) 46 107 126 102	382 557 564 533 372	619 562 517 580 399	78 56 35 50 47	232 240 289	314 274 242 241 148	94 80 94 99 79	161 115 118 152 114
1935 1934 1933 1932 1931	2,283 2,133 1,675 1,611 2,424	706 648 455 462 750	323 302 211 241 396	60 45 25 29 47	55 38 32	44 40 30 29 29	213 206 151 131 226	1,029 950 850 784 1,187		116 122 112	92 109 140 134 166	387 342 276 250 443	378 401 292 292 386	38 69 52 56 98	203 210 143 135 156	137 122 97 101 132	74 57 35 37 42	96 77 43 36 60
1930		1,357 1,934 1,802 1,691 1,620	659 948 915 837 739	94 129 128 155 160	116 109	100 89	434 614 543 501 491	1,838 2,341 2,375 2,314 2,310	847 840	266 241 229	278 410 467 482 364	658 817 820 763 709	448 643 655 560 565	90 124 138 83 110	259 288 258	193 260 229 219 194	108 192 180 194 213	92 131 117 107 101
1925 1924 1923 1922 1921	4,910 4,591 4,167 3,832 4,485	1,541 1,404 1,355 1,142 1,403	577	199 200 192 128 188	135 120 110	65 46 43	461 380 345 284 341	2,604 2,445 2,093 2,083 2,364	882 856	272 267	470 440 317 316 372	820 740 622 644 825	487 515 511 449 533	94 109 109 100 108	267 222	163 153 135 127 187	189 157 146 102 113	89 70 61 56 73
1920 1919 1918 1917 1916	8,228 7,920 6,149 6,234 5,483	1,738 1,628 1,573	734 887 829	227 196	131 98 111	57 66	359 371	4,466 5,188 3,859 4,062 3,813	1,825 2,279 2,061 2,009 1,887	676 893 931 941 861	311 93 (Z) 2	867 1 112	872 772 498 469 388	53 40	274 186	348 300 171 243 247	172 126 105 77 83	166 98 59 51 54
1915	2,769 2,365 2,466 2,204 2,049	576 654 763 648 566	301 345 415 329 270	71 62	39 54 53	26 30 43 35 27	180	1,971 1,486 1,479 1,342 1,308	1 554	160 146 135	332 307	336	139 141 140 141 105	25 21 24	51 58 53	82 65 61 64 49	53 56 54 48 46	29 24 24
1910	1,745 1,663 1,861 1,881 1,744	409 432	216 163 167 183 157	47 49	50 56 66	18 19 19	120 115		608	109 116 114	235 277 257	319	78 83 113 101 111	19 22 26	27 41 39	50 36	34 30 35 33 30	
1905	1,519 1,461 1,420 1,382 1,488	286 256 242	131 123 110	27	46 42 40	11 11 10	71 58 55	1,008	537 524 549	77	194 173	234 214	135 65 62 69 53	13 19 25	25 21 21	30 27 22 23 24	27 28 33 29 31	19 24 38 33 26
1900 1899 1898 1897 1896	1,227 1,231 1,051	194 174 159	84 65	19 10	3 23	12 12 13 12 14	50	1,040 937 974 813 673	512 541 483	61 95	156	183	45 39	14 10 12	17	24 18 15 14 11	41 29 22 23 17	19 19 18 17 14

Series U 317-334. Value of Exports (Including Reexports) of U.S. Merchandise, by Country of Destination: 1790 to 1970—Con.

[In millions of dollars]

				Ame	erica					Europe	,			Aı	sia		Aus- tralia	
Year	Total value 1	Total	Can- ada ²	Cuba	Mexico	Brazil	Other	Total	United King- dom	France	Ger- many ⁸	Other	Total	Main- land Cbina 4	Japan ⁵	Other	and Oce- ania	Africa
	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334
1895	808 892 848 1,030 884	143 153 152 139 131	53 57 47 43 38	13 20 24 18 12	13 20 14	15 14 12 14 14	47 49 49 50 52	628 701 662 851 705	499	45 55 47 99 61	92 84 106	110 147	18 22 17 20 26	4	4 3 3	12 10 10	11 16	6 5 5 5
1890	858 742 696 716 680	133 125 110 104 98	40 41 36 35 33	13 12 10 11 10	10 8	12 9 7 8 7	55 52 47 42 40	684 579 549 575 541	366	50 46 39 57 42	68 56 59	82 92 93	20 19 20 20 23	6 5	5 4 3	8 11 11	16 15 14	5 4 3 3
1885 1884 1883 1882 1881	742 741 824 751 902	104 123 129 113 108	38 44 44 37 38	9 11 15 12 11	17 15	7 9 9 9	42 46 44 40 39	599 584 660 600 766	386 425 408	47 51 59 50 94	61 66 54 70	92 86 110 88 121	21 17 17 19 13	5 4 6	3 3 3	9 10 10	14 13	4 3 4 6 5
1880	836 712 710 645 610	93 91 100 99 96	29 30 37 37 33	11 18 12 13 13	7 7 6 6	9 8 9 8 7	36 33 35 35 37	719 594 584 525 497	349 387 346 336		57 55 58 51	76 70	12 12 12 10 8	3	2 1 1	6 6 7	10 9 8 5	
1875 1874 1873 1872 1871	574 651 594 492 493	100 110 102 89 89	35 42 33 29 32	15 17 16 14 15	6 6 8	8 8 7 6		459 528 479 393 394	265 273	34 31 27	63 62 41 35	77 66 56 59	7 5 4 3	1 3 2	1	3 3 3	5 4 4	3 2 8
1870 1869 1868 1868 1867	471 382 383 398 479	79 74 81 77 80	25 23 24 21 24	14 12 15 14 15	5 6 5 5	6 6 5 6	l	381 291 287 307 386	185 198 225 288	33 26 34 51	38 31 22 22	32 26 25	4 7 6 5	3	1 1 1 1	1 1	5 6 6 6 7	8 2
1865 1864 1863 1862 1861	281 235 268 193 220	110 92 83 57 61	29 27 28 21 23	19 6 13 6 14 6 9 10	9 9 2 2	6 5 4 5	27 21 21	158 138 173 127 147	86 108	11 13 14 20 15	14 10 11	17 11 13	4 4 5 8 6	7	(Z) (Z) (Z) (Z)	(Z) (Z) (Z) (Z) (Z)	7 1 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	[] •
1860 1859 1858 1858 1857	293 272 294 281	70 62 64 66	28 28 24 24 29	12 12 11 9 7	3 3 4 4	6 5 5 5	i	249 210 199 218 204	129 135 128	39 30 28 32 35	15 12 15 13	32 30 36 28	8 6 5 4 3	6 4 3	(Z) (Z) (Z)	(Z) (Z) (Z) (Z) (Z)	876	
1855 1854 1853 1853 1852	219 237 203 167 189	62 60 43 34 39	28 24 12 10 12	8 8 6 6 5	3 4 2 2	4 4 4 3 3	19 21 17 13 17	148 170 151 124 146	108 81 101	29 25 22 19 21	7 6 6	19 19 18 18	3 2 4 3 2		(Z)		5	
1850 1849 1848 1848 1847	144 140 138 157 110	30 29 35 31 31	10 8 8 7 7	5 5 7 6 5	1	3 3 3 8	10 11 13 14 14	109 107 99 128 76	78 67 87 46	19 14	3 4 5 5	13 13 12 11	33322	2			1	
1845 1844 1843 7 1842 1841	106 106 83 100 112	28 16 27 30	66366 66366	3	1 2 2	3 2 3 3	\	76 63 72 80	41 40 47	12 13 12 17 18 20	4 4 5 5	10 6 10 10	3 2 3 2 2	2 2 1 1] 	
1840	112 105 111 124	24 23 24 26	4 2 3 3	6 6 6	3 2 4 6	2 2 2 2 2	9 11 9 9	86 80 86 96	57 52 52 58	18 15 19 21	3 3 4 4	8 10 11 13	1 1 2 2	2 2 1			i i 1	
1835 1834 1833 1832 1831	115 102 88 82 72	30 27 29 26 26 26	334333	5 5 5 5 5	5 5 3 6	2 2 3 2 2	11 12 12 13 10	83 74 57 55 45 48	44 32 29 31	19 15 14 12 6	5 3 4 3	10 8 10 5	1 2 1 2	1				
1830 1829 1828 1827 1826	67 64 74 78	21 23 21 30	2 2 2 2 3	5 6 6	2 3 4 6	2 2	10 10 7 14	45 39 49 42	24 20 26 21	10 9 11 11	3 3 3 2	7 9 8	1 2 2 1	3				
1825 1824 1823 1822 1821	69 68 61 55	28 22 20	2 2 2			2 2 1 1 1	14 18 14 14 8	40 44 40	21 22 24	10 10 9 6 6	2 3 3	7 10 7 9	1 2 1 2 2	5 5 6				

FOREIGN COMMERCE

Series U 317-334. Value of Exports (Including Reexports) of U.S. Merchandise, by Country of Destination: 1790 to 1970—Con.

[In millions of dollars]

				Europe							Europe							Europe		
Year	Total value	Total	United King- dom		Ger- many	Other	Year	Total value	Total	United King- dom	France	Ger- many ²	Other	Year	Total value	Total	United King- dom	France	Ger- many ³	Other
	317	324	325	326	327	328		317	324	325	326	327	328		317	324	325	326	327	328
1820	70 70 98 88 82 53 7 28 39 61	48 47 68 58 59 38 1 22 27 40	24 24 38 33 30 18 	8 9 12 9 10 7 (Z) 4 3 2	3 4 3 4 2 (Z)	13 10 15 13 15 11 11 18 18 24	1810 1809 1808 1807 1806 1805 1804 1803 1802 1801	67 52 22 108 102 96 78 56 72 93	47 34 7 71 65 61 51 37 44 59	12 6 3 23 16 15 13 18 16 31	(Z) 3 13 11 13 9 4 8 4	2 2 (Z) 3 6 4 6 4 6 11	33 26 1 32 32 29 23 11 14 13	1800 1799 1798 1797 1796 1796 1794 1793 1792 1791 1790	71 79 61 51 59 48 33 26 21 19	41 45 39 29 39 31 21 15 12 10	19 19 12 6 17 6 6 6 5 7	(Z) 1 4 3 8 1 2 2 1 1	8 18 15 10 10 10 5 2 1 (Z)	14 8 11 9 9 7 9 5 4 3 5

the U.S. traded with British North American Provinces the following amounts: Exports, \$34.6 million and imports, \$37.6 million. Beginning 1950, includes Newfoundland and Labrador.

3 Prior to January 1952, East and West Germany; thereafter, only West Germany.

4 Figures in italics include gold and silver.

5 Beginning 1954, excludes Ryukyu Islands. No records available prior to 1855.

6 Includes Puerto Rico.

7 For 9 months.

Series U 335-352. Value of General Imports, by Country of Origin: 1790 to 1970

[In millions of dollars. Totals shown here in mixed values. For years ending September 30, 1790–1842; June 30, 1843–1915; thereafter, calendar years. Beginning 1961, includes uranium, thorium, and related products]

				Am	erica					Europe				A	sia		Aus- tralia	
Year	Total value ¹	Total	Can- ada ²	Cuba	Mexico	Brazil	Other	Total	United King- dom	France	Ger- many ³	Other	Total	Main- land China 4	Japan 5	Other	and Oce- ania	Africa
	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352
1970 1969 1968 1967 1966	39,952 36,043 33,226 26,812 25,542	15,547 14,148 11,741	11,092 10,384 9,005 7,107 6,125	(Z) (Z) (Z) (Z) (Z)	1,219 1,029 910 749 750	670 617 670 559 600	3,947 3,517 3,563 3,326 3,354	11,395 10,334 10,337 8,227 7,857	2,194 2,120 2,058 1,710 1,786	942 842 842 690 698	2,603 2,721 1,955	5,132 4,769 4,716 3,872 3,577	9,621 8,274 6,911 5,348 5,276	(Z) (Z) (Z) (Z) (Z)	5,875 4,888 4,054 2,999 2,963	3,746 3,386 2,857 2,349 2,313	871 828 696 581 593	1,122 906
1965	21,364 18,684 17,138 16,380 14,714	9,203 8,390 7,850 7,591 6,995	4,833 4,239 3,829 3,660 3,270	(Z) (Z) (Z) 7 35	638 643 594 578 538	512 535 562 541 562	3,220 2,973 2,865 2,805 2,590	6,292 5,307 4,811 4,621 4,141	1,405 1,143 1,079 1,005 898	615 495 431 428 435	1,171 1,003 962	2,931 2,498 2,298 2,226 1,952	4,528 3,620 3,192 2,960 2,583	(Z) (Z) (Z) (Z) (Z)	2,414 1,768 1,498 1,358 1,055	2,114 1,852 1,694 1,602 1,528	453 440 502 440 320	917 777 754
1960	15,207 12,792 12,982	6,864 7,071 6,703 7,048 6,856	2,901 3,042 2,674 2,907 2,894	357 475 524 482 457	454	570 628 565 700 745	2,593 2,491 2,486 2,529 2,359	4,268 4,607 3,340 3,147 2,963	993 1,137 864 766 726	396 462 308 256 236	920 629	1,982 2,088 1,539 1,518 1,507	2,721 2,603 1,983 1,985 1,996	(Z) (Z) (Z) (Z) (Z)	1,149 1,029 666 601 558	1,572 1,574 1,317 1,384 1,438	266 338 208 216 203	534 589 557 587 597
1955	11,384 10,215 10,873 10,717 10,967	6,262 5,896 6,117 6,025 5,826	2,653 2,377 2,462 2,386 2,275	422 401 431 440 418	328 355	633 682 768 808 911	2,157 2,108 2,101 1,981 1,896	2,453 2,083 2,335 2,029 2,119	616 501 546 485 466	202 157 186 167 263	366 278 277 212 233	1,269 1,147 1,326 1,165 1,157	1,876 1,467 1,626 1,813 1,983	(Z) (Z) 1 28 45	432 279 262 229 205	1,444 1,188 1,363 1,556 1,733	174 165 201 243 451	619 605 593 607 589
1950	8,852 6,622 7,124 5,756 4,942	5,063 3,995 4,099 3,398 2,762	1,960 1,551 1,593 1,127 883	406 388 375 510 324	243 246	715 552 514 446 408	1,667 1,261 1,371 1,068 915	1,449 981 1,171 877 804	335 228 290 205 158	132 61 73 47 63	104 45 32 6 8	878 647 776 619 580	1,638 1,184 1,296 998 887	146 106 120 117 93	182 82 63 35 81	1,310 996 1,113 846 713	208 125 164 156 183	494 338 394 327 306
1945 1944 1943 1942 1941	4,159 3,929 3,381 2,756 3,345	2,874 2,965 2,458 1,762 1,657	1,125 1,260 1,024 717 554	337 387 292 161 181	231 204 192 124 98	311 293 228 165 184	870 821 722 595 640	409 289 240 220 281	90 84 105 134 136	(Z) (Z) 1 5	(Z) (Z) (Z) (Z) 3	305 205 135 85 137	407 322 235 340 1,088	6 11 12 16 87	(Z) (Z) (Z) (Z) 78	401 311 223 324 923	171 130 245 231 159	297 222 204 204 161
1940	2,625 2,318 1,960 3,084 2,423	1,089 898 753 1,113 910	424 340 260 398 376	105 105 106 148 127		105 107 98 121 102	379 290 240 386 256	390 617 567 843 718	155 149 118 203 200	37 62 54 76 65	5 52 65 92 80	193 354 330 472 373	981 700 570 967 708	93 62 47 104 74	158 161 127 204 172	730 477 396 659 462	35 27 16 68 36	131 77 55 92 51

Represents zero. Z Less than \$500,000.
 For security reasons, exports of special category commodities are excluded from totals for certain countries. Beginning 1950, exports reflect declassification of special category data authorized July 28, 1965 and January 5, 1968, and relaxation of security restrictions as authorized July 17, 1969.
 Prior to 1873, data are for trade with British North American Provinces which is a somewhat larger area than the Dominion of Canada. In the year ending June 30, 1873,

Series U 335-352. Value of General Imports, by Country of Origin: 1790 to 1970—Con.
[In millions of dollars]

				Am	erica					Europe				As	sia		Aus- tralia	
Year	Total value	Total	Can- ada ²	Cuba	Mexico	Brazil	Other	Total	United King- dom	France	Ger- many ³	Other	Total	Main- land China 4	Japan 5	Other	and Oce- ania	Africa
	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352
1935	2,047 1,655 1,450 1,323 2,091	776 628 520 539 824	286 232 185 174 266	104 79 58 58 90	42 36 31 37 48	100 91 83 82 110	244 190 163 188 310	599 490 463 390 641	155 115 111 75 135	58 61 50 45 79	78 69 78 74 127	308 245 224 196 300	605 489 425 362 574	64 44 38 26 67	153 119 128 134 206	388 326 259 202 301	26 15 13 8 19	42 33 28 24 33
1930	3,061 4,399 4,091 4,185 4,431	1,195 1,621 1,530 1,504 1,580	402 503 489 475 476	122 207 203 257 251	80 118 125 138 169	131 208 221 203 235	460 585 492 431 449	911 1,334 1,249 1,265 1,278	210 330 349 358 383	114 171 159 168 152	177 255 222 201 198	538	854 1,279 1,169 1,268 1,409	101 166 140 152 143	384 402	474 681 645 714 865	33 57 53 55 68	68 109 90 93 96
1925 1924 1923 1922 1921	4,227 3,610 3,792 3,113 2,509	1,499 1,461 1,469 1,181 1,051	454 399 416 864 385	262 362 376 268 230	179 167 140 132 119	222 179 143 120 96	382 354 394 297 271	1,239 1,096 1,157 991 765	413 366 404 357 239	157 148 150 143 142	117	505 443 442 374 304	1,319 931 1,020 827 618	169 118 188 135 101	340 347 354	766 473 485 338 266	78 49 59 49 35	87 65
1920	5,278 3,904 3,031 2,952 2,392	2,424 1,844 1,585 1,471 1,086	612 495 452 414 237	722 419 279 249 244	179 149 159 130 105	228 234 98 145 132	683 547 597 533 368	1,228 751 318 551 633	149 280	166 124 60 99 109	(Z) (Z)	109 172	1,397 1,108 939 821 551	193 154 111 125 80	410 302	544 526 442	80 89 103 37 60	150 112 86 73 62
1915	1,674 1,894 1,813 1,653 1,527	734 650 580 549 488	160 161 121 109 101	186 181 126 120 110	78 93 78 66 57	99 101 120 124 101	211 164 135 130 119	614 896 893 820 768	294 296 273	77 141 137 125 115		190 271 271 251 229	272 305 298 249 231	40 39 89 30 34	107 92 81	138	29 24 17 13 13	27
1910 1909 1908 1907 1906	1,557 1,312 1,194 1,434 1,227	503 418 364 424 375	95 79 75 78 68	123 97 83 97 85	59 48 47 57 51	108 98 75 98 80	118 96 84 99 91	806 654 608 747 633	246	132 108 102 128 108	169 144 143 162 135	234 193 178 211 180	210 207 191 224 192	30 29 26 33 29	70 68 69 53	108 97	20 18 15 18 12	15 16 21
1905	1,118 991 1,026 903 823	378 319 297 271 255	62 52 55 48 42	86 77 63 35 43	46 44 41 40 29	100 76 67 79 71	84 70 71 69 70	541 499 547 475 430	166 190 166	90 81 90 83 75	118 109 120 102 100	157 143 147 124 112	175 156 159 136 122	28 29 27 21 18	29	80 88 77 75	13 8 10 8 7	9 18 13
1900 1899 1898 1897 1896	850 697 616 765 780	224 199 183 213 236	39 31 32 40 41	31 25 15 18 40		58 58 62 69 71	67 62 55 67 67	441 354 306 430 419	118 109 168	73 62 53 68 66	97 84 70 111 94	111 90 74 83 89	146 112 96 92 95	27 19 20 20 22	27 25 24	48	29 23 23 20 20	11 10 7 10 11
1895	732 655 866 827 845	246 267 286 325 282	37 31 38 35 39	53 76 79 78 62	16 29 34 28 27	79 79 76 119 83	61 52 59 65 71	384 295 458 392 459	107 183 156	62 48 76 69 77	81 69 96 83 97	82 71 103 84 90	84 75 99 89 79	21 17 21 20 19	27 24	39 39 51 45 41	13 14 17 17 20	6 3 6 5 4
1890	789 745 724 692 635	238 243 224 211 191	39 43 43 38 37	54 52 49 50 51		59 60 54 53 42	63 67 61 55 50	450 403 407 391 358	178 178 165	78 70 71 68 63	78 81	80 77	81 76 73 72 69	16 17 17 19 19	17 19 17	36	17 19 16 15 14	3 4
1885	578 668 723 725 643	183 212 222 238 215	37 38 44 51 38	42 57 66 70 63	9 8 8	50 44 49 53	50 58 60 60 53	319 371 410 398 341	163 189 196	98	56	72 66 57	61 68 73 73 74	20 20 22	11 15 14 14	41 38 39 38		4 5 5 5
1880	668 446 437 451 461	212 172 176 182 170	33 26 25 24 29	56	5555	52 39 43 43 45	55 38 43 44 35	371 216 204 214 232	107 114 123	69 51 43 48 51	35 33 35	19 19 23	74 52 51 49 53	22 16 16 11 12	14 15	28 24 26	4 4 8	2 2 2 2
1875 1874 1873 1872 1871	533 567 642 627 520	191 209 204 191 170	28 34 37 36 33	65 85 77 67 58	4 4	42 44 39 30 31	51 42 47 54 45	281 302 361 365 297	180 237 249	60 52 34 43 28	44 61 46	26 29 27	52 50 66 60 48	13 18 26 27 20	6 8 7	83	5 3 5 5 1	5 6

Series U 335-352. Value of General Imports, by Country of Origin: 1790 to 1970—Con. [In millions of dollars]

					Ame	erica	i				Europe				A	sia.		Aus- tralia	
Year	Tot val		Total	Can- ada ²	Cuba	Mexico	Brazil	Other	Total	United King- dom	France	Ger- many ⁸	Other	Total	Main- land China 4	Japan	5 Other	and Oce- ania	Africa
	33	5	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352
1870		436 418 357 396 435	153 147 130 111 132	36 29 26 28 49	57 5 50 5 38	2 2 1	25 25 24 19 17	35 34 28 28 26	241 235 196 245 266	132 172	30 25 29	25 22 27	19 21 17 17 15	37 31 28 30 23	15 13 11 12 10	1	3 19 3 15 2 15 3 15 2 11		2 3 2 3 1 2 7 3 4 3
1865 1864 1863 1862 1861		239 316 243 189 289	71 69	38 86 17 19 28	33 7 21 9 21	6 3 1	10 14 11 13 18	19 15	109 179 148 105 166	142 113 75	11 11 8	13 14	7 12 11 8 14	13 19 20 13 26	5 10 11 7 11	(Z) (Z) (Z)	8 9 9 6 15		1 3 6 4 2 3
1860		354 331 263 348 310	116	24 19 10 22 21	33 5 23 2 45	1 1 1	21 22 17 21 19	27	217 201 153 205 199	127	41 33 46	18 14 15		29 25 28 25 23	8	(Z) (Z) (Z)	15 14 17 17 13		4 3 3 2 2
1855		258 298 264 207 211	72 55 54	,	5 18 9 17 7 19 5 18 5 17	1 1 1	15 14 15 12 12	18	165 204 190 134 148	146 130 89	36 33 25	17 14 8	14 5 18 12 14	21 20 17 18 12	11 11				2 2 2 1 2
1850		174 141 149 1 22 118	31 33 30		10 10 10 11 11 12 1	(Z) 1	9 8 8 7 7	10	124 100 103 83 80	58 60 48	24 28 24	8 6 4	13 10 9 7 8	11 9 12 8 10	6 8 6				1 1 1 1
1845		113 103 42 96 123	28 16 26	(Z)	1 6 1 10 4 1 7 1 11	1 1	6 7 4 6 6	9 7 11	78 67 20 61 83	45 41 12 34 46	17 5 17	2 1 2	9 7 2 8 11	10 8 6 9 7	5 4 5				(Z) (Z) 1 (Z) (Z)
1840 1839 1838 1837 1836		98 156 96 130 177	35 26 28		1 9 2 12 1 11 2 11 2 13	1 1	5 5 3 5 7	15 10 9	62 114 62 86 128	65 36 45	32 16 21	5 3 6	7 14	10 6 7 14 13	4 5 9		•		1 1 2 1
1835		137 109 101 95 96	26 27 22		1 11 1 8 1 10 1 7	1	6 5 5 4 2	11 10 9	99 71 63 63 68	41 38 37	15 13 12	1 3	13 12 10 11 6	9	8 5				1 1 (Z) 1
1830 1829 1828 1827 1826		63 67 81 71 78	17 20 19	(Z) (Z) (Z) (Z)	5 5 6 7 7	1 1	2 2 3 2 2	9 10 9	40 44 54 48 46	25 33 30	998	3 2	9 8	5 6 7 4 11	5 5 4				(Z) (Z) (Z) (Z)
1825 1824 1823 1822 1821		90 72 72 80 55	22 18 19	(Z) (Z) (Z) (Z)	77 77 75		2 2 1 1 1	11 13 10 11 9	59 44 43 51 35	28 28 35	6	2 2 2	8 7 7 8 6	10 6 11 9 5	6 7 5			ı	(Z) (Z) (Z) 1 (Z)
Year	Total, value		Year		Total, value		l'ear	Tota valu		Year	-	Total, value	Y	ear	Tota valu		Year		Total, value
	335	L			335			33	5			335	<u> </u>		335				335
1820 1819 1818 1817 1816	74 87 122 99 147		1815 1814 1813 1812 1811		113 13 22 77 58	1809. 1808. 1807.		-	59 1 57 1 139 1	805 804 803 802 801		121 85 65 76 111	1799 1798 1797			79 1 69 1 75 1 81 1	795 794 793 792 791 790		70 35 31 32 29 23

Z Less than \$500,000.

Beginning 1962, includes data on imports from countries which could not be identified because of illegible reporting on import entries for low valued shipments not included in the detail figures.

Prior to 1873, data are for trade with British North American Provinces which is a somewhat larger area than the Dominion of Canada. In the year ending June 30, 1873, the U.S. traded with British North American Provinces the following amounts: Exports,

^{\$34.6} million and imports, \$37.6 million. Beginning 1947, includes Newfoundland and Labrador.

³ Prior to January 1952, East and West Germany; thereafter, only West Germany.

⁴ Figures in italics include gold and silver.

⁵ Beginning 1954, excludes Ryukyu Islands. No records available prior to 1855.

⁶ Agrees with source; however, figures for components do not add to total shown.

⁷ For 9 months.

Business Enterprise

Business Population (Series V 1-107)

V 1-107. General note.

Statistics on the total number and the size distribution of business firms must be used with caution. No governmental process records all firms, and an entirely satisfactory definition of a firm seems impossible. The boundary between self-employment and conduct of a business firm is hazy at best. In addition, there are problems of inactive or partly (e.g., seasonally) inactive firms, joint ventures, partial interests, ownership of multiple firms by individuals and families, etc. Moreover, the characteristic which causes an enterprise to be counted as, for example, a corporation, an employer subject to social security, or an operator of an establishment requiring a sanitary or safety license, varies with laws creating these categories and with degree of thoroughness of administration of these laws.

These difficulties are compounded when an attempt is made to group firms into industrial categories, because industry boundaries must be arbitrary, and the assignment of a firm on one side of the boundary or another may be based on a 50-percent rule or on some convention lacking analytic justification. Or the activity may not fit well into any recognized category.

The statistical importance of these problems is great because of the unusual size distribution of the business population, which contains a large number of very small firms, and a minute proportion of larger firms accounting for a substantial or even predominant fraction of total activity. Many small firms are on the boundary line between recognition and nonrecognition (enumeration or non-enumeration), so that a slight difference in method or source, particularly one of which the statistician is unaware, may generate considerable but spurious change or absence of change in the total number of firms. If, however, the object of estimation is not number of firms but total activity, the radically unequal size distribution becomes a great advantage because it permits more efficient sample design at lower cost.

The number and percentage of business firms, therefore, must be used with a realization that the meaning of a business firm is not always certain and that the figures are subject to considerable error. The most meaningful statistics of the business population are those which are based on some consistent criterion or definition over a period of years. The business population studies of the U.S. Bureau of Economic Analysis may be said to have inaugurated the publication of such satisfactory statistics.

The record of one particular year's activity is in effect a single observation out of the infinite number which might be generated by the structural condition which is the object of measurement. Strikes, accidents, and cyclical fluctuations, with highly unequal impact upon various branches of industry, cause a divergence of the actual year's activity from the theoretically true or representative (average) year. Furthermore, if the incidence of mergers (series V 38-39) is substantial, a given year may be the peak or trough of a short-run change in concentration. Moreover, concentration measures may be strongly affected by the arbitrary nature of industry subdivisions, changes in industry classification between census years, and turnover of companies among those designated as the largest.

V 1-12. Proprietorships, partnerships, and corporations—Number, receipts, and profit, 1939-1970.

Source: U.S. Internal Revenue Service. Statistics of Income, Business Income Tax Returns, 1965 and 1968 issues; Statistics of

Income, Individual Income Tax Returns and Statistics of Income, Corporation Income Tax Returns, various issues; and unpublished data.

Proprietorships, partnerships, and corporations encompass virtually all American businesses except those reported to the Internal Revenue Service by fiduciary agents of estates and trusts and the business activities of "exempt" organizations.

"Proprietor" applies to anyone with income from a single-owner business who had specified minimums of self-employment income or gross income during the year. (For historical details, see Statistics of Income, Individual Income Tax Returns, 1965, p. 206.) Thus, the proprietorship data cover the farmers, businessmen, and professionals who are in business for themselves on a full-time or part-time basis. Generally, a proprietor corresponds to a "self-employed" person, other than partners. However, some types of persons defined as self-employed in the Internal Revenue Code are not considered as businessmen in the tax returns report. The most important of these are clergymen and public officials, such as sheriffs, notaries public, etc. Often, classification of a person as a proprietor depended entirely on how he reported his income.

"Partnership" applies to any group of two or more persons conducting a business for profit unless it is specifically classified as a corporation for tax purposes.

"Corporation" includes most businesses incorporated under State law and, in addition, many unincorporated associations, such as mutual insurance societies, savings and loan associations, and real estate investment trusts.

V 1, V 4, V 7, and V 10, number of business organizations. Represents the number of active businesses operated as proprietorships by individuals, the number of active partnerships, and, for corporations, the number of active corporation tax returns filed, including those for small business corporations. The total number of corporations is slightly understated to the extent that subsidiary corporations are included in a consolidated return filed by a parent corporation.

V 5-6, business receipts and net profit (less loss) for proprietorships. In general, series V 5 represents gross receipts from sales and operations reduced by the cost of returned goods and allowances. Receipts include incidental income from such things as sale of scrap or cash rebates. Dividends, interest, rents, royalties, and other investment-type income are generally excluded, although rents or interest that represent income from business operations are sometimes included (e.g. rents received by real estate operators and interest received by small loan companies). Series V 6 represents the difference between business receipts and the sum of cost of goods sold and other business deductions. It does not reflect investment income; and salaries to owners and contributions or gifts are not allowed as deductions from proprietorship business receipts.

V 8-9, total receipts and net profit (less loss) for partnerships. Series V 8 represents the sum of business receipts (the income from the partnership's principal business activity), investment income such as interest, rents, royalties, nonqualifying dividends, net gain from sale or exchange of noncapital assets, income from farms and other partnerships, and other income. Total receipts do not reflect net losses from the foregoing sources.

Series V 9 represents the difference between total receipts and the sum of cost of sales and operations and other business deductions. The deductions for partnerships exclude both contributions or gifts and additional first-year depreciation.

The term "net profit" is used for both proprietorships and partnerships although it is not strictly comparable for the two forms of business organization. Three differences are (1) investment income is reflected in the partnership, but not in the proprietorship, net profit, (2) salaries paid to the owner(s) are a business deduction for partnerships but not for proprietorships, and (3) additional first-year depreciation is a deduction in the computation of proprietorship, but not partnership, net profit.

V 11-12, total receipts and net profit (less loss) for corporations. Series V 11 includes the gross taxable receipts (i.e., business receipts, taxable investment, income, and certain foreign income) before deduction of cost of sales and operations and net losses from sales of noncapital assets. It also includes nontaxable interest, but excludes all other nontaxable income recognized by the corporation.

The source refers to series V 12 as "net income (or deficit)." It is defined as the difference between gross taxable receipts and the sum of cost of sales and operations and other business deductions allowable for tax purposes. The concept of net income for corporations is not strictly comparable with the concept of net profit for proprietorships and partnerships.

V 13-19. Number of firms in operation, by major industry group, 1929-1963.

Source: U.S. Bureau of Economic Analysis (formerly Office of Business Economics). 1929-1939, Survey of Current Business, January 1954, p. 12; 1940-1950, unpublished data; 1951-1958, Survey of Current Business, May 1959, p. 18; 1959-1963, Survey of Current Business, June 1963, p. 2.

These estimates are based primarily on data from the Bureau of Old-Age and Survivors Insurance and the Internal Revenue Service, and are revised from time to time by the Bureau of Economic Analysis (BEA), formerly the Office of Business Economics. The last substantial revision was made in January 1963 and revealed errors in the earlier estimates for absolute number and rate of growth; these errors were due partly to the cumulative effect of imperfect estimates for discontinued businesses. BEA defines a firm as a business organization under one management; it may include one or more plants or outlets. A self-employed person is considered a firm only if he has either one or more employees or has an established place of busi-Concerns owned or controlled by the same interests are not combined. Agriculture and professional services are excluded. A firm conducting more than one kind of business is classified by industry according to the major activity of the firm as a whole. Revisions of the Standard Industrial Classification (see Bureau of the Budget, Standard Industrial Classification Manual, 1963) have, therefore, affected the industrial distribution of firms.

V 20-30. Business formation and business failures, 1857-1970.

Source: Series V 20 and V 23-30, Dun & Bradstreet, Inc., 1857-1919, Dun & Bradstreet Reference Book and Failure Statistics (a printed mail folder distributed by Dun & Bradstreet); 1920-1970, The Failure Record Through 1971, and unpublished data. Series V 21-22, U.S. Bureau of Economic Analysis. Series V 21, 1971 Business Statistics, p. 37; series V 22, Business Conditions Digest, June 1971, series B 12.

V 20, total concerns in business. This series represents the number of business enterprises listed in the Reference Book. The figures are for conterminous United States (i.e., excluding Alaska and Hawaii) and represent listings in the books published nearest to July 1 of each year. The listings include types of business which are seekers of commercial credit in the accepted sense of the term; namely, manufacturers, wholesalers, retailers, building contractors, and certain types of commercial service, including public utilities, water carriers, motor carriers, and airlines. Specific types of business not covered are finance, insurance, and real estate companies; railroads; terminals; amusements; and many small one-man services. Neither professions nor farmers are included.

V 21, new business incorporations. This series represents the total number of stock corporations issued charters under the general

business corporation laws of the various States and the District of Columbia. The statistics include completely new businesses that have incorporated, existing businesses changed from the noncorporate to the corporate form of organization, existing corporations given certificates of authority to operate also in another State, and existing corporations transferred to a new State. Data for incorporations in the District of Columbia are included beginning January 1963.

V 22, index of net business formation. This series is compiled from monthly national data on number of new business incorporations, number of business failures, and confidential data on telephones installed. These components are adjusted for seasonal variation and number of trading days before being combined into the index.

V 23-26, business failure rate and business failures. The failure rate is obtained by dividing total failures by the total number of industrial and commercial enterprises listed in the Dun & Bradstreet Reference Book. Failures are defined as concerns involved in court procedures or voluntary actions, probably ending in loss to creditors. These include, but are not limited to, discontinuances following assignment or attachment of goods, bankruptcy petitions, foreclosure, etc.; voluntary withdrawals with known loss to creditors; enterprises involved in court action such as receivership; businesses making voluntary arrangements with creditors out of court; and since June 1934 (enactment of the Bankruptcy Act), reorganization which may or may not lead to discontinuance.

V 27-30, liabilities. Average liability per failure is obtained by dividing total liabilities by total concerns. Liabilities represent primarily current indebtedness, including accounts and notes payable on secured or unsecured obligations held by banks, officers, affiliates, suppliers, or government at all levels. Beginning in 1933, certain types of enterprises characterized by heavy deferred obligations were eliminated from the data, thus conferring a slight downward bias in average liability figures as compared with earlier years. These series have undergone two revisions. In 1933, they were revised to exclude real estate and finance companies. This revision brought the failure record more nearly in accordance with type of concerns covered by series V 20. In 1939, the series were revised to include voluntary discontinuances with loss to creditors, and small concerns forced out of business with insufficient assets to cover all claims.

V 31-37. Number of new, discontinued, and transferred businesses, by major industry group, 1940-1962.

Source: See source for series V 13-19.

New businesses include only firms which have been newly established. Discontinued businesses include closures of all kinds without reference to the reason for going out of business. A firm which is maintained as a business entity but undergoes a change of ownership is counted as a transferred business, not as a discontinuance. Partnerships in which a member is added or dropped, corporations that are reorganized or reincorporated, and businesses sold or otherwise acquired by new owners or changed in legal form of organization (such as partnership to corporation) are considered transfers. Note should be taken of the large differences between figures for failures in series V 24 and those for discontinued businesses in series V 31.

V 38-40. Recorded mergers in manufacturing and mining, 1895-1970.

Source: 1895-1918, Ralph L. Nelson, Merger Movements in American Industry, table 14, p. 37, Princeton University Press, 1959 (copyright, National Bureau of Economic Research, New York); 1919-1930, Carl Eis, The 1919-1930 Merger Movement in American Industry, table 1 (reprinted from The Journal of Law and Economics, vol. XII (2), October 1969, The University of Chicago (copyright)); U.S. Federal Trade Commission, 1919-1955, Report on Corporate Mergers and Acquisitions, 1955; 1956-1970, Current Trends in Merger Activity, 1970.

Methods of estimation of the Nelson figures are explained in chapters II and III of his book; the basic source of the figures is chiefly the Commercial and Financial Chronicle. The Eis figures

are an extension of the same series, using essentially the same source material.

Federal Trade Commission (FTC) estimates include mergers reported by Moody's Investors Service, Inc., and Standard and Poor's Corporation. For 1919–1939, the estimates were first made by Willard L. Thorp in various publications, and then continued by the FTC. For complete sources and related data, see the FTC reports cited above.

The annual totals of reported mergers are only a small fraction of all "transferred businesses," as shown in series V 31-37. Series V 38-39 are essentially a count of all mergers and acquisitions involving corporations with widely held or publicly traded securities outstanding. There are two offsetting biases of uncertain amount: Mergers may be announced but not actually consummated; small acquisitions by registered manufacturing companies may be consummated without announcement in the sources used.

The FTC series and the Nelson-Eis series use different sources, each of which changes in degree of coverage over time, and are not comparable. The FTC estimates include a more complete recording of smaller mergers, so that average capitalization or assets per merger would on this account tend to decrease, and total assets to increase. However, value data are not available for this series because the FTC does not collect such data for concerns with assets of less than \$10 million. Such concerns represented 93 percent of the 1,351 concerns acquired in 1970.

V 41-53. Number of corporations, by industrial division, 1916-1970.

Source: 1916-1933, U.S. Bureau of Internal Revenue, Statistics of Income, various annual issues; 1934-1970, U.S. Internal Revenue Service, Statistics of Income, Corporation Income Tax Returns, various annual issues

After 1925, trade is divided into wholesale trade, retail trade, and trade not allocable. The latter, series V 48, varies widely owing to changes in inclusion. The joint figure of wholesale and retail trade for 1916 is not comparable with figures for subsequent years because the "merchandising companies" group was not as inclusive as the "wholesale trade" and "retail trade" groups. This is reflected in the very large figure for all other active corporations. The same is true of "finance, insurance, and real estate" (series V 50) for 1916, then labeled "banks and insurance companies."

V 54-65. Percent of total corporate net income reported by small and large corporations (with net income only), 1918-1939.

Source: U.S. Office of Business Economics, Survey of Current Business, March 1944, p. 11.

The data are based on a special tabulation of corporate income tax records by the then Bureau of Internal Revenue. See general note for series V 1-107.

V 66-77. Income of unincorporated enterprises, by industry, 1929-1970.

Source: U.S. Bureau of Economic Analysis (formerly Office of Business Economics). 1929-1963, The National Income and Product Accounts of the United States, 1929-1965; 1964-1967, U.S. National Income and Product Accounts, 1964-67; 1968-1970, Survey of Current Business, July 1972. Table 6.8.

These series measure the earnings of unincorporated business—sole proprietorships, partnerships, and producers' cooperatives—from their current business operations, other than the supplementary income of individuals derived from renting property. Capital gains and losses are excluded, and no deduction is made for depletion.

Estimation in this field has generally required laborious piecing together and adjustment of various types of data from numerous sources. The estimates rely heavily on tax-return tabulations of the incomes of sole proprietorships and partnerships prepared by the Internal Revenue Service.

For a general summary of estimation sources and methods, see Office of Business Economics, National Income, 1954 edition, p. 76 ff.

V 78-107. Manufacturing and trade—sales and inventories, 1948-1970.

Source: U.S. Bureau of Economic Analysis (formerly Office of Business Economics), 1971 Business Statistics, pp. 23-25.

V 78-87, sales. These are estimated aggregate dollar values for the year. "Sales" means essentially billings or shipments for manufacturing and sales or shipments for retail and wholesale trade. In wholesale trade, however, some respondents probably report orders (bookings) as sales.

V 79-81, sales, manufacturing. As used here, "sales" represents manufacturers' receipts, billings, or the value of products shipped, less discounts, returns, and allowances, and exclude freight charges and excise taxes. Shipments for export as well as for domestic use are included. Shipments by foreign subsidiaries are excluded, but those to a foreign subsidiary by a domestic firm are included. The shipments figures from the Bureau of the Census, Annual Survey of Manufactures, to which these series are benchmarked, include interplant transfers as well as commercial sales. The figures include adjustments for trading-day and calendar-month variations.

V 82-84, sales, retail trade. The definition of sales of retail stores is in accordance with the 1963 Census of Business. Sales are total receipts from customers after deductions of refunds and allowances for merchandise returned by customers, and include receipts from repairs and from other services to customers, sales for resale, and sales and excise taxes. The data represent total sales and receipts of all establishments engaged primarily in retail trade; they do not include sales at retail by manufacturers, wholesalers, service establishments, or other businesses whose primary activity is not retail trade. The breakdown into durable goods stores and nondurable goods stores is based on the durability of the commodities accounting for the major portion of the sales of each kind-of-business group.

Retail sales estimates are developed as direct measures from a sample representing all sizes of stores, firms, or organizations, and all kinds of retail business throughout the country. Because the estimates obtained are based on a sample, the results are not expected to be in exact agreement with those that would be obtained from a complete census of retail stores in which the same enumeration procedure would be used. For details concerning the sample, see 1971 Business Statistics, blue pp. 58-59.

V 85-87, sales, merchant wholesalers. See text for series T 375-383.

V 89-91, inventories, manufacturing. Inventory data are book values of stocks on hand at the end of the period, and include materials and supplies, goods in process, and finished goods. Inventories associated with the nonmanufacturing activities of the company are excluded. Manufacturers' inventories are generally valued at the lower of cost or market price while retail and wholesale inventories are valued at cost of merchandise on hand. About one-fifth of manufacturers' inventories are valued on a last-in-first-out basis (see general note for series V 108-305) which is much less prevalent in trade although it is used extensively by department stores. Changes in the book value of inventories reflect movements of replacement costs as well as changes in physical volume.

V 92-94, inventories, retail trade. These data represent estimated book values of nationwide retailers' inventories, valued at the cost of merchandise on hand. Data for Alaska and Hawaii are included beginning 1946.

The breakdown into durable and nondurable inventories is based on the durability of the commodities accounting for the major portion of the retailers' sales. Thus, nondurable items carried by the retailers dealing primarily in durable goods would be reported in durable goods inventories.

V 95-97, inventories, merchant wholesalers. See the text for series T 375-383.

V 98-107, inventory-sales ratios. See the text for stock-sales ratios, series T 375-383.

BUSINESS POPULATION

Series V 1-12. Proprietorships, Partnerships, and Corporations—Number, Receipts, and Profit: 1939 to 1970
[Number in thousands; money figures in billions of dollars. Based on sample of unaudited tax returns filed for accounting periods ending between July 1 of year shown and June 30 of following year]

	Total 1	ousiness ent	erprises	P	roprietorshi	ps		Partnerships	3	,	Corporation	S
Year	Number	Receipts	Net profit (less loss)	Number	Business receipts	Net profit (less loss)	Number	Total receipts	Net profit (less loss)	Number	Total receipts	Net profit (less loss)
	1	2	3	4	5	6	7	8	9	10	11	12
1970 1969 1968 1968 1967	12,000 12,008 11,672 11,566 11,479	2,082 2,001 1,813 1,666 1,594	109 124 129 119 121	9,399 9,429 9,212 9,126 9,087	238 234 222 211 207	33 34 32 30 30	936 920 918 906 923	93 87 83 80 80	10 10 11 11 11 10	1,665 1,659 1,542 1,534 1,469	1,751 1,680 1,508 1,375 1,307	66 80 86 78 81
1965 1964 1963 1962 1961	11,417 11,489 11,383 11,383 11,371	1,469 1,351 1,264 1,201 1,119	112 97 87 83 78	9,078 9,193 9,136 9,183 9,242	199 189 182 178 171	28 26 24 24 23	914 922 924 932 989	75 75 78 74 75	10 9 9 9	1,424 1,374 1,323 1,268 1,190	1,195 1,087 1,009 949 873	74 62 54 50 46
1960	11,171 11,166 10,744 10,648 (NA)	1,094 1,071 (NA) (NA) (NA)	73 78 69 73 (NA)	9,090 9,142 8,800 8,738 8,973	171 176 163 163 (NA)	21 22 21 20 21	941 949 954 971 (NA)	74 78 78 82 (NA)	8 9 9 9 (NA)	1,141 1,074 990 940 886	849 817 735 720 680	44 47 89 44 47
1955	(NA) (NA) 9,371 (NA) (NA)	(NA) (NA) 783 (NA) (NA)	(NA) (NA) 64 (NA) (NA)	8,239 7,786 7,715 6,873 7,340	139 (NA) 144 (NA) 132	18 17 17 16 17	(NA) (NA) 959 (NA) (NA)	(NA) (NA) 79 (NA) (NA)	(NA) (NA) 8 (NA) (NA)	807 723 698 672 652	642 555 558 581 517	47 36 39 38 44
1950	(NA) (NA) (NA) 8,065 (NA)	(NA) (NA) (NA) 530 (NA)	(NA) (NA) (NA) 54 (NA)	6,865 6,901 7,208 6,624 6,944	(NA) 110 (NA) 101 (NA)	15 14 17 15 15	(NA) (NA) (NA) 889 (NA)	(NA) (NA) (NA) 60 (NA)	(NA) (NA) (NA) 8 (NA)	629 615 594 552 491	458 393 411 368 289	43 28 34 31 25
1945. 1944 1948. 1942.	6,788 (NA) (NA) (NA) (NA)	382 (NA) (NA) (NA) (NA)	(NA) (NA) (NA) (NA) (NA)	5,689 6,134 5,121 (NA) 3,169	79 66 58 (NA) 38	12 12 11 9 6	627 (NA) (NA) (NA) (NA)	47 (NA) (NA) (NA) (NA)	(NA) (NA) (NA) (NA) (NA)	421 412 421 443 469	255 262 250 218 190	21 26 28 23 16
1940 1939	(NA) 1.793	(NA) 172	(NA) 12	2,018 1,052	31 24	4 3	(NA) 271	(NA) 13	(NA) 2	473 470	148 133	9 7

NA Not available.

Series V 13-19. Number of Firms in Operation, by Major Industry Group: 1929 to 1963
[In thousands. Annual averages, 1929-1939; thereafter, as of January 1]

Year	All	Contract	Manufac-	Wholesale	Retail	Service	All
	industries	construction	turing	trade	trade	industries	other 1
	13	14	15	16	17	18	19
1963	4,797	470	313	332	2,032	942	708
	4,755	473	317	327	2,022	918	698
	4,713	477	322	322	2,011	895	686
1960	4,658	476	323	317	1,997	872	674
	4,583	464	323	312	1,977	848	658
	4,533	466	329	309	1,955	828	647
	4,471	465	332	304	1,926	810	634
	4,381	452	327	297	1,903	790	612
1955	4,287	430	326	292	1,874	773	592
	4,240	417	331	288	1,861	760	582
	4,188	405	331	283	1,846	750	573
	4,118	387	328	276	1,831	740	557
	4,067	377	323	269	1,821	733	545
1950	4,009	353	318	263	1,802	736	536
1949	3,984	339	322	260	1,783	739	541
1948	3,873	310	316	254	1,730	728	535
1947	3,651	268	302	243	1,627	686	523
1946	3,242	199	264	209	1,458	614	498
1945	2,995	160	253	186	1,356	567	472
	2,839	147	246	170	1,291	536	449
	3,030	164	243	182	1,401	579	461
	3,295	187	241	201	1,561	620	485
	3,276	194	230	190	1,561	615	486
1940	3,319	202	222	184	1,580	639	492
1989	3,222	199	221	176	1,535	615	476
1938	3,074	193	202	167	1,452	605	455
1937	3,136	199	214	171	1,469	631	452
1936	3,070	192	211	165	1,430	629	443
1935 1934 1933 1932	2,992 2,884 2,782 2,828 2,916	180 180 185 202 219	205 188 167 166 195	157 152 142 142 144	1,387 1,337 1,291 1,302 1,317	616 592 575 588 592	447 435 422 428 449
1930	2,994	230	228	147	1,326	599	464
	3,029	234	257	148	1,327	591	472

¹ Mining and quarrying; transportation, communication, and other public utilities; and finance, insurance, and real estate.

BUSINESS ENTERPRISE

Series V 20-30. Business Formation and Business Failures: 1857 to 1970

							Business	failures ¹		<u>-</u>	
	Total	New business	Index of net			Number of failu	res		Current	liabilities	
Year	concerns in business (1,000)	incorpora-		Business failure rate 2	Total	Liability	size class	Total	Liability (mil.		Average liability
						Under \$100,000	\$100,000 and over	(mil. dol.)	Under \$100,000	\$100,000 and over	per failure (\$1,000)
	20	21	22	23	24	25	26	27	28	29	30
1970	2,444 2,481 2,519 2,520 2,527 2,524 2,544 2,589	274, 267 283, 688 206, 569 200, 010 203, 897 197, 724 186, 404 182, 057	7 116.: 109.: 100.: 98.: 7 98.: 97.: 4 93.: 7 90.:	2 37 8 39 1 49 2 52 5 58 3 56 7 61	9,15, 9,68, 12,36, 13,06, 13,51, 3,13,50, 3,13,50, 3,13,50,	7,192 7,829 10,144 1 10,833 4 11,340 1 11,346 12,192 2 13,772	2,729 1,962 1,807 2,220 2,228 2,174 2,155 2,182 2,010 2,069	1,888 1,142 941 1,265 1,386 1,322 1,329 1,353 1,214	269 231 241 298 322 322 314 321 347 370	1,618 911 700 967 1,064 1,000 1,016 1,032 867 720	175.6 124.8 97.7 102.3 106.3 97.8 98.5 94.1 76.9 63.8
1960	2,708 2,675 2,652 2,629 2,632 - 2,632 2,667 2,637	193,067 150,781 187,112 141,163 189,916 117,411 102.706	96. 89. 90. 8 95. 6 98. 91. 6 94.	7 52 4 56 8 52 9 45 9 42 8 42 8 42 1 25	2 14,05 14,96 2 13,73 12,68 10,96 2 11,08	3 12,707 4 13,499 9 12,547 6 11,615 9 10,118 10,226 8,075 1 7,081	1,795 1,346 1,465 1,192 1,071 856 860 787 530 432	989 693 728 615 563 449 463 894 283 260	827 279 298 267 240 206 211 168 182	611 414 431 848 323 243 251 227 151	60.8 49.3 48.7 44.8 44.4 41.0 41.7 44.5 37.2 32.2
1950	2,679 2,550 2,405 2,142 1,909 1,809 2,029 2,152	85,640 96,846 112,897 132,916	87.112.	9 34 55 20 14	9,24 5,25 4 8,47 5 1,12 6 80 7 1,22 6 3,22 9,40	6 8,708 0 4,853 9 1,003 9 759 2 1,176 1 3,155 5 9,282	416 538 397 371 126 50 46 66 123 163	248 308 235 205 67 30 32 45 101	151 161 94 64 16 11 15 30 80	97 147 141 52 19 17 15 21	27.1 33.3 44.7 58.9 59.7 37.4 25.9 14.1 10.7 11.5
1940	2,116 2,102 2,057 2,010 1,983 1,961 2,077			61 48 65 100 154	14,76 12,83 9,49 8 9,60 2 12,24 1 12,09 0 19,85 4 31.82	8 14,541 6 12,558 9,203 7 9,285 4 11,691 11,421 9 18,880 2 (NA)	219 227 283 287 322 558 670 979 (NA)	167 183 247 183 203 311 334 458 928 736	120 183 140 102 (NA) (NA) (NA) (NA) (NA) (NA)	47 50 106 81 (NA) (NA) (NA) (NA) (NA) (NA)	12.2 12.4 19.2 19.3 21.1 25.4 27.6 23.0 29.2 26.0
1980	2,215 2,199 2,172 2,158 2,113 2,143 1,996			100 100	22,90 23,84 5 23,14 1 21,77 0 21,21 0 20,61 3 18,71 0 23,67	9 22,165 2	(NA) 744	668 483 490 520 409 444 543 539 624 627		(NA) 222	25.4 21.1 20.5 22.5 18.8 20.9 26.4 28.8 26.4 31.9
	-	·.	Business	failures ¹					Business	failures 1	
	Total concerns			Current l	iabilities		Total concerns			Current	liabilities
Year	in business (1,000)	Business failure rate ²	Number of failures	Total (mil. dol.)	Average liability per failure (\$1,000)	Year	in business (1,000)	Business failure rate ?	Number of failures	Total (mil. dol.)	Average liability per failure (\$1,000)
	20	23	24	27	30		20	23	24	27	30
1920 1919 1918 1917 1916 1915 1914 1918 1912 1911	1,821 1,711 1,708 1,708 1,708 1,675 1,675 1,655 1,617 1,564 1,525	48 37 59 80 100 133 118 98 100 88	8,881 6,451 9,982 13,855 16,993 22,156 18,280 16,037 15,452 13,441	295 113 163 182 196 302 358 273 203 191	33.2 17.6 16.3 13.2 11.5 13.6 19.6 17.0 13.1	1900	1,174 1,148 1,106 1,059 1,152 1,209 1,114 1,193 1,173	92 82 111 125 133 112 123 130 89	10,774 9,337 12,186 13,351 15,088 13,197 13,885 16,242 10,344 12,273	138 91 131 154 226 173 173 347 114	12.9 9.7 10.7 11.6 15.0 13.1 12.5 22.8 11.0
1910	1,515 1,486 1,448 1,418 1,393 1,357 1,320 1,281 1,253 1,219	84 87 108 83 77 85 92 94 93	12,652 12,924 15,690 11,725 10,682 11,520 12,199 12,069 11,615 11,002	202 154 222 197 119 103 144 155 117	15.9 11.9 14.2 16.8 11.2 8.9 11.8 12.9 10.1	1890	1,111 1,051 1,047 994 970 920 905 864 822 782	99 103 103 97 101 116 121 106 82	10,907 10,882 10,679 9,634 9,834 10,637 10,968 9,184 6,738 5,582	190 149 124 168 115 134 226 173 102	17.4 13.7 11.6 17.4 11.7 20.6 18.8 15.1 14.5

Series V 20-30. Business Formation and Business Failures: 1857 to 1970—Con.

			Business	failures 1					Business	failures 1	
	Total concerns			Current l	iabilities		Total concerns			Current l	iabilities
Year	in business (1,000)	ncerns business failure rate 2 Numb of failure 2 20 23 24	Number of failures	Total (mil. dol.)	Average liability per failure (\$1,000)	Year	in business (1,000)	Business failure rate ²	Number of failures	Total (mil. dol.)	Average liability per failure (\$1,000)
	20	23	24	27	30		20	23	24	27	30
1880	747 702 661 637 639 603 559 494 500 457	63 95 158 139 142 128 104 105 81	4,735 6,658 10,478 8,872 9,092 7,740 5,830 5,183 4,069 2,915	66 98 234 191 191 201 155 229 121 85	13.9 14.7 22.4 21.5 21.0 26.6 44.1 29.8 29.2	1868	(NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	(NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	2,608 2,780 1,505 530 520 495 1,652 6,993 3,676	64 97 54 18 9 8 23 207	24.4 34.8 35.7 33.3 16.5 16.0 14.0 29.6
1870 1869	427 (NA)	(NA) 83	3,546 2,799	88 75	24.9 26.8	1859 1858 1857	230 (NA) 204	170	3,913 4,225 4,932	64 96 292	16.5 22.7 59.2

NA Not available.

¹ Commercial and industrial failures only. Excludes failures of banks and railroads and, beginning 1938, of real estate, insurance, holding, and financial companies, steamship lines, travel agencies, etc.

Series V 31-37. Number of New, Discontinued, and Transferred Businesses, by Major Industry Group: 1940 to 1962 [In thousands. As of January 1]

Year	All indus- tries	Con- tract con- struc- tion	Manu- factur- ing	Whole- sale trade	Retail trade	Service indus- tries	All other 1	Year	All indus- tries	Con- tract con- struc- tion	Manu- factur- ing	Whole- sale trade	Retail trade	Service indus- tries	All other ¹
	31	32	33	34	35	36	37		31	32	33	34	35	36	37
NEW BUSINESSES 1962	430 431 438 422 397 398 431 408 366 352 346 327 346 331 393 461 617	60 62 66 67 58 57 68 69 62 60 61 54 64 54 65 74	25 25 27 27 24 25 31 29 25 28 28 28 30 63 35 40	25 25 24 23 22 23 24 22 21 21 21 21 22 22 24 30 30 30 30 30 30 30 30 30 30 30 30 30	168 170 170 161 160 166 170 161 147 140 130 123 183 186 151	91 89 89 82 76 71 73 67 61 56 54 53 58 78 90	61 61 62 62 56 56 64 59 50 47 50 48 44 37 45 48	DISCONTINUED BUSINESSES—COR. 1950. 1949. 1948. 1947. 1946. 1944. 1943. 1942. 1941. 1940. TRANSFERRED BUSINESSES 1958. 1957. 1956.	290 306 282 239 209 176 175 337 386 271 318	39 41 36 32 26 6 17 15 26 80 27 30 27 30	25 31 27 24 26 20 22 21 21 22 14 15 17	16 18 19 18 11 1 7 8 20 24 12 14	115 116 98 76 66 59 63 160 199 117 138	58 61 62 49 44 38 40 71 70 56 74	37 41 38 38 38 38 28 28 28 43 38 41 27 28 30
1945	423 331 146 121 290	56 28 9 8 20	27 27 25 23 31	30 24 8 5 23	161 128 50 39 117	84 71 28 29 62	54 52 26 18 38	1955 1954 1953 1952 1951	384 371 378 370 358	13 13 14 12 11	17 15 17 17 16	13 12 13 13 11	259 250 253 248 241	55 53 55 54 53	28 27 26 27 25
1940	387 389 384 346 347 335 342	63 65 64 56 59 57 54	29 30 29 27 30 29 26 28	20 21 19 18 19 17 17	118 158 159 157 140 138 137 148	49 67 65 65 59 56 53 53	50 50 50 49 46 45 43 43	1950 1949 1948 1947 1946 1945 1944 1943 1942 1941 1940	419 435 501 572 627 473 359 250 292 320 241	15 16 17 18 18 10 7 4 7 10	21 22 29 31 37 21 17 17 17 23	14 16 17 20 26 16 11 7 7 9	278 286 327 375 399 308 227 122 104 74	63 66 79 94 107 83 65 60 121 158	29 29 33 34 39 36 33 39 36 48
1954 1953 1952 1952	319 299 276 276	48 48 43 44	30 28 25 23	18 16 14 13	134 124 115 113	48 46 44 47	40 37 34 37								

 $^{^{\}rm I}$ Mining and quarrying; transportation, communications, and other public utilities; and finance, insurance, and real estate.

 $^{^2}$ Failure rate per 10,000 listed enterprises. 3 Series revised; not strictly comparable with earlier data.

BUSINESS ENTERPRISE

Series V 38-40. Recorded Mergers in Manufacturing and Mining: 1895 to 1970
[Merger values in millions of dollars]

	Recorded		Recorded		Recorded		Recorded	Recorded (E	l mergers is)		Recorded (Nel			Recorded (Nel	l mergers son)
Year	mergers (FTC)	Year	mergers (FTC)	Year	mergers (FTC)	Year	mergers (FTC)	Number	Merger values	Year	Number	Merger values	Year	Number	Merger values
	38		38		38		38	39	40		39	40	===	39	40
1970	2,307 2,407 1,496 995 1,008 854 861 853 954	1957	295 288 235 219 126	1944 1943 1942 1941 1940 1939 1938 1937 1936 1935 1934 1933 1932	213 118 111 140 87 110 124 126	1931 1930 1929 1928 1927 1926 1925 1924 1923 1922 1922 1921 1920 1919	309 487	281 587 507 306 265 257 149 143 122 70	1,757 1,993 1,653 1,653 727 1,135 721 466 1,171 502 430 809 777	1918	71 195 117 71 39 85 82 103 142 49 50 87 128	254 679 470 158 160 176 322 210 257 89 188 185 378	1905 1904 1903 1902 1901 1901 1899 1898 1897 1896 1895	142 379 423	243 110 298 911 2,053 442 2,263 651 120 25

Series V 41-53. Number of Corporations, by Industrial Division: 1916 to 1970 [In thousands]

Year							Active cor	porations					
	Total corpora- tions	eorpora-	Agricul- ture, for- estry, and fisheries	Mining	Manufac- turing	Wholesale trade	Retail trade	Trade not allocable	Services	Finance, insurance, and real estate	Public utilities	Contract construc- tion	All other
	41	42	43	44	45	46	47	48	49	50	51	52	53
1970	1,747.6 1,737.9 1,614.7 1,609.9 1,537.9 1,490.1 1,437.2 1,381.7 1,318.8 1,240.8	1,665.5 1,658.8 1,541.7 1,534.4 1,468.7 1,424.0 1,373.5 1,323.2 1,268.0 1,190.3	37.2 32.0 31.2 32.4 27.9 27.5 25.9 28.3 22.1 19.0	14.5 14.0 12.8 14.4 14.8 13.3 14.5 14.5 13.5	197.8 202.1 191.9 197.0 187.6 185.9 185.0 181.8 183.1 173.6	165.6 172.1 153.1 142.5 151.2 146.6 142.6 137.6 132.3 123.4	350.8 351.8 314.0 315.6 298.4 287.6 272.2 257.4 245.1 230.2	1.7 0.6 4.3 7.7 3.6 6.2 6.8 8.4 11.3 11.3	281 .2 261 .6 228 .9 220 .6 202 .1 188 .2 176 .9 163 .8 150 .1 138 .0	406.2 429.0 407.2 399.1 402.7 388.4 383.7 375.4 359.2 340.2	67.4 66.9 65.6 66.0 59.9 59.3 56.3 52.7 49.0	138.9 127.7 126.6 123.2 112.4 113.3 104.1 96.5 90.6 83.8	4.1 0.9 6.1 15.7 8.0 7.4 5.5 7.9 7.8 8.1
1960 1959 1958 1957 1956 1955 1954 1953 1953 1952	1,187.6 1,119.8 1,032.6 984.5 925.0 842.1 754.0 731.0 705.5 687.3	1,140.6 1,074.1 990.4 940.1 885.7 807.3 722.8 698.0 672.1 652.4	17.1 15.6 13.9 11.8 11.0 10.3 8.8 9.4 8.9 8.7	13.0 12.9 12.1 12.7 11.7 10.7 9.6 9.1 9.1 9.0	165.9 156.3 150.7 138.6 132.8 129.8 120.9 121.1 119.4 120.2	117.4 109.6 102.3 103.5 95.0 86.3 77.1 74.1 72.1 71.6	217.3 199.6 186.4 178.5 168.3 154.9 140.0 134.6 131.5	20.9 25.4 22.7 23.2 23.0 23.8 21.5 19.6 17.7 15.5	121.0 110.0 97.2 90.6 81.6 72.9 64.8 63.5 61.6 58.3	334.4 318.6 293.9 276.9 265.0 234.0 205.3 195.2 185.9 177.8	43.9 43.2 37.9 37.8 36.2 33.0 29.1 29.9 28.5 26.8	72.3 66.3 59.8 53.6 48.3 41.6 36.1 34.9 31.8 29.6	17.3 16.5 13.3 13.1 12.8 10.0 9.6 6.5 5.6
1950 1949 1948 1948 1946 1945 1945 1944 1943 1943 1942	666.0 650.0 630.7 587.7 526.4 454.5 446.8 455.9 479.7 509.1	629.3 614.8 594.2 551.2 421.1 412.5 420.5 442.7 468.9	8.3 8.0 7.7 7.3 6.7 6.2 6.4 6.9 7.3 7.9	9.1 9.2 9.1 8.3 7.7 7.6 8.9 9.7	115.9 117.3 116.7 112.2 98.1 79.1 76.6 78.7 82.2 84.4	68.9 67.9 64.8 56.0 47.7 33.6 34.4 36.3 37.6	125.5 118.8 110.8 99.0 84.8 71.2 69.1 72.6 78.3 84.5	15.0 17.3 21.1 22.2 19.1 14.1 14.6 13.8 14.4	55.2 54.0 50.5 46.0 39.6 35.1 34.7 35.6 38.4	171.8 166.3 160.6 151.0 144.4 135.6 133.9 133.7 136.9 143.5	26.3 25.9 25.2 23.7 21.8 19.2 19.3 20.2 21.9	27.7 25.7 23.5 20.3 15.8 11.8 11.5 12.1 13.7	5.64.2 4.2 5.7 5.3 5.3 6.3
1940	516.8 516.0 520.5 529.1 530.8 533.6 528.9 504.1 508.6 516.4	473.0 469.6 471.0 477.8 478.9 477.1 469.8 446.8 451.9 459.7	8.4 8.6 9.0 8.7 8.9 9.1 9.3 9.3 9.8 9.8	10.4 10.8 10.9 13.6 13.8 13.7 13.5 11.8 12.0	85.6 86.2 88.1 92.0 92.0 91.7 91.3 88.6 87.9 89.1	37.5 36.0 37.0 34.5 35.2 34.2 33.2 30.7 29.9	85.8 86.3 86.7 78.5 83.0 83.6 79.7 81.2 77.9 80.0	16.5 15.9 15.5 30.1 27.3 27.1 27.9 20.9 24.6 22.9	41.4 41.0 41.0 60.2 59.7 49.6 45.9 43.0 43.3 38.2	142.6 142.3 140.4 117.1 115.7 124.9 126.1 121.7 125.1 134.6	22.1 22.0 24.7 24.9 25.4 25.4 21.8 21.7	15.7 16.1 16.3 16.9 16.6 16.1 15.9 16.3 17.3	7.0 4.3 4.1 1.5 1.8 1.7 1.6 2.4 3.4
1930 1929 1928 1928 1927 1926 1925 1925 1924 1923 1923	518.7 509.4 495.9 475.0 455.3 430.1 417.4 398.9 382.9	463.0 456.0 443.6 425.7 1455.3 1430.1 1417.4 1398.9 1382.9 1356.4	9.9 9.4 9.2 8.9 10.7 9.9 9.8 9.4 9.1 8.7	12.2 12.5 12.9 13.0 19.3 19.1 18.4 18.5 17.7	91.5 92.2 91.6 89.8 93.2 88.7 86.8 85.2 82.5 79.7	30.2 29.1 28.5 29.6 39.5	79.2 77.9 73.0 65.9 47.5 109.6 105.3 100.6 95.7 88.2	22.1 22.1 24.9 24.2 25.7	38.2 36.0 33.5 31.1 32.3 29.0 26.3 25.1 23.1 19.1	136.6 133.9 129.1 122.7 130.4 115.9 104.8 96.8 91.1 82.8	21.6 21.6 21.3 20.8 25.1 23.6 22.4 21.1 20.5	18.5 18.4 17.3 16.4 16.8 15.3 13.2 12.6 11.4	2.9 2.9 2.3 3.3 114.8 119.0 130.4 129.6 132.4 130.7
1920 1919 1918 1917 1916	345.6 320.2 317.6 351.4 341.3	1 345.6 1 320.2 1 317.6 1 351.4 1 341.3	9.2 8.3 7.9 9.6 7.3	17.5 18.5 10.7 12.9 12.0	78.2 67.8 67.3 79.6 80.2		78.9 70.2 70.1 91.1 30.6		17.5 15.7 14.9 18.6 (²)	78.9 72.8 68.1 68.4 30.0	20.6 20.5 18.2 26.4 22.9	10.0 8.2 7.7 10.7	1 34.8 1 38.2 1 52.7 1 34.1 1 158.3

¹ Includes inactive corporations.

² Included in "All other."

Series V 54-65. Percent of Total Corporate Net Income Reported by Small and Large Corporations (With Net Income Only): 1918 to 1939

[Size measured by net income]

		All ind	ustries		All industries except finance				Manufacturing			
Үеаг	Total	Smallest 75%	Next 20 %	Largest 5 %	rest Total	Smallest 75%	Next 20 %	Largest 5 %	Total	Smallest 75%	Next 20%	Largest 5%
	54	55	56	57	58	59	60	61	62	63	64	65
1939	100.00 100.00 100.00 100.00	3.40 3.52 3.07 3.32	12.11 12.05 11.58 12.85	84.49 84.43 85.35 83.83								
1935 1934 1933 1932 1932	100.00 100.00 100.00 100.00 100.00	3.90 3.70 3.08 2.71 4.46	14.73 14.77 13.10 10.70 10.78	81.37 81.53 83.82 86.59 84.76								
1930 1929 1928 1927 1927	100.00 100.00 100.00 100.00 100.00	4.09 3.97 4.43 4.66 4.52	10.63 11.69 13.03 14.63 14.35	85.28 84.34 82.54 80.71 81.13	100.00 100.00 100.00 100.00 100.00	3.50 3.62 4.03 4.17 3.94	9.84 11.14 12.45 13.90 13.29	86.66 85.24 83.52 81.93 82.77	100.00 100.00 100.00 100.00 100.00	3.42 4.49 4.94 5.54 5.28	11.82 13.42 14.69 16.56 15.12	84.76 82.09 80.37 77.90 79.60
1925 1924 1923 1922 1921	100.00 100.00 100.00 100.00 100.00	4.97 5.52 5.28 5.62 6.34	15.44 16.06 16.44 16.71 16.06	79.59 78.42 78.28 77.67 77.60	100.00 100.00 100.00 100.00 100.00	4.91 4.96 5.53 5.51 5.36	14.04 15.23 15.53 16.21 15.85	81.05 79.81 78.94 78.28 78.79	100.00 100.00 100.00 100.00 100.00	5.98 6.16 6.40 6.72 7.28	16.29 16.92 18.07 19.19 19.18	77.73 76.92 75.53 74.09 73.54
1920 1919 1918	100.00 100.00 100.00	5.77 7.01 6.03	15.31 16.26 14.37	78.92 76.73 79.60	100.00 (NA) 100.00	5.77 (NA) 6.56	16.16 (NA) 14.51	78.07 (NA) 78.93	100.00 (NA) 100.00	6.42 (NA) 6.33	17.92 (NA) 17.58	75.66 (NA) 76.09

NA Not available.

Series V 66-77. Income of Unincorporated Enterprises, by Industry: 1929 to 1970 [In millions of dollars]

Year	Total, all industries	Agri- culture, forestry, and fisheries	Mining	Contract construc- tion	Manufac- turing	Transpor- tation	Communi- cation	Electric, gas, and sanitary services	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
	66	67	68	69	70	71	72	73	. 74	75	76	77
1970	67,538	17,596	103	4,962	1,652	1,237	39	99	3,359	10,673	3,172	24,646
	67,969	17,522	37	5,157	1,849	1,219	15	104	3,355	10,746	4,055	23,910
	64,948	15,342	335	4,766	1,873	1,243	64	101	3,303	10,724	4,686	22,561
	62,435	15,471	355	4,533	1,880	1,118	26	99	2,975	10,430	4,272	21,276
	61,688	16,698	209	4,517	2,109	1,204	21	89	3,019	10,148	4,054	19,620
1965	57,633	15,440	239	4,332	1,979	1,194	23	80	2,866	9,682	3,965	17,833
1964	52,394	12,712	250	3,921	1,885	1,008	25	85	3,032	9,338	3,420	16,718
1963	51,047	13,580	268	3,698	1,815	987	19	67	3,113	8,800	3,257	15,443
1962	50,094	13,525	273	3,597	1,877	933	16	56	3,003	9,013	3,091	14,710
1961	48,401	13,285	284	3,558	1,818	848	17	58	2,966	8,637	3,155	13,775
1960	46,228	12,394	276	3,357	1,841	794	16	55	2,822	8,681	3,163	12,829
1959	46,690	11,846	277	3,551	1,907	808	16	56	2,871	9,407	3,405	12,546
1958	46,663	13,861	370	3,284	1,867	796	17	66	2,793	8,796	3,312	11,501
1957	44,363	11,714	413	3,475	2,003	787	17	51	2,862	8,928	3,173	10,940
1957	43,237	11,843	404	3,290	2,095	767	18	38	2,770	8,795	2,983	10,234
1955	41,899	11,868	339	3,167	2,035	754	18	43	2,430	8,713	2,915	9,617
1964	40,037	12,878	291	2,929	1,906	764	21	43	1,899	8,715	2,395	8,196
1953	40,680	13,468	298	3,208	2,103	754	18	38	2,203	8,404	2,160	8,026
1952	41,910	15,401	277	3,272	2,082	730	18	33	2,050	8,556	2,019	7,472
1951	42,290	16,222	306	3,123	2,168	693	14	27	2,216	8,617	1,860	7,044
1950	38,569	13,860	295	3,088	2,047	655	11	23	2,052	8,024	1,831	6,683
1949	34,822	13,005	288	2,653	1,581	601	8	17	1,409	7,685	1,353	6,222
1948	40,628	17,832	401	2,654	1,825	601	8	18	1,592	8,370	1,172	6,155
1948	36,959	15,395	270	2,124	1,658	556	8	18	1,808	8,651	966	5,505
1947	38,229	15,099	164	1,723	2,302	487	7	17	2,323	9,755	1,036	5,316
1945	28.788	12,371	129	1,094	2,365	432	8	15	1,740	7,943	899	4,532
1944		11,742	163	992	2,203	465	7	12	1,635	7,577	718	4,376
1943		11,770	166	1,119	1,882	479	6	9	1,462	7,305	640	3,950
1942		9,879	126	1,248	1,439	417	5	7	1,176	5,956	526	3,419
1941		6,514	98	968	993	360	4	6	892	4,835	485	2,967
1940	13,090	4,529	69	697	523	286	3	4	594	3,310	433	2,642
	12,011	4,471	70	654	409	250	3	4	487	2,758	405	2,500
	11,076	4,430	59	616	276	230	3	4	429	2,273	370	2,386
	13,232	6,067	85	591	374	233	3	4	432	2,517	408	2,518
	11,075	4,342	61	628	411	218	2	2	405	2,274	398	2,334
1935	7,729 6,440	5,321 2,995 2,627 2,143 3,471	39 31 4 9 -16	392 324 206 248 618	307 253 210 29 130	197 174 158 163 187	1 1 1 2	2 2 1 2 5	299 235 156 80 181	1,814 1,503 1,030 530 1,158	343 285 348 263 342	2,093 1,926 1,700 1,891 2,476
1930	11,129	4,367	35	875	300	214	3 3	6	274	1,729	508	2,818
1929	14,966	6,215	64	1,139	572	222		6	390	2,533	827	2,995

- Represents zero.

BUSINESS ENTERPRISE

Series V 78-107. Manufacturing and Trade—Sales and Inventories: 1948 to 1970 [Money figures in billions of dollars]

		:	Manufacturing			Retail trade		Merchant wholesalers					
Year	Total	Total	Durable goods	Nondurable goods	Total	Durable goods	Nondurable goods	Total	Durable goods	Nondurable goods			
;	SALES												
	78	79	80	81	82	83	84	85	86	87			
1970 1969 1968 1967 1966	1,264 1,232 1,163 1,076 1,046	653 644 603 557 538	352 354 332 303 296	301 289 271 255 243	365 352 339 314 304	110 113 110 100 98	255 239 229 214 206	247 237 220 205 204	112 110 100 90 91	135 127 120 115 113			
1965 1964 1968 1962 1961	963 884 828 785 734	492 448 420 397 371	267 236 219 205 187	225 212 201 192 184	284 262 247 236 219	94 85 80 75 67	190 177 167 161 152	187 174 161 152 144	83 76 69 65 60	104 99 92 88 84			
1960 *	729 716 651 671 649	370 363 327 345 333	190 187 163 183 177	180 176 165 162 156	220 215 200 200 190	71 72 63 68 66	149 144 137 132 124	140 138 123 126 126	59 59 50 54 56	81 79 73 72 70			
1955 1954 1953 1952 1951	620 557 576 538 520	318 280 298 270 261	169 142 160 136 126	149 138 138 135 135	184 169 169 162 157	67 58 60 55 54	117 111 109 107 102	119 108 109 105 103	51 43 44 42 42	67 65 65 63 61			
1950 1949 1948	463 405 423	224 194 208	106 86 91	117 107 117	147 134 134	54 45 43	93 89 91	92 78 82	38 29 31	55 49 51			
					INVENTORIES	, BOOK VALUE			· · · · · · · · · · · · · · · · · · ·				
	88	89	90	91	92	93	94	95	96	97			
1970 1969 1968 1967 1966	170 164 154 144 135	100 97 91 85 78	65 63 59 55 50	35 34 32 30 28	45 45 42 39 38	19 20 19 17 17	26 25 23 22 21	27 24 23 22 21	16 15 13 13 12	11 10 9 9			
1965 1964 1963 1962 1961	120 110 104 100 95	68 63 60 58 55	42 38 36 35 33	26 25 24 24 22	34 31 29 28 26	15 13 13 12 12	19 18 17 16 15	18 17 16 15	11 10 9 9 8	8 7 7 6 6			
1960 *	94 91 86 88 86	54 53 50 52 51	32 32 30 32 30	21 21 20 20 20	27 25 24 24 23	12 11 11 11 10	15 14 14 13 13	14 14 13 13 13	8 8 7 7 7	6 6 6 6			
1955 1954 1963 1952 1951	78 72 75 71 69	45 42 44 41 39	26 24 26 24 21	19 18 18 17 18	23 21 21 21 21 21	11 9 10 9 10	12 12 12 12 12	12 11 11 10 10	6 5 6 5 5	5 5 5 5 5			
1950 1949 1948	59 49 52	31 26 29	16 13 15	16 13 14	19 15 16	8 6 7	11 9 9	9 8 8	5 4 4	5 4 4			
			······	·		INVENTORY—SALES RATIO 1							
	98	99	100	101	102	103	104	105	106	107			
1970 1969 1968 1967 1966	1.60 1.56 1.55 1.57 1.47	1.82 1.75 1.74 1.76 1.62	2.20 2.07 2.05 2.09 1.85	1.37 1.36 1.36 1.37 1.34	1.47 1.47 1.43 1.46 1.44	2.13 2.05 1.97 2.03 2.00	1.18 1.19 1.17 1.19 1.17	1.23 1.19 1.20 1.21 1.14	1.61 1.53 1.54 1.61 1.49	0.92 .89 .91 .90 .85			
1965	1.45 1.47 1.49 1.51 1.54	1.60 1.64 1.69 1.72 1.74	1.81 1.87 1.94 1.98 2.05	1.34 1.38 1.42 1.44 1.43	1.39 1.40 1.39 1.38 1.43	1.86 1.86 1.79 1.82 2.00	1.16 1.18 1.20 1.17 1.18	1.14 1.13 1.15 1.16 1.20	1.49 1.49 1.54 1.57 1.63	.87 .86 .85 .86			
1960 *	1.60	1.76 1.70 1.84 1.80 1.73	2.07 2.00 2.23 2.07 1.94	1.42 1.39 1.45 1.51 1.49	1.45 1.40 1.43 1.44 1.47	2.02 1.86 2.01 1.91 1.92	1.18 1.16 1.17 1.19 1.22	1.22 1.15 1.24 1.23 1.19	1.69 1.53 1.66 1.58 1.43	.89 .87 .94 .96			
1955 1954 1958 1962 1961	1.47 1.60 1.58 1.58 1.55	1.62 1.81 1.76 1.78 1.66	1.75 2.06 1.91 2.00 1.77	1.47 1.56 1.58 1.58 1.55	1.43 1.51 1.58 1.52 1.64	1.79 1.96 1.96 2.00 2.00	1.22 1.27 1.29 1.28 1.40	1.13 1.18 1.17 1.12 1.16	1.36 1.54 1.52 1.47 1.47	.95 .95 .93 .89			
1950 1949 1948	1.36 1.53 1.42	1.48 1.75 1.57	1.55 2.04 1.83	1.41 1.51 1.36	1.38 1.41 1.39	1.52 1.77 1.71	1.29 1.23 1.23	1.07 1.19 1.13	1.29 1.61 1.42	.91 .95 .95			
* Denotes first year for which fi							average mont						

^{*} Denotes first year for which figures include Alaska and Hawaii, except 1961 for merchant wholesalers, and 1946 for retail trade inventories.

¹ Average inventories to average monthly sales. Average inventories based on weighted averages of end-of-month figures.

Corporate Assets, Liabilities, and Income (Series V 108-332)

V 108-305. General note.

Aggregate balance sheet and income data for all U.S. corporations combined and for corporations classified by major industry have been published annually since 1926 by the Internal Revenue Service (and its predecessor, Bureau of Internal Revenue) in Statistics of Income, part 2. Data classified by asset-size class are also available since 1931. Series V 108-140 and V 167-196 are based on the materials assembled in Statistics of Income. Other sources provide balance sheet and income data for public utilities, railroads, and commercial banks over considerably longer periods. Data for public utility corporations are presented, in condensed form, in series V 197 212. Data for railroads are presented in chapter Q, Transportation, and for commercial banks in chapter X, Financial Markets and Institutions.

Most of the series shown here include aggregates based on the values reported by corporations in their accounting statements. These book values are seldom, if ever, equal to current market values, nor do they correspond to theoretical values computed by economic analysts (e.g., values arrived at on the basis of the expected revenue streams). When the general price level remains stable, individual differences between the book value and the market value (or between the book value and the theoretical economic value) may largely cancel out in the process of aggregation. In times of a persistent inflation, however, book values show a general tendency to fall below current market valuations, while in times of persistent deflation the reverse is generally true. Some specific valuation problems, arising in connection with different types of business assets, are briefly discussed below.

Physical assets. Physical assets owned by business firms include inventories (both finished goods and goods in process) and fixed assets (land, plant, and equipment).

Inventories are usually shown on the balance sheet at "cost or market, whichever is lower." Consequently, in periods of rising prices, book values tend to be below current market values. In periods of falling prices, however, conservative accounting practices require an adjustment in the book value so as to bring it down to the level of the current market value.

Book charges for inventories used up in production were formerly based almost universally on the "fifo" (first in, first out) method of valuation, but a substantial number of firms have switched to the "lifo" (last in, first out) method. These two valuation methods yield different results with respect to reported costs and profits and also with respect to the book value of the year-end inventory. Under "lifo" procedure, the most recent prices are used for the computation of costs. Consequently, reported profits (and, therefore, income tax liability) are reduced in periods of rising prices, but are increased in periods of falling prices, as compared with the amount that would be reported under "fifo."

On the other hand, the year-end inventories are valued at less recent prices on a "lifo" than on a "fifo" basis. Consequently, in periods of price instability the use of "lifo" tends to widen the gap between the book value and the current market value of the year-end inventories.

Except in special cases, a comparison of year-end inventory values does not provide an adequate indication of changes in the physical volume of inventories. When "lifo" is used, a change in the book value of inventory will correctly indicate the change in the physical volume valued at current prices, as long as the volume is increasing. If the physical volume is decreasing, however, a valuation adjustment is required in order to arrive at the current value of the physical

decrement. When "fifo" is used, a valuation adjustment must be made whether the physical volume is increasing or decreasing.

Since the aggregate inventory values represent a combination of "fifo" and "lifo" inventories (the former being the predominant component), an inventory valuation adjustment is clearly required before any inferences regarding changes in the physical stock are to be drawn from these figures.

Fixed assets include durable capital goods, which are generally entered at cost and are written off gradually over a period of years by means of annual depreciation charges. A detailed balance sheet usually includes (a) the gross amount before depreciation, (b) the depreciation reserve accumulated to date, and (c) the net amount after depreciation, which is equal to (a) minus (b).

If the prices of capital goods remained constant, the gross amount of plant and equipment would equal their replacement cost (the cost of replacing the existing items, which vary in age from almost new to being close to the time of retirement, with brand new items of the same type). During periods of continual price increases, however, the gross amount falls considerably short of the replacement cost; while during periods of continual price declines, the opposite is true.

The net amount of plant and equipment would approach the current market value only if the annual depreciation allowances corresponded to the actual loss of value through wear and tear as well as obsolescence (and, furthermore, if the prices of new capital goods remained constant). This, however, hardly ever happens in actual practice. Most corporations have been using the "straight line" method of depreciation, under which durable equipment has been written off by equal amounts every year during its entire lifetime, irrespective of the actual degree of wear and tear or obsolescence. During and after World War II accelerated writeoffs were allowed in industries working for defense, whereby plant and equipment could be written off over an arbitrary 5-year period. This procedure, coupled with the fact that prices generally rose at a relatively fast rate during the war and the postwar period, has served to further widen the gap between the net book values and the actual market values of fixed assets.

Neither the gross nor the net amount of plant and equipment may be taken to reflect accurately changes in the physical stock of durable capital goods. If prices remained constant, changes in the gross amount would indicate changes in quantity, though not in quality, of capital goods. For example, if a firm owned 100 units of machinery and added 10 new units next year, the gross amount would show a 10-percent rise (assuming no retirements during the year); but the gross amount could not show the decline in quality of the original 100 units through the process of aging. The net amount does reflect the aging of durable equipment but, as stated above, the prevailing depreciation methods do not—and are not intended to—align the book values with changes in the actual market value over time.

Financial assets. Financial assets of corporations represent their claims on other business units, individuals, and government. Current (short-term) financial assets include cash, bank deposit accounts, notes receivable and marketable securities (mostly U.S. Government but frequently including marketable corporate stock as well). Noncurrent (long-term) financial assets consist of bonds, other long-term debt instruments, and nonmarketable securities which are largely permanent holdings of corporate stock. The problem of market valuation does not, of course, arise in connection with cash and bank deposits. If receivables are salable, their market value does not ordinarily deviate from the book amount by more than a moderate

discount. But in the case of securities, especially common stocks, the current market value may differ widely from the original cost to the owner. Bonds tend to rise in price when the current interest rate declines relative to the coupon rate. Stocks tend to rise when the expected rate of profit and/or dividends earned by the issuer increases. Conservative accounting practice requires that securities be valued at "cost or market, whichever is lower." Thus, while the book values are not expected to exceed the market values for any considerable length of time the reverse relationship may continue indefinitely.

While the market value of stocks tends to rise with—though not necessarily in proportion to—the general level of prices, the market value of bonds is not directly affected by this factor. In fact, in times of inflation or deflation, the fixed amount debt instruments become especially variable in terms of real purchasing power represented by them.

A special problem arises in connection with financial assets when aggregate balance sheets are compiled. In a closed economic system all financial claims and liabilities would cancel out. A consolidated balance sheet for the entire system would show only physical property on the asset side and net claims to this property by individuals on the liability side.

Since the corporate sector of our economy is not a closed system, a consolidated balance sheet for all corporations combined would not eliminate all financial assets and liabilities, although it would eliminate a substantial part representing intercompany claims.

The aggregate balance sheets presented in this section are essentially unconsolidated data. Some large corporations submitted consolidated balance sheets comprising the parent company and its subsidiaries. (Consolidated returns were permitted prior to 1934 and then again after 1942. See text for series V 108–140 and V 167–196.) But, in the main, the total amounts were obtained by mere aggregation rather than consolidation of individual companies' statements.

As a result, the total amounts of both receivables and payables include a certain (undetermined) amount owed by corporations to other corporations. The total amount of investments includes a certain (undetermined) amount of corporate securities owned by corporations. When claims of the creditor corporations on the debtor corporations are included in total assets of the sector as a whole, the total is inflated by the double-counting involved.

Liabilities. The valuation problems encountered in connection with corporate liabilities are generally similar to those discussed above in connection with financial assets. When the price level rises, the amount of debt shrinks in terms of real purchasing power. When the market value of assets increases, the dollar amount of debt remains unchanged, but its magnitude in relation to net worth (valued at market prices) declines. When unconsolidated data are aggregated, the total amount of debt is inflated because no adjustment is made for intercompany liabilities.

The item designated as "other liabilities" (series V 123) includes accrued income tax and other accrued liabilities. Tax accruals were a relatively minor item during the 1920's and 1930's, but assumed major proportions during and after World War II, when the income tax rates were sharply raised and the excess profits tax was imposed (during 1940–1945 and again during 1950–1953). Tax accruals rose substantially also in the years of World War I, but a sharp decline occurred after the war. These movements are reflected in the sample data for large manufacturing corporations, extending over the 1914–1943 period (see text for series V 285–305).

The amount of accrued taxes has not been reported as a separate balance sheet item in *Statistics of Income*. Until recently, the year-end amount of tax accruals usually was fairly close to the current year's total tax liability (series V 137, V 180, and V 195), but the acceleration program enacted in 1954 placed large corporate tax-payers on a pay-as-you-go basis, which tended to reduce their tax reserves.

The rise in the income tax accruals on the liability side of corporate balance sheets was accompanied by an increase in government security holding on the asset side. Thus, in a completely consolidated statement for the corporate sector, the debt owed by corporations to the government would be largely offset by the debt owed by the government to corporations, and the net balance of such claims would be relatively small.

Net worth. Net worth (or equity) is the stockholders' share in the total assets of a corporation. It is not measured by the capital stock account alone, but is equal to the sum of capital stock, capital reserves, paid-in surplus, and earned surplus; or, alternatively, it represents the difference between total assets on the one hand and the sum of all short-term and long-term liabilities on the other. Since the dollar amount of liabilities is fixed at any one time, a revaluation of assets results in a corresponding change in net worth.

In a newly established firm, net worth is equal to the amount of capital paid in by its first stockholders. This amount may be registered in the capital stock account alone, or partly (usually up to the par value per share) in the capital stock account and partly in the paid-in surplus (or capital surplus) account. A going concern, on the other hand, can increase its net worth from two sources—by selling additional shares of stock and by retaining profits. The latter method (known as internal financing) has generally been a very important source of funds for American corporations.

Net profit retained in a given year is reflected in the year-end balance sheet as an increase in the earned surplus account. However, the amount of earned surplus shown on the balance sheet may not generally be taken to represent the sum of all profit retentions over the company's entire lifetime. Many companies declare stock dividends from time to time, and this involves transfers from the earned surplus to the capital stock account. Other companies make occasional transfers from earned surplus to various reserve or special fund accounts. In some cases, earned surplus and paid-in surplus are combined into one account, which makes it impossible to separate paid-in equity from retained funds. Thus, generally speaking, while the balance sheet data for any one year indicate the total amount of net worth, they contain no accurate information as to what portion of net worth has been built up by stock sales and what portion has been accumulated through profit retentions.

Sales, income, and dividends. The sales, income, and dividend figures also represent unconsolidated aggregates, with no adjustment for intercompany transactions. Goods and services sold by corporations to other corporations are included in the total amount of sales two or more times. For example, the value of steel sold by steel producers to automobile manufacturers is included in the sales of the steel industry and also in the sales of the automobile industry (as part of the total value of the automobiles sold). In other words, total reported sales of all industries would exceed by a large margin the net value of corporate production (the sum of all net values added by individual companies) in any given period.

The net income and dividend totals also contain some duplication, since no adjustment has been made for intercompany dividends. When dividends are paid by one company to another, this is obviously a transfer payment which does not increase the actual total income of the corporate sector as a whole. Yet, since such payments are included in net income of the receiving companies without being deducted from net income of the paying companies, the aggregate amount of net income of all corporations is correspondingly inflated.

Problems of asset valuation and income computation have been extensively discussed in the accounting and economic literature. Useful basic discussions may be found in the following books: J. C. Bonbright, The Valuation of Property, McGraw-Hill, New York, 1937; N. S. Buchanan, The Economics of Corporate Enterprise, Henry Holt & Co., New York, 1940; B. Graham and D. L. Dodd, Security Analysis, McGraw-Hill, New York, 4th ed. 1962; J. P. Powelson, Economic Accounting, McGraw-Hill, New York, 1955.

The problems encountered in compiling the national income data from the balance sheets submitted by business firms are discussed in Office of Business Economics, *National Income*, 1954 edition, and *U.S. Income and Output*, 1958.

V 108-140 and V 167-196. General note.

Aggregate balance sheet data for all corporations submitting such data with their income tax returns have been published in *Statistics of Income* since 1926. Aggregate income data for all corporations submitting income tax returns have been available since 1916, but income data for corporations submitting balance sheets have been compiled only since 1931.

Companies which did not submit balance sheet data for 1926-1955 represented only a small fraction of the total corporate population in terms of total income and assets. Thus, companies not submitting balance sheets accounted for only 3 percent of the total compiled receipts in 1931 and 1 percent in 1953. The data presented here may, therefore, be taken as a fairly close approximation of the entire corporate population.

For 1926-1950, annual tabulations have been derived from all corporation returns filed. For 1951-1955, the aggregate data for small corporations were estimated on the basis of 10- and 20-percent samples, in order to reduce the cost and delay involved in tabulating all returns. In 1951, sampling procedures were confined to corporations with total assets under \$250,000. The sample amounted to 10 percent of this population. In 1952, the companies with total assets under \$250,000 were represented by a 10-percent sample. Furthermore, the companies with total assets between \$250,000 and \$500,000 were represented by a 20-percent sample. All returns with total assets of \$500,000 and over together with all consolidated returns, life and mutual insurance companies, personal holding companies, and taxable returns with total income (total gross receipts less cost of sales or operations) of \$200,000 and over, regardless of size of total assets, were tabulated.

For 1953-1957, sampling rates were based on gross receipts instead of total assets. For 1953-1955, companies with gross receipts below \$100,000 were sampled at a 10-percent rate; 20-percent of the companies with gross receipts between \$100,000 and \$500,000 were sampled and all companies with gross receipts over \$500,000 were included. In 1956-1957, the 20-percent sample was expanded to include companies with gross receipts between \$100,000 and \$1,000,000. For 1956-1957, all companies with gross receipts over \$1,000,000 were tabulated.

In 1958, total assets and net income (deficit) were included with gross receipts as a basis for sample selection. In addition, strata were introduced to cover Small Business Corporation returns (Form 1120S). These were filed for the first time under the Technical Amendments Act of 1958.

Beginning 1959, total assets and net income (deficit) only are the basis for sample selection. In addition, separate sampling plans were developed for "special" returns such as life and mutual insurance companies, etc. As a result, there were eighteen sampling classes and eleven sampling rates in 1968 as compared with seven classes and three rates in 1958.

Although small companies account for a very large share of the total corporate universe in terms of the number of returns, they represent a relatively small share of the total in terms of assets and receipts. Thus, in 1952 the total assets of small companies accounted for only 7 percent of the aggregate figure for all corporations combined.

The data in each volume of Statistics of Income are from returns for the calendar year indicated, for fiscal years ending within the period from July of one year through June of the succeeding year, and for partial years with the greater number of months of the accounting period falling within the calendar year. The information is compiled from the returns as filed, prior to revisions that may be made as a result of audit by the Internal Revenue Service. Also, the data do not reflect loss carrybacks, renegotiation of war contracts, or recomputation of amortization of emergency facilities.

The returns included in each report are those filed for comparable periods of time. There are factors, however, which interfere with the precise comparability of the data over a period of years. While their influence has not been so strong as to obscure major historical trends, they must, of course, be borne in mind, especially when close

comparisons are attempted. Some of the more important interfering factors are indicated below.

In general, the items for 1926–1933 are not precisely comparable with those for 1934–1941, because of the discontinuance, under the Revenue Act of 1934, of the privilege of filing consolidated income tax returns (except by railroad corporations and their related holding and leasing companies and, for 1940 and 1941, Pan-American trade corporations), and the consequent appearance, in the separate returns filed by corporations formerly included in an affiliated group, of items which, owing to "intercompany eliminations," did not appear on the consolidated return.

The discontinuance of consolidated returns also resulted in changes in industrial classification. A corporation is classified industrially according to the business reported on the return. When diversified activities are reported, the classification is determined by the industry which accounts for the largest percentage of receipts. Therefore, industrial groups may contain data for activities other than those on which the classification is based. Prior to 1934, a consolidated return was classified on the predominant activity of the group of affiliated concerns, whereas, for 1934 and subsequent years, the separate return filed by each concern which was formerly a part of an affiliated group is classified on its predominant industry. Beginning 1942, the consolidated return privilege was again extended, in general, to all corporations.

On the basis of the data contained in the 1934 issue of Statistics of Income, two sets of figures are given for 1934 in series V 167-181. In 1934 (comparable with later years), corporations which submitted consolidated returns in 1933 are classified according to the business reported on the deconsolidated returns for 1934. In 1934 (comparable with earlier years, insofar as industrial classification is concerned), corporations which submitted consolidated returns in 1933 are classified according to the business reported on consolidated returns in 1933. The latter data for 1934, however, are still not fully consistent with those for 1933 because they include items which are eliminated in consolidated returns but are present in deconsolidated statements.

There have been other changes in the content of various items, which have affected historical comparability. For example, notes payable with maturity of one year or more were included with bonds and mortgages for 1929–1936, but not for succeeding years. Surplus reserves were included with "surplus and undivided profits" for 1926–1937, whereas they have been shown as a separate item since 1938.

The changes in the Standard Industrial Classification System from time to time do not substantially affect the comparability of these data. The figures have been revised historically to reflect these changes which are indicated in the annual volumes of *Statistics of Income*.

V 108-140. Corporate asset, liability, income, deduction, tax, and profit items, and dividends paid, for all industries, 1926-1970.

Source: U.S. Internal Revenue Service (and predecessor Bureau of Internal Revenue), Statistics of Income, Corporation Income Tax Returns, various issues.

Prior to 1959, the statistics represent only the amounts reported by corporations which supplied balance sheet information; thereafter the statistics also include estimated amounts for corporations which owned assets but did not furnish balance sheet information, as well as selected items (other than assets and liabilities) for returns with zero assets.

V 108, number of corporate returns. Except for 1926, excludes returns of inactive corporations.

V 110, cash. Includes bank deposits.

V 111, notes and accounts receivable. For 1958 and prior years, includes loans to stockholders.

V 113, investments in government obligations. Consists of obligations of all governmental units within the United States and its

outlying areas. Where investments are not segregated between "government" and "other," the entire amount is included in "other investments"

V 115, capital assets. Includes depreciable tangible assets such as buildings, fixed mechanical equipment, manufacturing and transportation facilities, furniture and fixtures; depletable tangible assets—natural resources; land; and, for 1939–1970, intangible assets such as patents, franchises, formulas, copyrights, leaseholds, goodwill, and trademarks. Prior to 1939, intangible assets were included in "other assets."

V 116, other assets. Consists of noncurrent assets which were not allocable to a specific account and certain accounts for which no distinction could be made between current and noncurrent status. Includes such items as deferred charges reported as noncurrent by the corporation, interest discounts, guaranty deposits, and intangible assets not subject to amortization. Beginning 1959, includes loans to stockholders and "other current assets" such as nontrade receivables, coupons and dividends receivable, claims and judgments, and short term marketable securities. Prior to 1959, loans to stockholders are included in notes and accounts receivable: and other current assets are included in other assets, other investments, or notes and accounts receivable, except for 1956-1958 data, which represent prepaid expenses and supplies only. Prior to 1956, prepaid expenses are included in other assets. For banks, other assets include property held in trust if included in the banks' assets while, for life insurance companies, they include market value of real estate and that portion of stock and bond holdings in excess of book value.

V 118, notes and accounts payable. Consists of accounts payable and mortgages, notes, and bonds payable with maturity less than one year.

V 119, bonded debt and mortgages. Includes bonds and mortgages payable, regardless of length of time of original maturity, and notes payable with original maturity of one year or more.

V 120, accounts payable. For 1958 and prior years, includes loans from stockholders.

V 123, other liabilities. Consists of obligations which were not allocable to a specific account and were either noncurrent accounts, in general not due within one year, or accounts which could not be identified as either current or long-term. Includes deferred or unearned income not reported as part of a current account, provisions for future taxes based on the effects of either accelerated depreciation or possible income tax adjustments such as for the investment credit. and principal amounts of employee and similar funds. Beginning 1959, includes loans from stockholders; and "other current liabilities" such as accrued expenses, taxes accrued or payable, accrued employee accounts such as payrolls and contributions to benefit plans, dividends payable, overdrafts, accrued interest or rent, and deposits and withdrawable shares of banking and savings institutions. Prior to 1959, loans from stockholders are included in accounts payable; and other current liabilities are included in accounts payable or in other liabilities, except 1957 and 1958 data, which represent accrued expenses only.

V 126, retained earnings, appropriated. Included with surplus and retained earnings, unappropriated, for 1926-1937.

V 127, surplus and retained earnings, unappropriated. Consists of paid-in or capital surplus, and, for 1926-1937, retained earnings, appropriated.

V 130, gross sales and receipts from operations. Gross sales consist of amounts received for goods, less returns and allowances, in transactions where inventories are an income-determining factor. Cost of goods sold is shown as a deduction. Gross receipts from operations consist of amounts received from transactions in which inventories are not an income-determining factor. Cost of operations is shown as a deduction. Gross receipts from operations and cost of operations are not available prior to 1932. The figure shown for 1931 represents gross profit from operations.

V 139, dividends paid in cash and assets other than own stock. Excludes liquidating dividends.

V 141-166. Nonfinancial corporations, gross product and unit costs, 1948-1970.

Source: U.S. Bureau of Economic Analysis, Survey of Current Business, March 1972, p. 22.

The data presented here consist of annual estimates of the output of nonfinancial corporations, capital stocks and inputs, labor inputs consistent with the Bureau of Economic Analysis (BEA) compensation and employment series, combined labor and capital inputs (total factor input), and profits. The output, profit, and stock estimates are based on the assumption of consistent depreciation practices. Total factor productivity is estimated, as well as the partial productivity of labor and capital separately. Also, rates of return to capital stock are calculated, relating property income to the capital stock valued at current replacement cost.

In interpreting these results it should be kept in mind that the capital input measure is based upon the constant dollar stock of capital owned by nonfinancial corporations, and is thus not adjusted for changes in the degree of utilization of the capital stock. Also, labor input is measured by total man-hours worked instead of the more sophisticated techniques underlying other studies of factor input and productivity, for instance, Edward F. Denison's 1962 study, The Sources of Economic Growth in the United States and the Alternatives Before Us.

The output measure most appropriate for comparison with total factor inputs is output valued at factor cost in constant (1958) dollars, because it excludes capital consumption allowances and indirect business taxes which are not returns to factors of production. This measure is derived by deducting from BEA's measure of constant dollar gross product originating in nonfinancial corporations the sum of constant dollar capital consumption allowances, indirect business taxes (net of subsidies received) and business transfer payments.

The gross product of nonfinancial corporations in current dollars, series V 141, is estimated from the income side of the national income and product accounts. The estimates of compensation of employees, series V 147, are largely based upon data collected from establishments reporting under the unemployment insurance system, with legal form allocations based on data from the economic censuses. The estimates of capital consumption allowances, series V 143, business transfer payments, included in series V 145, net interest, series V 150, and profits, series V 152–156, are based upon statistical tabulations of income tax returns. Indirect business taxes and subsidies are obtained from government accounting records, with allocations of indirect business taxes by legal form of organization made on the basis of the value of output produced.

The constant dollar measure of gross corporate product, series V 158, is derived from BEA's estimates of gross product by industry by multiplying each industry's real gross product by the percentage of that industry's output attributable to corporations and summing to a total for nonfinancial corporations. Capital consumption allowances and indirect business taxes (net of subsidies) and business transfer payments are estimated in constant (1958) dollars and deducted from gross corporate product in order to provide output valued at factor cost in constant (1958) dollars.

The capital consumption allowances shown in BEA's regular presentation of data on nonfinancial corporations are valued at historical cost and are affected by changes in depreciation practices permitted under Federal tax laws and regulations. To obtain constant dollar output at factor cost, this measure is replaced with an estimate of capital consumption allowances in constant (1958) dollars that is based on the assumption of straight-line depreciation with service lives averaging 85 percent of those shown in Bulletin F of the Internal Revenue Service.

In order to obtain profits based on consistent depreciation practices and current cost valuation, this new measure of capital consumption was also valued at current prices and then deducted from the sum of

profits and capital consumption allowances as shown in the regular presentation. In series V 141-166, the difference between the regularly shown capital consumption allowances at historical cost and the newly computed measure in current prices is shown as the "depreciation adjustment," series V 144. The method for deriving capital consumption allowances in current and constant dollars is discussed in the section on capital stock in the source publication. For the source study, a constant dollar measure of indirect business taxes was derived, and this measure was used to extrapolate the \$1/2 billion 1958 value of business transfer payments less subsidies. Constant dollar indirect business taxes were obtained by extrapolating the value of indirect taxes in 1958 by the output of the taxes commodities and services. Taxes on heavily taxed products or products whose output fluctuated more than average were estimated separately. The value of the automobile excise tax in 1958 was extrapolated by constant dollar auto product; liquor taxes by constant dollar personal consumption expenditures for alcoholic beverages; tobacco taxes by constant dollar personal consumption expenditures for tobacco products; gasoline taxes by the number of gallons consumed; and property taxes on residential structures by the constant dollar net stock of these structures owned by nonfinancial corporations. All other taxes, accounting for 65 percent of the 1958 total, were extrapolated by an estimate of constant dollar net corporate product at market prices excluding corporate product associated with the separately extrapolated items.

V 167-181. Selected corporate asset, liability, income, and tax items, and dividends paid, by industrial division, 1926-1970.

Source: See source for series V 108-140.

Includes Alaska and Hawaii for all years.

- V 172, investments. Consists of investments in government obligations, other investments, and mortgage and real estate loans.
- V 174, accounts payable and short-term debt. Consists of accounts payable and mortgages, notes, and bonds payable in less than one year.
- V 175, long-term debt. Consists of mortgages, notes, and bonds payable in one year or more.
- V 177, surplus and retained earnings. Consists of paid-in or capital surplus and retained earnings, appropriated and unappropriated.

V 182-196. Selected corporate asset, liability, income, and tax items, and dividends paid, by size of total assets, 1931-1970.

Source: See source for series V 108-140.

Includes Alaska and Hawaii for all years.

- V 187, investments. Consists of investments in government obligations, other investments, and mortgage and real estate loans.
- V 189, accounts payable and short-term debt. Consists of accounts payable and mortgages, notes, and bonds payable in less than one year.
- V 190, long-term debt. Consists of mortgages, notes, and bonds payable in one year or more.
- V 192, surplus and retained earnings. Consists of paid-in or capital surplus and retained earnings, appropriated and unappropriated.

V 197-212. Assets, liabilities, and selected income items for privately owned Class A and B electric companies, 1937-1970.

Source: U.S. Federal Power Commission, all series except V 200-202 for 1937-1956, Statistics of Electrical Utilities in the United States, various annual issues; series V 200-202, 1937-1956, unpublished data.

These data cover reports of all Class A and B companies: Class A companies having annual electric operating revenue of \$2,500,000 or more; Class B companies having annual electric operating revenue of more than \$1,000,000 but less than \$2,500,000. In recent years, these concerns have represented approximately 98 percent of the total privately owned electric utility industry.

- V 197, total assets or liabilities. For total assets, series V 197 is the sum of series V 198, V 199, V 202, and V 203. For total liabilities, series V 197 is the sum of series V 204-209.
- V 198, current assets. Includes cash, special deposits, working funds, temporary cash investments, receivables (less reserve for uncollectible accounts), materials and supplies, prepayments, other current and accrued assets.
- V 199, investments. Includes investments in associated companies (less reserve), other investments (less reserve), physical property other than utility plant (less reserve), sinking funds, miscellaneous special funds.
- V 200-202, plant and equipment in service. Prior to 1932, firms in the electric utility industry included in their electric utility plant and equipment accounts an increasing amount of "phantom assets" which were created by "writing up" assets above their original cost. Changes in economic conditions and government regulation forced a "write-down" of these "assets" at intervals over subsequent years. Until such "write-downs" were made, however, the figures as published in the annual reports of the Federal Power Commission included decreasing amounts of "phantom assets." However, the figures shown here for series V 197-202 represent revised estimates of the Federal Power Commission and exclude "phantom assets."
- V 203, other assets. Includes the "phantom assets" deducted from electric plant and equipment (see text for series V 200-202); electric plant not in service such as plant under construction, leased to others, or held for future use; net utility plant and equipment other than electric; deferred debits; capital stock discount and expenses; and reacquired securities. Although there was some decline in deferred debits, capital stock discount and expense, and reacquired securities, the major portion of the decline in this series between 1937 and 1945 is attributable to the writeoff of "phantom assets." The distribution of these assets for significant years was as follows (in millions):

Item	1937	1948	1956
Total other assets	\$4,833.9	\$3,657.3	\$5,207.1
Phantom assets"	2,100.0		
lectric plant not in service	450.0	1,472.1	1,945.0
et utility plant other than electric		1,876.6	2,959.4
ther asset items	600.3	308.6	302.7

- If the "phantom assets" were to be completely excluded from the asset side, a corresponding adjustment would have to be made in the companies' net worth. This has not been done, because it has been deemed advisable to present the capital and surplus figures as reported by the electric companies.
- V 204, current liabilities. Includes notes and accounts payable, dividends declared, customers' deposits, accrued taxes and interest, miscellaneous current and accrued liabilities.
- V 205, long-term debt. Includes bonds, receivers' certificates, advances from associated companies, miscellaneous long-term debt. Bonds held in treasury were deducted from the total amount of long-term debt outstanding.
- ${\bf V}$ 206, other liabilities. Includes deferred credits, insurance, and other reserves.
 - V 207, capital stock. Includes common and preferred stock.
- V 208, other paid-in capital. Includes premium on capital stock, capital stock discount and expenses, other capital stock items, and reacquired capital stock.
 - V 209, net surplus. Includes capital and earned surplus.
- V 210, total revenue. Includes operating revenues and other income, gross of operating expenses, and all other deductions.
- V 211, net income. Equals total revenue less all operating and nonoperating income deductions (including depreciation, interest, and taxes).
- V 212, dividends. Includes dividends on preferred and common shares. Excludes stock dividends.

V 213-227. Assets, liabilities, and selected income items for central electric light and power stations, commercial, 1902-1937.

Source: U.S. Bureau of the Census. 1902-1912, Electrical Industries, special reports and bulletins for 1902, 1907, and 1912; 1917-1937, Census of Electrical Industries, reports for 1917, 1922, 1927, 1932, and 1937.

See also text for series V 197-212.

Central electric stations are defined as plants owned or operated by individuals, companies, corporations, or municipalities, and furnishing current for public or commercial uses.

Although central electric stations, as defined by the Bureau of the Census, do not represent a group completely identical with Class A and B electric companies, as defined by the Federal Power Commission, the coverage is nearly the same in terms of assets, liabilities, and revenues, as the figures for 1937 show. Consequently, the data in series V 197–212 and V 213–227 may be taken to indicate, with a high degree of approximation, financial trends in the electric utility industry over the entire 1902–1937 period.

Unfortunately, complete balance sheet data for series V 213-227 are available only for 1927, 1932, and 1937. The data for 1912, 1917, and 1922 do not include reserve for depreciation. Consequently, total assets for these years include the gross rather than net value of plant and equipment. The only balance sheet item available for 1902 and 1907 is the gross amount of plant and equipment. The gross revenue, net income, and dividend figures, however, are available for the entire 1902-1937 period.

The accounting nomenclature in series V 213-227 and also in series V 228-272 is similar to that described above for series V 197-212. However, financial statements were much less detailed in the early years and accounting procedures did not remain fully consistent over the entire 1902-1937 period.

V 228-242. Assets, liabilities, and selected income items for street and electric railways, 1902-1937.

Source: See source for series V 213-227.

See also text for series V 197-212.

These data relate to all electric railways in the United States irrespective of their length or location and all street railways irrespective of their motive power.

Data for 1902–1922 include companies which operated street and electric railways and were also engaged in other activities, while the data for 1922–1937 include only companies which were exclusively engaged in the operation of street and electric railways. The double set of figures given for 1922 should enable users to make an adjustment required for comparing the figures for 1927–1937 with those for 1902–1917. For 1917–1937, the total assets include net value of plant and equipment. For 1902–1912, they include gross value of plant and equipment because of the lack of data on depreciation.

V 243-270. Assets, liabilities, and selected income items for telephone and telegraph companies, 1902-1937.

Source: See source for series V 213-227.

See also text for series V 197-212.

The data available for the telephone and telegraph companies for 1902–1937 are even more incomplete than those for the electric utilities. After 1922, the only data collected by the Bureau of the Census were value of plant and equipment, gross income, and dividends paid. During the entire 1902–1937 period, reserves for depreciation were included with other reserves on the liability side and could not, therefore, be used to obtain net value of plant and equipment. Treasury stocks and bonds were reported as a single item (Treasury securities) and could not, therefore, be subtracted from long-term debt and capital stock respectively, as was done for the other electrical industries.

Despite these serious deficiencies, the data throw some light on the rapid development of the telephone and telegraph industries in the early decades of the 20th century and should, therefore, be useful to those interested in financial trends of these two industries.

V 271-284. Net value of plant and equipment in regulated industries, 1870-1951.

Source: Melville J. Ulmer, Capital in Transportation, Communications, and Public Utilities, National Bureau of Economic Research, Princeton University Press, 1959 (copyright).

All values in these series are net of depreciation and relate to reproducible fixed assets: Road, plant, and equipment. Investment in land and land rights has not been included. The coverage is confined to privately owned enterprises.

In general, the series have been obtained by cumulative addition (or subtraction) of the annual figures on net capital formation to a base value in some selected year. The series in 1929 dollars reflect changes in net physical stock of reproducible fixed assets. The series in current dollars indicate changes in the replacement value of such assets, less depreciation.

More specifically, the derivation of the series in 1929 dollars involved the following steps:

- a. Finding a base-year figure. For steam railroads, the base-year value was derived from an ICC estimate for January 1, 1937. For electric light and power companies, the value of plant and equipment was assumed to be zero as of January 1, 1881. For telephones, the value for 1880 was derived from estimates of gross capital expenditures in 1878 and 1879. For street and electric railways, the value for 1870 was obtained from the reports submitted to State railroad commissions. For local buslines, it was assumed that net value for 1910 was less than \$100,000.
 - b. Converting the base-year figure into 1929 dollars.
- c. Deriving the series on net capital expenditures in 1929 prices. This series was obtained by deducting the estimated annual amounts of "true" depreciation from the figures on gross capital expenditures for the corresponding years.
- d. Applying the series on net capital expenditures to the base-year value.

The series in current dollars for each class of utilities was obtained by multiplying the values in 1929 dollars by the construction cost index applicable to that class.

V 285-305. Assets, liabilities, and selected income items for two samples of large manufacturing corporations, 1914-1943.

Source: National Bureau of Economic Research, unpublished data.

These series represent financial data for two samples of large corporations (companies with total assets over \$10 million each). The data for 1914–1922 are based on a sample of 81 corporations, and the data for 1922–1943 are based on a sample of 84 corporations. These sample materials make it possible to examine financial developments in manufacturing during World War I and the early part of the interwar period, for which time no aggregate data are available.

For both samples, companies were selected from among the largest and most important concerns in 11 major manufacturing industries. A few of the very large corporations (e.g., Ford Motor Company) had to be omitted because of lack of published financial statements, but the number of such omissions was small. Consequently, both samples, though small in terms of the number of firms included, represent substantial portions of the entire manufacturing universe in terms of total assets and total volume of operations. For example, in 1933 the sample represented 29 percent of the total assets of all manufacturing corporations and as much as 45 percent of the total assets of all large manufacturing corporations (with total assets over \$10 million). (See A. R. Koch, The Financing of Large Corporations, National Bureau of Economic Research, New York, 1943, p. 13.)

In the sample for 1914-1922, data were not available for 8 companies in 1914, 3 companies in 1915, 1 company in 1916, and 1 company in 1917. In the sample for 1922-1943, 3 companies had to be

omitted in 1922, 1 in 1923, 1 in 1924, and 1 in 1925. Since the excluded firms were among the smallest in the samples, however, their omission had a relatively minor effect on the composite balance sheets and income statements.

The amounts of total assets, income, and dividends for the sample for 1922-1943 are considerably greater than those for the sample for earlier years. This is due to the fact that in a number of cases larger companies were substituted in the sample for 1922-1943 for smaller concerns included in the sample for 1914-1922. These differences should be borne in mind when trends over the entire period are examined.

For a more detailed description of these samples, see the unpublished manuscript, Corporate Financial Data for Studies in Business Finance, May 1945, available at the National Bureau of Economic Research.

The accounting terms used in these series are defined as follows:

Total assets: Sum of all asset items less depreciation and revaluation reserves.

Cash: Cash on hand and bank deposits.

Marketable securities: Government securities; call and time loans.

Receivables: Notes and accounts receivable less bad debt reserve. Inventory: Raw materials; goods and work in process; finished goods; supplies—less reserves for inventory.

Investments and advances: Investment in, or advances to, subsidiaries or affiliated; other stocks and bonds.

Fixed assets (net): Land; plant; machinery; equipment; non-operating property—less reserves for depreciation, depletion, and obsolescence.

Other assets: Prepaid expenses; deferred charges; intangibles; due from officers, directors, and stockholders; cash set aside for specific purposes or not available for immediate use.

Notes payable: All notes or bills to banks, trade, and others. Accounts payable: Accounts payable to trade.

Other current liabilities: Accruals and current reserves.

Long-term debt: All funded debt or mortgages, whether current or not, less sinking fund when listed on asset side; purchase obligations.

Other liabilities: Minority interest; deferred liabilities; amounts appropriated from surplus for specific purposes; due to officers, employees, and affiliates.

Preferred stock: Preferred and debenture stock less treasury preferred stock when listed on asset side.

Common stock: Common stock (A and B) or capital stock less common treasury stock when listed on asset side.

Capital reserves: Special appropriations from income or surplus for contingencies.

Surplus: Capital and earned surplus less profit and undivided surplus when carried on asset side.

Net income: Net amount after all expenses, interest, and taxes. Dividends: Cash dividends on preferred and common shares. Stock dividends are not included.

V 306-332. Business expenditures for new plant and equipment 1947-1970.

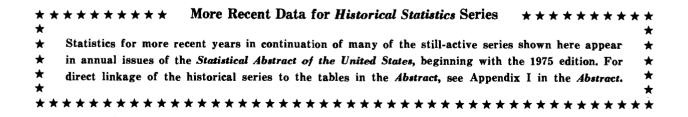
Source: U.S. Office of Business Economics (OBE), 1947–1969, Survey of Current Business, January 1970, p. 25–39; 1970, Survey of Current Business, March 1971, p. 20. Series prepared jointly with U.S. Securities and Exchange Commission (SEC).

These series measure estimated expenditures for new structures and additions to existing plants (including major alterations), as well as expenditures for new machinery and equipment that are chargeable to fixed asset accounts. They include expenditures for replacement purposes and for additions and modernization and exclude expenditures for land, costs of maintenance and repairs, items charged off as current operating expense, new facilities owned by the Federal Government and operated under contract by private companies, and plant and equipment furnished a company by communities and organizations

Coverage is extended to all private nonagricultural business except real estate operators; medical, legal, educational, and cultural services; and nonprofit membership organizations. The data generally reflect company expenditures, aggregated on a fully consolidated basis, rather than individual establishment data. Each company is assigned an industry classification on the basis of its primary activity, utilizing the Standard Industrial Classification system. Thus, the total capital expenditures of a company for both its primary and secondary activity are included under the assigned industry category. The possible effect of the aggregation of company data in this manner is that the expenditures of one industry could be included in a different industry's total.

Data on plant and equipment expenditures appearing prior to 1947 in a similar OBE-SEC series are not entirely comparable to the series for 1947 to 1970, due to revisions that have occurred. The effect of the revisions, which are benchmarked to data from the 1958 and 1963 censuses, was to increase the rate of growth of capital expenditures over the period for both manufacturing and nonmanufacturing industries.

The gross national product (GNP) series on fixed nonresidential investment (F 54-56) differs from these series in definition and industry coverage. The GNP investment accounts cover capital expenditures of farm enterprises, professional persons, real estate operators, and nonprofit institutions and include oil well drilling costs charged to current expense, automobile costs used for business purposes, net purchases of used capital goods from government, and dealers' margins on used capital purchases, all of which are not covered or included by these series. The national accounts investment data are derived in a largely indirect manner from a variety of sources, with the equipment component resulting from the utilization, basically, of the commodity flow technique that provides commodity detail. The structures component is obtained in an equally indirect manner from Census Bureau construction data and other sources. In contrast, the OBE-SEC series is based primarily on sample survey results and provides expenditure estimates by purchasing industry.



Series V 108-140. Corporate Asset, Liability, Income, Deduction, Tax, and Profit Items, and Dividends Paid, for All Industries: 1926 to 1970
[In millions of dollars, except number of tax returns]

		[210 11011110	ns or donars,	Cacopt name		,				
Series No.	Item	1970	1969	1968	1967	1966	1965	1964	1963	1962
108	Number of corporate tax returns	1,665,477	1,658,820	1,541,670	1,534,360	1,468,725	1,423,980	1,378,517	1,323,187	1,268,042
109 110 111 112 113 114 115	Total assets	176,925 594,637 190,402 196,625 728,982 599,465 147,671	2,445,628 162,615 562,102 184,583 178,235 670,558 561,306 126,230	2,215,625 150,295 499,397 164,433 185,394 607,045 504,865 104,195	2,010,443 139,984 449,222 151,581 173,181 538,902 467,446 90,129	1,844,775 126,255 414,384 141,019 157,573 497,410 432,034 76,101	1,723,524 117,060 392,252 126,341 156,916 463,378 395,297 72,282	1,585,619 113,742 845,822 112,960 155,835 428,611 865,551 64,097	1,481,236 108,775 330,953 106,340 150,553 383,014 342,026 59,577	1,388,127 (NA) (NA) 100,327 (NA) (NA) (NA) (NA)
117 120 121 122 123 124 125	Total liabilities	2,634,707 148,813 170,884 362,700 1,199,898 } 201,214	2,445,628 144,177 157,349 326,039 1,090,505 195,548	2,215,625 124,111 125,490 285,612 1,013,801 181,314	2,010,443 110,780 104,564 252,423 929,631 176,709	1,844,775 99,226 98,167 232,506 847,794 167,778	1,723,524 89,612 84,667 210,274 802,974 161,357	1,585,619 82,582 72,420 192,878 734,334 158,120	1,481,236 95,303 68,775 180,952 659,650 154,602	1,388,127 (NA) (NA) (NA) (NA) (NA) (NA)
126 127	Retained earnings, appropriated	16,657 534,540	15,598 516,413	18,845 466,451	18,873 417,462	17,800 381,503	18,619 356,022	18,689 326,596	20,596 301,357	(NA) (NA)
129 130 131 132 133 134 135	Total receipts Gross sales and receipts from operations Other receipts Total compiled deductions. Cost of goods sold and of operations Depreciation, depletion, and amortization Other deductions	1,750,728 1,620,887 129,842 1,682,779 1,146,263 59,310 477,206	1,680,482 1,560,830 119,652 1,598,348 1,104,572 55,483 438,293	1,507,786 1,403,500 104,286 1,420,309 989,550 50,710 380,049	1,374,599 1,285,000 89,599 1,295,348 908,598 46,567 340,183	1,306,518 1,224,370 82,148 1,225,225 866,425 42,803 315,997	1,194,601 1,120,382 74,219 1,119,860 792,953 39,189 287,718	1,086,739 1,018,889 67,850 1,023,680 722,477 36,486 264,717	1,008,743 949,549 59,194 953,006 672,972 34,129 245,905	949,305 895,120 54,185 898,463 638,036 32,007 228,420
136 137 138	Total receipts less total deductions Income and excess profits taxes Compiled net profit after taxes Dividends paid:	67,949 33,293 34,656	82,135 39,374 42,761	87,477 39,694 47,783	79,250 33,301 45,949	81,293 34,449 46,844	74,742 31,662 43,079	63,059 27,857 35,202	55,737 26,298 29,438	50,842 23,930 26,912
139 140	Cash and assets other than own stock Corporation's own stock	32,013 1,923	32,951 2,715	31,563 3,304	28,239 3,233	27,033 2,677	25,997 2,240	23,305 3,092	21,105 2,118	19,565 2,149
Series No.	Item	1961	1960	1959	1958	1957	1956	1955	1954	1953
108	Number of corporate tax returns	1,190,286	1,140,574	1,074,120	990,381	940,147	827,916	746,962	667,856	640,073
109 110 111 112 113 114 115	Total assets Cash Notes and accounts receivable less allowance Inventories Investments in government obligations Other investments Capital assets less reserves Other assets		1,206,662 97,162 242,416 91,334 135,180 308,293 293,215 39,061	1,136,668 91,856 227,994 88,304 134,293 284,440 275,772 34,008	1,064,481 93,248 210,141 80,047 132,947 260,419 259,613 28,065	996,400 89,222 198,226 80,560 121,621 236,356 244,463 25,952	948,951 89,780 210,392 78,744 122,071 198,829 225,862 23,278	888,621 87,375 191,779 70,920 131,898 179,558 206,388 20,703	805,300 81,723 158,738 62,914 131,409 160,553 191,437 18,527	761,877 80,171 148,282 65,519 123,599 147,188 180,612 16,506
117 120	Total liabilities	1,289,516 70,873	1,206,662 62,933	1,136,668 62,755	1,064,481 59,792	996,400 54,842	948,951 50,886	888,621 45,590	805,300 38,153	3761,877 35,554
121 122 123 124 125 126 127	Maturity less than 1 year a Maturity 1 year or more a Maturity 1 year	50,183 165,521 568,745 17,702 128,669 19,417 268,405	49,381 153,566 531,815 16,952 123,396 17,085	43,171 142,913 498,826 16,522 118,573 16,757	36,697 132,082 466,753 16,302 112,104 18,855	35,893 122,515 438,799 16,419 107,941 16,033	34,230 108,928 427,240 15,627 103,977 15,289	30,458 98,399 408,727 15,796 96,832 14,265	23,239 90,797 373,343 15,632 90,730 14,197	21,394 86,607 353,141 15,815 88,121 13,294 155,606
129 130 131 132 133 134 135	Total receipts Gross sales and receipts from operations Other receipts Total compiled deductions Cost of goods sold and of operations Depreciation, depletion, and amortization Other deductions	873,178 823,943 49,235 826,144 586,557 28,246 211,341	849,132 802,791 46,341 804,633 577,039 26,899 200,695	816,800 772,915 43,885 769,145 557,062 25,299 186,784	735,338 696,594 38,744 696,114 505,252 23,825 167,038	720,414 684,883 35,530 675,340 499,972 22,777 152,589	673,493 640,679 32,814 626,309 468,813 20,466 137,030	634,508 605,408 29,100 586,907 443,172 18,592 125,143	547,001 521,478 25,523 510,515 384,226 15,729 110,561	551,984 528,638 23,344 512,402 388,214 14,178 110,009
136 137 138	Total receipts less total deductions	47,034 22,188 24,846	44,499 21,866 22,633	47,655 22,525 25,130	39,224 18,814 20,410	45,073 20,582 24,491	47,184 21,222 25,962	47,601 21,536 26,065	36,486 16,682 19,804	39,582 19,693 19,889
139 140	Dividends paid: Cash and assets other than own stock Corporation's own stock	18,038 2,177	17,193 1,966	16,242 2,174	14,952 1,604	14,914 1,778	14,359 2,717	13,468 1,980	11,832 1,344	11,533 1,106
Series No.	Item	1952	1951	1950	1949	1948	1947	1946	1945	1944
108	Number of corporate tax returns	615,698	596,385	569,961	554,573	536,833	496,821	440,750	374,950	363,056
109 110 111 112 113 114 115	Total assets Cash Notes and accounts receivable less allowance Inventories Investments in government obligations Other investments Capital assets less reserves Other assets	721,864 79,597 140,902 64,520 120,303 132,512 169,546 14,485	647,524 76,853 119 314 63,776 108,939 104,883 159,325 14,484	598,369 71,018 108,639 54,496 109,822 96,760 144,691 12,944	543,562 63,864 85,526 44,726 110,969 91,152 135,617 11,709	525,136 65,737 84,597 48,293 104,819 84,202 125,650 11,838	494,615 64,369 75,959 44,009 108,774 78,363 112,194 10,946	454,705 58,502 61,371 36,965 109,910 77,089 100,329 10,541	441,461 57,717 51,630 26,067 129,935 74,026 92,057 10,029	418,324 52,783 47,894 26,476 111,219 74,392 95,128 10,431

CORPORATE ASSETS, LIABILITIES, AND INCOME

Series V 108-140. Corporate Asset, Liability, Income, Deduction, Tax, and Profit Items, and Dividends Paid, for All Industries: 1926 to 1970—Con.

[In millions of dollars, except number of tax returns]

									,	
Series No.	Item	1952	1951	1950	1949	1948	1947	1946	1945	1944
117 120	Total liabilitiesAccounts payable	721,864 35,827	647,524 33,352	598,369 31,298	543,562 24,896	525,136 26,302	494,615 25,537	454,705 21,336	441,461 17,455	418,324 17,805
121 122 123 124 125	Bonds, notes, and mortgages payable: Maturity less than 1 year 1 Maturity 1 year or more 1 Other liabilities Capital stock, preferred Capital stock common	20,996 80,628 330,406 15,831 85,365 13,472	19,240 72,835 283,058 15,595 82,804 12,739	15,845 65,719 261,899 14,906 79,310 12,410	11,801 61,851 236,716 15,365 78,944 11,178	12,225 57,326 232,064 14,957 76,774 11,345	11,289 50,108 227,114 15,007 72,463 11,303	9,504 44,968 214,283 14,857 68,334 11,004	7,208 40,987 221,286 14,764 64,747 11,057	7,056 42,454 200,550 15,112 64,785 12,200
127 128	Retained earnings, appropriated Surplus and retained earnings, unappropriated et 2 Less: Deficit 4	146,464 7,125	135,310 7,411	124,951 7,968	111,078 8,269	102,262 8,118	90,101 8,307	78,836 8,416	72,528 8,571	67,557 9,195
129 130 131	Total receipts Gross sales and receipts from operations Other receipts	525,011 503,365 21,647	511,849 492,373 19,476	452,528 434,666 17,856	387,636 372,005 15,629	405,430 390,382 15,049	361,521 347,946 13,575	288,917 270,984 12,938	252,636 241,456 11,180	258,880 249,129 9,750
132 133 134 135	Total compiled deductions Cost of goods sold and of operations Depreciation, depletion, and amortization Other deductions	486,504 371,597 12,433 102,474	468,354 363,046 11,090 94,218	409,988 317,378 9,489 83,128	359,505 275,585 8,521 75,400	371,182 290,405 7,939 72,838	330,314 258,146 6,383 65,782	258,893 199,552 4,972 54,370	231,417 178,187 6,531 46,698	232,426 183,179 5,563 43,686
136 137 138	Total receipts less total deductions	38,507 19,002 19,504	43,495 21,902 21,593	42,535 17,168 25,368	28,130 9,688 18,442	34,248 11,771 22,477	31,207 10,787 20,420	25,025 8,710 16,314	21,220 10,702 10,518	26,454 14,769 11,685
139 140	Cash and assets other than own stock Corporation's own stock	$^{11,196}_{1,360}$	11,219 1,425	$11,471 \\ 1,289$	9,464 678	9,305 1,0 22	8,285 696	7,378 523	6,009 332	5,957 235
Series No.	Item	1943	1942	1941	1940	1939	1938	1937	1936	1935
108	Number of corporate tax returns	366,870	383,534	407,053	413,716	412,759	411,941	416,902	415,654	415,205
109 110 111 112 113 114 115 116	Total assets Cash Notes and accounts receivable less allowance Inventories Investments in government obligations Other investments Capital assets less reserves Other assets	389,524 50,271 45,727,187 86,655 72,064 97,728 9,889	360,018 46,464 46,155 26,832 61,191 70,899 99,772 8,706	340,452 41,629 49,255 25,058 36,548 80,854 100,698 6,911	320,478 41,423 42,864 19,463 29,570 80,429 100,214 6,514	306,801 84,054 39,451 17,718 27,353 81,155 100,226 6,846	300,022 27,973 37,763 16,582 25,527 82,701 99,299 10,176	303,357 24,346 40,329 18,515 23,988 85,065 100,320 10,794	303,180 26,102 40,219 16,584 24,313 86,208 97,873 11,882	303,150 23,664 38,690 14,788 21,863 90,163 100,480 13,501
117 118 119 120	Total liabilities. Notes and accounts payable. Bouded debt and mortgages. Accounts payable.	389,524 	360,018 	340,452 	320,478 	306,801 14,506	300,022	303,357 	303,180 25,580 47,028	303,150 25,332 49,822
121 122 123 124 125 126 127	Bonds, notes, and mortgages payable: Maturity 1 year or more 1 Other liabilities. Capital stock, preferred Capital stock, common Retained earnings, appropriated Surplus and retained earnings,	6,770 43,735 175,859 15,067 64,481 12,409	7,205 45,040 151,088 15,473 65,828 10,581	9,242 49,542 122,728 16,214 71,577 10,065	7,987 49,199 110,210 17,138 72,292 8,358	8,027 49,388 98,016 17,213 73,482 7,889	8,104 50,278 90,455 18,108 74,792 7,301	10,373 49,326 87,276 18,364 77,339 58,524	97,109 18,591 78,072 48,043	89,066 19,533 82,733
128	unappropriated 2 Less: Deficit 4	63,427 9,720	58,201 10,454	56,593 11,858	53,275 12,676	51,302 13,022	50,367 13,131	12,594	11,237	12,163
129 130 131	Total receipts Gross sales and receipts from operations Other receipts	245,796 236,610 9,186	213,777 204,981 8,795	186,137 176,717 9,420	145,427 136,535 8,891	130,365 121,601 8,763	117,596 109,210 8,384	138,907 130,004 8,903	126,269 117,375 8,895	112,098 102,884 9,214
132 133 134 135	Total compiled deductions. Cost of goods sold and of operations. Depreciation, depletion, and amortization. Other deductions.	217,863 171,698 5,169 40,994	190,497 146,596 4,800 39,102	169,546 125,737 4,280 39,528	185,955 97,240 3,931 34,784	123,129 86,828 3,805 32,497	113,452 78,271 3,711 31,470	131,130 94,149 3,756 33,224	118,651 84,447 3,551 30,653	106,599 73,926 3,611 29,061
136 137 138	Total receipts less total deductions	27,933 15,752 12,181	23,280 12,138 11,141	16,592 7,064 9,528	9,472 2,525 6,947	7,236 1,217 6,019	4,144 844 3,300	7,777 1,246 6,531	7,618 1,145 6,473	5,500 722 4,778
139 140	Dividends paid: Cash and assets other than own stock Corporation's own stock	5,628 212	5,512 69	6,556 166	6,019 136	5,639 86	4,834 73	7,281 183	7,163 343	5,896 135
Series No.	Item	1934	1933	1932	1931	1930	1929	1928	1927	1926
108	Number of corporate tax returns	410,626	388,564	392,021	381,088	403,173	398,815	384,548	379,156	359,449
109 110 111	Total assetsCashNotes and accounts receivable less allowance	301,307 19,961	268,206 15,236	280,083 15,917	296,497 15,880	334,002 21,012	335,778 22,371	307,218 21,952	287,542 16,851	262,179 16,802
112 113 114 115 116	(except 1926) Inventories Investments in government obligations Other investments Capital assets less reserves Other assets	40,529 14,311 19,084 90,573 102,751 14,097	35,835 13,597 13,571 70,474 104,958 14,535	39,564 12,372 11,917 75,630 108,553 16,129	48,667 15,140 10,667 75,305 114,303 16,534	59,675 18,771 10,228 83,809 120,994 19,511	66,810 21,911 10,338 555,844 116,446 542,057	62,804 20,751 10,116 (5) 109,931 5 81,663	50,959 21,005 9,781 (5) 104,945 84,001	23,552 20,939 8,694 (8) 97,523 5 94,669

Series V 108-140. Corporate Assets, Liability, Income, Deduction, Tax, and Profit Items, and Dividends Paid, for All Industries: 1926 to 1970—Con.

[In millions of dollars, except number of tax returns]

Series No.	Item	1934	1933	1932	1931	1930	1929	1928	1927	1926
117 118 119 123 124 125 126	Total liabilities. Notes and accounts payable. Bonded debt and mortgages. Other liabilities. Capital stock, preferred. Capital stock, common. Retained earnings, appropriated.	301,307 27,021 48,604 84,096 19,976 84,970	268,206 19,362 45,883 75,384 18,394 74,088	280,088 20,562 47,222 78,730 19,076 78,413	296,497 23,251 48,101 81,782 19,217 79,794	334,002 26,870 50,282 95,568 19,117 87,067	335,778 29,453 46,643 99,314 19,738 85,520	307,218 27,437 42,943 93,950 18,475 77,256	287,542 24,126 37,740 93,274 17,800 74,081	262,179 24,042 31,801 87,076 17,146 67,517
127	Surplus and retained earnings, unappropriated 2	48,986	44,792	45,664	51,976	61,832	60,699	52,069	45,415	39,154
128	Less: Deficit 4	12,347	9,696	9,584	7,624	6,734	5,588	4,913	4,893	4,557
129 130 131	Total receipts Gross sales and receipts from operations Other receipts	99,095 90,738 8,357	82,148 74,952 7,196	79,701 71,226 8,475	105,238 694,989 10,249					
132 133 134 135	Total compiled deductions Cost of goods sold and of operations Depreciation, depletion, and amortization Other deductions	96,058 64,656 3,593 27,808	82,787 51,969 3,666 27,151	83,211 50,261 3,866 29,084	105,725 657,374 4,194 44,158	(7)	(7)	(7)	(7)	(7)
136 137 138	Total receipts less total deductions	3,037 586 2,451	⁸ 639 417 ⁸ 1,056	8 3,511 282 8 3,792	* 487 393 * 880					
139 140	Dividends paid: Cash and assets other than own stock Corporation's own stock	4,788 212	3,091 90	3,854 142	6,092 162	1	;			

⁴ For 1937–1953, this is the sum of all deficits reported (1953 deficit, \$7,655 million); for 1926–1936, sum of net deficits.
⁵ "Other investments" were included in "Other assets" for all corporations, 1926–1928, and for life insurance companies, 1929.
⁶ For 1931, gross profit was reported in lieu of gross receipts and cost of operations.
⁷ Not available separately for returns with balance sheets.
⁸ Loss.

Series V 141-166. Nonfinancial Corporations, Gross Product and Unit Costs: 1948 to 1970

Series No.	Item	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959
						I	BILLIONS C	F DOLLAR	8				
141	Gross product in current dollars	516.2	502.0	469.9	430.8	413.0	377.6	346.0	320.0	302.8	278.4	273.1	263.7
142 143 144 145	Capital consumption allowances less depreciation adjustment. Capital consumption allowances. Depreciation adjustment ¹ Indirect business taxes plus transfer payments less subsidies.	55.6 54.1 -1.5 49.9	50.0 49.5 4 47.1	44.4 45.4 .9 43.7	40.5 41.7 1.2 39.2	36.7 38.4 1.7 36.8	33.5 35.4 1.9 35.7	31.2 32.9 1.7 33.8	29.5 31.0 1.5 81.5	28.2 29.3 1.2 29.7	27.0 25.6 -1.4 27.7	26.0 24.3 -1.7 26.4	25.0 23.0 2.0 24.6
146 147 148 149 150	Income originating in nonfinancial corporations Compensation of employees	410.7 344.2 305.2 39.0 14.8	405.0 330.5 293.7 36.9 12.9	381.8 301.5 268.6 33.0 10.3	351.0 275.8 246.6 29.2 9.0	339.5 261.0 233.3 27.7 7.3	308.4 236.3 212.7 23.6 6.0	281.0 218.9 197.5 21.4 5.1	259.0 204.4 184.5 19.9 4.5	245.0 194.7 176.2 18.5 4.1	223.6 181.3 165.0 16.3 3.5	220.6 179.0 163.3 15.7 3.0	214.0 170.6 156.4 14.3 2.7
151 152 153 154 155 156 157	Corporate profits and inventory valuation and depreciation adjustments. Profits before tax. Profits at liability. Profits after tax Dividends. Undistributed profits	51.8 57.8 27.1 30.7 21.1 9.6 -4.5	61.6 67.6 33.4 34.2 20.9 18.3 -5.5	70.0 72.4 34.0 38.3 20.9 17.5	66.3 66.2 28.4 37.8 18.9 19.0 -1.1	71.2 71.2 30.1 41.2 18.2 23.0 -1.8	66.0 65.8 27.6 38.2 16.9 21.3 -1.7	57.0 55.8 24.3 31.4 15.0 16.5	50.1 49.1 22.9 26.2 14.3 11.9	46.1 44.7 20.9 23.9 12.8 11.1	38.8 40.3 19.8 20.5 11.6 8.9 1	38.6 40.1 19.5 20.6 11.6 9.0	40.7 43.2 20.8 22.5 10.9 11.6 5
						BILLI	ons of 19	58 DOLLAR	s	τ			
158	Gross product in 1958 dollars	425.0	430.5	415.0	390.2	385.0	357.8	329.7	308.0	292.9	270.6	267.1	260.8
							DOL	_ARS					
159	Current dollar cost per unit of 1958 dollar gross product	1.215	1.166	1.132	1.104	1.073	1.055	1.050	1,039	1.034	1.029	1.022	1.011
160	Capital consumption allowances less depreciation adjustment	.131	.116	.107	.104	.095	.094	. 095	.096	.096	.100	.097	.096
161	Indirect business taxes plus transfer payments less subsidies	.117	.109	.105	.100	.096	.100	.103	.102	.101	.103	.099	.094
162 163	Compensation of employees Net interest	.810 .035	.768 .030	.727 .025	.707 .023	.678 .019	.660 .017	.664 .015	.664 .015	.665 .014	.670 .013	.670 .011	.654 .010
164 165 166	Corporate profits and inventory valuation and depreciation adjustments Profits tax liability Profit after tax plus inventory valuation and de-	.122 .064	.143 .078	.169 .082	.170 .073	.185 .078	.185 .077	.173 .074	.163 .074	.158 .071	.144 .073	.144 .073	.156 .080
	preciation adjustments	.058	.066	.087	. 097	.107	.107	.099	.088	.086	.070	.071	.077

NA Not available.

¹ Prior to 1954, based on original maturity date; beginning 1954, based on date of balance sheet.

² Net amount beginning in 1954. For 1937–1953, this is the sum of all positive amounts reported; for 1926–1936, the sum of positive net surplus and undivided profits.

³ Includes deficit of \$7,655 million.

CORPORATE ASSETS, LIABILITIES, AND INCOME

Series V 141-166. Nonfinancial Corporations, Gross Product and Unit Costs: 1948 to 1970—Con.

Series No.	Item	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948
			<u> </u>			BILLIC	ONS OF DO	LLARS			<u> </u>	
141	Gross product in current dollars	236.0	241.9	231.2	216.3	191.6	194.7	182.0	174.3	151.7	133.3	137.0
142 143 144 145	Capital consumption allowances less depreciation adjust- ment	23.9 21.5 -2.4 22.8	22.8 20.4 -2.4 22.4	20.7 18.5 -2.2 20.8	18.5 17.1 -1.5 19.2	17.3 14.7 -2.6 17.4	16.6 12.9 -3.7 18.2	15.9 11.3 -4.6 16.8	14.7 10.1 -4.6 15.2	12.6 8.6 -4.0 14.0	11.3 7.8 -3.5 12.6	10.3 6.9 -3.4 12.1
146 147 148 149 150	Income originating in nonfinancial corporations Compensation of employees Wages and salaries Supplements Net interest	189.3 155.6 143.5 12.1 2.7	196.7 158.7 146.7 12.0 2.2	189.7 151.0 140.3 10.8 1.7	178.6 138.2 128.7 9.4 1.6	156.9 126.2 117.9 8.2 1.6	159.9 128.4 120.6 7.8 1.3	149.3 118.0 110.8 7.2 1.2	144.5 110.0 103.2 6.8 1.1	125.0 94.6 89.1 5.5 .9	109.4 85.1 80.9 4.2 1.0	114.6 87.6 83.6 4.0
151 152 153 154 155 156 157	Corporate profits and inventory valuation and depreciation adjustments. Profits before tax. Profits tax liability. Profits after tax. Dividends. Undistributed profits. Inventory valuation adjustment.	31.1 33.7 16.3 17.5 10.2 7.3 3	35.9 39.8 18.9 20.9 10.4 10.5 -1.5	36.9 41.8 19.8 22.1 10.1 11.9 -2.7	38.8 42.0 19.8 22.2 9.4 12.8 -1.7	29.1 32.1 15.7 16.3 8.2 8.1 3	30.2 34.9 18.5 16.4 8.0 8.4 -1.0	30.1 33.8 17.8 16.0 7.8 8.1 1.0	33.3 39.1 21.0 18.1 7.8 10.3 -1.2	29.5 38.5 16.7 21.7 7.9 13.8 -5.0	23.3 24.9 9.5 15.4 6.5 8.9 1.9	26.2 31.8 11.9 19.9 6.5 13.4 -2.2
						BILLIONS	o f 195 8 D	OLLARS	<u> </u>			
158	Gross product in 1958 dollars	236.0	247.2	244.0	237.2	213.4	219.8	207.1	203.5	186.4	165.6	172.9
			·	·			DOLLARS		·	-	*****	
159	Current dollar cost per unit of 1958 dollars gross	1.000	0.979	0.948	0.912	0.898	0.886	0.879	0.857	0.814	0,805	0.793
160	Capital consumption allowances less depreciation adjust-	.101	.092	.085	.078	.081	.076	.077	.072	.068	,068	.060
161 162 163	Indirect business taxes plus transfer payments less subsidies_ Compensation of employees Net interest	.097 .659 .011	.090 .642 .009	.085 .619 .007	.081 .582 .007	.081 .591 .007	.083 .584 .006	.081 .570 .006	.075 .541 .005	.075 .507 .005	.076 .514 .006	.070 .507 .005
164 165 166	Corporate profits and inventory valuation and depreciation adjustments. Profits tax liability Profits after tax plus inventory valuation and depreciation adjustments.	.132	.145 .076	.151 .081	.164 .084	.137 .074	.137 .084	.145	.164 .103	.158 .090	.141 .057	.151 .069

¹This is the difference between depreciation claimed on Federal tax returns, and depreciation valued at current (i.e., replacement) cost and computed on the straight-

line pattern with service lives 15 percent shorter than those shown in the Internal Revenue Service's Bulletin F.

Series V 167-181. Selected Corporate Asset, Liability, Income, and Tax Items, and Dividends Paid, by Industrial Division: 1926 to 1970

[In millions of dollars, except number of returns. Excludes returns not allocable to any industrial division]

				Se	lected ass	ets			Selected	liabilities					Divi-
Industrial division and tax year	Number of returns	Total assets or liabilities	Cash	Notes and accounts receiv- able less allow- ance	Inven- tories	Invest- ments	Capital assets less reserves	Accounts payable and short- term debt	Long- term debt	Capital stock	Surplus and retained earnings	Total receipts	Total receipts less total deduc- tions	Income tax	dends paid in cash and assets other than own stock
	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181
Mining: 1970	14,465 14,028 12,813 14,441 14,831	23,973 22,773 19,813 18,176 17,605	1,252 1,185 1,318 1,166 1,182	3,348 3,517 2,725 2,547 2,683	1,289 1,253 1,064 984 890	4,519 4,091 3,423 3,040 3,000	11,744 11,307 9,956 9,258 8,879	3,332 3,264 2,630 2,376 2,498	4,158 3,920 3,214 2,768 2,666	2,686 2,386 2,316 2,515 2,604	11,013 10,187 9,066 8,259 7,910	17,748 16,233 14,550 13,680 14,609	1,820 1,545 1,602 1,461 1,725	1,052 931 898 738 832	1,178 1,274 1,181 1,039 1,088
1965	13,285 14,487 14,878 13,539 13,731	16,546 17,724 17,341 17,942 17,944	1,120 1,232 1,150 (NA) 1,217	2,495 2,673 2,602 (NA) 2,409	850 939 948 1,004 1,000	2,870 2,951 2,922 (NA) 3,229	8,223 8,901 8,676 (NA) 9,437	2,179 2,177 2,124 (NA) 2,061	2,346 2,921 2,752 (NA) 2,977	2,277 2,681 2,867 (NA) 3,150	7,839 7,996 7,936 (NA) 8,035	12,602 13,314 13,055 12,529 12,258	1,389 1,230 1,213 797 865	658 620 660 534 534	909 934 1,067 946 898
1960 1959 1958 1957 1956	13,017 12,920 10,971 11,532 10,861	16,949 16,039 15,062 14,572 14,015	1,074 1,034 1,142 1,041 1,071	2,259 1,991 1,977 1,811 1,827	921 883 828 923 757	3,159 2,979 2,846 2,763 2,707	8,938 8,618 7,829 7,643 7,236	1,850 1,877 2,049 1,876 1,847	2,854 3,009 2,353 2,122 2,069	3,068 2,954 2,919 2,941 2,668	7,609 7,114 6,820 6,595 6,334	10,926 10,355 9,992 11,193 10,732	741 649 855 957 1,157	505 473 483 553 640	814 719 758 692 837

Series V 167-181. Selected Corporate Asset, Liability, Income, and Tax Items, and Dividends Paid, by Industrial Division: 1926 to 1970—Con.

	Ī				lions of d		cept numi	per of retu	rns] Selected l	liabilities					
Industrial division and tax year	Number of returns	Total assets or liabilities	Cash	Notes and accounts receiv- able less allow- ance	Inven- tories	Invest- ments	Capital assets less reserves	Accounts payable and short- term debt	Long- term debt	Capital stock	Surplus and retained earnings	Total receipts	Total receipts less total deduc- tions	Income tax	Dividends paid in cash and assets other than own stock
	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181
Mining—Con.: 1955 1954 1953 1952 1951	9,683 8,704 8,164 7,998 8,136	13,265 11,891 11,967 12,034 11,659	1,119 1,059 917 970 1,032	1,706 1,496 1,426 1,423 1,415	631 640 761 803 755	2,483 2,221 2,721 2,349 2,273	6,959 6,111 5,866 6,208 5,878	1,580 1,245 1,277 1,321 1,258	2,067 1,713 1,677 1,833 1,610	2,667 2,563 2,515 2,577 2,755	5,819 5,407 5,545 5,354 5,030	9,631 8,181 9,230 9,475 9,562	1,085 736 951 973 1,114	603 425 509 504 553	780 736 648 613 593
1950 1949 1948 1947 1946	8,045 8,094 8,025 7,280 6,759	10,844 9,261 9,042 7,186 5,949	1,031 871 971 785 641	1,312 889 991 789 601	643 569 551 410 341	2,187 2,000 2,023 1,506 1,152	5,395 4,636 4,271 3,516 3,050	1,139 933 916 825 639	1,629 1,278 1,176 830 719	2,682 2,493 2,526 2,266 2,055	4,584 3,901 3,653 2,755 2,162	8,493 6,730 7,782 5,881 4,240	1,086 698 1,143 788 332	443 265 408 286 131	549 417 463 315 207
1945 1944 1948 1942 1941		5,563 5,480 5,434 6,221 7,065	556 527 516 527 482	492 480 476 485 568	306 273 281 343 339	1,140 1,106 1,013 1,039 1,354	2,906 2,919 2,980 3,625 4,128	602 569 547 618 712	550 561 578 619 941	2,098 2,135 2,277 2,778 3,009	1,987 1,831 1,614 1,753 2,014	3,903 3,969 3,680 3,945 3,754	246 318 342 392 370	117 156 168 195 138	156 187 197 264 311
1940 1939 1938 1937 1936	8,885 9,287 9,468 11,467 11,531	7,362 7,331 7,545 9,146 9,199	488 408 314 333 315	556 550 502 677 678	309 321 342 340 278	1,355 1,372 1,406 1,737 1,671	4,432 4,450 4,688 5,748 5,850	753 804 838 1,004 1,041	1,056 1,000 999 1,125 1,046	3,285 3,374 3,547 4,458 4,590	1,937 1,858 1,846 2,165 1,853	3,219 2,843 2,489 3,273 2,756	212 138 52 297 168	67 37 28 58 36	280 216 200 361 274
1935	11,491 11,362 11,488 9,950 10,020 9,576	9,519 10,228 10,030 9,007 9,485 10,050	295 265 281 255 236 242	597 738 774 504 515 603	317 374 401 411 392 474	1,840 2,139 2,569 1,213 1,366 1,455	5,914 6,116 5,464 6,053 6,415 6,633	1,172 1,299 1,027 730 768 849	1,047 1,039 973 928 957 996	4,807 5,366 5,597 5,046 5,460 5,564	1,750 1,775 1,531 1,460 1,528 1,776	2,418 2,361 2,388 1,936 1,653 2,191	70 67 89 3149 3186 3202	22 22 22 10 7 7	255 265 188 91 102 170
1930 1929 1928 1927 1926	10,025 10,219 10,366 11,298 11,641	11,395 11,832 10,799 11,565 12,172	331 421 413 360 409	730 837 745 703 763	444 694 516 681 636	1,734 1,611 264 262 299	7,259 7,264 6,647 7,495 7,967	1,028 975 854 918 902	941 1,087 976 912 1,008	5,785 6,252 5,793 6,240 6,714	2,166 2,566 2,004 1,863 1,638				
Manufacturing: 1970 1969 1968 1967 1966	197,807 202,102 191,915 197,023 187,642	612,913 572,127 500,564 448,026 405,967	21,173 21,026 21,271 20,432 18,993	132,068 125,403 105,122 92,521 84,669	112,824 108,635 98,231 91,955 85,829	94,854 89,830 75,725 63,185 56,624	204,009 191,253 170,505 155,823 140,711	115,429 106,172 85,609 73,556 65,561	110,030 95,725 81,132 69,703 59,844	65,112 64,673 60,177 59,848 56,996	248,572 239,523 216,589 198,661 180,233	722,911 710,084 648,965 590,822 571,009	30,456 40,386 43,560 39,486 43,490	16,981 21,621 22,427 18,589 20,143	14,616 16,029 14,461 13,215 12,879
1965 1964 1963 1962 1961	185,924 184,961 181,800 183,149 173,558	311,524 335,190 310,207 292,640 275,964	18,673 17,817 17,468 (NA) 16,064	76,544 67,449 55,906 (NA) 48,810	75,994 68,108 64,664 60,941 57,523		125,493 113,693 104,782 (NA) 96,917	56,159 48,849 43,692 (NA) 37,893	50,997 43,969 38,673 (NA) 35,133	56,096 55,230 54,029 (NA) 52,429	165,482 150,132 139,432 (NA) 124,087	514,719 464,820 429,507 407,865 377,580	39,509 32,552 28,825 25,386 22,538	18,415 15,488 14,823 12,643 11,403	12,205 11,509 10,330 9,508 8,409
1960			15,373 15,239 16,231 15,165 15,514	43,378 42,245 39,609 36,083 86,276	55,763 54,799 49,643 50,358 49,788	44,190 42,559 36,414 33,574 32,274	94,201 89,997 87,783 83,801 77,330	34,870 33,444 30,226 28,434 29,338	33,177 32,132 31,274 29,032 26,121	l .	1	371,093 363,157 326,940 330,749 316,679	22,200 25,026 18,424 22,677 24,504	11,862 12,435 9,877 11,481 12,209	8,028 7,666 7,239 7,366 7,121
1955 1964 1963 1962 1962	124,199 115,820 115,254 113,711 114,142	201,360 181,891 176,805 170,282 160,876	15,999 15,745 14,847 14,748 14,542	82,880 27,767 26,368 26,907 24,011	44,422 39,872 42,992 41,801 40,774	34,095 28,730 27,267 25,922 26,014	69,892 65,364 61,657 57,723 52,643	25,853 22,257 22,258 22,783 20,823	22,426 21,547 20,392 19,372 15,797	42,986 40,519 39,265 38,730 37,676	79,384 74,549 70,767 67,049	303,211 264,966 278,495 258,969 252,956	25,816 18,194 21,290 20,228 24,697	12,891 9,385 12,054 11,348 14,060	6,770 5,818 5,848 5,665 5,715
1950	109,587 110,269 110,078 105,390 92,771	141,600 123,755 121,708 111,356 96,300	13,370 12,610 11,778 11,884 11,042	21,753 16,067 17,090 16,138 13,517	33,008 27,780 30,355 27,634 23,282	24,528 20,789 18,685 17,774 16,561	46,377 44,118 41,227 35,380 29,414	17,559 13,286 15,258 14,750 12,647	12,269 12,262 11,757 9,906 7,879	35,502 34,780 33,577 32,577 30,015	54,105 50,506 44,097 37,574	218,272 185,285 198,260 178,173 137,087	23,608 14,158 17,985 16,477 11,508	10,575 5,446 6,760 6,241 4,543	6,087 4,838 4,617 4,143 3,878
1945 1944 1943 1942 1941			11,270 11,918 11,752 9,075 6,149	13,569 14,552 15,010 13,809 10,858	17,256 18,421 19,155 18,433 16,178	21,076 21,836 18,501 14,587 10,781	25,145 25,921 27,037 26,607 24,727	11,056 12,501 12,540 11,133 9,151	6,385 6,332 6,573 6,219 5,702	28,445 28,335 27,378 27,113 25,476	34,735 33,310 27,958 22,922	140,155 152,673 144,560 117,895 91,606	10,179 14,754 16,428 13,554 10,310	6,064 9,318 10,430 8,158 4,881	2,801 2,828 2,596 2,486 2,800
1940			5,744 4,570 4,003 3,283 3,522	8,412 7,427 6,761 7,004 7,368	12,334 10,993 10,192 11,454 10,029	9,349 9,507 9,444 9,525 9,524	23,605 23,060 21,544 21,537 20,690	7,311 6,996 6,456 7,271 7,096	5,418 5,255 5,274 4,904 4,256	25,429 25,640 25,847 25,951 25,622	18,734 16,756 15,413 15,288 12,845	66,246 57,603 50,489 61,560 55,378	5,313 3,571 1,615 3,686 3,636	1,544 629 372 641 587	2,390 2,170 1,634 2,899 2,867
1935 1984 ¹ 1984 ² 1983 1992 1931	85,817 85,499 88,371 82,836 82,083 80,106	52,682 52,531 66,626 57,753 59,023 63,801	3,389 3,006 3,371 3,084 8,343 3,458	7,376 7,483 10,178 6,765 6,541 7,819	8,705 8,319 8,612 8,084 7,310 9,003	9,688 9,663 17,130 11,481 11,651 10,120	20,231 20,451 22,889 24,384 25,622 27,286	6,745 6,768 9,653 5,722 5,507 6,017	4,387 4,025 5,122 5,021 5,226 5,581	25,882 26,930 33,847 30,398 31,186 32,329	11,729 11,201 13,981 12,943 12,790 15,310	47,473 40,581 44,754 34,943 31,850 43,534	2,494 1,387 1,959 502 31,468 8308	355 263 289 206 100 164	2,184 1,578 2,071 1,159 1,324 2,276
1930	85,520 86,112 84,925 84,776 84,251	69,245 70,282 67,060 65,582 64,727	3,960 3,847 3,895 3,525 3,528	8,730 9,572 9,502 8,946 8,567	11,157 12,614 12,011 11,884 12,284	11,062 9,154 2,183 2,036 1,822	28,987 28,235 27,025 26,007 26,619	6,852 7,418 7,449 7,349 7,216	5,879 5,450 5,446 4,806 4,340	33,855 33,228 32,491 81,553 31,412	18,267 19,466 17,526 16,496 14,862				

Series V 167-181. Selected Corporate Asset, Liability, Income, and Tax Items, and Dividends Paid, by Industrial Division: 1926 to 1970—Con.

				Se	ected asse	ets	· · · · · · · · · · · · · · · · · · ·		Selected	liabilities	.				Divi-
Industrial division and tax year	Number of returns	Total assets or liabilities	Cash	Notes and accounts receiv- able less allow- ance	Inven- tories	Invest- ments	Capital assets less reserves	Accounts payable and short- term debt	Long- term debt	Capital stock	Surplus and retained earnings	Total receipts	Total receipts less total deduc- tions	Income tax	dends paid in cash and assets other than own stock
	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181
Public utilities: 1970		287,740 262,357 238,568 221,144 204,061	5,335 4,917 4,986 4,647 4,674	15,039 14,543 12,012 10,892 9,999	6,999 6,035 5,189 4,947 4,243	26,892 21,142 17,178 15,889 14,848	219,812 203,320 188,705 175,641 161,985	21,642 19,905 16,205 13,123 11,561	114,438 101,598 93,636 85,760 77,090	51,166 47,672 45,890 44,594 42,742	66,184 60,673	135,492 125,262 112,587 102,398 97,098	7,561 10,068 10,526 10,617 11,628	4,372 5,578 5,639 5,029 5,383	5,838 5,678 5,439 5,146 4,953
1965	59,676	186,854	4,257	8,357	3,812	13,150	150,025	9,832	69,454	40,746	49,092	88,957	10,711	4,951	4,590
	56,338	174,913	4,028	7,384	3,471	12,962	140,084	8,258	65,027	40,496	44,458	81,726	9,760	4,741	4,214
	56,291	167,379	4,120	6,951	8,310	12,499	133,984	8,340	62,211	39,650	41,133	77,870	8,947	4,570	3,801
	52,701	161,025	(NA)	(NA)	3,112	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	73,156	8,026	4,180	3,579
	49,048	155,535	3,893	6,140	3,126	12,322	124,624	7,241	60,955	38,779	85,941	68,154	7,496	3,916	3,440
1960	43,852	144,774	3,632	5,747	3,093	10,296	117,081	7,606	55,791	36,287	33,877	65,922	6,602	3,695	3,199
	43,195	137,319	3,559	5,439	3,007	10,437	110,216	6,961	52,321	35,414	32,421	62,309	6,798	3,528	3,040
	85,161	128,678	3,672	5,019	2,710	9,736	103,747	6,379	49,166	34,151	30,637	55,788	5,719	2,994	2,803
	34,492	121,316	3,666	4,834	3,004	9,200	97,083	6,315	45,905	32,350	28,623	55,834	5,753	2,953	2,682
	82,895	113,838	3,641	4,603	3,050	9,155	89,978	6,123	41,317	32,150	25,726	52,070	5,953	3,017	2,535
1955	29,704	106,378	3,634	3,904	2,623	9,436	83,444	5,164	38,727	30,183	24,157	47,983	5,763	2,895	2,380
1954	26,067	98,637	3,658	3,495	2,468	8,567	77,608	4,260	36,556	28,810	21,641	42,038	4,424	2,296	2,057
1953	26,314	95,220	3,281	3,732	2,381	10,429	72,862	4,213	35,053	28,517	20,303	40,570	5,018	2,587	2,012
1952	25,139	90,041	3,503	3,703	2,352	10,537	67,517	4,111	33,062	27,159	18,824	38,348	4,900	2,472	1,909
1951	23,641	84,707	3,170	3,553	2,360	10,258	62,955	3,902	31,275	26,084	16,747	36,007	4,676	2,299	1,782
1950	22 973	79,209	3,178	3,296	1,909	10,259	57,444	3,688	28,912	25,034	15,714	31,857	4,312	1,752	1,640
1949		71,620	2,853	2,621	1,756	8,295	53,986	3,411	25,534	24,349	13,624	28,410	2,835	1,041	1,303
1948		73,705	2,876	2,565	2,059	13,993	50,001	3,573	26,125	25,828	13,033	29,272	3,413	1,189	1,432
1948		68,037	2,921	2,476	1,811	12,512	46,092	3,349	23,425	24,182	11,947	25,957	2,662	979	1,292
1947		63,812	2,858	2,276	1,427	12,256	42,756	2,669	21,463	23,964	10,685	22,738	2,336	891	1,338
1945	16 656	63,217	2,754	2,203	1,115	12,962	41,955	2,287	20,902	23,619	10,701	22,485	2,928	1,538	1,288
1944		64,958	2,703	2,275	1,096	12,945	43,635	2,221	21,854	23,804	9,967	22,328	4,188	2,382	1,221
1948		64,910	3,130	2,391	991	12,171	44,117	2,233	22,863	23,593	9,149	21,186	4,500	2,402	1,171
1942		63,581	2,476	2,059	1,027	11,336	44,647	2,090	23,652	23,765	8,267	18,450	3,624	1,567	1,118
1942		58,472	2,024	1,628	1,013	6,179	45,966	2,059	23,709	21,926	6,183	15,739	1,918	695	1,068
1940		56,748 60,230 60,843 64,648 62,715	1,851 1,582 1,444 1,181 1,499	1,440 1,394 1,422 1,592 1,602	745 715 692 818 651	5,243 8,031 8,159 8,825 8,377	45,977 46,694 47,064 49,629 47,678	2,118 2,801 2,830 2,925 2,987	23,331 23,994 24,418 25,803 24,619	21,661 23,602 23,815 25,420 24,786	5,955 6,250 6,468 7,172 5,263	18,574 12,945 12,037 13,235 11,938	1,320 1,179 687 1,084 980	359 215 166 192 166	1,067 1,196 1,114 1,334 1,285
1985	21,149	66,478	1,233	1,869	617	10,050	49,581	3,189	26,391	26,119	6,243	11,353	638	126	1,281
	21,265	68,461	1,306	2,660	629	10,535	50,472	3,908	25,654	27,131	6,785	10,997	631	126	1,218
	21,329	83,990	1,510	4,027	729	23,505	50,501	5,178	29,726	34,352	8,291	11,556	669	118	1,299
	17,706	69,049	1,290	2,210	741	11,823	50,141	2,798	26,959	26,191	8,000	10,110	249	92	994
	17,547	72,149	1,299	2,539	713	12,956	50,058	3,382	27,006	27,793	8,036	10,735	341	97	1,300
	16,457	72,337	1,333	2,826	889	11,616	52,214	3,494	27,024	26,642	10,332	13,297	958	104	1,789
1930 1929 1928 1927 1926	17,248 17,258 16,770 16,858 18,297	80,479 77,792 71,380 66,559 57,245	1,693 1,634 1,571 1,549 1,358	3,670 3,974 3,628 2,115 1,528	973 1,119 1,000 1,024 942	14,505 9,614 475 272 285	55,060 52,205 48,887 46,487 40,699	4,146 4,449 3,585 2,604 2,337	28,739 26,619 25,696 23,542 19,932	28,345 28,131 25,741 25,296 20,466	12,431 10,955 9,837 7,594 6,045				
Trade: 1970. 1969. 1968. 1967. 1966.	518,062	192,181	13,533	51,998	58,747	16,748	39,084	66,173	24,835	23,304	55,708	522,546	9,636	4,485	2,069
	524,586	184,644	12,666	51,349	58,695	15,034	35,488	63,934	22,115	23,464	53,376	508,265	10,728	4,889	2,470
	471,987	162,115	11,878	46,232	51,054	13,501	30,538	54,626	19,110	21,232	48,774	451,898	10,317	4,570	2,138
	465,841	144,129	11,163	41,023	45,794	11,597	27,212	47,802	15,950	20,638	43,739	410,870	8,834	3,641	1,885
	453,174	135,943	10,011	39,834	43,300	11,009	25,307	45,994	14,979	19,969	40,226	389,155	8,215	3,361	1,780
1965	440,304	125,487	9,708	37,696	39,410	10,353	22,693	41,329	13,568	19,049	36,744	365,166	7,623	3,193	1,653
	421,553	113,939	9,343	34,055	34,892	9,828	20,434	35,361	12,475	18,769	33,803	335,319	6,641	2,843	1,462
	403,435	105,722	8,723	30,665	32,523	9,812	18,761	31,531	11,949	18,447	51,543	309,590	5,366	2,593	1,250
	388,852	101,563	(NA)	(NA)	30,715	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	298,336	5,179	2,508	1,314
	364,947	94,591	8,262	27,566	28,783	9,429	16,257	27,947	10,390	17,479	29,278	270,847	4,573	2,272	1,239
1960		92,219 87,557 79,346 76,830 73,468	8,423 7,651 7,484 7,046 6,917	26,386 26,113 23,654 21,767 21,134	28,434 26,704 24,230 24,021 23,124	9,296 9,122 7,635 7,582 6,856	15,891 14,998 14,001 13,843 13,280	27,247 25,252 22,559 21,888 21,134	9,894 9,624 8,350 7,335 6,478	17,401 16,508 15,656 15,534 15,017	29,057 28,253 26,355 25,568 24,496	229,816	4,585 5,578 4,411 4,725 5,239	2,359 2,640 2,228 2,392 2,532	1,232 1,131 982 1,036 1,060
1955		69,113	6,808	20,287	21,578	6,533	12,037	19,460	5,795	14,366	23,500	204,924	5,099	2,435	998
1954		59,132	6,317	16,594	18,138	5,651	10,695	15,402	4,973	12,856	21,066	170,589	3,629	1,867	909
1958		56,370	6,185	15,193	17,828	5,445	10,263	13,902	4,968	12,608	20,197	167,705	3,922	2,050	926
1952		55,792	6,023	15,365	17,802	5,169	10,145	14,043	4,572	12,468	20,058	166,063	4,388	2,226	989
1951		55,102	5,992	14,682	18,089	5,272	9,831	13,536	4,401	12,282	19,856	166,422	5,473	2,754	1,076
1950 1949 1948 1947	193,496 187,520 181,353 163,300 139,816	51,759 42,985 42,270 38,122 31,958	5,547 5,348 5,322 5,049 4,300	14,068 10,778 10,354 9,169 7,130	17,394 13,446 14,016 12,758 10,746	4,558 4,257 4,120 4,044 4,213	9,028 8,081 7,417 6,158 4,732	13,115 9,528 9,770 9,279 7,803	3,951 3,286 3,088 2,621 2,017	11,518 10,946 10,505 9,516 8,434	18,585 15,853 15,025 12,876 10,459	152,895 129,965 135,092 120,960 94,936	6,273 3,810 5,681 5,969 5,487	2,593 1,469 2,094 2,174 1,992	1,135 965 1,063 980 915

Series V 167-181. Selected Corporate Asset, Liability, Income, and Tax Items, and Dividends Paid, by Industrial Division: 1926 to 1970—Con.

[In millions of dollars, except number of returns]

	!			Sel	ected asse	ets			Selected	liabilities					Divi-
Industrial division and tax year	Number of returns	Total assets or liabilities	Cash	Notes and accounts receiv- able less allow- ance	Inven- tories	Invest- ments	Capital assets less reserves	Accounts payable and short- term debt	Long- term debt	Capital stock	Surplus and retained earnings	Total receipts	Total receipts less total deduc- tions	Income tax	dends paid in cash and assets other than own stock
	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181
Trade—Con.; 1945	110,587 106,193 107,667 114,165 123,439	24,041 22,674 21,489 21,063 22,134	3,946 3,505 3,152 2,687 1,920	4,636 4,678 4,494 5,021 6,454	6,582 5,941 6,032 6,313 6,841	4,675 4,289 3,495 2,564 2,325	3,532 3,543 3,661 3,870 4,068	5,034 4,673 4,426 4,977 6,356	1,366 1,305 1,311 1,467 1,718	7,182 6,999 7,026 7,063 7,500	8,045 7,320 6,615 5,795 5,099	65,654 60,660 57,198 54,642 56,512	3,337 3,228 3,057 2,548 2,071	1,886 1,895 1,760 1,385 853	547 543 530 487 576
1940 1939 1938 1937 1936	125,474 124,627 124,765 128,200 130,073	19,514 19,030 18,346 18,853 18,224	1,684 1,501 1,452 1,287 1,314	5,626 5,224 4,990 5,180 5,224	5,522 5,157 4,808 5,328 5,054	2,203 2,714 2,660 2,561 2,160	4,003 3,961 3,655 8,671 3,615	5,366 5,071 4,781 5,382 5,381	1,537 1,544 1,461 1,279 998	7,494 7,822 7,900 7,902 7,648	4,172 3,824 3,456 3,348 2,788	46,060 41,849 37,974 44,199 40,532	1,089 830 485 845 915	292 165 113 166 167	504 497 432 702 736
1935	130,317 127,457 126,086 120,064 119,346 113,886	17,486 17,434 16,651 15,654 15,759 17,900	1,270 1,251 1,134 990 1,041 1,033	4,832 4,787 4,258 3,944 4,006 4,688	4,568 4,374 3,970 3,809 3,368 3,986	2,168 2,267 2,651 2,032 2,068 2,120	3,662 3,698 3,672 3,810 4,158 4,729	5,030 4,951 8,947 3,625 3,443 4,074	1,029 892 1,112 1,126 1,204 1,315	7,725 8,054 8,003 7,732 8,237 8,520	2,560 2,445 2,528 2,155 1,986 2,925	36,669 32,170 28,571 23,653 22,609 29,540	558 415 392 36 3705 3458	107 93 84 62 30 45	505 392 351 213 249 430
1930 1929 1928 1927 1926	119,792 117,583 114,068 110,280 100,395	20,115 21,842 21,481 20,083 19,140	1,269 1,283 1,293 1,198 1,164	5,652 6,305 6,297 5,614 5,632	5,046 5,862 5,908 5,631 5,569	2,032 1,764 325 403 357	4,889 4,967 4,910 4,309 4,079	5,029 5,730 5,646 5,046 4,997	1,331 1,252 1,044 846 584	9,174 9,317 9,252 8,858 8,558	3,619 4,204 4,359 3,832 3,502		1		l
Service: 1970	281,218 261,640 228,904 220,561 202,065	61,875 55,398 47,234 39,984 36,858	4,655 4,204 4,052 3,584 3,092	9,900 9,296 7,921 6,737 6,481	2,557 2,414 2,345 1,883 1,800	8,893 7,702 6,756 4,742 4,349	29,000 26,328 22,160 19,558 19,171	13,374 12,248 10,370 9,034 8,530	17,989 16,286 13,420 11,865 10,832	7,136 6,549 5,735 5,186 4,991	13,154 11,928 10,567 8,255 7,271	69,571 60,037 51,046 47,441 43,083	1,187 1,654 2,016 1,976 1,820	1,063 1,115 1,032 864 797	558 656 565 521 423
1965 1964 1963 1962 1961		33,481 29,951 27,526 25,219 22,829	2,773 2,545 2,345 (NA) 2,072	5,864 5,017 4,661 (NA) 4,001	1,585 1,546 1,319 1,113 1,095	4,329 3,751 3,466 (NA) 3,249	16,507 14,840 13,624 (NA) 10,762	7,684 6,713 6,025 (NA) 5,040	9,536 8,806 7,851 (NA) 6,353	4,628 4,489 4,327 (NA) 3,723	6,378 5,438 5,181 (NA) 4,811	38,377 34,101 31,615 28,095 25,920	1,582 1,154 908 837 893	699 587 558 524 525	377 297 285 221 233
1960 1959 1958 1958 1957 1956		19,853 18,355 15,870 14,858 13,090	1,787 1,736 1,613 1,506 1,430	3,449 3,160 2,902 2,481 2,220	856 807 837 772 718	2,799 2,720 2,129 2,159 1,881	9,538 8,737 7,558 7,111 6,190	4,418 4,003 3,605 3,244 2,823	5,444 4,790 3,963 3,734 2,904	3,272 3,056 2,581 2,593 2,317	4,401 4,448 3,173 3,705 3,661	23,347 22,227 18,295 17,779 16,273	853 970 749 784 840	486 491 412 423 409	277 215 181 187 189
1955 1954 1953 1952 1951	66,011 58,117 56,473 54,690 51,357	11,264 10,017 9,471 8,916 8,667	1,296 1,228 1,110 1,043 973	1,808 1,420 1,309 1,260 1,144	630 574 551 602 633	1,666 1,588 1,469 1,304 1,328	5,334 4,756 4,652 4,398 4,284	2,244 1,813 1,543 1,410 1,321	2,413 2,241 2,133 1,925 1,903	2,169 1,902 1,962 1,858 1,855	3,283 3,028 2,897 2,807 2,711	14,103 12,267 11,815 11,168 10,432	699 585 607 620 637	361 319 318 324 325	173 159 157 174 179
1950 1949 1948 1947 1946	39,896	8,053 7,063 6,950 6,517 5,869	913 854 827 814 755	996 810 779 724 631	570 467 546 618 537	1,271 911 990 919 991	4,004 3,726 3,516 3,135 2,692	1,252 1,059 1,035 1,003 816	1,717 1,531 1,493 1,389 1,273	1,834 1,750 1,689 1,595 1,517	2,461 2,059 2,061 1,867 1,631	9,350 8,850 8,766 8,285 7,143	568 534 623 720 785	236 212 241 260 284	170 154 172 184 203
1945 1944 1943 1942 1941	29,799 31,692 33,296	5,017 4,739 4,584 4,475 4,366	660 556 530 411 313	502 481 427 423 420	419 391 351 301 264	994 901 756 672 611	2,240 2,198 2,331 2,458 2,605	640 567 573 610 656	1,193 1,147 1,122 1,197 1,307	1,354 1,344 1,370 1,417 1,465	1,283 1,143 1,000 813 614	5,801 5,481 4,964 4,457 4,029	596 575 537 357 189	312 317 303 179 74	130 114 104 86 97
1940 1939 1938 1937 1936	33,816 49,751 48,590	4,273 4,255 4,294 10,835 10,853	303 261 241 356 365	386 388 406 558 602	213 218 205 175 167	640 626 625 970 1,077	2,586 2,610 2,496 8,271 8,085	675 686 714 1,384 1,408	1,269 1,289 1,811 5,128 5,002	1,485 1,579 1,564 3,101 3,185	573 422 400 529 175	3,702 3,512 3,409 4,605 4,345	117 85 59 36 13	38 26 23 33 31	90 85 83 148 156
1935		8,427 7,771 7,903 7,429 8,480 6,555	285 246 248 204 231 211	526 597 819 625 637 636	157 166 168 139 145 198	826 677 983 744 1,228 1,189	6,033 5,447 5,088 5,070 5,611 3,719	1,231 1,166 1,149 954 983 878	3,560 3,004 2,856 2,724 3,008 1,636	2,734 2,705 2,858 2,761 3,078 2,427	3 18 54 155 179 712 1,045	3,528 3,231 3,177 2,662 2,953 3,486	3 144 3 151 3 255 3 371 3 67	18 15 14 9 9	71 63 58 42 71 115
1930 1929 1928 1927 1926		7,518 7,820 5,857 5,618 4,873	292 440 249 240 300	686 833 548 459 384	241 191 178 177 184	1,705 1,876 43 37 42	3,880 3,814 3,521 3,840 2,783	963 954 928 869 821	1,719 1,563 1,291 1,163 842	2,573 2,519 2,386 2,189 1,963	1,716 1,982 697 736 596	l			

Series V 167-181. Selected Corporate Asset, Liability, Income, and Tax Items, and Dividends Paid, by Industrial Division: 1926 to 1970—Con.

				Sel	lected asse	ets.			Selected 1	iabilities					Divi-
Industrial division and tax year	Number of returns	Total assets or liabilities	Cash	Notes and accounts receiv- able less allow- ance	Inven- tories	Invest- ments	Capital assets less reserves	Accounts payable and short- term debt	Long- term debt	Capital stock	Surplus and retained earnings	Total receipts	Total receipts less total deduc- tions	Income tax	dends paid in cash and assets other than own stock
	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181
Finance, insurance, real estate, and lessors of real property: 1970 1969 1968 1967 1966	399,115	1,401,154 1,298,161 1,202,918 1,097,348	95,224	366,858 343,461 312,700 283,550	1,289 1,237 873 622	610,292	80,364 79,405 70,462 67,978	79,632 66,007 55,977	68,355 60,422	45,609 45,386 40,507 38,506	151,108 139,396	161,630 164,291 146,905 131,983	15,690 15,832 17,477 15,146	4,448 4,292 4,226 3,640	7,395 6.062
1965 1964 1963 1962 1961	388,428 383,727 375,375 359,229 340,210	764,797	84,934 77,347 76,053 72,434 (NA) 68,380	259,895 251,348 220,127 222,048 (NA) 163,801	298 857 355 216 231 176	562,048 528,586 497,949 448,210 (NA) 401,151	66,665 63,158 59,643 54,814 (NA) 46,495	45,370 43,745 63,195 (NA)	59,770 55,546 53,556 (NA)	35,621 83,673 31,942 30,848 (NA) 26,885	103,027 97,983 91,753 (NA)	110,466 101,297 93,843 81,859	12,731 12,429 10,640 9,739 9,847 10,051	3,202 3,115 3,059 3,119 3,092 3,138	5,924 4,627 4,080 3,778
1960		606,825 572,513 528,509	64,935 60,780 61,134 59,159 59,773	154,916 142,887 130,276 124,872 138,584	141 96 81 94 59	371,608 348,808 332,652 301,072 266,632	34,542 31,201	28,406 26,868	34,985	25,678 24,285 22,139 21,920 19,881	61,800	59,335 39,019	9,161 7,949 8,085 9,154 8,676	2,724 2,214	2,780 2,688
1955 1954 1953 1952 1951	213,680 187,172 175,653 166,749 158,335	374,891	57,210 52,413 52,637 52,174 50,129	126,800 103,697 96,456 88,544 70,912	47 48 31 27 23	255,680 243,959 222,418 206,476 167,642	22 609	11,364	22,724 21,378	17,825 17,484 16,911 16,424 15,769	45,124 89,979 85,153 32,351 26,788	29,406 25,829 23,343	8,543 8,308 7,167 6,662 6,088	2,068 1,879 1,745	1,817 1,712
1950 1949 1948 1947 1946	151,540 146,120 140,872 131,825 124,564	281,983 265,124 257,833	46,104 40,447 43,254 42,318 38,404	64,529 52,065 50,699 44,933 35,984	20 6 11 46 69	162,872 165,077 148,524 149,696 151,177	17,380 16,281	6,628 6,353	16,508 17,397 13,143 11,448 11,232	15,750 18,236 15,928 15,828 15,822	19,550 18,167	15,132 13,581	5,849 5,411 4,612 3,982 4,146	628	1,656 1,428 1,265
1945 1944 1943 1942 1941	116,186 113,221 112,892 114,866 120,647	221,043 194,564 175,483	38,105 33,152 30,714 30,837 30,434	24,624 22,026 23,185	46 35 51 68 107	162,424 143,870 122,082 101,264 94,928	16,384 17,255	3,241 3,937	10,286 10,937 10,916 11,507 15,734	15,562 16,000 16,514 17,631 26,732	14,818 13,654 13,079	9,614 9,001 8,749	3,680 3,123 2,686 2,385 1,499	544 455 387	1,004 965 1,004
1940 1939 1938 1937 1936	120,725 120,945 118,631 98,438 96,869	155,975 150,926 140,402	31,103 25,518 20,314 17,685 18,872	23,777 23,040 24,611	61 42 53 47 65	90,565 85,668 85,377 84,835 87,108	18,099 18,439 9,785	5,504 6,349	16.451	28,264 27,136 28,582 27,156 29,046	17,394 16,711 16,688 16,966 13,606	8,768 8,548 8,927	1,369 1,386 1,273 1,757 1,834	127 134	1,421 1,326 1,736
1935 1934 ¹ 1934 ² 1933 1932 1931		140,840 112,073 105,475 110,753	16,986 13,702 13,231 9,252 9,581 9,385	23,640 19,841 21,235 24,647	109 134 130 141 151 249	83,626 61,971	14,689 13,370 13,712 14,634	8,031 5,250 4,825 5,625	8,652 9,395	33,100 32,739 18,768 18,482 19,635 21,583	14,074 9,798 9,965 10,619	8,022 6,904 7,422 8,155	1,817 721 142 3 936 3 954 3 328	34 35	1,226 800 560 753
1930 1929 1928 1927 1926	114,275 113,463 108,123 106,016 98,417	125,692 112,917	13,207 14,471 14,278 9,721 9,778		675 1,068		17,819 16,969 15,251	8,654 7,724 6,179	10,135 8,103 6,047	23,682 18,056 15,725	15,108 11,995				
Construction: 1970	138,905 127,670 125,999 123,180 112,373	39,643 35,896 32,538	4,049 3,616 3,512 3,210 2,909	14,105 13,505 11,673 10,793 9,880	5,345 5,059 4,570 4,434 3,674	3,550 3,065 3,329 2,411 2,204	7,139	13,866 12,063 11,145	5,186 4,815 4,801 4,026 3,567	3,471	8,637 7,964 7,409 6,622 5,744	83,913 72,263 68 022	1,660 1,713 1,549	814 768 699	398 281 282
1965 1964 1963 1962 1961	113,284 104,134 96,466 90,604 83,791	21,395 19,467	2.153	9,098 7,744 7,295 (NA) 6,130	3,532 2,942 2,635 2,559 2,535	2,223 2,103 2,089 (NA) 1,753	5,525 4,788 4,234 (NA) 3,279	8,410 7,741 (NA)	2,734 2,637 (NA)	2,939 2,721 2,674 (NA) 2,383	4,917 4,257 3,928 (NA) 3,575	45 040	946 650 621	424 369 367	187 143 134
1960 1959 1958 1957 1956	72,332 66,260 56,181 50,425 45,223	15,367 14,222 13,204 11,935 10,386	1,625 1,559 1,659 1,401 1,184	5,584 5,589 6,132 5,894 5,167	1,643 1,562 1,303 1,040 929	1,453 1,424 1,314 1,057 882	2,905 2,639 2,321 2,117 1,835	5,096 3,943 3,520 3,243	1,308 1,034 731	2,115 1,971 1,856 1,692 1,500	2,838	32,140 28,234 26,744	670 745	332 356 383	91 89 95
1955 1954 1953 1952 1952	38,653 33,700 32,158 29,433 27,315	8,254 7,414 7,307	1,052 1,074 974 918 788	4,530 3,694 3,474 3,372 3,149	793	1,042 789 680 673 596	1,664 1,438 1,346 1,336 1,199	2,302 1,976 1,904	713	1,347 1,216 1,115 1,035 972	1,959 1,946	15,914 15,047	479 483 512 596 554	252 271 304	74 75
1950	25,344 23,402 21,293 18,398 14,406	4,637 4,203 3,419	523 409	1,881 1,457	428 475	502 429 364 328 287	810 651	1,043 1,020 897	291 297 252	911 832 749 633 517	866	9,691 9,198 6,899	545 511 569 386 231	196 207 137	71 67 42

Series V 167-181. Selected Corporate Asset, Liability, Income, and Tax Items, and Dividends Paid, by Industrial Division: 1926 to 1970—Con.

[In millions of dollars, except number of returns]

				Se	lected ass	ets			Selected	liabilities	·				
Industrial division and tax year	Number of returns	Total assets or liabilities	Cash	Notes and accounts receiv- able less allow- ance	Inven- tories	Invest- ments	Capital assets less reserves	Accounts payable and short- term debt	Long- term debt	Capital stock	Surplus and retained earnings	Total receipts	Total receipts less total deduc- tions	Income tax	Dividends paid in cash and assets other than own stock
	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181
Censtruction—Con.: 1945 1944 1944 1943 1942 1941	10,726	1,619	257	559	159	275	291	364	102	405	482	2,903	113	62	29
	10,326	1,629	263	555	147	308	274	345	101	401	492	3,106	138	89	25
	10,707	1,826	315	678	147	291	308	410	115	415	506	4,177	255	165	30
	11,729	2,082	315	934	177	262	309	568	107	430	500	4,661	337	204	32
	12,894	1,714	195	768	177	205	325	532	107	444	358	3,406	178	81	32
1940		1,445 1,370 1,364 1,702 1,689	157 146 134 140 126	608 529 460 543 544	117 121 116 170 159	182 159 188 240 244	321 326 385 494 493	434 395 341 415 436	93 95 98 152 135	458 482 515 604 608	260 213 225 287 188	2,439 2,159 1,882 2,355 1,927	70 35 28 47 38	23 11 10 14 11	30 28 23 49 49
1935	14,117	1,613	123	426	125	288	485	372	140	668	158	1,425	5	7	29
	14,082	1,700	110	418	125	325	546	392	131	707	198	1,220	3 23	4	23
	14,059	1,624	106	403	113	365	469	366	162	690	199	1,147	3 17	4	23
	14,398	1,833	100	390	125	479	555	376	235	734	263	1,035	3 51	3	28
	15,382	2,141	132	479	138	517	674	448	274	791	332	1,384	3 84	3	40
	15,350	2,475	155	643	180	545	704	580	297	809	450	2,131	3 4	7	63
1930 1929 1928 1928 1927 1926		3,012 3,095 2,690 2,739 2,358	215 208 197 191 213	800 876 816 743 668	248 305 263 306 273	554 476 84 78 48	896 857 756 743 654	773 846 818 691 645	350 350 220 237 233	932 884 808 738 639	524 510 442 426 317				
Agriculture, forestry, and fisheries; 1970	37,238	11,909	579	1,233	1,328	1,347	6,127	2,854	3,174	2,526	1,622	14,278	68	114	66
	31,979	10,407	480	982	1,232	1,066	5,474	2,453	2,730	2,035	2,028	12,127	258	138	92
	31,248	8,343	491	951	1,089	693	4,563	2,036	1,917	1,935	1,630	9,451	269	132	95
	32,448	8,411	491	967	878	836	4,651	2,108	1,797	1,980	1,805	9,296	184	99	86
	27,945	7,557	433	875	970	876	3,993	1,758	1,607	1,788	1,636	8,605	286	118	91
1965		6,845	411	811	794	861	3,619	1,560	1,527	1,855	1,186	7,524	238	111	97
1964		6,453	359	829	697	882	3,384	1,429	1,376	1,688	1,249	6,329	138	93	73
1963		5,946	358	741	711	736	3,074	1,348	1,280	1,618	1,065	7,986	99	90	147
1962		5,176	(NA)	(NA)	632	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	6,289	162	81	61
1961		4,691	272	599	568	534	2,432	1,026	899	1,406	968	5,340	111	71	52
1960	12,618 10,676 9,892	4,063 3,587 3,523 2,885 2,678	255 214 246 190 199	545 429 477 355 383	472 434 395 318 304	515 494 512 382 367	2,048 1,837 1,766 1,529 1,335	881 703 722 588 550	746 676 610 524 385	1,270 1,168 1,147 953 900	878 792 827 651 683	4,402 3,838 3,528 2,953 2,700	38 106 145 114 133	58 62 77 62 68	50 32 53 48 44
1955	9,023	2,600	207	269	284	338	1,380	499	379	881	697	2,508	122	67	46
	7,790	2,620	191	452	278	376	1,251	508	334	870	696	2,226	122	65	49
	8,259	2,392	190	256	299	304	1,264	354	356	855	689	2,333	119	72	49
	7,738	2,355	191	257	332	318	1,186	384	332	827	683	2,500	139	77	58
	7,618	2,462	186	369	360	349	1,138	499	323	827	671	2,404	254	105	99
1950	5,554	2,260	177	211	322	321	1,174	435	246	799	640	2,052	287	99	106
1949		1,934	164	183	254	295	990	286	232	762	554	1,833	172	64	59
1948		1,855	160	176	266	256	934	278	205	754	510	1,812	217	78	62
1948		1,757	145	172	250	264	873	273	173	665	535	1,599	206	74	58
1947		1,583	139	149	207	270	764	232	152	648	437	1,239	181	66	33
1945	5,114	1,477	120	183	168	305	662	242	135	615	397	965	133	63	26
	5,224	1,436	117	174	160	262	684	215	141	631	357	896	119	62	31
	5,557	1,422	118	125	160	250	730	189	159	662	323	828	112	61	29
	5,893	1,409	85	109	152	232	793	195	159	675	284	771	81	39	25
	6,312	1,502	69	103	146	306	844	281	192	716	243	717	64	22	82
1940	6,816	1,516	62	107	141	259	900	233	224	762	216	617	19	9	25
1939	7,048	1,502	50	100	138	306	867	292	216	767	168	585	15	6	23
1938	7,304	1,523	57	107	145	290	872	299	212	828	122	575	8 1	4	19
1937	7,046	1,987	77	141	179	346	1,174	362	254	1,055	214	746	26	8	48
1936	7,126	2,064	82	151	177	352	1,214	372	244	1,100	170	697	36	9	56
1935	7,143	2,107	76	151	187	340	1,229	392	217	1,135	186	566	18	6	35
1934 1	7,445	2,243	68	169	187	409	1,303	447	219	1,227	175	513	3 11	4	26
1934 2	7,375	2,218	70	186	182	436	1,234	405	247	1,214	190	556	3 36	4	26
1933	7,295	1,913	58	144	147	211	1,217	311	231	1,047	159	380	3 34	2	5
1932	7,716	2,143	51	168	150	307	1,340	370	234	1,152	187	354	3 77	1	14
1931	7,567	2,136	57	203	155	246	1,334	362	240	975	373	467	3 70	1	25
1930 1929 1928 1928 1927 1926	7,862 7,443	2,031 2,140 2,054 2,177 2,050	41 60 51 57 47	219 218 210 197 192	196 198 189 217 118	262 230 41 32 16	1,188 1,231 1,177 1,230 1,242	393 376 399 387 407	229 222 161 178 114	1,001 1,051 1,059 1,082 1,071	264 341 297 202 210				

NA Not available.

1 Comparable with later years.

² Comparable with earlier years. Adjusted for comparability with industry classification in 1933 when consolidated returns were permitted to be filed.

³ Deficit or loss.

CORPORATE ASSETS, LIABILITIES, AND INCOME

Series V 182–196. Selected Corporate Asset, Liability, Income, and Tax Items, and Dividends Paid, by Size of Total Assets: 1931 to 1970

[In millions of dollars, except number of returns. Figures for 1962 not available, except for asset classes of \$50 million or more]

				Se	lected ass	ets			Selected	liabilities					
Size of total assets and tax year	Number of returns	Total assets or Iiabilities	Cash	Notes and accounts receiv- able less allow- ance	Inven- tories	Invest- ments	Capital assets less reserves	Accounts payable and short- term debt	Long- term debt	Capital stock	Surplus and retained earn- ings ¹	Total receipts	Total receipts less total deduc- tions 1	Income tax	Dividends paid in cash and assets other than own stock
	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196
Less than \$50,000: 1970	(2) 673,173 635,659 646,277 619,597	(2) 12,296 11,693 11,842 11,344	1,843 1,780 1,721 1,606	2,222 2,189 2,272 2,272 2,249	(2) 1,664 1,539 1,616 1,614	(2) 577 523 477 489	(2) 4,441 4,225 4,338 4,084	(2) 3,636 3,594 3,466 3,532	(2) 1,897 1,784 1,784 1,828	(2) 4,518 4,177 4,735 4,297	(2) 907 667 872 906	49,047 55,214 47,141 42,486	(2) 164 824 460 702	(2) 383 608 367 478	(2) 634 1,055 752 514
1965	608,259	11,146	1,595	2,242	1,621	470	3,939	3,420	1,813	4,203	927	40,520	441	321	507
1964	592,184	10,859	1,516	2,245	1,548	565	3,860	3,403	1,746	4,274	964	37,772	48	236	504
1963	573,319	10,613	1,428	2,216	1,557	548	3,729	3,306	1,785	4,176	1,081	34,782	153	230	680
1961	506,738	9,607	1,289	2,050	1,484	527	3,384	3,210	1,649	8,888	817	32,754	151	285	431
1960	494,298	9,116	1,204	1,957	1,388	556	3,246	3,194	1,606	3,833	905	30,447	319	217	333
	468,453	8,469	1,151	1,816	1,290	573	3,012	2,955	1,525	3,416	548	32,334	48	803	244
	370,757	7,749	1,077	1,749	1,184	507	2,775	2,740	1,395	3,221	441	20,225	123	108	66
	357,046	7,516	993	1,629	1,150	491	2,689	2,597	1,293	3,102	412	20,022	105	115	86
	332,685	6,921	966	1,507	1,087	431	2,503	2,380	1,072	2,953	349	18,038	11	115	82
1955		6,280 5,750 5,624 5,429 5,299	878 802 783 752 723	1,354 1,229 1,152 1,089 1,067	983 962 974 971 955	367 322 328 333 280	2,342 2,108 2,101 2,055 2,073	2,126 1,825 1,651 1,560 1,581	976 933 971 936 890	2,790 2,597 2,628 2,462 2,474	451 292 246 139 160	16,271 14,623 14,550 13,905 13,870	37 87 14 46 86	101 86 92 97 103	63 66 46 57 66
1950	236,854	5,081	658	1,016	939	262	1,987	1,519	835	2,453	274	12,381	59	78	74
	242,765	5,159	714	997	914	277	2,021	1,454	853	2,556	175	12,936	81	64	70
	234,590	5,007	719	946	920	261	1,913	1,347	797	2,463	114	13,215	54	84	80
	218,623	4,661	732	884	858	248	1,716	1,223	730	2,273	108	12,062	178	98	80
	199,076	4,196	749	778	740	243	1,496	1,064	652	2,095	97	10,902	363	119	86
1945	177,788	3,648	722	668	540	242	1,308	904	599	1,965	250	9,031	268	108	61
1944	176,212	3,528	624	652	558	229	1,313	967	614	2,034	441	9,004	257	106	66
1948	181,961	3,559	578	671	572	206	1,381	1,027	610	2,133	586	9,188	225	111	62
1942	196,642	3,753	477	753	663	175	1,521	1,198	668	2,328	799	9,461	132	82	50
1941	213,086	4,013	372	884	763	183	1,666	1,467	767	2,468	1,009	10,010	44	49	59
1940	225,000	4,136	354	958	738	206	1,740	1,610	731	2,722	1,260	9,617	96	24	56
1939	226,877	4,141	337	969	744	199	1,739	1,615	735	2,803	1,330	9,697	120	18	49
1938	227,491	4,140	324	977	748	193	1,604	1,563	673	2,875	1,313	9,347	204	15	53
1937	228,721	4,180	320	976	795	182	1,585	1,616	543	2,857	1,255	10,923	131	20	95
1936	227,343	4,151	339	998	778	168	1,528	1,602	459	2,857	1,244	10,325	101	22	90
1935	227,545	4,131	327	976	764	171	1,499	1,563	425	2,987	1,308	9,364	183	17	56
1934	223,073	4,038	302	961	730	173	1,495	1,498	419	3,023	1,315	8,588	250	15	62
1933	211,586	3,876	255	925	669	175	1,458	1,324	365	2,962	1,136	6,810	377	9	38
1932	206,477	3,870	237	934	636	177	1,503	1,323	340	2,994	1,136	6,340	609	5	40
1931	182,447	3,703	231	924	640	166	1,390	1,248	283	2,632	722	6,952	412	3	65
\$50,000 to \$99,999: 1970 ²	961,021 273,193 254,517 260,181 244,880	32,154 19,686 18,339 18,815 17,575	4,261 2,381 2,248 2,230 2,031	5,963 3,818 3,708 3,859 3,603	4,785 3,139 2,907 3,083 2,918	1,638 1,105 963 915 919	11,893 7,338 6,702 7,057 6,499	8,990 5,204 4,654 4,945 4,548	5,259 3,479 3,172 3,257 2,980	9,285 4,617 4,302 4,611 4,532	1,945 3,448 3,376 3,243 2,974	100,270 43,065 39,448 39,841 37,013	601 829 863 894 817	594 285 277 253 241	836 263 259 244 218
1965	237,903	17,071	1,971	3,732	2,829	877	6,278	4,561	2,961	4,500	2,378	35,915	790	229	248
1964	231,457	16,614	1,860	3,645	2,714	1,069	6,078	4,377	2,990	4,392	2,401	34,433	687	226	181
1963	221,887	15,937	1,756	3,508	2,628	1,027	5,844	4,181	2,849	4,316	2,205	32,205	517	230	172
1961	206,039	14,756	1,562	3,342	2,475	987	5,321	4,054	2,683	4,092	2,093	30,337	397	206	155
1960	190,316	13,694	1,437	3,093	2,294	1,020	5,014	3,849	2,456	3,833	2,015	28,367	380	192	114
1959	177,542	12,774	1,405	2,895	2,155	993	4,621	3,726	2,332	3,587	1,847	26,227	493	208	87
1958	166,581	12,050	1,325	2,802	2,018	966	4,414	3,485	2,117	3,535	1,877	24,372	338	187	74
1957	158,511	11,344	1,201	2,617	1,930	903	4,126	3,199	1,976	3,325	1,800	23,587	337	188	68
1956	150,165	10,734	1,172	2,490	1,860	819	3,918	3,096	1,701	3,234	1,679	22,473	416	197	84
1955	131,510	9,481	1,089	2,150	1,634	744	3,468	2,658	1,474	2,858	1,598	19,811	353	171	68
1954	117,001	8,430	981	1,858	1,494	585	3,153	2,160	1,334	2,631	1,491	17,606	260	144	61
1953	115,719	8,339	942	1,818	1,540	593	3,118	1,958	1,426	2,661	1,556	17,696	298	152	63
1952	109,780	7,939	941	1,689	1,518	599	2,952	1,846	1,347	2,541	1,555	16,711	390	166	68
1951	106,268	7,725	861	1,595	1,557	484	3,004	1,792	1,368	2,511	1,424	16,593	424	168	78
1950		7,317	785	1,527	1,475	422	2,865	1,727	1,243	2,452	1,331	15,257	438	138	89
1949		7,177	861	1,434	1,340	435	2,860	1,561	1,212	2,557	1,310	15,282	288	114	85
1848		6,948	844	1,352	1,366	414	2,710	1,512	1,137	2,462	1,245	15,544	471	152	92
1947		6,376	844	1,224	1,244	395	2,426	1,404	1,031	2,216	1,132	14,161	590	178	93
1946		5,491	801	1,034	985	387	2,075	1,133	904	1,972	953	11,904	649	185	92
1945	61,431	4,379	707	778	622	384	1,719	819	778	1,731	658	8,651	377	147	60
1944	56,831	4,050	584	704	589	364	1,661	750	746	1,683	524	7,929	351	148	64
1943	56,579	4,036	542	716	606	307	1,719	793	762	1,743	390	7,887	339	165	62
1942	58,338	4,164	442	797	685	249	1,843	935	809	1,844	245	7,772	270	123	51
1941	61,525	4,385	324	941	780	242	1,966	1,150	919	1,964	54	8,211	200	72	58
1940	61,053	4,342	297		693	269	2,015	1,152	886	2,083	58	7,358	57	30	65
1939	60,256	4,292	277		661	271	2,011	1,124	853	2,086	30	6,900	41	21	54
1938	59,582	4,238	261		642	266	1,878	1,095	784	2,151	86	6,412	21	16	48
1937	60,238	4,282	250		701	267	1,857	1,202	659	2,207	141	7,608	38	21	96
1936	59,528	4,233	268		664	259	1,790	1,171	609	2,205	150	7,156	56	23	103

Series V 182-196. Selected Corporate Asset, Liability, Income, and Tax Items, and Dividends Paid, by Size of Total Assets: 1931 to 1970—Con.

[In millions of dollars, except number of returns]

***				Sel	ected asse	ets	·		Selected	liabilities					
Size of total assets and tax year	Number of returns	Total assets or liabilities	Cash	Notes and accounts receiv- able less allow- ance	Inven- tories	Invest- ments	Capital assets less reserves	Accounts payable and short- term debt	Long- term debt	Capital stock	Surplus and retained earn- ings 1	Total receipts	Total receipts less total deduc- tions ¹	Income tax	Dividends paid in cash and assets other than own stock
	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196
\$50,000 to \$99,999—Con.: 1935		4,161 4,120 4,007 4,153 4,367	258 243 209 204 219	900 893 873 924 1,031	623 582 542 534 616	268 278 271 286 283	1,767 1,777 1,725 1,827 1,829	1,103 1,062 953 1,067 1,133	575 547 526 543 514	2,354 2,326 2,283 2,415 2,363	194 197 181 149 40	6,089 5,402 4,317 4,101 5,398	10 47 113 312 214	17 14 9 5	57 44 33 38 61
\$100,000 to \$249,999: 1970 1969 1968 1967 1966	335,741 333,802 310,238 302,373 291,520	53,758 53,497 49,570 48,226 46,675	5,656 5,368 5,421 5,167 4,800	11,185 11,597 10,830 10,910 10,704	9,145 8,906 8,203 8,084 7,711	3,732 3,884 3,204 2,835 2,797	19,453 19,259 18,024 17,481 17,195	14,239 13,807 12,611 12,399 12,088	9,426 9,421 8,943 8,598 8,531	10,180 10,352 9,740 9,726 9,496	12,447 12,957 12,125 11,445 10,828	108,518 103,980 94,623 93,142 90,755	2,065 2,684 2,618 2,576 2,462	756 899 820 737 714	490 566 609 567 501
1965 1964 1963 1961	280,271 269,744 260,714 239,057	44,698 42,988 41,428 38,023	4,502 4,345 4,049 3,591	10,447 10,083 9,701 8,984	7,210 6,930 6,821 6,330	2,879 3,458 3,253 3,134	16,388 15,460 15,103 13,809	11,636 11,213 10,725 10,042	8,246 7,895 7,867 7,142	9,332 9,188 9,192 8,614	9,577 9,153 8,432 7,995	85,785 82,073 78,234 71,057	2,437 2,005 1,659 1,370	670 606 628 588	499 385 406 317
1960 1959 1958 1957 1956		36,392 33,842 31,090 28,200 27,157	3,303 3,134 3,095 2,670 2,651	8,725 8,182 7,781 6,813 6,573	6,168 5,623 5,161 4,861 4,733	3,162 3,205 2,855 2,550 2,490	13,024 12,099 11,015 10,137 9,668	9,862 9,243 8,414 7,498 7,373	6,756 7,094 5,661 5,152 4,476	8,346 7,817 7,347 6,809 6,809	7,622 6,422 7,005 6,205 6,025	69,952 64,464 58,619 55,300 53,507	1,218 1,446 1,122 1,072 1,283	546 575 502 493 527	285 194 201 182 190
1955		23,923 21,379 20,306 19,362 18,714	2,431 2,263 2,086 2,070 1,916	5,822 5,025 4,523 4,375 4,003	4,259 3,772 3,757 3,698 3,892	2,216 1,847 1,788 1,714 1,280	8,339 7,681 7,472 6,984 7,147	6,394 5,247 4,382 4,175 3,941	3,830 3,488 3,744 3,534 3,494	5,994 5,635 5,352 5,213 5,053	5,445 5,121 5,086 4,796 4,741	48,805 42,249 40,521 39,489 38,984	1,179 834 891 1,101 1,243	478 391 405 451 500	186 160 165 175 200
1950	111,503 104,262 100,341 90,709 76,592	17,687 16,436 15,832 14,306 12,094	1,760 1,838 1,767 1,741 1,563	3,844 3,336 3,119 2,814 2,267	8,605 2,998 3,086 2,741 2,152	1,246 1,224 1,152 1,117 1,123	6,713 6,513 6,161 5,390 4,557	3,817 3,230 3,166 2,909 2,361	3,195 3,008 2,829 2,480 2,181	4,924 4,923 4,781 4,345 3,820	4,342 4,004 3,689 3,167 2,509	35,585 32,953 33,606 30,072 23,988	1,371 938 1,388 1,575 1,495	448 340 480 541 509	224 210 236 228 217
1945 1944 1943 1942 1941	60,308 56,782 56,105 57,365 60,386	9,526 8,964 8,855 9,067 9,547	1,317 1,150 1,090 935 722	1,600 1,487 1,508 1,686 2,043	1,309 1,220 1,260 1,420 1,589	1,132 1,085 918 735 714	3,817 3,694 3,771 3,992 4,212	1,588 1,461 1,484 1,731 2,087	1,851 1,774 1,803 1,864 2,035	3,308 3,256 3,343 3,493 3,730	1,906 1,632 1,373 1,150 868	16,660 15,587 15,291 14,808 15,071	838 848 851 729 561	396 433 463 367 215	141 145 152 130 155
1940	59,059 58,119 57,738 58,817 58,442	9,316 9,188 9,112 9,283 9,229	653 622 577 564 600	2,015 1,922 1,853 1,888 1,930	1,331 1,246 1,195 1,294 1,212	781 837 841 879 872	4,279 4,287 4,096 4,089 3,980	1,986 1,953 1,902 2,122 2,097	1,981 1,937 1,789 1,588 1,511	3,924 4,041 4,112 4,232 4,337	633 486 391 319 160	12,742 11,561 10,535 12,308 11,394	275 193 50 178 225	83 51 37 52 53	154 138 120 234 258
1935	58,208 58,186 56,745 59,500 63,428	9,204 9,231 8,992 9,414 10,072	620 566 481 457 491	1,865 1,835 1,848 1,994 2,308	1,125 1,065 995 945 1,135	894 963 937 1,000 993	4,018 4,080 3,948 4,249 4,335	1,933 1,898 1,727 1,779 2,038	1,422 1,399 1,368 1,427 1,382	4,444 4,616 4,506 4,751 4,816	215 138 216 247 578	9,688 8,466 6,780 6,561 8,803	72 28 188 484 340	39 32 20 11 13	142 113 63 83 141
\$250,000 to \$499,999: 1970	169,847 172,995 155,647 151,626 144,699	59,586 60,345 54,528 53,214 50,616	5,266 5,192 4,812 4,696 4,263	13,685 14,626 13,411 13,385 12,966	10,554 10,529 9,366 9,247 8,619	4,741 4,657 4,011 3,551 8,634	20,898 20,847 19,244 18,636 17,845	16,458 16,675 15,041 14,525 13,774	11,184 11,069 10,224 10,182 9,861	9,398 9,439 8,709 8,892 8,431	15,068 15,712 13,894 13,150 12,389	113,023 112,730 101,100 98,333 92,528	2,306 2,832 2,928 2,727 2,673	999 1,093 1,040 924 863	434 698 566 526 493
1965 1964 1963 1961	137,481 131,188 124,958 111,593	48,007 45,826 43,528 38,925	4,080 3,980 3,589 3,204	12,262 11,820 11,036 10,070	8,239 7,874 7,130 6,336	3,515 4,172 4,138 3,951	16,803 15,985 15,141 13,222	13,244 12,193 11,600 10,455	9,406 8,858 8,712 7,618	8,162 8,360 8,037 7,531	11,171 10,542 9,870 9,017	86,867 84,221 76,686 67,513	2,383 2,080 1,644 1,360	806 761 696 624	419 378 289 278
1960 1959 1958 1957 1956		36,622 34,739 30,827 28,213 26,753	2,897 2,964 2,741 2,490 2,424	9,368 9,068 8,072 7,212 6,831	6,001 5,730 5,052 4,841 4,522	3,854 3,799 3,313 2,986 3,136	12,641 11,619 10,609 9,636 8,930	9,860 9,205 8,157 7,338 7,076	7,297 6,605 5,760 5,080 4,505	7,174 6,917 6,185 5,848 5,552	8,425 8,518 7,950 7,201 6,854	64,340 63,631 54,947 53,495 50,181	1,226 1,547 1,221 1,212 1,363	580 662 537 563 596	252 212 188 193 197
1955 1954 1958 1952 1951		19,387 18,571 18,330	2,290 2,143 1,953 1,884 1,842	6,356 5,193 4,539 4,343 4,119	4,391 3,686 3,541 3,488 3,655	2,708 2,235 2,116 2,072 1,750	7,997 7,044 6,562 6,303 6,492	6,425 5,088 4,059 3,927 3,738	3,970 3,416 3,476 3,292 3,227	5,202 4,622 4,487 4,239 4,349	6,441 5,835 5,427 5,197 5,171	48,144 39,745 37,348 36,678 36,981	1,291 966 994 1,143 1,412	562 447 478 545 661	191 176 206 202 229
1950	44,634 43,366 39,571	17,365 15,567 15,145 13,842 11,997	1,721 1,762 1,681 1,625 1,464	3,954 3,229 3,039 2,727 2,254	3,503 2,746 2,924 2,699 2,228	1,576 1,567 1,521 1,475 1,493	6,112 5,770 5,489 4,843 4,135	3,618 2,827 2,872 2,669 2,217	2,934 2,664 2,510 2,217 1,945	4,250 4,159 4,042 3,787 3,469	4,859 4,428 4,121 3,583 2,951	33,737 29,310 30,510 27,387 22,270	1,605 1,106 1,577 1,701 1,584	621 434 603 647 603	259 234 262 246 253

Series V 182–196. Selected Corporate Asset, Liability, Income, and Tax Items, and Dividends Paid, by Size of Total Assets: 1931 to 1970—Con.

				Se	lected asse	ets	· · · · · · · · · · · · · · · · · · ·	!	Selected	liabilities					
Size of total assets and tax year	Number of returns	Total assets or liabilities	Cash	Notes and accounts receiv- able less allow- ance	Inven- tories	Invest- ments	Capital assets less reserves	Accounts payable and short- term debt	Long- term debt	Capital stock	Surplus and retained earn- ings ¹	Total receipts	Total receipts less total deduc- tions ¹	Income tax	Dividends paid in cash and assets other than own stock
	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196
\$250,000 to \$499,999—Con.: 1945————————————————————————————————————		9,667 9,322 9,418 9,611 10,122	1,256 1,199 1,236 1,158 975	1,567 1,518 1,585 1,831 2,270	1,398 1,262 1,294 1,381 1,493	1,561 1,646 1,474 1,259 1,152	3,523 3,368 3,538 3,721 3,986	1,527 1,338 1,348 1,487 1,830	1,663 1,627 1,655 1,694 1,860	3,063 3,086 3,096 3,268 3,455	2,255 2,024 1,858 1,623 1,407	15,829 14,778 14,646 13,647 13,053	914 995 1,015 893 691	511 588 606 500 289	154 161 171 158 189
1940	27,832	9,787	867	2,191	1,204	1,226	4,056	1,664	1,836	3,669	1,145	10,286	345	102	187
	27,447	9,649	812	2,064	1,180	1,302	4,092	1,590	1,819	3,796	1,013	9,335	248	59	175
	27,371	9,629	747	1,991	1,050	1,415	4,005	1,545	1,749	3,896	955	8,495	106	41	152
	27,992	9,868	720	2,007	1,159	1,523	4,052	1,745	1,706	3,990	915	9,794	242	59	256
	28,342	9,995	808	2,040	1,104	1,519	4,059	1,798	1,596	4,123	761	9,185	283	60	281
1935	28,605	10,076	775	1,933	1,016	1,483	4,160	1,687	1,486	4,363	633	7,888	132	41	162
1934	28,673	10,096	693	1,886	973	1,550	4,261	1,697	1,495	4,500	571	6,885	21	33	134
1933	26,773	9,421	585	1,823	891	1,420	8,976	1,419	1,419	4,222	733	5,505	129	22	69
1932	28,422	9,988	491	2,023	846	1,533	4,322	1,486	1,500	4,521	790	5,297	379	12	96
1931	31,052	10,930	555	2,436	1,036	1,557	4,544	1,747	1,547	4,685	1,071	7,210	251	17	159
\$500,000 to \$999,999: 1970	93,468 96,206 87,050 81,440 78,652	64,947 66,565 60,245 56,359 54,538	4,860 4,666 4,727 4,436 4,078	15,680 17,037 15,882 14,098 14,619	11,532 12,304 10,589 9,611 9,300	5,523 5,532 5,177 4,613 4,641	22,457 22,180 19,591 19,730 18,298	19,086 20,014 17,531 16,042 15,830	12,998 12,985 11,344 11,312 10,808	8,727 8,961 8,171 8,160 7,869	16,119 16,523 15,661 13,999 13,221	117,785 119,916 109,065 100,742 95,350	2,317 2,925 3,344 2,756 2,890	1,189 1,436 1,461 1,164 1,174	469 464 588 506 475
1965	72,936	50,384	3,905	12,972	8,440	4,604	17,195	14,159	10,072	7,383	11,959	86,655	2,710	1,051	432
	67,268	46,305	3,613	11,920	7,317	5,529	15,466	12,477	9,402	7,274	10,849	77,426	1,972	868	385
	64,950	44,955	3,565	11,882	7,165	5,047	14,880	12,018	9,190	7,162	10,743	75,553	1,871	902	287
	58,065	40,247	3,309	10,507	6,311	4,908	13,043	10,355	7,861	6,852	10,036	65,796	1,612	797	343
1960	54,991	38,203	3,112	9,869	6,209	4,966	11,961	10,030	7,245	6,642	9,590	62,682	1,390	760	319
	52,048	36,138	2,939	9,391	5,949	4,945	11,327	9,124	7,012	6,233	9,281	61,857	1,626	783	261
	46,346	32,053	2,898	8,535	5,264	4,264	10,028	8,074	6,025	5,834	8,502	53,077	1,346	672	236
	43,634	29,740	2,678	7,572	4,854	4,063	9,491	7,183	5,333	5,527	8,030	51,352	1,386	697	248
	41,336	28,775	2,666	7,328	4,735	4,224	8,866	6,877	4,672	5,148	7,958	48,810	1,596	749	249
1955	39,301	27,382	2,659	6,934	4,643	3,998	8,254	6,389	4,251	5,050	7,689	48,675	1,638	757	242
1954	33,617	23,491	2,475	5,728	8,788	3,357	7,409	4,976	3,617	4,628	6,982	38,904	1,214	594	232
1958	31,845	22,239	2,323	5,140	3,800	3,434	6,892	4,142	3,842	4,476	6,312	38,192	1,255	657	245
1952	31,290	21,847	2,375	5,162	3,847	3,230	6,697	4,077	3,418	4,562	6,474	37,896	1,462	762	258
1951	30,355	21,208	2,329	4,793	4,087	2,672	6,808	3,935	3,379	4,506	6,154	37,891	1,797	917	302
1950		20,338	2,181	4,610	3,824	2,779	6,402	3,805	3,055	4,437	5,929	34,453	1,991	830	352
1949		17,903	2,142	3,786	2,878	2,843	5,847	2,908	2,629	4,241	5,367	28,963	1,296	528	311
1948		17,362	2,048	3,593	3,119	2,718	5,497	2,898	2,410	4,133	5,040	30,900	1,861	721	346
1947		16,293	2,032	3,271	2,982	2,695	4,936	2,842	2,127	4,020	4,474	28,718	2,029	781	331
1946		14,585	1,878	2,692	2,544	2,739	4,324	2,435	1,909	3,772	3,744	23,611	1,840	718	305
1945	17,669	12,437	1,805	1,934	1,643	2,919	3,764	1,658	1,692	3,454	3,001	17,398	1,196	718	204
1944	17,625	12,391	1,804	1,959	1,508	2,974	3,746	1,513	1,627	3,463	2,782	16,545	1,304	817	215
1943	17,893	12,606	1,922	2,116	1,517	2,761	3,924	1,494	1,682	3,553	2,572	15,938	1,351	842	218
1942	18,109	12,715	1,906	2,475	1,601	2,295	4,119	1,615	1,717	3,699	2,301	14,785	1,185	702	208
1941	18,424	12,915	1,598	2,956	1,697	1,907	4,470	1,908	1,925	4,009	1,995	13,538	892	401	251
1940	17,505	12,227	1,338	2,687	1,322	1,987	4,607	1,714	1,977	4,174	1,683	10,419	427	135	220
1939	17,232	12,056	1,228	2,485	1,240	2,114	4,699	1,659	2,012	4,338	1,540	9,391	316	72	219
1938	17,079	11,966	1,087	2,370	1,144	2,275	4,597	1,627	1,953	4,415	1,481	8,406	162	51	190
1937	17,587	12,325	1,038	2,388	1,259	2,432	4,705	1,846	1,919	4,605	1,436	9,830	317	73	314
1936	17,941	12,560	1,142	2,394	1,192	2,467	4,807	1,909	1,836	4,766	1,243	9,214	364	77	833
1935	18,102	12,705	1,041	2,279	1,133	2,467	4,936	1,907	1,760	5,096	1,093	8,014	178	49	242
1934	18,339	12,856	923	2,248	1,076	2,571	5,175	1,923	1,764	5,310	1,062	7,115	55	39	209
1933	16,592	11,577	691	2,101	966	2,259	4,665	1,428	1,645	4,894	1,193	5,476	101	27	98
1932	17,590	12,289	655	2,394	891	2,450	5,018	1,499	1,730	5,219	1,229	5,088	395	15	125
1931	19,335	13,531	722	2,892	1,092	2,543	5,289	1,765	1,794	5,463	1,570	7,079	252	19	198
\$1,000,000 to \$4,999,999: 1970 1969 1968 1967 1966		150,895 158,074 146,176 135,538 132,529	10,259 10,581 11,093 10,450 10,123	37,212 40,676 37,432 35,152 34,952	22,809 25,008 22,619 20,125 19,513	23,222 24,461 24,157 22,794 23,606	46,004 46,343 41,298 38,702 37,005	39,259 41,322 36,118 31,995 30,705	28,174 27,914 25,298 23,360 22,769	15,716 17,395 15,858 15,257 15,086	37,391 39,094 36,589 34,172 31,990	214,232 226,259 202,510 184,887 180,236	5,161 7,056 7,403 6,830 6,853	3,159 3,854 3,853 3,232 3,202	956 1,405 1,105 1,058 1,063
1965	62,601	130,154	10,586	35,056	17,870	24,660	34,796	28,734	21,242	15,000	30,854	166,533	6,495	2,987	1,043
	58,905	122,868	10,320	32,718	15,789	25,413	32,804	26,684	20,243	14,901	28,747	149,074	5,314	2,607	952
	55,771	116,988	10,012	31,317	15,171	24,558	30,142	25,244	19,145	14,776	27,425	140,502	4,560	2,426	852
	49,262	103,911	9,679	27,476	13,143	23,525	25,352	20,971	15,596	13,664	25,691	117,735	3,918	2,075	826
1960 1959 1958 1957 1956	47,983 46,104 43,321 41,780 39,861	100,945 97,228 91,202 87,461 85,884	9,416 9,227 9,441 9,161 9,380	26,472 25,450 23,759 22,749 21,479	12,628 12,320 11,274 10,647 10,961	23,749 23,899 22,667 22,144 22,619	24,418 22,738 21,582 20,226 19,272	19,326 18,632 16,762 15,357 13,909	14,827 13,635 12,683 11,853 9,984	13,456 13,045 12,366 12,552 11,497	25,049 24,120 23,697 21,655 21,849	102,156 101,667	3,789 4,525 3,749 4,137 4,738	2,021 2,253 1,938 2,090 2,302	894 837 756 857 843

Series V 182–196. Selected Corporate Asset, Liability, Income, and Tax Items, and Dividends Paid, by Size of Total Assets: 1931 to 1970—Con.

				Sel	ected ass	ets			Selected	liabilities					Divi-
Size of total assets and tax year	Number of returns	Total assets or liabilities	Cash	Notes and accounts receiv- able less allow- ance	Inven- tories	Invest- ments	Capital assets less reserves	Accounts payable and short- term debt	Long- term debt	Capital stock	Surplus and retained earn- ings ¹	Total receipts	Total receipts less total deduc- tions 1	Income tax	dends paid in cash and assets other than own stock
	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196
\$1,000,000 to \$4,999,999— Con.: 1955 1954 1953 1952 1951	40,853	87,950	10,225	22,331	10,799	23,468	19,038	13,421	9,857	11,996	22,255	97,583	4,820	2,338	881
	35,770	76,940	9,604	18,349	9,186	20,812	17,071	10,580	9,194	11,292	19,028	82,325	3,650	1,857	774
	33,805	72,960	9,284	17,089	9,255	19,759	15,960	8,984	8,467	10,373	18,980	81,805	3,996	2,115	880
	33,579	72,539	9,286	17,131	9,493	19,250	16,058	9,276	8,164	10,684	18,761	81,150	4,411	2,351	861
	32,041	68,596	9,437	15,645	9,872	16,287	16,069	8,790	7,644	10,665	18,100	81,724	5,297	2,804	970
1950		65,455	8,809	15,421	8,974	16,341	14,748	8,436	6,590	10,444	17,320	73,903	5,576	2,390	1,111
1949		59,298	8,453	12,846	6,900	16,400	13,670	6,154	5,728	10,281	15,398	61,613	3,663	1,401	973
1948		58,797	8,353	12,304	7,540	16,732	12,833	6,325	5,261	10,072	14,545	65,995	4,978	1,860	1,054
1947		57,167	8,458	10,937	7,272	17,774	11,696	6,307	4,747	10,009	13,282	61,785	5,336	1,995	1,014
1946		53,375	8,219	8,936	6,412	18,183	10,548	5,566	4,330	9,634	11,651	50,624	4,627	1,781	937
1945		47,907	8,199	6,572	4,477	18,114	9,486	4,241	3,906	9,359	9,676	42,251	3,450	2,047	680
1944		46,107	7,777	6,526	4,252	16,677	9,712	3,945	3,965	9,355	9,328	41,476	4,019	2,511	684
1943		43,611	7,291	6,664	4,245	14,255	10,096	3,804	3,930	9,488	8,817	39,471	4,139	2,567	681
1942		40,790	6,622	7,399	4,262	10,905	10,659	3,868	4,261	9,774	8,015	35,138	3,590	2,121	675
1942		39,214	5,313	8,155	4,324	8,694	11,927	4,399	5,032	10,898	7,149	31,307	2,655	1,214	838
1940	17,627	36,756	4,703	7,356	3,363	8,479	12,088	3,839	5,134	11,339	6,308	23,456	1,401	424	749
1939	17,337	36,150	4,144	6,770	3,140	8,887	12,404	3,782	5,232	11,573	6,311	21,091	1,104	211	740
1938	17,187	35,789	3,465	6,338	2,850	9,482	12,218	3,587	5,381	11,903	5,913	18,544	561	137	597
1937	17,897	37,278	3,266	6,541	3,246	10,115	12,701	4,262	5,338	12,455	6,024	21,930	1,108	220	974
1936	18,277	37,955	3,486	6,566	2,968	10,326	12,930	4,455	5,122	12,986	5,126	20,545	1,167	218	968
1935	18,407	38,298	3,067	6,273	2,691	10,533	13,542	4,699	5,288	13,986	4,785	18,446	674	132	817
	18,499	38,603	2,666	6,235	2,571	10,677	14,094	4,937	5,084	14,571	4,732	16,101	285	102	650
	15,840	32,723	1,928	5,549	2,220	8,829	11,835	3,095	4,299	12,781	4,424	11,448	258	67	315
	16,705	34,432	1,927	6,321	1,972	9,359	12,658	3,138	4,512	13,573	4,730	10,744	834	35	378
	18,345	37,955	2,067	7,666	2,438	9,843	13,440	3,710	4,649	14,118	5,625	14,595	539	52	591
\$5,000,000 to \$9,999,999: 1970	12,559	88,837	6,375	24,755	9,064	24,660	18,271	15,233	11,675	6,777	18,731	77,755	2,313	1,383	522
	13,211	92,535	6,625	27,190	9,617	26,894	17,652	15,900	11,364	6,946	18,730	80,572	3,061	1,674	661
	9,898	69,427	5,595	19,520	7,384	20,765	12,745	11,072	7,994	5,301	14,582	59,153	2,788	1,410	455
	11,329	80,261	6,386	23,662	7,608	24,219	14,530	12,484	8,971	6,205	16,318	60,533	2,962	1,384	537
	11,048	78,025	6,410	22,310	7,369	24,589	14,133	11,609	8,649	6,359	15,518	62,638	3,235	1,486	557
1965	10,874	76,074	6,610	21,557	6,645	25,138	12,880	10,572	7,882	6,046	15,059	57,551	3,004	1,360	605
	9,714	68,149	6,117	18,976	5,704	23,043	11,643	8,952	7,177	5,778	13,548	49,149	2,337	1,134	484
	9,289	65,102	5,986	18,782	5,246	21,679	10,933	9,876	6,692	5,643	13,382	45,542	2,038	1,018	436
	8,564	59,865	6,053	15,897	4,890	20,875	10,231	7,269	6,245	5,590	12,948	41,906	1,974	970	441
1960		57,818	5,801	14,712	4,961	20,718	9,990	6,722	5,879	5,365	12,882	41,660	1,917	979	485
1959		55,994	5,709	13,945	4,798	20,730	9,378	6,383	5,315	5,172	12,574	40,877	2,280	1,085	471
1958		54,797	6,137	14,566	4,489	19,587	8,952	7,296	4,617	5,181	12,299	38,335	1,907	961	462
1957		53,392	6,159	13,720	4,498	19,247	8,799	6,391	4,877	4,969	11,670	38,682	2,056	1,052	479
1956		51,200	5,963	12,364	4,627	19,109	8,270	5,128	3,995	4,833	11,513	38,049	2,343	1,151	491
1955		47,606	5,761	11,618	4,247	17,527	7,675	4,576	3,627	4,809	11,053	35,489	2,295	1,090	485
1954		44,205	5,713	9,718	3,916	16,765	7,323	3,707	3,433	4,493	10,536	32,269	1,870	926	470
1953		43,046	5,620	9,005	4,036	16,479	7,217	3,489	3,494	4,463	9,993	32,684	2,092	1,104	471
1952		42,817	5,635	9,280	4,195	15,757	7,298	3,619	3,257	4,698	9,955	32,718	2,205	1,188	501
1951		37,018	5,395	8,291	4,339	11,447	6,916	3,430	2,745	4,603	9,263	32,393	2,524	1,350	528
1950	4,987	34,767	4,882	7,778	3,857	11,266	6,430	3,046	2,406	4,574	8,833	28,430	2,631	1,117	598
	4,650	32,383	4,715	6,615	3,088	11,218	6,182	2,309	2,259	4,668	8,073	24,261	1,772	661	540
	4,733	33,061	4,869	6,524	3,641	11,339	6,154	2,635	2,222	4,728	8,026	28,292	2,545	927	604
	4,576	31,950	4,830	5,853	3,340	11,737	5,649	2,517	2,057	4,527	7,379	25,355	2,525	929	598
	4,241	29,627	4,409	4,669	2,922	11,860	5,179	2,063	1,901	4,565	6,591	20,234	2,133	809	548
1945	3,948	27,591	4,491	3,381	2,057	12,317	4,743	1,662	1,699	4,444	5,725	17,749	1,719	989	411
	3,646	25,285	4,055	3,170	2,066	10,357	5,015	1,687	1,891	4,504	5,346	18,684	2,073	1,292	388
	3,232	22,397	3,539	3,049	2,022	8,169	5,039	1,627	1,760	4,445	5,003	16,754	2,152	1,322	373
	2,905	20,258	3,151	3,168	2,014	6,141	5,301	1,617	1,895	4,566	4,479	14,552	1,766	1,072	356
	2,812	19,571	2,695	3,578	1,901	5,136	5,815	1,821	2,275	5,016	4,316	12,605	1,369	651	457
1940	2,603	18,142	2,404	3,105	1,434	4,912	5,894	1,550	2,376	5,221	3,863	9,186	687	212	390
1939	2,537	17,613	2,031	2,773	1,244	5,164	5,992	1,445	2,645	5,373	3,423	8,026	541	96	373
1938	2,542	17,584	1,745	2,639	1,158	5,428	5,961	1,470	2,718	5,631	3,198	7,192	302	63	312
1937	2,620	18,187	1,612	2,712	1,314	5,685	6,169	1,736	2,770	5,867	3,211	8,452	542	96	466
1936	2,719	18,967	1,711	2,806	1,265	5,920	6,459	1,861	2,776	6,180	2,998	8,352	605	101	498
1935	2,769	19,342	1,512	2,771	1,145	6,152	6,895	1,955	3,015	6,709	3,005	7,434	343	58	414
1934	2,844	19,789	1,323	2,931	1,108	6,837	7,151	2,215	2,994	7,000	2,903	6,589	172	50	332
1933	2,344	16,224	1,015	2,395	930	5,147	5,873	1,252	2,394	5,978	2,491	4,811	110	33	191
1932	2,442	16,857	1,005	2,698	801	5,187	6,241	1,248	2,528	6,257	2,630	4,627	335	21	228
1931	2,588	17,965	1,055	3,311	942	5,385	6,241	1,393	2,432	6,185	3,091	5,588	138	28	345
\$10,000,000 to \$49,999,999: 1970	13,706 13,285 12,597 11,314 10,746	287,787 277,024 261,852 285,595 223,779	20,024 18,353 18,457 16,741 15,840	75,559 73,659 67,055 59,771 53,954	18 189	117,532 114,093 110,425 98,638 95,218	41,561 39,885 37,569 34,720 34,076	32,472 30,955 27,833 25,797 22,979	28,662 26,966 24,375 22,213 21,645	15,130 14,986 14,858 14,128 13,773	43,944	158,598 154,116 142,390 131,545 132,041	6,160 7,423 8,272 7,495 8,134	3,180 3,755 3,938 3,308 3,569	1,806 2,273 1,883 1,829 1,978

Series V 182–196. Selected Corporate Asset, Liability, Income, and Tax Items, and Dividends Paid, by Size of Total Assets: 1931 to 1970—Con.

]				lected ass			er of retu	Selected	liabilities					Divi-
Size of total assets and tax year	Number of returns	Total assets or liabilities	Cash	Notes and accounts receiv- able less allow- ance	Inven- tories	Invest- ments	Capital assets less reserves	Accounts payable and short- term debt	Long- term debt	Capital stock	Surplus and retained earn- ings ¹	Total receipts	Total receipts less total deduc- tions ¹	Income tax	dends paid in cash and assets other than own stock
	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196
\$10,000,000 to \$49,999,999— Con.: 1965————————————————————————————————————	10,254 9,846 9,264 8,336	204,211 192,004	15,855 15,644 15,111 14,807	50,714 46,271 49,247 37,118	14,609 13,542 12,971 11,977	92,934 91,299 78,090 76,440	32,173 30,777 29,399 26,361	18,623	20,186 19,239 18,150 15,530	13,494 13,392 13,173 12,476	39,507 39,727	112,874 106,882	7,618 6,526 5,914 5,572	3,335 3,066 2,881 2,593	2,678 1,845 1,634 1,574
1960 1959 1958 1957 1956	7,912 7,476 7,220 6,769 6,547	162,350 154,136 146,166 138,249 134,887	14,173 13,465 14,177 13,776 14,254	34,760 32,521 31,223 29,794 30,746	11,805 11,630 10,590 11,129 11,495	71,784 68,522 64,032 58,326 53,423	23.198	10,826 10,312	14,228 12,970 12,216 11,425 11,557	12,479 12,166 11,421 11,782 11,738	34,950 33,567	81,649 82,826	5,391 6,169 5,233 6,000 6,685	2,639 2,903 2,518 2,848 3,167	1,650 1,710 1,580 1,677 1,769
1955 1954 1953 1952 1951	6,246 5,718 5,550 5,220 4,481	112,999 104,753 90,506	13,607 13,300 13,163 13,040 12,394	27,557 24,148 22,922 21,129 18,330	10,153 9,440 9,928 9,825 10,143	29,064	20,407 19,590 18,637	7,116	9,665 9,263 9,344 9,054 8,063	11,257 11,202 11,928 11,862 11,647	26,537 24,984 23,378	71,725	6,530 5,272 5,966 5,953 7,195		1,723 1,566 1,631 1,660 1,805
1950 1949 1948 1947 1946		84,676 75,812 75,045 71,789 67,896	11,233 10,051 10,390 10,063 9,486	11,646 9,505	6,201	26,735 26,977 28,115	15,904 14,325 13,062	4,904 5,040 4,239	7,375 6,862 6,688 5,708 5,310	11,668 11,334 11,456 11,613 11,585	19,448 18,215 16,511 14,799	56,134 51,621 40,362		2,878 1,589 2,002 1,878 1,507	1,887 1,529 1,624 1,487 1,341
1945 1944 1943 1942 1941		1	9,724 8,741 7,966 7,230 6,615	6,880 7,685	4,591 4,664 4,670 4,748 4,249	16,984 14,964	12,212 12,487 13,005 14,576	3,646	4,817 4,827 5,003 5,132 6,288	11,134 11,094 11,063 11,064 12,671	12,923 12,047 11,099 10,877	39,917 40,606 37,959 32,681 29,132	3,900 4,764 5,093 4,472 3,071	2,581 1,440	1,072 1,041 1,016 975 1,252
1940		45,767 45,225 46,642 47,405	6,443 5,485 4,616 4,263 4,264	6,186 5,727 6,086 5,986	3,040 2,715	15,156 15,446 16,063 16,923	14,887 14,813 15,228 15,346	3,495 3,743	6,939	14,070 14,536 15,174	9,465 8,978 9,325 7,821	19,522 17,174	1,849 1,565 958 1,640 1,528	165 252 224	1,139 1,154 926 1,372 1,370
1935 1934 1933 1932 1931		49,405	3,926 3,323 2,365 2,494 2,482	4,932 5,628	2,428 2,325 2,029 1,752 2,141	17,935 17,648 13,314 13,369 13,859	16,975 13,657 14,122	2,391 2,485	8,050 7,869 6,194 6,271 6,282	16,898 13,442 14,319	8,051 6,270 6,054	16,386 14,408 10,430 9,905 13,365	1,202 748 68 495 36	152 118 78 48 68	1,308 1,105 589 595 880
\$50,000,000 to \$99,999,999: 1970 1969 1968 1967 1966	2,080 1,875 1,839 1,664 1,576	130,753 127,956 115,830	8,402 7,134 7,652 6,832 6,391	27,030 27,048 22,776	9,132 8,671 8,025 7,982 7,821	60,794 59,913 54,975	20,947 19,636 18,584	12,832 11,741 9,395	15,307 14,294 13,617 12,313 11,894	7,776 7,473 7,105 6,638 6,665	27,305 26,162 24,088	68,451 62,739 58,487	3,854	1,785 1.643	1,265 1,476 1,323 1,189 1,291
1965		100,494 95,606 89,559 84,155		18,591 20,972 (NA) 15,715	5,727 5,761	47,805 40,726 (NA) 37,658	17,293 17,078 (NA) 16,391	7,568 8,546 (NA) 5,239	10,213 (NA) 9,527	(NA) 7,066	21,463 21,875 (NA) 20,278	52,052 50,685 46,680 45,206	3,018 3,204	1,520 1,414 1,452	i '
1960 1959 1958 1958 1967	1,145 1,043 1,001 955 896	73,108 69,915 66,769 62,304	5,930 5,464 5,759 5,765 5,930	13,282 12,790 11,741 13,503	5,042 5,229 4,785	32,433 30,659 28,896 23,829	14,411 14,084 13,697 12,929	5,135 4,813 4,684 4,141	7,424 7,384 6,581 6,146	6,050 6,241 6,101	18,642 17,016 16,169	43,459 40,610 42,301 36,598	3,432 2,789 3,131 3,432	1,549 1,283 1,485 1,519	1,152 1,158 1,178
1955 1954 1953 1952 1951	834 794 742 708 626	55,544 51,984 49,986 44,109	5,615 5,801 5,493 5,551 5,431	10,288 9,892 8,995 7,278	4,234 4,435 4,224 4,158	21,808 19,120 18,463 14,812	11,542 11,385		5,431 5,531 5,442 4,932	6,169 6,012 6,302	13,580 12,385 11,748 10,978	31,400 32,349 30,361 28,710	2,755 3,280	1,223 1,384 1,382 1,721	1,064 972 877 926 934
1950	596 556 529 509 463	38,957 37,169 35,740 32,457	4,989 4,698 4,760 4,934 4,125	5,730 5,358 4,704 3,660	3,285 3,443 3,262 2,645	13,901 13,415 13,180 12,918	10,330 9,146 8,674 8,235	2,217 2,142 2,037 1,712		6,463	8,927 7,909 6,578 6,125	24,692 23,985 21,619 15,675	2,229 2,507 2,147 1,587	780 866 757 559	849 744 651
1945 1944 1943 1942 1941	427 415 396 371 400	28,953 27,308 25,623 27,879	3,960 3,927 3,767 3,545 3,432 3,200	2,950 2,945 2,975 3,328	2,112 2,129 2,072 2,169	11,740 9,970 8,546 8,691	7,274 7,545 7,567	1,555 1,528 1,422 1,496	3,895 5,345	5,820 5,767 5,833 7,391	5,023 4,771 4,141 4,908	17,351 16,665 13,665	1,760 1,577	1,282 952 697	598 506 497 477 689
1940	342 349 355 355	23,741 24,220 24,647 24,295	2,438 2,134 1,894 2,000	2,529 2,613 2,752 2,646	1,344 1,260 1,516 1,223	7,438 7,927 8,186 8,610	9,248 9,334 9,353 8,848	1,266 1,400 1,632 1,614	5,252 5,348 5,307 4,977	7,578	3,667	7,637 7,210 9,283 7,201	649 474 752 775	84 105 92	548 527 748 729
1935 ³	742 761 594 618 632	142,796 149,241	8,448	16,648	3,882 4,356 3,993	69,461 51,692 54,185	47,743 57,820 58,614	5,773 6,538	27.671	41,414	20,695 21,037 21,684	25,542 26,571 27,037	706 332	150 132	2,697 2,140 1,693 2,270 3,654

Series V 182–196. Selected Corporate Asset, Liability, Income, and Tax Items, and Dividends Paid, by Size of Total Assets: 1931 to 1970—Con.
[In millions of dollars, except number of returns]

				Se	lected ass	ets			Selected	liabilities					Divi-
Size of total assets and tax year	Number of returns	Total assets or liabilities	Cash	Notes and accounts receiv- able less allow- ance	Inven- tories	Invest- ments	Capital assets less reserves	Accounts payable and short- term debt	Long- term debt	Capital stock	Surplus and retained earn- ings ¹	Total receipts	Total receipts less total deduc- tions 1	Income tax	dends paid in cash and assets other than own stock
	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196
\$100,000,000 or more: 1970 1969 1968 1967	2,635 2,473 2,321 2,157 2,019	1,752,228 1,574,853 1,415,840 1,254,764 1,120,139	111,821 100,471 88,511 81,326 70,711	844,247 802 822	95,149 86,557 76,644 68,321 60,026	606,798 568,300 499,065	298.666	109,406 84,296	206 650	110,859 108,098	859,341 324.909	787,192 722,347 641,545 559,946 515,304	44,098 51,581 54,517 48,695 49,246	20,533 24,274 24,502 20,290 20,895	27,227 23,721 21,035
1965	1 758	855.075	61,486 59,687 56,924 (NA) 52,292	189,052 172,292 (NA)	51,740 45,689 41,513 38,527 36,161	415,627 881,593 854,500 (NA) 805,643	199,776 (NA)	56,283 (NA)	96,348 (NA)	86,709 83,632 80,876 (NA) 76,599	210,041 189,375 (NA)	460,418 407,665 867,671 335,359 807,951	44,936 38,538 34,182 30,231 27,584	19,193 16,766 15,752 13,806 12,598	18,389 16,972 15,081 13,936 12,405
1960	1,276 1,203	630,239 588,633 545,515	49,889 46,397 46,598 44,329 44,374	111,445 98,866 94,379	34,187 33,419 29,978 31,421 29,938	278,246 259,635 244,515 218,371 190,821	152,961 143,296	29,442 25,601 25,659	84,832 79,000 74,224 68,946 60,820	72,287 70,844 67,268 64,205 61,739	148,518 138,262 127,652 114,847 104,838	297,782 280,035 254,257 245,047 224,658	26,286 25,952 21,481 25,686 25,316	12,461 12,205 9,953 10,985 10,898	11,649 11,032 10,171 9,858 9,274
1955	932 915	404,992	42,818 38,641 38,523 38,062 36,525	95,618 77,202 72,202 67,708 54,193	25,551 22,435 24,254 23,261 21,116	185,706 177,072 162,600 152,314 135,746	116,634 107,541 99,083 90,066 80,793	21,567 17,334 17,884 17,632 15,143	55,092 50,689 46,312 42,183 37,093	56,431 52,965 51,399 48,925 46,289	94,882 83,157 75,217 69,478 61,590	209,917 177,314 183,538 164,378 153,193	26,395 19,840 21,340 19,040 20,238	11,587 8,502 10,175 8,938 9,875	8,566 7,355 6,949 6,490 6,107
1950	688 623 601 561 531	304,127 274,870 260,770 242,492 222,988	33,999 28,631 30,306 29,110 25,806	46,701 84,547 85,569 81,899 25,575	15,954 18,562 14,590 12,402 10,136	111 540	71,224 65,918 59,843 52,540 46,716	11,908 9,434 10,726 9,878 8,051	32,941 31,539 29,029 24,819 22,029	42,678 42,921 41,379 38,187 35,816	55,080 47,206 42,811 37,099 32,199	126,812 103,853 107,250 88,741 64,349	18,751 12,434 13,214 9,939 6,632	7,370 3,778 4,077 2,982 1,920	5,916 4,617 4,159 3,464 2,947
1945 1944 1948 1942 1942	542 517 491 455 426	202,520	25,537 22,922 22,340 20,997 19,583	24,491 21,966 19,718 18,191 17,414	7,676 8,244 8,871 7,986 6,092	124,013 114,571 98,922 84,851 75,221	44,778 47,135 48,227 48,042 42,637	7,104 7,665 7,397 6,654 5,788	20,587 21,759 22,564 23,105 23,096	35,255 35,654 34,916 35,433 36,187	33,078 31,419 29,872 26,074 24,235	69,525 76,920 71,997 57,268 41,527	7,035 9,858 10,584 8,482 5,534	2,855 4,852 5,273 3,621 2,036	2,687 2,687 2,396 2,431 2,608
1940	394 394	144,205 138,119	21,165 16,679 13,016 10,419 11,489	14,199 12,819 12,343 14,067 13,918	4,519 3,961 3,764 4,191 3,463	69,823 67,140 64,956 63,721 63,457	41,431 40,866 40,792 40,581 38,126	5,091 5,260 4,906 5,466 5,331	22,673 22,398 21,198	35,917 36,010 36,490 37,375 36,315	21,563	32,026 27,526 24,815 29,257 25,723	3,587 2,700 1,755 3,090 2,716	764 336 236 347 274	2,417 2,188 1,911 2,725 2,533

NA Not available.

¹ Figures in *italics* represent deficit or loss.

² For 1970, "Less than \$50,000" asset-size classification included with "\$50,000 to \$99,999."

³ For 1931-1935, data for returns with assets of \$100,000,000 or more are included under the asset-size classification "\$50,000,000 to \$99,999,999."

Series V 197-270. Assets, Liabilities, and Selected Income Items for Selected Utility Industries: 1902 to 1970

							In :	millions of	dollars							
				Ası	sets					Liabil	ities					
	Total assets or				ctric plant ment in se			Current	Long-	Other		Other		Total revenue	Net income	Divi- dends
Year	liabil- ities ¹	Current assets	Invest- ments	Gross	Reserve for depre- ciation	Net	Other assets	liabil- ities	term debt	liabil- ities	Capital stock	paid-in capital	Net surplus			
						CLASS A	A AND B ELI	ECTRIC COM	PANIES, PR	IVATELY OV	VNED					
	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212
1970 1969 1968 1967 1966	87,417.3 78,316.5 71,099.5 65,196.7 60,359.4	5,321.1 4,810.1 4,439.0 4,156.5 4,019.5	1,742.2 1,680.2 1,464.4 1,853.2 1,294.9	75,665.8 69,863.6 64,953.1		56,990.3 52,617.9 48,941.7	14,835.9 12,578.2	7,308.6 6,948.4 5,646.2 4,943.2 4,495.1	37,071.8 33,519.4	3,626.9 3,418.3 3,186.2 2,991.7 2,810.6	18,583.8 17,745.6 17,079.5	3,686.1 3,259.9	8,608.2 7,742.2 6,997.2	21,221.0 19,529.3 18,040.9	3,196.0 2,995.5 2,908.3	2,311.6 2,198.5
1965 1964 1963 1962 1961	53,753.4 51,388.9 49,191.3	3,639.1 3,634.1 3,410.9 3,319.6 3,151.9	1,247.2 1,210.9 1,148,4 1,125.4 1,083.2	51,321.0 48,640.2	10.550.1	39,810.3 38,090.1	8,114.1 7,528.2 7,019.1 6,656.4 6,629.7	4,221.7 3,736.2 3,618.6 3,284.8 3,286.1	24,589.0 23,631.8 22,912.2	2,667.8 2,517.5 2,434.4 2,198.6 1,979.4	15,074.2 14,324.8	1,989.7 1,990.5	4,640.1	15,917.3 15,111.5 14,265.0 13,541.1 12,674.6	2,178.4 2,053.5	1,576.5
1960 1959 1958 1957 1956		2,799.1 2,617.6	1,057.8 1,008.1 979.2 937.2	36,632.2	8,064.3 7,858.7 6.771.4		6,076.7	2,965.7 2,781.2 2,803.6	21,034.9 19,818.0 18,558.3 17,036.8 15,210.8	1,601.5 1,339.0 1,086.0	13,322.3 12,635.7 12,073.6 11,434.3 10,934.3	1,728.7 1,483.1 1,322.2	3,356.3 3,041.5 2,718.4	11,998.2 11,192.6 10,254.6 9,734.6 9,114.4	1,655.8	1,217.8 1,133.9 1,069.1

Series V 197-270. Assets, Liabilities, and Selected Income Items for Selected Utility Industries: 1902 to 1970—Con.

				,	,			llions of do								
				Ass	sets					Liabili	ties		·			
Year	Total assets or liabil- ities ¹	Current assets	Invest- ments	Elec equip Gross	Reserve	and rvice Net	Other assets	Current liabil- ities	Long- term debt	Other liabil- ities	Capital stock	Other paid-in capital	Net surplus	Total revenue	Net income	Divi- dends
					depre- ciation							<u> </u>				
					i 	CLASS A A	ND B ELECT	TRIC COMPA	NIES, PRIVA	ATELY OWN	ED-Con.		1			 -
	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212
955 954 953 952 951	30,992.4 28,974.5 26,615.5 24,502.4 22,365.0	2,567.3 2,436.9 2,377.1 2,442.6 2,307.5	932.9 1,009.1 912.0 1,255.2 1,234.5	28,681.1 26,011.4 23,369.1 20,996.3 19,191.1	5,712.5 5,251.4 4,845.7 4,512.3 4,161.0	22,968.6 20,760.0 18,523.4 16,484.0 15,030.1	4,523.6 4,768.5 4,803.0 4,320.6 3,792.9		10,796.5 9,983.0		9,924.5 9 314,2 8,763.6 8,145.8	922.5 657.1	1,867.8 1,644.7 1,444.4	6,619.4	947.1	724
)50)49)48)47)46)45)44)43)42)41	20,522.7 18,906.0 17,265.8 15,573.3 14,648.6 14,451.9 15,181.3 15,524.7 15,611.8 15,599.8	2,058,1 1,898.7 1,985.2 1,763.4 1,703.9 1,672.4 1,654.7 1,582.9 1,364.7 1,217.2	1,234.9 1,272.4 1,154.6 1,096.0 1,066.8 1,089.4 1,297.4 1,289.8 1,320.0 1,321.0	17,275.6 15,583.2 13,838.8 12,472.0 11,827.5 11,495.6 11,279.2 11,098.1 10,825.6 10,501.1	3,851.6 3,567.3 3,369.1 2,915.5 2,715.8 2,502.2 2,272.3 2,055.9 1,860.4 1,710.2	13,424.0 12,015.9 10,469.7 9,556.5 9,111.7 8,993.4 9,006.9 9,042.2 8,965.2 8,790.9	3,805.7 3,719.0 3,656.3 3,157.4 2,828.1 2,762.2 3,664.6 4,053.9 4,369.0	0.00%	6,587.5 6,753.6	262.6 267.6 342.2 378.6 371.5	7,621.0 7,015.8 6,404.3 6,071.1 5,804.0 5,950.4 6,271.0 6,353.1 6,487.3 6,503.7	589,2 539.9 505.1 487.4 499.9 282.3 279.2 306.4 215.4 265.0	845.2	5,134.4 4,895.9	534.5 506.8 501.5	559 493 494 458 407 397 410 407
940 939 938 937	15,477.2 15,317.6 15,469.0 15,272.1	1,122.9 1,041.7 1,083.7 959.1	1,380.4 1,420.8 1,468.4 1,462.4	10,165.0 9,924.3 9,710.3 9,469.1	1,593.8 1,501.8 1,413.9	8,571.2 8,422.5 8,296.4 8,122.7		692.0 655.2 750.4 692.4	7,060.3	303.6 276.7 270.4 280.9	6,470.8 6,387.1 6,375.9	254.9 216.1 224.2	860.4 811.1 787.8 802.3	2,717.4 2,615.5	547.7 534.8 487.2 509.5	444
		I			1	CENTRAL E	LECTRIC LI	GHT AND PO	WER STATI	ONS, COMMI	ERCIAL		T	1		
	213	214	215	216	217	218	219	220	221	222	223		224	225	226	227
937 932 927 922 917 912 907	15,553.6 15,871.6 12,239.6 5,333.3 3,555.1 2,434.1	982.2	1,308.1 957.0 622.4 421.2 238.9 164.4	14,370.4 10,586.8 4,290.3 2,964.2		13,229.3 9,886.6	570.6 742.2 748.3 197.5 173.1 30.9	348.6	6,678.8 5,309.0 2,125.2	6979	5,095.1 2.110.4	 	1,000.9 988.6 712.3 259.9 165.8 115.7	2,266.1 1,841.2 986.7 486.6	258.5 91.5 61.6	498 338 129 64 34
				<u> </u>	<u> </u>		STREET	AND ELECT	RIC RAILWA	AYS]		1	<u> </u>	<u> </u>	<u> </u>
	228	229	230	231	232	233	234	235	236	237	238		239	240	241	242
937 932 927 9223 9224 917 907	6,454.6 3,967.6 4,160.0 4,113.8 6,042.1 5,317.4 4,236.3 2,533.8	164.1 230.3 143.4 178.9 173.8	472.0 439.4 633.8	3,637.7	73.9	3,286.4 4,966.8	567.4 131.4 248.7 224.0 279.9 200.3 142.1 77.7 152.6	359.5 409.3 570.9 357.5 441.1 399.4 118.7	1,914.1 2,052.8 2,041.2 2,969.3 2,997.7 2,273.1 1,658.6 974.1	446.3 316.5 227.6 289.7 152.1 159.5 85.0	1,294.8 1,447.8 1,506.2 2,307.6 2,456.6 2,348.5 2,022.9		-51.2 -51.3 -16.6 -70.4 -26.7 78.1 95.3 70.4 40.7	527.3 813.3 784.9 1,049.8 730.6 586.4	40.7 35.7 74.2 81.8 81.4 68.8	15 32 25 55 75 75
		1}	1	1	11	1	l	TELEPHON	T	I	I	1	T	1	T	T
1977	243	244	245	246	247	248	249	250	251	252	253		254	255	256	257
937 932 927 922 917 912 907 902	2,135.8 1,424.5 1,295.6 940.3 466.4	96.6 83.0	193.4 75.2 104.5 60.7 24.2	1,081.4 794.1	459.6 234.4		84.6 39.3 13.1 2.6	88.0 85.0	497.3 405.8 302.5	60.9 151.0 45.2	670.9 590.1 459.4		226.3 149.0 60.8 48.2 21.3	255.1 176.7	96.7 59.4 51.3 41.2	3. 2:
		JI		<u> </u>			<u> </u>	TELEGRAI	PHS	<u> </u>	1	1	1	1		
	258	259	260	261			262	263	264	265	266		267	268	269	270
937 932				506.8 506.4										135.8 114.7		(NA
927 927 922 917 912 907 902	459.5 363.1 298.3 261.8 195.5	59.4 42.3 15.3	78.9 56.0 33.9 36.5 30.7	426.7 326.7 243.4 222.0 210.0			3.9	35.2 12.9	61.8 62.7 65.2	67.3 20.8 8.3	167.3 163.6 155.1		70.5 34.8 15.8 20.3	177.6 146.8 107.0 60.4	23.9 17.8 6.4 9.7	14

^{*} Denotes first year for which figures include Alaska and Hawaii.

NA Not available.

¹ Includes net value of plant and equipment when a reserve for depreciation is shown; otherwise, gross value.

Reflects assignment of par value to stock previously without par value and transfer to premium on capital stock of difference between par value and stated value.
 Comparable with later years.
 Intercompany holdings of independent companies not deducted.

Series V 271-284. Net Value of Plant and Equipment in Regulated Industries: 1870 to 1951
[In millions of dollars. As of January 1]

					[III IIII	inons or do	liars. As o		· J					
l	All reg		Ste railr	am oads	Electr and p	ic light oower	Telep	hones	Street a tric ra	nd elec- ilways	Loca lin		All o	ther
Year	Current dollars	1929 dollars	Current dollars	1929 dollars	Current dollars	1929 dollars	Current dollars	1929 dollars	Current dollars	1929 dollars	Current dollars	1929 dollars	Current dollars	1929 dollars
	271	272	273	274	275	276	277	278	279	280	281	282	283	284
1951	87,254 81,881 77,416 68,020 58,495 51,423	48,394 46,950 45,299 43,187 41,752 41,171	39,213 38,243 37,695 34,099 30,769 27,868	22,601 22,509 22,265 22,028 22,009 22,135	19,145 17,265 15,069 12,630 10,326 8,867	9,335 8,822 8,145 7,523 7,136 7,037	8,377 7,520 6,650 5,479 3,978 3,064	5,056 4,784 4,341 3,591 3,007 2,683	1,299 1,314 1,375 1,311 1,356 1,278	749 773 812 847 970 1,015	628 680 696 621 449 356	351 380 405 395 333 309	18,592 16,860 15,932 13,880 11,617 9,991	10,303 9,682 9,331 8,803 8,295 7,992
1945 1944 1943 1942 1941	49,842 50,008 48,430 43,794 40,475	41,260 41,569 42,150 42,029 41,555	26,905 26,829 25,369 22,180 20,533	22,217 22,265 22,391 22,314 22,270	8,726 8,966 9,052 8,724 8,171	7,089 7,254 7,383 7,343 7,174	3,001 3,021 3,057 2,877 2,478	2,668 2,731 2,810 2,693 2,487	1,301 1,376 1,376 1,289 1,251	1,074 1,142 1,215 1,297 1,357	349 355 380 330 264	308 315 340 321 274	9,559 9,461 9,195 8,394 7,777	7,904 7,862 8,011 8,061 7,993
1940 1939 1938 1937 1936		41,600 41,909 42,259 42,012 42,245	20,018 20,220 20,960 19,491 19,467	22,292 22,517 22,733 22,638 22,769	7,946 7,899 7,895 7,166 6,996	7,094 7,110 7,068 6,985 7,024	2,446 2,398 2,309 2,308 2,371	2,387 2,355 2,334 2,284 2,324	1,548 1,590 1,695 1,640 1,683	1,724 1,771 1,838 1,904 1,974	228 212 198 169 136	243 223 220 201 162	7,500 7,535 7,807 7,247 7,151	7,860 7,933 8,066 8,000 7,992
1935 1934 1993 1992 1931		42,920 43,722 44,714 45,371 45,212	19,453 18,716 19,434 21,579 23,273	23,076 23,366 23,729 24,030 24,142	7,010 6,582 6,629 7,090 7,090	7,161 7,345 7,533 7,599 7,424	2,446 2,339 2,466 2,699 2,568	2,418 2,533 2,656 2,690 2,576	1,740 1,745 1,900 2,204 2,466	2,064 2,179 2,320 2,454 2,558	115 101 103 107 109	133 128 120 120 120 115	7,133 6,763 7,029 7,745 8,078	8,068 8,176 8,357 8,478 8,397
1930		43,857 42,407 41,377 40,234 39,020	23,774 23,120 23,571 23,132 22,752	23,774 23,401 23,154 22,858 22,482	6,934 6,215 5,746 5,427 5,100	6,934 6,535 6,139 5,683 5,241	2,242 1,968 1,871 1,773 1,649	2,242 1,899 1,718 1,596 1,457	2,648 2,711 2,897 2,990 3,118	2,648 2,744 2,846 2,955 3,081	110 98 83 75 61	110 100 85 74 58	8,149 7,616 7,500 7,119 6,769	8,149 7,728 7,435 7,069 6,701
1925 1924 1923 1922 1921		37,947 36,627 35,388 35,025 35,060	23,270 23,223 20,367 22,629 28,841	22,204 21,785 21,260 21,228 21,191	4,606 3,963 8,317 3,416 3,591	4,729 4,145 3,633 3,416 3,343	1,526 1,355 1,246 1,325 1,291	1,332 1,201 1,112 1,066 1,064	3,355 3,534 3,254 3,710 4,920	3,201 3,316 3,397 3,480 3,615	47 33 14 4 4	44 31 12 3 3	6,699 6,460 5,739 6,218 7,737	6,437 6,149 5,974 5,832 5,845
1920 1919 1918 1917 1916		35,053 35,276 35,361 34,822 34,684	24,679 22,309 18,343 14,776 12,832	21,220 21,410 21,454 21,322 21,315	3,205 3,085 2,682 2,110 1,687	3,264 3,310 3,382 3,216 3,177	1,033 992 940 762 730	1,076 1,112 1,140 1,109 1,101	4,354 3,980 3,274 2,656 2,326	3,743 3,819 3,829 3,833 3,864	3 1 1 1	3 2 1 1 1	6,510 5,755 4,711 3,687 3,130	5,747 5,623 5,555 5,341 5,226
1915 1914 1913 1912 1911	20,318 20,517 19,464 18,411 17,638	34,614 34,025 32,989 31,743 30,463	12,687 12,877 12,184 11,630 11,265	21,358 21,075 20,443 19,847 19,190	1,595 1,560 1,535 1,315 1,109	3,133 3,029 2,925 2,605 2,811	738 747 709 689 650	1,143 1,150 1,145 1,096 1,079	2,286 2,357 2,288 2,254 2,255	3,849 3,839 3,825 3,847 3,816	(Z) (Z) (Z) (Z)	(Z) (Z) (Z) (Z)	3,011 2,975 2,748 2,523 2,359	5,131 4,932 4,652 4,348 4,068
1910		29,049 27,925 26,792 25,533 24,387	10,459 9,790 9,527 8,848 7,940	18,413 17,735 17,105 16,477 15,976	964 792 728 629 543	2,042 1,795 1,568 1,413 1,268	621 590 611 545 448	1,055 1,067 1,077 1,000 856	2,152 2,086 2,046 1,855 1,613	3,750 3,745 3,647 3,422 3,200		(Z)		3,789 3,583 3,396 3,221 3,087
1905 1904 1903 1902 1901		23,524 22,855 22,271 21,750 21,276	7,483 7,455 7,179 6,898 6,944	15,688 15,531 15,439 15,362 15,295	474 407 361 306 267	1,130 1,000 875 746 638	385 337 292 254 226	752 676 585 516 456	1,444 1,338 1,205 1,085 1,012	2,970 2,746 2,542 2,365 2,190			1,411 1,388 1,319 1,245 1,232	2,984 2,902 2,830 2,761 2,697
1900	9,021 8,091 7,757 7,869 7,754	20,785 20,328 20,095 19,973 19,881	6,560 6,000 5,867 6,100 6,104	15,185 15,113 15,239 15,444 15,652	234 185 146 108 102	569 490 408 347 311	186 144 119 90 72	384 321 276 235 182	892 749 647 580 497	2,019 1,839 1,642 1,440 1,248			1,149 1,013 979 991 979	2,628 2,566 2,580 2,508 2,488
1895 1894 1893 1892 1891	7,845 7,462 7,212 7,184	19,735 19,274 18,200 17,212 16,747	6,194 6,363 6,098 5,936 5,955	15,801 15,635 14,873 14,168 13,882	96 82 69 56 48	264 230 193 152 123	59 42 40 37 38	137 98 92 86 84	430 381 328 287 252	1,072 915 783 670 576			957 977 927 896 891	2,461 2,396 2,259 2,136 2,083
1890		16,313 15,907 15,470 14,964 14,681	5,827 5,766 5,626 5,494 5,354	13,614 13,348 13,022 12,631 12,394	34 23 15 9 5	87 60 39 23 13	34 29 28 27 30	75 64 61 60 65	220 195 173 150 139	502 441 392 337 313			867 859 841 829 815	2,035 1,995 1,956 1,918 1,896
1885	6,378 6,502 6,412 5,850 5,357	14,529 14,259 13,789 13,028 12,121	5,390 5,482 5,401 4,922 4,494	12,278 12,048 11,641 10,986 10,191	(Z) (Z)	8 5 2 1 (Z)	26 23 20 14 9	56 47 38 29 18	133 134 131 119 116	294 284 272 254 248			827 861 859 795 738	1,893 1,876 1,836 1,759 1,664
1880	4,576 4,828 5,199 5,486	11,573 11,384 11,229 11,086 10,994	3,852 3,853 4,061 4,380 4,630	9,728 9,584 9,467 9,360 9,298				9	98 93 93 94 93	235 219 203 188 175			640 630 674 725 763	1,602 1,580 1,559 1,538 1,521
1875 1874 1873 1872 1871 1870	4,401	10,912 10,740 10,340 9,662 8,810 8,053	4,844 5,076 4,799 4,172 3,829 3,787	9,244 9,114 8,789 8,229 7,523 6,886					91 90 81 68 61 65	162 150 138 126 112 108			794 827 776 659 594 585	1,506 1,476 1,413 1,307 1,175 1,059

Z Less than \$500,000.

CORPORATE ASSETS, LIABILITIES, AND INCOME

Series V 285–305. Assets, Liabilities, and Selected Income Items for Two Samples of Large Manufacturing Corporations: 1914 to 1943

[In millions of dollars]

		,		[In millions	of dollars]				· · · ·	
		Total assets			Current assets			Investments	Fixed	Other
Year		or liabilities	Total 1	Cash	Marketable securities	Receivables	Inventory	and advances	assets (net)	assets
		285	286	287	288	289	290	291	292	293
1943 1942 1941		24,632.3 23,074.1 21,071.8	13,259.6 11,664.6 9,643.3	2,610.4 2,120.6 2,059.2	2,666.1 1,751.2 1,280.6	3,241.6 3,168.2 2,097.8	4,741.5 4,624.6 4,205.7	1,775.5 1,833.5 1,902.8	8,727.0 8,853.4 8,911.1	870.2 722.6 614.6
1940		19,048.2 18,212.5 17,769.2 18,034.0 16,985.4	7,858.0 7,033.9 6,641.1 6,663.3 6,280.8	2,184.0 1,772.1 1,593.9 1,105.4 1,270.1	602.5 576.0 451.9 493.9 522.6	1,511.0 1,297.9 1,223.8 1,282.2 1,266.7	3,560.5 3,387.9 3,371.5 3,781.8 3,221.4	1,985.9 1,850.8 1,650.2 1,637.9 1,594.0	8,715.6 8,807.4 8,937.8 9,156.9 8,592.7	488.7 520.4 540.1 575.9 517.9
1935		16,338.9 16,257.0 16,588.0 16,799.4 18,035.6	5,933.0 5,553.1 5,448.2 5,360.4 6,031.3	1,299.1 1,109.1 1,041.3 1,219.5 1,080.4	613.8 705.8 899.2 782.2 1,030.3	1,093.2 947.8 962.5 987.3 1,180.8	2,926.9 2,790.4 2,545.2 2,371.4 2,739.8	1,547.6 1,604.7 1,673.7 1,466.2 1,362.1	8,356.4 8,600.2 8,757.5 9,391.6 10,021.3	501.9 499.0 708.6 581.2 620.9
930		18,689.2 18,684.2 17,292.3 16,360.7 16,048.3	6,855.1 7,394.1 6.999.5 6,467.1 6,651.5	1,219.1 1,124.3 1,187.2 1,026.7 937.1	910.0 1,059.1 1,079.6 928.5 877.9	1,453.9 1,675.7 1,529.9 1,403.3 1,658.2	3,272.1 3,535.0 3,202.8 3,108.6 3,178.3	1,434.7 1,643.8 1,221.7 1,089.7 1,035.9	9,735.3 8,972.7 8,459.8 8,255.1 7,847.6	664. 673. 611. 548. 513.
925		15,029.9 14,030.7 13,761.3 12,701.1	6,218.9 5,728.9 5,555.9 5,102.3	911.9 818.6 735.9 650.7	694.4 665.0 620.0 583.9	1,595.0 1,472.8 1,437.3 1,379.6	3,017.6 2,772.5 2,762.7 2,488.1	1,029.5 1,025.7 1,104.7 1,032.6	7,302.9 6,752.3 6,571.7 6,005.8	478. 523. 529. 560.
922 ³ 921		9,911.5 9,915.1	3,753.2 3,786.5	547.7 526.6	430.8 432.2	943.7 985.4	1,826.7 1,837.1	785.3 775.4	4,882.3 4,874.8	490. 478.
1920 1919 1918 1918 1917		10,463.5 9,693.5 9,340.7 8,197.0 6,754.0	4,646.8 4,500.6 4,512.5 3,662.7 2,579.3	520.0 573.8 581.6 552.9 448.3	369.6 534.7 621.0 461.2 190.6	1,209.8 1,065.5 1,071.2 863.0 674.8	2,464.5 2,242.2 2,158.0 1,717.6 1,216.4	651.2 563.2 455.8 407.8 310.4	4,652.4 4,136.1 3,866.3 3,667.6 3,434.7	513.6 493.6 506.1 458.9 429.6
915914		5,919.1 5,254.1	1,920.5 1,532.4	316.4 236.8	99.8 42.0	581.8 465.6	886.4 780.5	306.1 253.6	3,277.1 3,116.6	415.4 351.5
-	11	Current liabiliti	es	Long-	Other liabilities	1	Capital		Net income	Dividend
V	Total 1	Takan 4 as	t Othor	3-1-4		D-ofood C	'a C-	- midal Cla	- Income	_ Divide

		Current	liabilities		Long-	Other		Cap	oital		Net	
Year	Total 1	Notes payable	Accounts payable	Other	term debt	liabilities	Preferred stock	Common stock	Capital reserves	Surplus	income	Dividends
	294	295	296	297	298	299	300	301	302	303	304	305
1943	5,870.8	202.7	1,466.3	4,201.8	1,984.3	495.7	1,831.1	6,843.0	1,408.8	6,198.6	1,247.7	770.7
1942	4,928.9	321.7	1,159.6	3,447.6	1,993.5	461.4	1,898.2	6,830.2	1,208.8	5,753.1	1,154.6	750.2
1941	3,547.7	263.9	925.1	2,358.7	2,014.3	444.5	1,907.4	6,821.4	960.5	5,376.0	1,501.6	949.8
1940	2,081.6	120.4	729.0	1,232.2	2,013.5	421.1	1,946.6	6,805.5	813.3	4,966.6	1,317.6	868.8
	1,440.4	88.2	626.2	726.0	2,089.9	423.2	1,963.1	6,856.5	639.2	4,800.2	1,048.4	750.7
	1,279.9	145.4	532.2	602.3	2,048.4	454.1	1,956.5	6,840.8	596.3	4,593.2	651.6	562.2
	1,597.1	289.2	557.0	750.9	1,717.0	469.5	1,956.0	7,110.4	634.0	4,550.0	1,427.4	1,019.2
	1,480.0	197.5	613.0	669.5	1,551.4	374.6	1,871.2	7,015.2	567.3	4,125.7	1,269.3	922.5
1935	1,201.0	193.6	504.0	503.4	1,592.0	440.8	1,882.4	6,805.0	519.9	3,897.8	791.7	514.6
	957.1	129.5	448.1	379.5	1,662.3	476.0	1,938.4	6,782.2	492.2	3,948.8	467.2	440.1
	787.2	65.0	465.7	256.5	1,768.9	413.0	1,945.2	7,243.3	461.2	3,969.2	314.3	384.0
	649.1	34.8	385.2	229.1	1,933.4	406.2	1,955.0	7,307.3	459.3	4,089.1	.5	497.1
	757.3	44.7	425.4	287.2	1,972.1	459.6	1,979.6	7,684.6	550.2	4,632.2	289.7	809.8
1990	1,059.6	72.4	588.9	398.3	2,001.2	299.4	1,995.1	7,521.9	544.9	5,267.1	964.1	971.7
1929	1,364.5	161.8	708.2	494.5	1,850.7	329.4	1,964.0	7,421.7	544.8	5,209.1	1,721.1	1,011.6
1928	1,344.7	171.7	685.5	487.5	2,162.2	279.9	1,918.9	6,582.8	456.4	4,547.4	1,485.3	905.3
1927	1,178.1	152.5	575.8	449.8	2,114.3	242.1	1,907.0	6,283.2	460.0	4,176.0	1,098.7	839.5
1927	1,385.0	166.6	760.2	458.2	1,887.0	67.4	2,041.1	5,974.0	429.1	4,264.7	1,311.0	764.8
1925 1924	1,344.2 1,225.9 1,297.5 1,111.0	162.4 232.7 319.2 273.0	790.0 689.5 685.1 604.1	391.8 303.7 293.2 233.9	1,756.8 1,745.2 1,780.4 1,648.6	66.4 55.4 59.5 59.7	1,983.5 1,935.2 1,913.8 1,877.2	5,551.1 5,384.8 5,251.0 4,864.2	447.5 423.8 405.7 435.4	3,880.4 3,260.4 3,053.4 2,705.0	1,214.7 889.7 868.1 645.2	613.9 527.2 499.1 410.5
1922 ³ 1921	799.1 948.2	220.0 436.9	289.9 230.9	204.5 198.8	$1,460.3 \\ 1,470.6$	40.4 60.0	1,547.3 1,450.1	3,592.9 3,028.0	505.4 552.5	$1,966.1 \\ 2,405.7$	511.1 139.2	535.9 297.2
1920	1,556.1	670.8	370.1	285.1	1,286.2	47.2	1,453.5	2,959.6	474.2	2,686.7	587.8	311.3
1919	1,459.9	511.3	385.0	323.7	1,204.0	88.4	1,404.1	2,610.7	440.7	2,485.7	610.7	297.1
1918	1,737.1	447.2	435.4	700.0	1,221.0	79.8	1,298.4	2,472.9	370.6	2,160.9	627.4	331.9
1917	1,331.3	345.4	332.8	471.1	1,114.2	82.4	1,236.4	2,337.9	237.7	1,857.1	875.1	357.4
1917	658.9	204.4	227.0	122.7	1,067.3	68.3	1,173.3	2,108.0	150.0	1,528.2	914.0	305.6
1915	527.8	177.4	220.0	67.5	1,030.0	122.5	1,149.6	1,955.9	126.8	1,006.5	381.5	172.1
1914	385.0	181.1	111.3	53.4	1,027.9	22.4	1,064.7	1,865.6	77.0	811.5	190.5	154.1

 $^{^{\}rm 1}$ For 1914–1922, exceeds sum of components by amount of unsegregable items. $^{\rm 2}$ Comparable with later years.

³ Comparable with earlier years.

Series V 306-332. Business Expenditures for New Plant and Equipment: 1947 to 1970
[In billions of dollars]

						M	[anufacturi	ng					
Total					D	urable goo	ds				No	ndurable go	ods
all indus-	Total		Primary	Electrical machinery	Ma-	Transpo	ortation equ	uipment	Stone.			Food	
		Total	metal	and equip- ment	chinery, except electrical	Total	Motor vehicles	Aircraft and other 1	glass, and clay	Other durables ²	Total	and beverages	Textile
306	307	308	309	310	3 11	312	313	314	315	316	317	318	319
79.71 75.56 67.76 65.47 63.51	31.95 31.68 28.37 28.51 28.20	15.80 15.96 14.12 14.06 14.06	3.24 3.23 3.36 3.24 2.97	2.27 2.03 1.78 1.70 1.62	3.47 3.44 2.84 2.94 2.87	2.48 2.76 2.48 2.72 2.95	1.59 1.65 1.36 1.54 1.80	0.84 1.11 1.11 1.17 1.16	0.99 1.07 .86 .96 1.16	3.41 3.44 2.82 2.50 2.48	16.15 15.72 14.25 14.45 14.14	2.84 2.59 2.21 2.08 2.10	0.56 .63 .53 .58
54.42 46.97 40.77 38.39 35.91	23.44 19.34 16.22 15.06 14.33	11.50 9.28 7.53 6.79 6.31	2.54 2.16 1.51 1.27 1.30	1.12 .86 .79 .80 .88	2.31 1.79 1.39 1.31 1.20	2.54 1.98 1.58 1.33 1.10	1.89 1.39 1.00 .78 .69	.64 .60 .59 .55	.92 .74 .68 .70 .70	2.07 1.74 1.58 1.38 1.12	11.94 10.07 8.70 8.26 8.02	1.83 1.72 1.53 1.51 1.52	.66 .52 .43 .38
36.75 33.55 31.89 37.94 35.73	15.09 12.77 12.38 16.51 15.40	7.23 5.81 5.61 7.84 7.45	1.82 1.26 1.56 2.45 1.61	.90 .66 .60 .77	1.25 1.02 .92 1.25 1.05	1.25 .96 .85 1.46 1.89	.79 .56 .48 .90 1.44	.46 .39 .37 .55	.75 .69 .55 .76 .89	1.26 1.23 1.12 1.15 1.25	7.85 6.95 6.77 8.68 7.95	1.34 1.22 1.10 1.16 1.05	.37 .30 .22 .32
29.53 27.19 28.20 26.43 25.46	11.89 11.24 11.86 11.45 10.71	5.41 4.91 5.31 5.21 4.82	1.02 .96 1.55 1.94 1.44	.54 .54 .57 .45	.80 .68 .78 .69	1.26 1.32 1.06 .98 1.00	.97 1.12 .87 .77	.28 .19 .19 .22 .22	.64 .44 .41 .38 .45	1.16 .98 .93 .76 .83	6.48 6.33 6.56 6.24 5.89	.90 .93 .95 .86	.31 .30 .34 .40
20.21 18.98 21.30 19.33	7.39 7.12 9.01 8.44	2.94 2.45 3.30 3.25	.72 .74 .94 .81	.25 .21 .29 .30	.41 .38 .53 .52	.57 .45 .58 .60	.49 .36 .47 .50	.09 .09 .10 .10	.30 .16 .26 .33	.70 .51 .70 .69	4.45 4.68 5.71 5.19	.78 .92 1.12 .95	.43 .46 .58 .51
	306 79.71 75.56 67.76 65.47 63.51 54.42 46.97 40.97 38.39 35.91 36.75 33.55 31.89 37.94 35.73 29.58 27.19 28.20 26.43 25.46 20.21 18.98 21.30	all industries Total 306 307 79.71 31.95 75.56 31.68 67.76 28.37 65.47 28.51 63.51 28.20 54.42 28.44 46.97 19.34 40.77 16.22 38.39 15.06 35.91 14.33 36.75 15.09 33.55 12.77 31.89 12.38 37.94 16.51 35.73 15.40 29.53 11.89 27.19 11.24 28.20 11.86 26.43 11.45 26.46 10.71 20.21 7.39 18.98 7.12 20.21 7.39 18.98 7.12 21.30 9.01	all industries Total Total 306 307 308 79.71 31.95 15.80 75.56 31.68 15.96 67.76 28.37 14.12 65.47 28.51 14.06 63.51 28.20 14.06 54.42 28.51 14.06 54.42 19.34 9.28 40.77 16.22 7.53 38.39 15.06 6.79 35.91 14.33 6.31 36.75 15.09 7.23 33.55 12.77 5.81 31.89 12.38 5.61 37.94 16.51 7.84 35.73 11.89 7.23 33.55 12.77 5.81 31.89 12.38 5.61 37.94 16.51 7.84 29.53 11.89 5.41 27.19 11.24 4.91 28.20 11.86 5.31 26.43 11.45 5.21 26.43 11.45 5.21 26.46 10.71 4.82 20.21 7.39 2.94 18.98 7.12 2.45 21.30 9.01 3.30	all industries Total Total Total Total Primary metal 306	Total Total Primary metal otal all industries	Total all industries	Total all industries	Total all industries Total Total Primary metal Primary metal Aircraft and chinery, except electrical ment Machinery, except electrical ment Total Motor vehicles Aircraft and other	Total all industries	Total all industries Total and industries Total and industries Total and industries Total and industries Total and and equipment Total and equipment electrical and electric	Total all industries	Total all industries	

		Man	ufacturing—	Con.			Transpo	ortation	P	ublic utilitie	28		
		Nondi	ırable goods-	-Con.		Mining		Air			Gas	Commu- nication	Commer- cial and
Year	Paper	Chemical	Petroleum	Rubber	Other non- durables s		Railroad	and other	Total	Electric	and other		other 4
	320	321	322	323	324	325	326	327	328	329	330	331	332
1970 1969 1968 1967 1966	1.65 1.58 1.32 1.56 1.43	3.44 3.10 2.83 3.06 3.26	5.62 5.63 5.25 5.08 4.70	0.94 1.09 .98 .67	1.11 1.10 1.13 1.31 1.18	1.89 1.86 1.63 1.65 1.62	1.78 1.86 1.45 1.86 2.37	4.26 4.19 4.15 3.77 3.38	13.14 11.61 10.20 8.74 7.43	10.65 8.94 7.66 6.75 5.38	2.49 2.67 2.54 2.00 2.05	10.10 8.30 6.83 6.34 6.02	16.59 16.05 15.14 14.59 14.48
1965 1964 1963 1962 1961	1.22 .97 .72 .66 .64	2.78 2.08 1.73 1.56 1.58	4.03 3.59 3.15 3.12 3.00	.56 .44 .37 .33 .31	.92 .75 .78 .69 .63	1.46 1.34 1.27 1.40 1.29	1.99 1.66 1.26 1.02	2.90 2.52 1.98 2.17 1.96	6.13 5.49 4.98 4.90 5.00	4.43 3.97 3.67 3.53 3.55	1.70 1.51 1.31 1.38 1.45	5.30 4.61 4.06 3.85 3.39	13.19 12.02 10.99 9.99 9.13
1960 1959	.77 .62 .57 .80	1.55 1.17 1.33 1.73 1.46	2.89 2.76 2.72 3.84 3.47	.31 .26 .22 .26 .27	.62 .62 .62 .56	1.30 1.36 1.43 1.69 1.64	1.16 1.02 .86 1.58 1.37	1.96 2.11 1.43 1.71 1.66	5.24 5.14 5.52 5.67 4.52	3.62 3.60 3.99 3.98 3.13	1.62 1.54 1.53 1.68 1.39	3.24 2.72 2.79 3.19 2.82	8.75 8.44 7.48 7.60 8.32
1955 1954 1953 1952 1951	.51 .45 .41 .36 .42	1.02 1.13 1.43 1.39 1.25	3.08 2.93 2.89 2.72 2.22	.20 .18 .20 .19 .19	.46 .41 .33 .31	1.31 1.28 1.25 1.21 1.11	1.02 .93 1.42 1.50 1.58	1.56 1.46 1.53 1.47 1.47	4.03 3.99 4.34 3.74 3.56	2.87 3.04 3.18 2.72 2.25	1.15 .95 1.17 1.02 1.31	2.11 1.82 1.78 1.61 1.37	7.63 6.45 6.02 5.45 5.67
1950 1949 1948 1947	.33 .30 .38 .37	.77 .67 .94 1.06	1.63 1.83 2.16 1.74	.14 .11 .13 .17	.37 .39 .39 .40	.84 .88 .93 .69	1.18 1.42 1.37 .91	1.19 .88 1.27 1.30	3.24 3.10 2.54 1.54	2.07 2.17 1.90 1.03	1.18 .93 .64 .51	1.14 1.34 1.74 1.40	5.22 4.24 4.42 5.05

¹ Includes guided missiles and space vehicles.

² Includes fabricated metal, lumber, furniture, instrument, ordnance, and miscellaneous except guided missiles and space vehicles.

Includes apparel, tobacco, leather, printing, and publishing.
 Includes trade, service, construction, finance, and insurance.

Productivity and Technological Development

Productivity Indexes (Series W 1-81)

W 1-81. General note.

Work in the field of productivity has been carried on by many individuals and organizations, especially the U.S. Bureau of Labor Statistics (BLS) and the National Bureau of Economic Research (NBER). Extensive work is being done by BLS, which measures productivity for the economy and for selected major sectors and industries.

Productivity can be defined generally as the ratio relating output (goods and services) to one or more of the inputs (labor, land, capital, energy, etc.) associated with that output. A variety of productivity measures can be developed, the particular form depending on the purpose to be served. Output per labor input is useful in understanding changes in employment or labor cost. A more comprehensive measure would be output per unit of labor and capital combined which is useful in studying how the economy has used these resources. The latter measures, which have been developed by John W. Kendrick for NBER, are covered in series W 5-8. Their construction is described in the NBER volume, Productivity Trends in the United States, 1961, General Series 71, and in Postwar Productivity Trends in the United States, 1973, General Series 98.

Historically, the measure of productivity which is most commonly used has been output per unit of labor input—frequently called "labor productivity." Such a measure reflects not only labor's effort but also other factors, including state of technology, capital per worker, availability of materials, the efficiency of management, rate of operations, and changes in the composition of the work force. Measures of this type have been developed by the BLS.

The output part of a labor productivity ratio may also be defined in several ways. The simplest one, conceptually, is what is called physical output, where the components are physical units such as pounds, bushels, number, etc. To arrive at total measures for an industry or an industry group, the units are weighted by man-hours or the closest equivalent (such as labor cost or value added). This type of measure is a weighted arithmetic average of the productivity change of its components. The BLS industry estimates are of this type. For a more detailed description of the concepts and procedures used, see chapter 26, BLS Handbook of Methods for Surveys and Studies, Bulletin 1711, 1971.

Estimates for broad aggregates, such as manufacturing or the total private economy, are constructed in terms of another output concept called value added or net output where purchased "intermediate" products consumed in the production process are excluded. This type of measure in relation to man-hours reflects not only the average of the individual industry productivity changes, but also shifts in the relative importance of low- or high-productivity industries.

Man-hours in labor productivity data can refer to either hours worked or hours paid for. The latter include not only hours worked but also paid leave time such as vacations, sick leave, and holidays.

The specific year chosen for the weight base may affect the trend of the productivity series. For example, output valued in 1954 prices would undoubtedly show a different trend from net output valued in 1958 prices. In general, a current year-weighted productivity index gives a lower trend than a base year-weighted index, since items which increase most in volume of output tend to be those with price declines or lower price increases.

Productivity series suffer from statistical limitations which are common to most production estimates. Quality change cannot be adequately accounted for in measuring changes in output; price indexes often do not cover a sufficiently broad industrial area; and man-hour weights for constructing physical output series are frequently not available. Productivity statistics also have additional limitations arising out of the noncomparability of output and manhour series.

W 1-11. Indexes of national productivity, 1889-1970.

Source: Series W 1-8, John W. Kendrick, 1889-1966, Productivity Trends in the United States, National Bureau of Economic Research, Princeton University Press, 1961, (copyright) and Postwar Productivity Trends in the United States, National Bureau of Economic Research, 1973 (copyright); 1967-1970, computations supplied by John W. Kendrick. Series W 9-11, U.S. Bureau of Labor Statistics, Productivity, Wages, Prices, and Employment, press release issued quarterly, tables 1 and 2.

These indexes are measures of aggregate productivity for the total private economy and the major segments thereof. The NBER series (W 1-8) show the change in real gross product per unit of factor input after adjustments to exclude general government and real net factor income from abroad. The BLS series (W 9-11) exclude only general government and retain real net factor income from abroad. Since the latter amount as a percent of total product is extremely small, the difference between the two series in this regard is relatively small. For both series, the numerator is derived from the Department of Commerce gross national product series (with some adjustments), carried back from 1929 in the case of the NBER series, chiefly by the national product estimates of Simon Kuznets, supplemented by estimates of government purchases by John W. Kendrick.

Although the numerator of the indexes is adjusted gross national product, the indexes are actually measures of the net productivity of the economy. This arises as the result of "netting" out all intermediate purchases of goods and services, thus eliminating duplication and measuring only the "end product" of the system. Indexes of net productivity may therefore move differently from gross productivity indexes according to changes in the efficiency of materials utilization which are not reflected in gross output indexes of productivity.

The indexes are "real" in the sense that price fluctuations have been eliminated by various means. In the NBER series, the net goods and services produced were combined in six segments or "comparison periods" by a Marshall-Edgeworth formula using as weights the average prices in the terminal years of each period. The final production index is thus a chain index with shifting weights between links, but fixed weights within links. Over the long period, therefore, the productivity index reflects the overall shifts in the industry composition of the aggregates. The comparison bases are 1929 for 1889 to 1933 and 1958 for 1929 to 1970.

The output measure in the BLS index is derived from constant dollar aggregates of gross national product published by the Department of Commerce. These aggregates represent the deflation of current dollar values by weighted price indexes. The resultant indexes of net output approximate production indexes with 1958 representing the price base and 1967 the comparison base.

W 1-3, real gross private domestic product per man-hour. This series shows changes in over-all productive efficiency in terms of man-hours as the physical unit of labor input. In general, the estimates of man-hours were obtained by multiplying employment by average hours worked per year in the various industrial groupings. The industry hours were combined to the desired level of aggregation without explicit weights. The exception to the general rule for derivation of total hours occurred in the farm sector where the Agricultural Marketing Service estimates of farm labor requirements in terms of "average adult man-hour equivalents" were used. The AMS estimates were adjusted upwards by 10 percent in all years to attain a level comparable to that of the other sectors.

For the private nonfarm sector, employment data are based upon establishment reports or represent extrapolations of establishment-type estimates. The estimates since 1929 are by the U.S. Bureau of Economic Analysis (formerly Office of Business Economics). Prior to 1929, they are extrapolations of various benchmark estimates and are largely those used in previous NBER studies of output and employment.

W 4, product per unit of labor input. This series measures net output per weighted man-hour. Man-hours for industry groups or segments were combined by average hourly earnings, using the Marshall-Edgeworth cross-weighting formula. The comparison periods conforming to those in the output index were used. Aside from making possible a comparative study of the movements of output per weighted and per unweighted man-hour, the construction of this index makes possible the combination of the capital and labor inputs and the derivation of indexes of net output per unit of total factor input.

W 5, product per unit of capital input. This series expresses the change in total productivity in terms of real capital assets. The capital input of the private domestic economy was defined to include land and replaceable assets, such as residential and nonresidential structures, equipment, and inventories. The estimates are based primarily on those by Raymond Goldsmith in A Study of Saving in the United States, vol. 3, Princeton University Press, 1956. Index numbers of real capital stocks for separate industry groups were combined by use of the Marshall-Edgeworth formula, using unit capital compensation as weights. The system parallels that used in the index of labor input.

W 6-8, product per unit of total factor input. These series are conceptually more inclusive measures than those shown in series W 1-5 since they relate the quantity of net output to the real quantity of total factor input required to produce it. The index of total factor input is the weighted average of the index of labor input and the index of capital input previously described. The weights are units of factor compensation and the combination was made by applying the Marshall-Edgeworth formula.

W 9-11, real gross private product per man-hour. The output measures used in these productivity estimates—gross product originating developed by the U.S. Bureau of Economic Analysis—are based on a value added concept and represent an unduplicated count of the goods and services produced in an industrial sector. In current dollars, the output data reflect both changes in prices and the physical volume of production. For productivity measurement, only changes in the volume of production are relevant so that output is adjusted for price change and expressed in constant dollars of a base year, which is 1958 for these indexes.

Man-hours refer to hours paid rather than hours worked. They are derived primarily from the BLS establishment data on employment and average weekly hours, supplemented by employment and hours from national income data and the BLS labor force series. The latter is the source of man-hours in the farm sector. Man-hours for the private and nonfarm sectors are the simple aggregate of man-hours computed for each industrial sector. Employment and man-hours data are published in *Employment and Earnings*. A complete description of the methods and procedures used to develop these output per man-hour measures appears in chapter 25 of the BLS Handbook of Methods, Bulletin 1711.

W 12. Productivity—index of output per man-hour for production workers, total mining (1929 = 100), 1890-1960.

Source: John W. Kendrick, *Productivity Trends in the United States*, National Bureau of Economic Research, Princeton University Press, 1961 (copyright).

An earlier index appearing in Harold Barger and Sam H. Schurr, The Mining Industries, 1899–1939: A Study of Output, Employment, and Productivity, NBER, New York, 1944, provided the basis for this series. The earlier index has been extended back by Kendrick to cover years omitted by Barger and Schurr and to include the later period, 1939–1960. Since Kendrick's study of the mining industry was part of a study of national productivity, the need for consistency between the several sectors caused some modification of the Barger and Schurr index.

The mining industry covers all extraction of minerals including stone quarrying and the pumping of crude petroleum. The output index is a price-weighted aggregate of the Marshall-Edgeworth type and is of "modified chain" construction. Separate indexes were computed for each of several comparison periods using the mean of the commodity prices for the terminal years of each period. The indexes of the comparison periods were then linked to obtain an index covering the entire period.

The general weighting scheme of the original study was followed in the Kendrick revisions, except that he applied national income per unit of output as the weighting factor for combining the broad industry groups into the sector aggregate. These broad groups are metal mining, nonmetallic mining and quarrying, oil and gas wells, bituminous coal, and anthracite. For years prior to 1919, the 1919–1929 weights were used.

Basic sources of quantity and value data for the original production index were *Mineral Resources of the United States*, published annually for 1882-1931; and *Minerals Yearbook*, published annually since 1932-33. These volumes were prepared and issued by the U.S. Geological Survey from 1882 to 1923 and by the U.S. Bureau of Mines since 1924.

Labor input data for 1902 are from the U.S. Bureau of the Census, whereas later data are from accident statistics collected by the Bureau of Mines. The data are man-days used in actual mine operation; in most cases, the average number of employees times the number of days the mine operated during the year. BLS reports on employment and average hours have been used since 1939. The estimates of man-hours are the products of man-days times the "nominal" hours worked per day. Nominal hours are implicitly defined as the number of hours customarily worked on one shift in a regular workday by all persons "engaged in production."

W 13. Productivity—index of output per man-hour for production workers, total mining (1947 = 100), 1880-1950.

Source: U.S. Bureau of Labor Statistics computations, 1880–1935, based on WPA National Research Project, Production, Employment, and Productivity in the Mineral Extractive Industries, 1880–1938; 1935–1950, based on BLS, Productivity Trends in Selected Industries, Indexes Through 1950, Bulletin No. 1046.

For 1935-1945, the index for mining represents 6 individual mining industries, for 5 of which the BLS published separate series—bituminous coal, anthracite, iron, copper, and lead and zinc. The production index from which the combined index is derived is an average of the 5 separately published series plus a series for crude petroleum and natural gas weighted with current man-hours; the man-hours index is based on totals for the 6 industries. The productivity index for the years before 1935 is based on the WPA National Research Project study.

The individual mining series (W 14-21) are published annually in a BLS release, *Indexes of Output Per Man-Hour: Selected Industries*. The production data for these series are from the U.S. Bureau of Mines. Employment and average weekly hours series are those of BLS for 1939-1970. For 1935-1939, BLS series were used for the

coal industry and Bureau of Mines data for metal mining. The employment definition adopted (average number of wage earners employed during the 12 months of each year, including months of no activity) is the concept used by the Bureau of the Census.

W 14-21. Productivity—indexes of output per man-hour for production workers, selected mining industries, 1935-1970.

Source: U.S. Bureau of Labor Statistics, 1939 and 1947–1970, Indexes of Output Per Man-Hour: Selected Industries, 1973 Edition, Bulletin No. 1780; all other years, BLS computations.

Production data on which the indexes are based come from the U.S. Bureau of Mines, Minerals Yearbook, and the U.S. Bureau of the Census, censuses of mineral industries. The man-hours components of the indexes are derived from the regularly published BLS series on employment and average weekly hours adjusted by data obtained from the censuses of mineral industries. Exceptions to this are the indexes of man-hours for copper mining and iron mining for 1935–1939, which were derived from accident analysis statistics of the Bureau of Mines; and the lead and zinc mining man-hours for 1935–1939, which were derived from special WPA National Research Project tabulations of Bureau of Mines data for 1935–1939. The man-hours cover only production and related workers, and exclude salaried officers, superintendents, other supervisory employees, and professional and technical employees. They include all hours worked or paid for.

W 22-29. Indexes of output per man-hour and output per employed person, 1947-1970.

Source: U.S. Bureau of Labor Statistics, Handbook of Labor Statistics 1972, table 85.

The measures of output per man-hour in the private economy refer to the ratio between constant-dollar gross national product (GNP) originating in the private sector of the economy or individual sectors, and the corresponding hours of all persons employed.

Two series of output per man-hour estimates have been developed. One series is based on labor force data from surveys of households, conducted by the U.S. Bureau of the Census for the Bureau of Labor Statistics. The other series, shown here, is based primarily on BLS surveys of establishments.

The output measure (GNP) used in preparing both series represents the market value (in 1958 dollars) of final goods and services produced in the economy. It includes the purchases of goods and services by consumers, business establishments, foreign investors, and the various government agencies. The GNP data are prepared by the U.S. Bureau of Economic Analysis. The establishment series is based on an hours paid concept and includes the hours of all persons on establishment payrolls in the private economy. In the development of the establishment man-hour series, data from the labor force reports and national income series were used to supplement the BLS payroll series data.

These indexes relate output to man-hours and to employment. They do not reflect the specific contributions of labor, capital, or any other factors of production. Rather, they measure the combined effect of a number of interrelated influences, such as skills of workers, managerial skills, changes in technology, capital investment per worker, utilization of capital, layout and flow of materials, and labor-management relations.

For a discussion of the BLS indexes and those prepared by the Department of Agriculture's Economic Research Service, see the text for series W 67-81.

The indexes of output per man-hour in manufacturing (series W 25) measure changes in the real value added per man-hour of all wage and salary workers, proprietors, and unpaid family workers. Annual output data used to prepare these indexes are the gross product originating in manufacturing, in 1958 dollars, developed by the U.S. Bureau of Economic Analysis. Gross product originating excludes the cost of materials and other intermediate products consumed in the production process.

Man-hours data are developed by BLS on the basis of establishment data on employment and average weekly hours and refer to hours paid.

For a complete description of the methods used, see chapter 25 of BLS Handbook of Methods, Bulletin 1711.

W 30. Index of output per man-hour for production workers, total manufacturing industries, 1909-1950.

Source: U.S. Bureau of Labor Statistics, 1909, 1914, and 1919-1939 computations based on Handbook of Labor Statistics, 1947; 1939, 1947, and 1949-1950, Trends in Output Per Man-Hour and Man-Hours Per Unit of Output-Manufacturing, 1939-53, Report No. 100, 1955.

The production index used to derive the index of output per manhour in manufacturing for 1909, 1914, and the odd-numbered years 1919–1939, is from Solomon Fabricant, *Employment in Manufacturing*, 1899–1939, NBER, New York, 1942. The production index for even-numbered years to 1939 was computed by use of the Federal Reserve Index for Manufactures. The man-hours index was derived from an employment index based on U.S. Bureau of the Census and BLS data and BLS series for average weekly hours for 1909, 1919, and 1923–1939, supplemented with estimates of the WPA National Research Project for 1920–1922. For 1939, 1947, and 1949–1950, the production index was computed by BLS.

For the period before 1936, indexes of productivity are shown in Production, Employment, and Productivity in 59 Manufacturing Industries, 1919-1936, a 3-volume report prepared by WPA National Research Project on Reemployment Opportunities and Recent Changes in National Techniques. BLS made some revisions in these indexes and extended most of them to 1940. These measures, together with indexes of payrolls and unit labor cost, appear in the BLS report, Productivity and Unit Labor Cost in Selected Manufacturing Industries, 1910-1940, and were later revised. The revised output-per-man-hour series was published in the 1947 Handbook of Labor Statistics.

The production pattern changed radically when the United States began its World War II program. Statistics were inadequate for measuring overall changes in manufacturing efficiency during the period of transition from peace to war. Consequently, there is a gap in the measurements between 1939 and 1947.

The index of output per man-hour in manufacturing attempts to compare the labor time required in the current year to manufacture the current year's output of goods with the time required in the base year to produce the same quantity and mixture of goods. That is, it measures the change in output per man-hour, assuming that the proportion of goods produced by each industry and within each industry in each year under consideration was also produced in the base year. It is the ratio of a production index (consisting of an aggregate of quantities produced weighted by the labor time required to produce a single unit) to a man-hours index (based upon the time of production workers). The concept of physical output holds constant the relative importance of industries. Indexes developed under this concept reflect primarily the average change in productivity of plants and industries in manufacturing.

W 31-54. Indexes of output per man-hour for production workers, selected industries, 1919-1970.

Source: U.S. Bureau of Labor Statistics. For data on 1947 base, selected years, Indexes of Output Per Man-Hour for Selected Industries: 1919-1958, April 1959; all other years, computations (1919-1936, based on WPA National Research Project, Production, Employment, and Productivity in 59 Manufacturing Industries, May 1939; 1936-1939, based on BLS, Productivity and Unit Labor Cost in Selected Manufacturing Industries, 1919-1940, 1942; 1939-1950, based on BLS, Productivity Trends in Selected Industries, Indexes Through 1950, Bulletin No. 1046); for data on 1967 base, Indexes of Output Per Man-Hour: Selected Industries, 1973 Edition, Bulletin No. 1780.

The indexes on the 1939 base were published in 1939 by the National Research Project on Reemployment Opportunities and Recent Changes in Industrial Techniques, a unit of the Works Progress Administration. They were based on data obtained from the U.S. Bureau of the Census, BLS, and other official and private agencies. BLS made some revisions in these series, and extended most of them through 1945. These extended and revised indexes were published, together with indexes of unit labor cost, in a series of BLS publications, Productivity and Unit Labor Cost in Selected Manufacturing Industries, 1919–1940, and several supplements to this report. All measures in these series refer to output per production worker and are based on an aggregate of production worker man-hours.

Relative to the data on the 1967 base, the source warns that the industries covered are not necessarily a representative cross section of U.S. industry, and their output per man-hour indexes should not be combined to obtain an overall measure for the entire economy or any sector. Each index represents only the change in output per man-hour for the designated industry or combination of industries.

Output per man-hour indexes are obtained by dividing an output index by an index of aggregate man-hours. Although the measures relate output to one input—labor time—they do not measure the specific contribution of labor or any other factor of production. Rather, they reflect the joint effect of a number of interrelated influences, such as changes in technology, capital investment per worker, and capacity utilization. Industry output per man-hour measures are limited to the extent that they do not account for quality change, and often do not reflect adequately changes in the degree of plant integration and specialization. In addition, there is not always strict comparability between output and labor input estimates. Finally, year-to-year changes in output per man-hour are irregular, and therefore not necessarily indicative of basic changes in long-term trends. Conversely, long-term trends are not necessarily applicable to any one year or period in the future.

W 55-59. Indexes of output per worker in transportation, 1869-1966.

Source: John W. Kendrick, Productivity Trends in the United States, National Bureau of Economic Research, Princeton University Press, 1961; and Postwar Productivity Trends in the United States, National Bureau of Economic Research, 1973. (Copyright.)

These series represent revisions and extensions of data by Harold Barger, The Transportation Industries, 1889–1946: A Study of Output, Employment and Productivity, NBER, New York, 1951. In addition to extending Barger's index, Kendrick also created an index for the trucking industry which was not separately presented in the earlier study. For details concerning underlying data and computations for these series, see the sources cited.

W 55, output per worker in all transportation industries. This index measures the change in the movement of persons and property for hire per worker employed and includes the industry groupings of the national income accounts which follow closely the U.S. Office of Management and Budget, Standard Industrial Classification Manual.

The production index used as the numerator is based upon revenue passenger-miles and unweighted ton-miles wherever possible. Where these items were not available, less refined units were substituted, as indicated for individual industries below. Output figures were not available for industries which, in 1929, amounted to some 20 percent of the total. For these industries, output was derived from employment on the assumption that the productivity of the uncovered portion was the same as in the covered portion. The aggregate production index of the industry was derived by weighting together the group indexes using changing national income weights and applying a Marshall-Edgeworth formula.

The employment index is based upon the U.S. Bureau of Economic Analysis (BEA, formerly Office of Business Economics), employment series since 1929. For 1870–1930, the series was extrapolated by estimates of the distribution of gainfully employed workers in census years, adjusted to exclude the unemployed.

Although only output per worker is presented here, the Kendrick series afford measures of output per man-hour for total transportation and for most individual industries.

W 56, output per worker in railroads. The output of this industry includes the freight and passenger activities of Class I, II, and III line-haul roads, switching and terminal companies, the Pullman Company, and the Railway Express Agency and its predecessors.

The production index is a weighted average of simple ton-miles and revenue passenger-miles with different weights for the different classes of passenger service.

W 57, output per worker for pipelines. This index covers companies primarily engaged in the pipeline transportation of crude petroleum and refined petroleum products. Transmission of natural gas is not included. It includes trunkline mileage in interstate as well as intrastate transmission. Gathering lines are excluded.

W 58, output per worker in waterways. The productivity estimates of waterways measure the output per person employed on U.S. flag vessels in coastwise, intercoastal, Great Lakes (domestic), inland, noncontiguous, and international water transportation. The exception is that Great Lakes passenger traffic is not included.

W 59, output per worker in airlines. The productivity estimates for this industry relate to scheduled airlines and unscheduled carriers and companies primarily engaged in operating fixed facilities or providing services to airlines.

W 60-61. Indexes of output per person and per man-hour in distribution, 1869-1969.

Source: See source for series W 55-59.

These indexes represent revisions and extensions of an earlier index prepared by Harold Barger, Distribution's Place in the American Economy Since 1869, Princeton University Press, 1955. The original estimates by Barger represented real margin earned per man-hour on those goods reaching the public through retail stores only. The quantities sold through retail stores were weighted by average 1869 and 1929 distributive margins to derive the production aggregate. The index is thus a "net" concept, although it is more inclusive than the usual net productivity index since packaging and other supply materials customarily considered a part of margin are not eliminated.

W 62-63. Indexes of output per employee and per man-hour, 1948-1970.

Source: U.S. Bureau of Labor Statistics, Indexes of Output Per Man-Hour: Selected Industries, 1973 Edition, Bulletin No. 1780.

W 62, index of output per employee in air transportation, 1947-70. Output is measured by passenger-miles and freight ton-miles for all of the certificated air carriers. Unit revenue weights are used to combine the different output services. The index series refers to output per employee (production and nonproduction workers); manhour data are not available. Employment data are from the Civil Aeronautics Board.

 \mathbf{W} 63, index of output per employee in petroleum pipelines, 1947-69.

The output measure is computed from the annual barrel-mile total of crude oil and products. All basic output data are published by the Interstate Commerce Commission. The index series refers to output per employee (production and nonproduction workers). Prior to 1958 man-hour data are not available. However, from 1958 forward, output per man-hour measures are available and are published in the source cited. All employment measures are computed by BLS.

W 64. Index of output per man-hour in railroad transportation, 1916-1970.

Source: U.S. Bureau of Labor Statistics, 1939, 1947–1970, Indexes of Output Per Man-Hour: Selected Industries, 1973 Edition, Bulletin No. 1780; all other years, BLS computations (1916–1935, based on Witt Bowden, "Productivity, Hours, and Compensation of Rail-

road Labor, 1933-1936," Monthly Labor Review, July 1937; 1935-1947, based on BLS, Trends in Output Per Man-Hour, 1935-1955, Selected Nonmanufacturing Industries, Report No. 105, June 1956).

The index of output per man-hour for railroad transportation refers to Class I railroads and Class I switching and terminal companies. For 1935–1970, the production measure represents aggregate passenger-miles and freight ton-miles, each category being weighted by fixed period average unit revenue weights. The man-hours index represents straight time worked and overtime paid for all employees (production and nonproduction workers) and also includes constructive allowance hours of train and engine employees. Constructive allowance time includes vacations, standby time, held-over time, court time, etc. All basic data are published by the Interstate Commerce Commission.

The indexes for 1916-1934 are based on a somewhat different index prepared by BLS. The components of the production index are combined with 1926 weights; and for 1916 through July 1921, the man-hours represent time worked rather than paid.

W 65. Index of output per man-hour in the gas and electric utilities industry, 1939-70.

Source: U.S. Bureau of Labor Statistics, Indexes of Output Per Man-Hour: Selected Industries, 1973 Edition, Bulletin No. 1780.

Output is measured in terms of energy sold (kw.-hr. of electricity and therms of gas) by privately owned gas utilities, privately owned classes A and B electric utilities, and REA borrowers. Unit revenue weights are used to combine the different output series. The index series refers to output per man-hour for all employees (both production and nonproduction workers). Employment and man-hour data are from BLS.

W 66. Indexes of output per man-hour for nonfinancial corporations, 1948-1970.

Source: U.S. Bureau of Labor Statistics, Productivity, Wages, Prices, and Employment, press release issued quarterly, table 4.

The nonfinancial corporate sector includes all corporations operating in the United States except banks, commodity and stock brokers, credit agencies, and insurance carriers. Output data used to prepare these indexes are the gross product originating in 1958 dollars. These data and compensation (wages, salaries, and supplements) were developed by the Bureau of Economic Analysis. A description of

the methods and procedures used to derive these statistics appears in the May 1967 issue of Survey of Current Business.

Man-hours refer to hours paid and are based mainly on BLS establishment data on employment and average weekly hours. Census data by legal form of organization for 2-digit SIC industries are used to adjust man-hours to the nonfinancial corporate levels.

W 67-81. Index of farm production per man-hour, 1910-1970.

Source: U.S. Department of Agriculture, Economic Research Service, Changes in Farm Production and Efficiency, Statistical Bulletin No. 233.

For a description of the index of farm production, see the text for series K 414-429. The index of farm production per man-hour is the ratio of farm production to labor input. The index numbers are developed by relating the indexes of farm output and production of individual or groups of farm products to the appropriate index of labor input expressed in man-hours (see text for series K 410-413).

Indexes of farm labor productivity reflect the net effect of all factors that affect either farm production or the labor input. Since labor is one of the more important inputs in agricultural production, changes in the ratio of production to labor provide a useful measure of changes in efficiency of farm production.

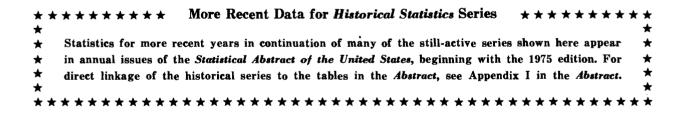
These series are published annually in the source cited and in Agricultural Statistics.

Caution should be exercised when comparing the ERS series with those of the Bureau of Labor Statistics (BLS) because of differences between "gross" and "net" farm production, and between hours "worked" and hours "required."

BLS computes indexes of production per man-hour for the total private economy, for nonagriculture, and for agriculture. Like the ERS series, the BLS series calculates indexes of farm production in which production data are weighted by constant prices. However, the ERS farm output index is a "gross" index while the production index of BLS follows the GNP approach, which is a "net" index excluding intermediate products.

The BLS series uses both BLS and census labor force data based on hours "worked" and covers men, women, and children over 14 years of age. Thus, the labor input differs from the ERS series which reports hours "required" for agricultural production in terms of manequivalent hours.

The BLS series is applicable for all agriculture only, while the ERS series permits comparisons.



PRODUCTIVITY AND TECHNOLOGICAL DEVELOPMENT

Series W 1-11. Indexes of National Productivity: 1889 to 1970

	·— .—						Real gross	private d	lom	estic p	roduct	(NBER)		-	Rea	l gross man	private pr	oduct per S)
	v	ear		·	Per	man-hou		Per uni	i+	Per	unit	Per unit o	of total fac	tor input	Tot	-01		Non-
		ear			otal nomy	Farm	Non- farm	of labo input	r	of ca	pital	Total economy	Farm	Non- farm	econo		Farm	farm
					1	2	3	4		5		6	7	8	9		10	11
						<u> </u>		19	58	= 100				<u> </u>		19	967 = 100	
1970					137.2 135.6 135.2 131.5 129.5 125.7 121.6 117.4 113.5 108.5	1 177.5 164.6 163.5 149.4 144.2 131.7 128.7 118.2 115.8	127.1 123.8 120.3 116.3 113.0 107.8	1 132 130 131 127 125 122 119 115 112 107	.9 .7 .4 .9 .4	1. 1. 1. 1. 1. 1.	07.5 12.1 13.5 12.8 15.3 14.5 11.9 09.4 08.0 03.5	126.4 126.5 126.8 124.2 123.2 121.0 117.7 114.2 111.4 106.8	126.6 128.3 118.9 118.5 112.1 111.2	123. 121. 118. 114. 111.	7 3 3 5 8	03.8 03.0 02.5 00.0 98.8 95.8 93.0 89.8 87.1 88.6	115.6 110.7 100.2 100.0 90.5 86.9 79.5 78.1 71.7	103.5 102.7 102.9 100.0 98.4 95.1 92.4 89.1 86.4 82.7
1960					104.9 103.5 100.0 97.2 94.6 94.2 89.9 87.4 83.5 82.0	106.5 101.1 100.0 89.8 84.6 81.0 80.1 76.6 68.0 62.3	104.7 103.5 100.0 97.6 95.9 91.2 88.8 85.6 85.1	104. 103. 100. 96. 94. 94. 90. 87. 83. 82.	.0 .4 .4 .3 .1	10 10 10 10 10	04.1 04.5 00.0 03.4 05.6 08.4 03.2 08.0 06.7 09.5	104.4 103.3 100.0 97.8 96.6 97.0 92.8 90.8 87.9 87.8	105.4 100.9 100.0 92.7 90.4 88.1 86.7 84.1 77.1 72.4	104. 103. 100. 98. 96. 97. 93. 91. 88.	5 0 0 9 7 2 3	31.4 30.1 77.6 75.6 73.8 73.7 70.7 59.3 66.8 55.7	64.9 61.5 60.4 54.7 51.6 49.5 49.1 46.7 41.2 37.9	80.3 79.3 76.7 74.8 73.2 73.6 68.9 66.9 66.3
1950					80.1 74.0 71.4 68.7 68.7 70.7 67.2 63.0 62.0 61.8	61.9 54.3 56.2 49.6 51.4 47.9 47.6 47.9 49.9	83.8 78.4 74.8 72.8 73.3 76.8 72.7 67.4 66.7	82. 76. 73. 71. 74. 70. 65. 65.	.5 .0 .7 .0 .1 .8	10 10 10 11 11 11 11	09.1 02.4 06.7 05.6 09.4 15.6 15.7 08.6 02.9 98.2	87.1 81.5 79.5 77.2 78.4 81.3 77.8 73.1 72.3	74.1 67.3 70.0 63.0 66.7 63.3 64.3 64.3 67.9 64.2	88. 82. 81. 79. 80. 84. 80. 74. 73.	0 3 5 4 3 5 2		37.7 33.1 34.0 29.2	
1940					58.5 56.9 54.7 53.1 53.2 50.6 49.0 44.5 45.4 47.2	42.7 44.2 43.3 40.3 37.0 39.2 36.2 36.2 39.8 39.8	66.1 63.6 61.4 59.7 60.2 57.7 55.9 50.4 53.3	64 63 61 59 59 57 56 52 53	.5 .3 .2 .8 .2 .1 .2		89.3 83.9 76.4 81.6 78.6 69.8 62.1 56.8 56.2 63.1	69.3 67.1 64.1 63.2 62.7 59.8 56.7 52.3 53.0 55.3	58.3 60.5 59.1 56.5 50.1 53.9 48.6 55.8 56.1	71. 68. 65. 64. 64. 60. 57. 51. 55.	3 7 7 6 8 9			
1930 1929					46.8 48.6	35.6 37.3	52.5 54.1	52 53	.3	. !	68.1 77.5	55.1 57.8	$\begin{smallmatrix} 50.1\\52.6\end{smallmatrix}$	55. 58.				
	<u> </u>	Re	al gross pi	ivate dor	nestic proc	luct (NB	ER)	<u>'</u>	<u>.</u>			Re	eal gross pr	ivate dom	estic pro	duct (N	BER)	
	Pe	r man-ho	our			Per unit	of total fac	tor input				Per man-he	our			Per ur	nit of total	factor input
Year	Total economy	Farm	Non- farm	of labor input	Per unit of capital input	Total economy	Farm	Non- farm	Y	Cear	Tota econo		Non- farm	Per unit of labor input	of capital input	Tota econo		Non- farm
	1	2	3	4	5	6	7	8			1	2	3	4	5	6	7	8
				1929	= 100									19 29	= 100			
1933	93.5 95.0 98.4 97.5 100.0 95.7 95.7 94.1	105.2 102.2 103.0 94.0 100.0 96.1 100.1 93.4	100.0	99.3 100.8 102.1 98.8 100.0 95.9 95.6 94.4	72.5 71.9 82.3 89.0 100.0 96.1 97.5 99.2	91.3 91.9 96.4 96.3 100.0 96.0 96.1 95.7	103.4 93.9 100.0 96.7 100.3	100.0	19 19 19 19 19	010 009 008 007 006 005	64 65 61 64 64 59 58	.6 88.1 90.5 .2 89.3 .4 94.0 .9 89.8 .4 89.4	64.7	67.7 69.6 65.6 68.0 68.5 64.2 63.5	82.4 84.3 76.2 86.2 88.1 81.7 78.0	71 73 68 72 73 68 67	.4 90. .2 93. .7 92. .5 93. .8 93. .2 93.	9 71.5 7
1925 1924 1923 1922 1921 1920 1919 1918 1917	91.6 91.7 87.8 83.0 83.8 78.3 79.0 74.1 68.6	94.6 90.0 95.9 90.4 97.0 85.8 88.4 86.2 96.2	79.7	92.5 92.9 88.2 84.9 86.8 79.6 80.4 75.0 69.5	96.4 95.3 95.9 85.7 81.1 85.4 86.8 86.1 82.6	93.6 93.6 90.2 85.1 85.1 81.2 82.1 78.0 73.0	96.6 91.2 96.5 90.2 85.7 86.4 88.4 87.3 97.3	81.7	19 19 19 18 18 18 18 18	03 02 01 99 98 97 96	58 57 59 55 54 53 52 49	.5 87.6 85.6 86.86 87.9 87.9 .7	52.8	62.9 61.9 65.2 61.7 61.0 60.9 60.0 56.3	81.7 80.7 83.2 77.0 77.9 73.3 74.3 69.2	67 66 69 65 65 64 63 59	.7 91. .7 90. .8 93. .7 92. .4 93. .1 94. .1 94. .5 86.	6
1916 1915 1914 1913 1912	67.2 64.7 69.2 66.9 65.7	89.6 101.3 92.7 85.6 97.2 83.3		73.7 70.2 67.9 71.8 69.7 69.0	87.5 77.0 76.6 86.0	77.4 72.0 70.3 75.6 73.7 72.7	89.9 102.1 95.3 87.2 99.8		18 18 18 18 18	94 93 92 91 90 89	47 47 49 46 45 43	.7 .4 .6	41.1	55.3 54.1 56.0 53.2 52.4 50.0	67.6 71.9 79.6 77.1 77.8 74.8	58 58 61 59 58 56	.5 77. .7 75. .8 78. .1 83. .6 81.	4

¹ Preliminary.

Series W 12-21. Productivity-Indexes of Output Per Man-Hour for Production Workers in Mining: 1880 to 1970

				Tot	al and select	ed mining in	ndustries (B)	LS)	***	··········			
	Total mining		Total		Сор	per	Iro	on	Lead a	nd zinc		Total mining	Total mining
Year	(NBEŘ)	Total mining	coal mining	Bituminous coal	Recover- able metal	Crude ore mined	Usable ore	Crude ore mined	Recover- able metal	Crude ore mined	Year	(NBER)	(BLS)
	12	13	14	15	16 17 18 19 20 21	21		12	13				
	1929 = 100	1947 = 100		1967 = 100 1947 = 100								1929 = 100	1947 = 100
1970 1969 1968 1967 1966 1966			102.7 105.3 105.4 100.0 97.6	103.2 105.4 105.1 100.0 97.9	112.8 106.9 103.4 100.0 105.0	126.9 116.2 109.6 100.0 103.0	108.7 109.6 105.1 100.0 102.5	118.0 117.8 110.0 100.0 96.1			1934 1933 1932 1931 1930	119.0 116.0 112.9 108.9 102.9	73.3 70.9 69.8 69.5 65.6
1965 1964 1963 1962 1961			92.4 86.7 81.6 78.7 74.1	92.7 86.6 80.8 77.9 73.6	102.5 103.9 95.4 95.0 87.5	98.5 96.9 86.0 86.5 79.4	99.7 101.4 91.8 86.6 83.9	95.1 98.6 91.1 82.4 76.7			1929 1928 1927 1926 1925	100.0 98.0 91.0 85.9 84.9	62.9 61.2 58.8 57.1 56.3
1960 1959 1958 1957 1956	247.1 238.8 224.4 215.8 210.5		67.3 63.6 62.3 56.1 55.3	66.7 62.8 61.6 55.6 54.3	84.0 81.8 86.3 76.5 70.1	77.6 75.8 74.3 67.3 61.4	79.7 72.0 78.1 80.9 81.2	66.3 58.7 56.8 58.2 57.6	123.0 117.1	104.3 107.8	1924 1923 1922 1921 1921	79.4 78.8 75.9 69.5 68.2	54.6 58.1 51.8 48.8 46.6
1955 1954 1953 1952 1951	206.3 197.0 186.5 176.8 175.5		52.8 49.3 42.2 39.2 37.3	52.6 48.8 42.0 38.8 36.7	73.0 65.0 64.6 68.8 68.6	60.5 53.7 51.8 54.8 52.2	84.7 65.1 75.7 72.9 77.4	55.3 42.9 47.3 45.2 48.0	116.6 114.6 116.0 111.1 116.4	111.1 108.1 102.8 103.0 104.4	1919 1918 1917 1916 1915	65.9 66.8 65.2 64.6 63.6	44.6 44.5 43.7 43.3 43.7
1950	164.0 151.9 149.9 144.2 141.0	105.7 97.7 99.8 100.0 96.5	37,1 34,4 32,8 32,8 32,5	36.9 33.7 32.0 32.1 31.5	68.4 58.8 57.7 58.9 52.6	52.5 43.9 42.8 44.5 39.3	71.2 66.7 68.7 68.7 67.9	43.7 39.5 41.4 40.8 39.4	127.0 114.7 108.3 100.0 92.0	108.2 94.1 88.8 100.0 120.1	1902 1890 1880	47.9 37.8	30.1 23.0 17.8
1945	144.1 136.2 135.3 133.2 138.3	95.5 94.2 91.4 93.6 93.5	31.1 30.3 29.0 30.3 30.8	30.3 29.3 28.1 29.4 29.7	60.2 59.0 53.5 52.6 51.5	44.0 40.4 35.0 32.6 30.6	71.0 63.8 61.8 68.6 74.2	41.8 37.0 36.1 40.9 42.9	103.4 102.3 98.5 119.0 129.1	129.5 124.5 109.1 117.7 124.0			
1940	145.6 144.9 138.8 130.9 138.6	91.9 90.0 81.1 79.2 77.9	30.4 29.2 28.2 26.9 26.2	29.4 28.2 27.2 25.8 25.2	53.1 51.2 47.6 48.2 52.1	30.4 28.2 23.4 25.4 23.7	73.8 62.8 44.1 66.4 62.0	41.6 34.9 24.6 37.3 34.9	127.6 132.3 129.4 120.2 123.5	114.4 114.7 107.0 110.6 109.0			
1935	127.6	76.4	24.4	24.1	50.1	18.4	55.0	31.9	131.0	101.9			

Series W 22-29. Indexes of Output Per Man-Hour and Output Per Employed Person: 1947 to 1970
[1967 = 100. Man-hour estimates based primarily on establishment data]

	Output 1	per man-hour i	n the private	economy	Output per employed person in the private economy				
Year	Total private	Farm Nonfarm M	Manufac- turing	Total private	Farm	Nonfarm	Manufac- turing		
	22	23	24	25	26	27	28	29	
1970	104.4	119.8	108.4	108.0	102.2	116.9	101.4	106.4	
1969	103.3	110.2	102.7	107.4	102.5	108.5	102.1	107.4	
1968	102.9	100.2	102.9	104.7	102.4	99.0	102.5	104.9	
1968	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
1967	98.0	90.5	98.4	99.9	99.3	91.3	99.7	101.3	
1965	94.2	86.9	95.1	98.4	96.2	88.2	96.9	99.6	
1964	91.1	79.5	92.4	94.5	92.8	79.7	94.0	94.8	
1968	87.7	78.1	89.1	90.1	89.5	78.1	90.8	90.1	
1962	84.7	71.7	86.4	86.6	86.6	72.3	88.1	86.4	
1961	80.9	70.0	82.7	81.9	82.5	69.7	84.1	81.0	
1960	78.2	64.9	80.3	79.9	80.4	65.6	82.2	79.0	
	76.9	61.5	79.3	78.6	79.5	61.7	81.7	78.6	
	74.3	60.4	76.7	74.4	76.3	60.6	78.4	73.0	
	72.0	54.7	74.8	74.4	74.8	55.4	77.2	73.8	
	70.0	51.6	73.2	72.9	73.6	53.6	76.4	73.2	
1955	69.9	49.5	73.6	73.7	74.1	52.5	77.2	74.4	
1954	66.9	49.1	70.5	69.5	70.7	52.8	73.5	68.8	
1953	65.3	46.7	68.9	68.4	69.7	51.1	72.5	68.8	
1952	62.7	41.2	66.9	66.2	67.3	44.6	70.9	66.9	
1952	61.5	37.9	66.3	65.9	66.2	41.4	70.3	66.5	
1950	59.7	37.7	65.0	64.4	64.4	40.8	68.9	64.9	
1949	55.3	33.1	61.1	60.1	59.5	86.4	64.4	58.9	
1948	53.6	34.0	58.8	58.0	58.5	38.0	62.7	57.9	
1947	51.3	29.2	57.1	54.9	56.5	32.9	61.4	55.2	

PRODUCTIVITY AND TECHNOLOGICAL DEVELOPMENT

Series **W 30–54.** Indexes of Output Per Man-Hour for Production Workers, Selected Industries: 1909 to 1970

Year	Total manufac- turing	Canning and preserving	Flour and grain mill products	Bakery products	Sugar	Candy and other confec- tionery products	Malt liquors	Tobacco products	Cigarettes, chewing and smoking tobacco, and snuff	Cigars	Hosiery	Paper, paper- board, and pulp mills	Petroleum refining	Tires and inner tubes	Footwea
	30	31	32	32a	33	34	35	36	37	38	39	40	41	42	43
		<u>'</u>	<u> </u>	· · · · · · · · · · · · · · · · · · ·		<u> </u>		1967 = 100	0						
970 969 968 967 966		105.9 102.8 107.2 100.0 98.5	111.2 105.8 106.1 100.0 100.8	105.5 103.1 101.5 100.0 95.6	111.1 101.9 103.7 100.0 99.9	103.0 101.1 103.0 100.0 97.9	120.3 113.3 105.7 100.0 93.9	103.4 102.0 103.2 100.0 99.2	98.8 98.9 103.0 100.0 98.6	114.7 109.3 103.8 100.0 100.8	126.2 106.4 93.1 100.0 88.4	115.8 110.2 106.2 100.0 101.2	108.6 110.6 103.7 100.0 97.1	105.4 100.3 105.0 100.0 98.3	105.8 97.4 108.6 100.0
965 964 963 962 961		100.8 96.0 91.6 91.1 91.0	95.3 90.5 84.5 75.2 73.9	95.1 91.8 89.3 84.1 81.0	94.4 90.8 85.9 84.4 77.3	93.7 90.8 89.1 82.5 80.9	88.7 83.9 77.9 71.1 68.2	99.5 94.8 93.5 89.1 85.9	98.1 93.5 95.0 91.5 90.4	102.8 97.9 90.5 84.6 78.9	80.1 80.2 75.2 66.9 64.5	96.4 91.3 86.9 82.0 79.0	89.9 83.0 78.5 73.5 67.1	96.7 94.4 86.7 79.8 74.4	101.1 101.1 102.1 99.0 98.1
			72.2 68.3 71.8 69.2 63.6	79.8 79.5 79.0 77.3 78.1	71.9 68.2 64.9 61.8 62.8	81.5 77.8 75.7 74.3 68.6	64.9 62.9 60.8 55.4 53.3	82.4 77.0 72.8 67.1 64.1	88.0 84.2 81.3 79.6 77.3	73.7 66.7 61.2 52.3 48.9	58.6 57.2 57.9 48.7 46.3	73.9 70.9 66.7 64.9 64.3	62.1 59.1 52.5 49.9 49.1	70.9 68.2 62.9 59.6 56.3	98.0 98.0 94.4 92.0 90.0
			60.6 57.7 50.4 47.5 48.2	71.0 70.0 67.9 65.4 62.7	60.0 58.2 52.0 50.0 46.0	66.8 63.1 62.5 60.8 60.6	51.9 50.5 48.1 48.1 46.5	60.1 60.3 60.4 61.8 60.3	75.3 76.3 79.7 83.6 83.1	44.2 43.8 42.0 42.0 40.4	45.4 45.9 44.2 45.9 42.4	61.0 57.4 54.9 54.9 55.6	47.1 43.1 40.9 39.9 38.4	54.8 53.2 51.9 49.3 50.9	88.3 84.3 (NA) 84.0 82.3
			48.7 47.2 (NA) 49.8 44.5	62.0 61.3 (NA) 59.6 (NA)	48.8 45.1 (NA) 41.0 (NA)	54.5 53.2 (NA) 53.3 47.6	46.4 45.3 (NA) 38.6 33.0	58.1 53.6 52.2 48.2 38.6	78.6 75.2 73.4 68.5 47.7	39.4 35.2 34.3 31.4 28.7	39.7 38.0 (NA) 35.8 (NA)	53.0 47.4 (NA) 44.4 48.5	36.6 31.7 (NA) 28.6 29.9	52.6 47.9 (NA) 43.1 (NA)	80.: 74. (NA) 69. (NA)
		<u> </u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>	1947 = 100	0	<u> </u>	<u> </u>		<u> </u>		<u> </u>
949 948	107.2	118.3 111.5 103.2						119.3 113.2 106.7	115.6 111.8 107.9	122.5 114.3 105.6	115.4 110.3	118.9 106.7			
949 948 947 946 946 946	107.2	111.5 103.2 100.0 106.0						113.2 106.7 100.0 98.1	111.8 107.9 100.0 93.5	114.3 105.6 100.0 102.4	110.3 100.0 108.5	106.7 100.0 98.0			100. 109.
949 948 947 946	107.2	111.5 103.2 100.0 106.0 102.5 100.5 92.3 93.2 97.8						113.2 106.7 100.0 98.1 96.5 89.3 84.9 85.3 84.1	111.8 107.9 100.0	114.3 105.6 100.0	110.8	106.7 100.0 98.0 95.6 95.0 98.1 109.1 115.9			100.0 109. 104.4 99. 101.0 100.
949 948 947 946 944 944 942 941 940 939 938 938	93.2 85.1 83.6	111.5 108.2 100.0 106.0 102.5 100.5 92.3 93.2 97.8 99.2 90.0 85.8 79.8 74.5						113.2 106.7 100.0 98.1 96.5 89.3 84.9 85.3 84.1 80.8 80.0 76.1 73.1 75.0	111.8 107.9 100.0 93.5 86.3 81.8 80.0 80.5	114.3 105.6 100.0 102.4 106.9 96.6 89.3 89.8	110.8 100.0 108.5 114.4 109.7 106.1 99.6	106.7 100.0 98.0 95.6 95.0 98.1 109.1 115.9			100.0 109.1 104.4 99.1 101.6 100.4
949	93.2 85.1 83.6 84.5 84.8 76.0 72.2	111.5 108.2 100.0 106.0 102.5 100.5 92.3 93.2 97.8 99.2 90.0 85.8 79.8 74.5						113.2 106.7 100.0 98.1 96.5 89.3 84.9 85.3 84.1 80.8 80.0 76.1 73.1 75.0	111.8 107.9 100.0 98.5 86.3 81.8 80.0 80.5 78.7 71.5 69.6 67.8 66.6	114.3 105.6 100.0 102.4 106.9 96.6 89.3 89.8 89.8 90.5 91.3 84.5 79.5	110.3 100.0 108.5 114.4 109.7 106.1 99.6 95.6 94.9 87.0	106.7 100.0 98.0 95.6 95.0 98.1 109.1 115.9			100.0 109 104 99 101 100 101 97 93 92 89 97 91 84 82
949 948 947 946 947 946 948 947 948 948 942 941 940 939 938 937 936 934 933 932 931 930 929 928 927	93.2 85.1 83.6 84.5 84.3 79.8 76.0 72.2 77.5 74.3 72.5 69.7	111.5 108.2 100.0 106.0 102.5 100.5 92.3 93.2 97.8 99.2 90.0 85.8 79.8 74.5						113.2 106.7 100.0 98.1 96.5 89.3 84.9 85.3 84.1 80.8 80.0 76.1 73.1 75.0	111.8 107.9 100.0 93.5 86.3 81.8 80.0 80.5 78.7 71.5 69.6 67.8 66.6 71.3 62.8 56.7 67.1 67.1 60.7	114.3 105.6 100.0 102.4 106.9 96.6 89.3 89.8 89.3 90.5 91.3 84.5 79.5 78.4 75.8 63.6 57.1 52.9	110.3 100.0 108.5 114.4 109.7 106.1 99.6 95.6 94.9 87.0	106.7 100.0 98.0 95.6 95.0 98.1 109.1 115.9 115.0 109.2 101.1 99.9 95.5 90.0 94.9 92.7			100.0 109.1 104.4 99.1 101.6 100.2 101.3 97.7 93.1 92.1 89.3 97.3 91.4 84.4 82.7 74.6 68.7
945	93.2 85.1 83.6 84.5 84.3 79.8 72.5 69.7 66.2 64.5 88.9 55.2	111.5 108.5 100.0 106.0 100.5 92.3 93.2 97.8 99.2 99.8 74.5 90.4 84.3 88.1 76.5 77.5 68.9 61.6 65.2 60.7						113.2 106.7 100.0 98.1 96.5 89.8 84.9 85.3 84.1 80.8 80.0 76.1 73.1 75.0 69.4 60.3 61.8 56.1 58.5 52.7 52.5 44.2	111.8 107.9 100.0 93.5 86.3 81.8 80.0 80.5 78.7 71.5 69.6 67.8 56.7 67.1 62.8 56.7 59.0	114.3 105.6 100.0 102.4 106.9 96.6 89.3 89.8 89.3 90.5 91.3 84.5 79.5 78.4 75.8 63.6 57.1 52.9 58.1	110.3 100.0 108.5 114.4 109.7 106.1 99.6 95.6 94.9 87.0	106.7 100.0 98.0 95.6 95.0 98.1 109.1 115.0 109.2 103.2 101.1 99.9 95.5 90.0 94.9 92.7 93.1 81.3 80.8 80.2 76.1			100.0 109.1 104.4 99.4 101.6 100.4 101.8 97.7 93.8 92.8 99.9 97.8

NA Not available.

Series **W 30–54.** Indexes of Output Per Man-Hour for Production Workers, Selected Industries: 1909 to 1970—Con.

Year	Glass containers	Cement, hydraulic	Concrete products	Steel	Primary copper, lead, and zinc	Primary aluminum	m cans Year	Steel	Chemicals	Lumber and timber	Motor vehicles	News- papers and periodicals	Blast furnaces	
	44	45 46		47	48	49	49a		47	50	51	52	53	54
			19	67 = 100					1947 = 100		1	1939 = 100		
1970 1969 1968 1967 1966	105.0 109.1 106.5 100.0 97.4	109.3 111.9 110.2 100.0 99.4	109.0 110.3 109.7 100.0 100.2	102.8 104.8 104.6 100.0 101.3	111.4 113.8 112.8 100.0 111.6	109.8 104.8 95.6 100.0 100.7	106.7 107.7 104.6 100.0 96.7	1950 1949 1948 1947 1946	111.9 102.8 100.4 100.0					
1965 1964 1963 1962 1961	97.7 91.9 89.3 86.5 83.1	94.4 91.4 86.8 80.9 76.0	93.5 91.0 85.9 75.8 74.5	98.7 94.8 92.1 89.6 85.4	113.1 110.2 106.4 104.8 99.0	97.0 94.4 93.2 90.4 87.5	95.6 92.2 89.9 90.3 93.8	1945 1944 1943 1942 1941	87.2		96.0 95.1 98.1 105.5		88.7 87.5 101.4 105.7 106.2	
1960 1959 1958 1957 1956	81.8 83.8 79.2 81.4 81.5	68.2 68.2 64.2 61.2 62.5	72.7 76.0 77.4 77.8 78.6	82.3 87.7 78.4 81.6 82.3	94.4 86.7 91.4 90.7 89.1	83.0 78.6 68.2 59.7 58.8	88.8 86.7 84.3 80.0 81.0	1940 1939 1938 1937 1936	82.3 79.3 67.2 65.9 64.7	95.9 100.0 89.6 91.3 88.5	111.7 100.0 87.6 82.4 84.9	101.3 100.0 99.7 100.4 102.1	103.8 100.0 92.8 93.0 93.7	113.9 100.0 68.2 98.7 101.2
1955 1954 1953 1952 1951	81.2 78.5 79.1 74.0 74.6	59.5 56.7 50.7 45.9 45.3	71.9 68.4 64.0 62.1 58.3	82.4 74.1 76.0 75.0 72.8	88.6 80.7 78.6 79.5 78.0	56.3 50.5 44.6 45.6 46.0	77.9 73.7 71.5 69.2 69.4	1935 1934 1933 1932 1931	62.9 58.6 59.5 55.4 53.0	84.1 76.0 86.7 85.7 81.3	90.8 89.5 86.1 79.6 90.6	99.5 85.2 83.8 69.4 79.6	92.1 85.4 75.3 74.4 75.4	86.4 68.7 67.8 51.2 83.3
1950 1949 1948 1947 1939	77.4 69.9 (NA) 77.4 59.7	43.6 43.3 (NA) 37.8 39.8	55.5 48.0 (NA) 39.6 (NA)	72.5 66.8 65.1 64.7 (NA)	75.8 69.3 (NA) 63.4 61.6	47.5 43.0 (NA) 42.4 (NA)	70.2 63.8 (NA) 60.1 (NA)	1930 1929 1928 1927 1926	54.7 57.8 57.5 50.9 50.3	72.6 72.1 65.9 64.2 61.1	78.5 82.4 78.2 79.4 76.4	89.1 84.2 70.6 66.8 66.1	74.3 77.3 78.6 75.7 77.5	98.8 105.5 92.5 80.4 82.0
								1925 1924 1923 1922 1921	48.9 43.1 42.4 43.8 34.3	51.2 45.9 46.9 43.5 43.5	76.5 72.7 71.4 67.5 84.4	62.5 59.6 58.8 51.5 47.8	69.0 65.0 63.2 59.4 51.8	77.5 62.0 67.7 64.7 55.1
								1920 1919	37.7 29.5	49.6 29.9	75.6 79.0	39.1 35.9	51.9 43.8	59.7 43.5

NA Not available.

Series W 55-66. Indexes of Output Per Worker and Output Per Man-Hour in Transportation, Distribution, Gas and Electric Utilities, and Nonfinancial Corporations: 1869 to 1970

	Tı	ansportation	(NBER), ou	tput per worl	ær	Distributio	on (NBER)		Index	es of output	(BLS)	
Year	Transpor- tation	Railroads	Pipelines, etc.	Waterways	Airlines	Output per person	Output per man-hour	Air transportation, output per employee	Petroleum pipelines, output per employee	Railroad transpor- tation, output per man-hour	Gas and electric utilities, output per man-hour	Nonfinancial corpora- tions, output per man-hour
	55	56	57	58	59	60	61	62	63	64	65	66
				1958 = 100				1967 = 100				
1970 1969 1968 1967			,	107.5	188.2	129.8	1 142.1 141.0 135.5 133.3	109.7 107.2 104.3 100.0 93.9	120.7 113.5 105.4 100.0 88.1	110.1 109.2 104.3 100.0 97.5	117.3 113.8 107.0 100.0 95.7	106.7 105.5 104.3 100.0 99.0
1965 1964 1963 1962 1961	132.5 125.0	158.9 147.0 136.9 127.9 119.2	193.1 159.7 146.0 132.1 124.8	111.5 112.1 112.1 110.3 102.9	170.6 150.3 136.3 124.0 110.8	126.1 123.1 119.1 114.7 108.4	127.7 123.8 118.8 114.6 108.3	83.7 75.0 68.2 61.6 55.4	78.6 66.2 60.3 54.6 51.9	90.8 82.1 77.1 72.6 68.2	89.2 85.5 79.5 74.9 69.4	96.5 93.0 88.8 85.7 81.1
1960	106.0 100.0	111.6 107.4 100.0 96.1 95.1	116.7 111.8 100.0 98.5 96.7	103.9 100.1 100.0 105.5 109.1	106.4 109.6 100.0 98.4 96.6	105.8 106.0 100.0 99.0 98.1	105.3 105.4 100.0 99.3 97.7	52.3 51.9 48.2 46.6 45.0	48.7 45.7 39.7 39.0 39.6	63.6 61.2 57.6 54.8 54.0	65.5 61.5 56.4 53.7 51.1	79.2 78.1 74.8 73.8 72.0
1955 1954 1953 1952 1951	87.0 84.5 83.9	89.5 79.2 77.2 77.2 78.5	86.6 77.8 71.5 64.2 62.9	107.6 102.3 96.6 97.2 102.1	96.3 87.5 78.8 72.5 71.0	97.9 91.8 89.9 87.7 86.8	96.9 91.0 89.3 86.2 84.8	43.9 38.9 35.2 32.4 31.1	34.8 31.2 28.4 25.9 25.0	51.6 46.6 44.8 44.6 44.4	47.2 42.4 39.6 37.0 34.7	71.5 67.8 65.6 63.6 63.3
1950	78.3 77.9	75.8 71.9 77.7	54.4 44.1 43.7	96.9 89.4 88.8	61.5 51.8 45.2	88.9 82.3 80.2	86.8 80.8 79.1	27.1 23.4 20.5 18.2	21.7 18.0 17.5 16.5	42.0 36.7 37.6 38.3 27.9	31.3 28.1 27.5 26.2 15.8	61.5 57.2 56.1

¹ Preliminary.

PRODUCTIVITY AND TECHNOLOGICAL DEVELOPMENT

Series W 55–66. Indexes of Output Per Worker and Output Per Man-Hour in Transportation, Distribution, Gas and Electric Utilities, and Nonfinancial Corporations: 1869 to 1970—Con.

		Transportatio	n (NBER), outp	ut per worker		Distributio	Railroad transportation,		
Year	Transpor- tation	Railroads	Pipelines, etc.	Waterways	Airlines	Output per person	Output per man-hour	output per man-hour (BLS)	
	55	56	57	58	59	60	61	64	
		1929	= 100	<u></u>	1947 = 100	1929 = 100		1947 = 100	
958952951	255.4 253.3 258.8	178.6 179.3 181.7	379.5 345.0 384.5	206.8 206.7 222.6	172.5 160.7 157.9	124.5	157.3	118.0 117.3 116.7	
950949	247.1 224.3	172.8 160.6	290.7 239.6	207.0 178.4	142.9 123.2			110.5 96.9	
948947946946	231.6 223.8 207.3	174.0 176.1 169.0	288.5 221.2 211.5	170.7 178.1	108.4 100.0 88.2	117.1	144.2	98.5 100.0 95.8	
945 944 943	225.7 242.2 250.7	195.5 211.2 215.8	233.2 241.6 216.5		95.3 75.3 57.2			103.6 110.1 112.1	
942941940	231.3 187.4 163.7	191.0 151.6 132.0	186.4 176.8 159.6	115.7	60.2 69.6 66.4			103.7 85.7 78.2	
939938937	154.2 141.0 140.5	123.8 114.6 119.3	157.1 148.2 141.1	102.0 97.5 105.9	60.2 53.3 54.6	99.8	113.5	74.4 70.4 71.0	
936 935 934	132.2 117.4 111.5	116.7 103.8 98.2		99.2 85.8 84.6	57.3 51.7 36.4			70.0 66.2 63.2	
933932931	104.4 94.5 96.8	93.5 83.7 90.8		85.5 77.2 85.6	33.3 26.5 27.3			62.7 55.7 57.1	
930929928	97.7 100.0 96.1	95.3 100.0 98.4	100.0	93.9 100.0	37.1 22.6	100.0	100.0	56.1 56.1 55.1	
927 926 925	91.4 90.6 86.2	94.3 95.6 92.6						53.1 53.2 51.5	
924	81.1 80.3 76.0 69.3	87.6 88.1 84.2 76.7						48.3 47.1 46.0 44.3	
920 919 918	76.2 73.6 80.2 81.8	83.9 81.0 88.8 91.4	40.5	73.8		92.6	89.6	43.8 42.9 40.4	
917 916	78.2	87.3 80.6		69.7				40.5 39.6	
915	65.3 65.5 64.3 61.7	71.2 71.2 70.2 67.2							
910 909 908	62.5 62.3 59.3	68.2 68.2 64.5				95.3	85.8		
907 906	59.6 60.4	64.4 65.6		62.9					
905904903	59.1 56.5 56.0	64.1 61.2 60.5							
902901	56.6 56.4	61.4 61.7							
900 899 889 879	56.5 55.8 42.3	62.2 61.5 47.5		46.7 30.8 18.9		90.5 82.1 93.0	73.7 66.0 75.0		

Series W 67-81. Index of Farm Production Per Man-Hour: 1910 to 1970

[1967 = 100. Index of farm output (production) divided by index of man-hours used]

Year	All farm work	Livestock and livestock products	Meat animals	Milk cows	Poultry	All crops	Feed grains	Hay and forage	Food grains	Vege- tables	Fruits and nuts	Sugar crops	Cotton	Tobacco	Oil crops
	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
1970	113	119	116	123	120	110	101	148	117	106	107	121	125	104	115
1969	112	112	110	115	112	112	109	145	113	106	109	115	117	98	114
1968	106	105	105	106	105	106	102	102	108	101	98	118	130	98	110
1967	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1966	94	98	95	98	95	95	98	99	102	99	99	92	101	96	101
1965	22	87	90	87	87	92	92	96	101	99	95	88	101	95	100
1964		88	89	81	82	85	78	93	97	96	91	90	87	99	89
1963		77	83	74	73	82	77	92	90	97	87	97	78	97	94
1962		71	78	70	66	77	70	89	89	92	87	82	71	93	92
1961		67	74	65	61	78	64	89	86	93	78	82	61	88	90
1960	67	62	70	60	55	71	58	84	93	89	74	79	56	87	84
1959	62	59	68	57	50	66	52	81	77	88	74	75	52	81	82
1958	59	55	65	53	45	65	47	77	85	82	73	67	48	81	81
1957	53	51	63	49	39	56	40	71	62	80	69	67	44	77	69
1956	50	48	62	46	37	52	35	65	54	76	75	59	41	80	67
1955	47	46	62	43	32	48	31	63	50	70	75	53	39	75	60
1954	43	48	59	40	30	45	29	58	46	67	74	51	35	71	54
1953	41	41	58	39	27	43	27	63	48	64	70	49	38	67	51
1952	39	40	56	37	24	42	26	60	46	63	67	48	30	67	50
1951	36	39	56	36	23	88	23	58	88	59	65	39	28	67	46
1950	35	87	55	35	21	39	28	55	40	57	64	38	25	66	47
	21	27	50	25	15	22	10	30	21	40	51	27	17	56	18
	17	26	48	25	14	17	8	23	17	34	38	22	12	50	13
	15	24	45	22	13	17	8	24	11	32	38	18	12	52	10
	14	24	44	21	13	15	7	24	10	30	27	18	12	54	9

Copyrights, Patents, and Trademarks (Series W 82-108)

W 82-95. Copyright registrations, by type, 1870-1970.

Source: Series W 82-91, W 93-95, U.S. Library of Congress, Annual Report of the Librarian of Congress and Annual Report of the Register of Copyrights, various issues. Series W 92, U.S. Patent Office, 1874-1896, Annual Report of the Commissioner of Patents; 1897-1940, unpublished data; 1941-1970, U.S. Library of Congress, Annual Report of the Librarian of Congress, various issues.

Additional detail for some series is shown in the source volumes. Figures are on a calendar-year basis for 1870-1896, and on a fiscal-year basis thereafter. Prior to 1870, copyright claims were entered at Federal District Courts. For additional information on this period, see Martin A. Roberts, Records in the Copyright Office Deposited by the United States District Courts Covering the Period 1790-1870, Washington, D.C., 1939.

The term "copyright" may be defined as the right to prevent copying. It has come to mean that body of exclusive rights granted by Federal statute to authors for the protection of their writings. It includes the exclusive right to print, reprint, publish, copy, and vend the copyrighted work; to make other versions of the work; and, with certain limitations, to make recordings of the work and to perform the work in public. The Copyright Office is primarily an office of record, and registers claims if the provisions of the law and the regulations have been complied with. A certificate is issued to the applicant upon completion of each registration.

The first law, 1790, applied only to maps, charts, and books. Subsequent amendments provided for prints (1802); musical compositions (1831); dramatic compositions with the right of public performance (1856); photographs (1865); paintings, drawings, sculpture, and models or designs for works of the fine arts (1870); performance rights in music (1897); motion pictures and photoplays (1912); and performance rights in nondramatic literary works (1952). The original term of copyright was 14 years, with the privilege of renewal for 14 years. In 1831, the first term was increased to 28 years, and in 1909, the renewal term was also increased to 28 years. Before 1891, only citizens or residents of the United States could obtain copyrights. The Act of 1891 extended the privilege to citizens of countries with which the United States had reciprocal copyright agreements. Claims in works by citizens of States adhering to international copyright conventions to which the United States is a party (Mexico City, 1902; Buenos Aires, 1910; and Universal Copyright Convention, 1952) may also be registered, as well as works first published in States adhering to the Universal Copyright Convention.

Detailed information on the various classes of works may be obtained by writing to the Register of Copyrights, Library of Congress, Washington, D.C. 20540.

W 82, total registrations. For 1870-1940, the figures shown in this series exclude commercial prints and labels; see text for series W 92, below.

W 83-85, books, pamphlets, and periodicals. Serial publications issued at regular intervals of less than a year are considered periodicals; otherwise, they are considered books.

W 87, dramatic or dramatico-musical compositions. For 1909 and earlier years, this series pertains only to dramatic compositions.

W 92, commercial prints and labels. Registration of commercial prints and labels in the Patent Office was first authorized by the Act of June 18, 1874. Jurisdiction was transferred to the Register of Copyrights by Public Law 244, 53 Stat. 1142, effective June 30, 1940.

W 94, miscellaneous. Includes lectures, sermons, addresses; reproductions of works of art; drawings or plastic works of a scientific or technical character; and photographs.

W 96-106. General note.

A patent is a grant by the Government to the inventor, his heirs or assigns, of the right to exclude others from making, using, or selling the invention patented. Patents can be obtained for any new and useful machine, manufacture, composition of matter or process, or any new and useful improvement thereof, subject to the requirements and conditions of the law, United States Code, Title 35, Patents. An invention is "useful" if it has lawful purpose and is operative. Since 1946, inventions useful solely in the utilization of fissionable material or atomic energy for atomic weapons have been unpatentable. If the subject matter patented can be used without infringement of the prior rights of others or violation of any applicable statute, the patent, in effect, gives its owner the exclusive right to make, use, or sell the subject of the patent. The subject matter covered by a patent must be sufficiently new as to be not obvious to one skilled in the art to which it relates.

Patents on inventions have been issued by the Federal Government since April 10, 1790. Both the fees charged and the term of patents have been changed occasionally by law. A total fee of \$30 was charged on application in 1793; now (1973) a base fee of \$65 is charged. Whereas no charge was made prior to 1861 when a patent was granted, modern-day applicants pay an additional minimum fee of \$110 at that time. Other smaller fees incidental to the processing of applications may also be charged by the Patent Office.

For 1790-1861, the term of a patent was 14 years. From 1836 until the patents granted in 1861 expired, patents could be extended for an additional 7 years upon application by the patentee and approval of a special board or the Commissioner. About 5 percent of the patents issued during the latter part of this period were extended in this manner. Since 1861, the term of patents on inventions has been fixed at 17 years with extensions possible only by special act of Congress. The number of such extensions has been negligible.

From February 21, 1793, to July 4, 1836, patents were granted on demand of the applicant, upon compliance with the formal requirements, without examination as to novelty and other requirements. Consequently, statistics of patents on inventions issued during this period are more comparable to subsequent statistics of applications for patents on inventions (series W 96) than to subsequent statistics of patents on inventions. Different sources for patent statistics during this period show minor discrepancies.

Since July 4, 1836, the Patent Office has examined applications for novelty and for compliance with the requirements of the statute and not all applications which are filed become patents. See Department of Commerce, The Story of the United States Patent Office, for a brief account of the development of the patent laws; and General Information Concerning Patents (revised periodically), for an outline of the patent law.

Other kinds of patents issued are design patents, botanical plant patents, and reissued patents. Reissued patents are patents which are issued to replace another patent to correct some error, and hence have no significance in most uses of patent statistics. They are not shown in this compilation, although reissue applications are included in series W 96 for some years for which they could not be separated. Reissued patents were numbered separately from 1838; the number of the first such patent issued in 1972 is 27,264.

Statistics on various phases of patents on invention are available in various sources. Analyses of aggregate patent statistics appear in Barkev S. Sanders, "The Course of Invention," Journal of the Patent Office Society, October 1936; Joseph Rossman and Barkev Sanders, "The Patent Utilization Study," The Patent, Trademark, and Copyright Journal, June 1957; Alfred B. Stafford, Trends of Inven-

tion in Material Culture, Ph.D. thesis, University of Chicago, 1950; Alfred B. Stafford, "Is the Rate of Invention Declining?" American Journal of Sociology, May 1952; Jacob Schmookler, Invention and Economic Growth, Harvard University Press, 1966. Statistics of patents issued by industry or by field of technology appear in Simon Kuznets, Secular Movements in Production and Prices, Boston, 1930; R. K. Merton, "Fluctuations in the Rate of Industrial Invention," Quarterly Journal of Economics, May 1935; Trends of Invention in Material Culture, cited above; and Invention and Economic Growth, cited above. The basic data used in this work, two volumes bound in one, are on file in the Library of the U.S. Patent Office under the title "Statistics of Patents Classified by Industry, United States, 1837–1957".

Statistics of patents issued by State and country of residence of the inventor appear in the Patent Office, Annual Report of the Commissioner of Patents, and in the Bureau of the Census, Statistical Abstract of the United States. Since 1966, the annual reports have also included applications filed by country of residence, beginning with calendar year 1961.

International patent statistics are given in P. J. Federico, "Historical Patent Statistics, 1791–1961," Journal of the Patent Office Society, vol. 46, Feb. 1964, pages 89–171, which also contains a description of the sources of the statistics for various countries, including the United States. The English Language International Periodical Industrial Property (World Intellectual Property Organization, Geneva), published since 1960, has an annual statistical supplement in each December issue, which gives data for a large number of countries including, for many, applications filed by and patents granted to residents of other countries, and additional statistics for the United States.

W 96-98. Patent applications filed on inventions, designs, and botanical plants, 1836-1970.

Source: U.S. Patent Office, 1836-1839, The Story of the United States Patent Office, 1790-1956; 1840-1925, Annual Report of the Commissioner of Patents; 1926-1970, unpublished data.

Series W 96 involves a slight element of double counting prior to 1940. Before a change in the law on August 5, 1939, made it impossible, an applicant could permit his initial application to lapse and then file a new application covering the same invention. Possibly 2 to 4 percent of the applications filed before 1940 were of this character. For years prior to 1880, series W 96 includes design applications, and for years prior to 1877, also includes reissue applications.

W 99. Total patents issued on inventions, 1790-1970.

Source: 1790-1925, U.S. Patent Office, Annual Report of the Commissioner of Patents; 1926-1970, unpublished data.

Patents for inventions are numbered serially, the number of the first patent issued in 1972 being 3,631,539. This numbering system, although instituted later, began with the first patent issued after the Patent Act of July 4, 1836. Most sources of patent statistics give, as the annual number of patents issued, the numbers derived by subtracting the serial numbers of the first patent in each year. However, some serial numbers were not used and are blank; that is, there may not be any patent corresponding to a particular number. This may arise when an application scheduled to be patented, with the patent number assigned, is withdrawn for some reason at a time when it is too late to assign that number to some other case. The blank numbers averaged 26 per year for 1939-1955, but only 7.5 per year for 1961-1970. Beginning with the 1970 edition, the Annual Patent Index includes a listing of the blank numbers, for the period 1920-1970. Through 1971 there were 2,998 blank numbers. In the present series the number of blank numbers has been deducted in each year for which it could be ascertained. Therefore, the statistics of patents on inventions issued since 1836 may run a fraction of a percent below those appearing in some issues of the Annual Report of the Commissioner of Patents and in Historical Statistics of the United

States, 1789-1945. Reissued patents are not shown in this compila-

Patents granted in a given year cannot be compared with applications filed in the same year since there is a variable lag between the time of applying and the time of issuing a patent. During the last 10 years this lag varied between 2 years and 6 months and 3 years and 3 months as the average time for issuing patents. In addition, variations in the number of patents issued in a given year may be due to administrative problems such as the loss or addition of examining personnel, or rearrangement of printing schedules.

W 100-103. Patents on inventions issued to individuals, to U.S. and foreign corporations, and to the U.S. Government, 1901-1970.

Source: 1901-1935, U.S. Patent Office, unpublished data; 1936-1955, P. J. Federico, Distribution of Patents Issued to Corporations, 1939-1955, Washington, D.C., 1957, Study No. 3, table 6 (a report prepared for the Senate Subcommittee on Patents, Trademarks, and Copyrights); 1956-1970, U.S. Patent Office, unpublished data.

Statistics on patents issued to U.S. and foreign corporations are actual counts for 1931-1937, 1955, and 1961-1970; for the other years they are estimates based on samples. Statistics of patents issued to the U.S. Government are based on actual count. This figure does not include patents issued to the Alien Property Custodian during and after World War II. Patents assigned after grant are not included. The patents issued to individuals are obtained by subtraction from the total.

W 104. Patents issued on designs, 1842-1970.

Source: U.S. Patent Office, Annual Report of the Commissioner of Patents, and unpublished data.

Designs became patentable in 1842 and relate to the appearance, not to the structure or use, of articles of manufacture. The term for design patents was initially set at 7 years. Since 1861, the term has been $3\frac{1}{2}$, 7, or 14 years, at the discretion of the applicant. Fees payable vary with the term. Design patents are numbered separately. The number of the first design patent issued in 1972 is 222,801.

W 105. Patents issued on botanical plants, 1931-1970.

Source: U.S. Patent Office, unpublished data.

Botanical plants became subject to patents for the first time in 1930. Patentable plants are those which are asexually reproduced—distinct and new varieties of plants other than tuber-propagated plants. The term and fees for plant patents are the same as for patents on inventions. Plant patents are numbered separately from the other patents. The number of the first plant patent issued in 1972 is 3,063.

W 106. Patents issued to residents of foreign countries, 1836-1970.

Source: U.S. Patent Office, Annual Report of the Commissioner of Patents, and unpublished data.

The volume of patents issued to citizens of foreign countries was influenced in the early years of the patent system by discriminatory legislation. For 1800–1836, only aliens who had resided in the United States for 2 years and who had declared their intention of becoming citizens could apply for U.S. patents. For 1836–1861, aliens paid higher fees than citizens on a theory of reciprocity. Discrimination based on nationality was eliminated in 1861.

This series is based on residence and not on citizenship. It includes patents on inventions, designs, and botanical plants. Separate statistics on components are not available except for recent years. For the 7 years 1951–1957, foreign residents received 12.6 percent of invention patents, 3.3 percent of design patents, and 12.5 percent of the plant patents. For the period 1964–1970, foreign residents received 22.4 percent of invention patents, 7.0 percent of design patents, and 13.5 percent of the plant patents.

W 107-108. Trademarks registered and renewed, 1870-1970.

Source: U.S. Patent Office, Annual Report of the Commissioner of Patents, and unpublished data.

A trademark is a symbol—a picture, word, or phrase—applied by a manufacturer or merchant to distinguish his goods from those of others. Trademark rights are acquired by adoption of a mark and use of it on the goods in trade. The Federal law provides for the registration in the Patent Office of such marks which are used in interstate and foreign commerce. Applications for registration are examined and registration may be refused if the mark is of a character-prohibited registration (national emblems, deceptive marks, purely descriptive marks, etc.) or if it conflicts with a prior registered mark. Federal registration does not create ownership, but only gives additional advantages to the owner. See Department of Commerce, General Information Concerning Trademarks, (revised periodically), for an outline of the requirements for registering a trademark.

The first Federal trademark law, that of 1870, was based on the

patent and copyright clause of the Constitution instead of the interstate and foreign commerce clause, and was held unconstitutional in 1879. The Trademark Act of 1881 was limited to marks used in foreign commerce. The Act of 1905 included marks used in interstate commerce as well. An Act of 1920 permitted registration of a secondary class of marks not previously registrable. A completely new Act of 1946, effective 1947, provides for a Principal Register on which marks of the type registrable under the Acts of 1881 and 1905 could be registered, and a Supplemental Register on which marks of the type registrable under the Act of 1920 could be registered. Registrations under the Act of 1946 are for a term of 20 years, with renewal possible for successive 20-year terms. Registrations issued under the Acts of 1881 and 1905 remain in force for their unexpired terms and may be renewed in the same manner as registrations under the Act of 1946. Registrations under the Act of 1920 cannot be renewed unless renewal is required to support a Foreign Registration and in such case may be renewed on the Supplemental Register in the same manner as registrations under the Act of 1946.

Series W 82-95. Copyright Registrations, by Type: 1870 to 1970

	Total		s and phlets		Contribu-	Drama- tic or			Works	Prints	Commer-			
Year	copy- right regis- trations ¹	Total 2	Printed abroad in foreign language	Periodi- cals	tions to periodi- cals ²	drama- tico- musical composi- tions	Musical composi- tions	Maps	of art, models, or designs	and pictorial illustra- tions	cial prints and labels ¹	Motion pictures	Miscel- laneous	Renewals, all classes ³
	82	83	84	85	86	87	88	89	90	91	92	93	94	95
1970	316,466	88,432		83,862	1,943	3,352	88,949	1,921	6,807	3,373	5,255	2,545	6,711	23,316
1969	301,258	83,603		80,706	1,676	3,213	83,608	2,024	5,630	2,837	4,798	2,364	5,132	25,667
1968	303,451	85,189		81,773	2,026	3,214	80,479	2,560	5,236	3,109	5,972	2,922	5,197	25,774
1967	294,406	80,910		81,647	1,696	3,371	79,291	2,840	4,855	2,740	5,862	2,696	4,999	23,499
1966	286,866	77,300		77,963	1,717	3,215	76,805	1,933	5,164	3,081	6,285	2,889	5,050	25,464
1965	293,617	76,098		78,307	2,095	3,343	80,881	3,262	5,735	2,927	7,509	3,752	6,188	23,520
1964	278,987	71,618		74,611	2,529	3,039	75,256	1,955	5,915	3,325	7,013	4,107	7,045	22,574
1963	264,845	68,445		69,682	2,535	2,730	72,583	2,002	6,262	2,594	7,318	4,216	6,314	20,164
1962	254,776	66,571		67,523	2,993	2,813	67,612	2,073	6,043	2,889	7,167	3,641	6,177	19,274
1961	247,014	62,415		66,251	3,398	2,762	65,500	2,010	5,557	2,955	7,564	4,654	5,754	18,194
1960 1959 1958 1957 1956	243,926 241,735 238,935 225,807 224,908	60,034 55,967 57,242 53,503 53,942	2,915 3,115	64,204 62,246 60,691 59,724 58,576	3,306 3,042 3,355 3,214 3,490	2,445 2,669 2,754 2,764 3,329	65,558 70,707 66,515 59,614 58,330	1,812 1,865 1,614 2,084 2,242	5,271 4,593 5,019 4,557 4,168	3,343 3,186 3,413 3,409 3,306	8,142 8,786 8,924 8,687 9,491	3,457 3,724 3,199 3,198 3,012	4,961 3,417 3,616 3,580 4,096	21,393 21,533 22,593 21,473 20,926
1955	224,732	54,414	3,694	59,448	3,746	3,493	57,527	2,013	3,456	3,793	10,505	2,650	4,168	19,519
1954	222,665	51,763	3,697	60,667	3,294	3,527	58,213	2,390	3,170	4,103	10,784	2,556	3,690	18,508
1953	218,506	49,059	3,875	59,371	3,288	3,884	59,302	2,541	3,029	3,126	12,025	2,175	3,605	17,101
1952	203,705	46,083	3,382	56,509	3,320	3,766	51,538	2,422	3,305	2,891	11,770	2,079	3,332	16,690
1951	200,354	47,125	3,536	55,129	3,408	3,992	48,319	1,992	3,428	3,590	11,981	2,149	2,869	16,372
1950	210,564	50,456	3,710	55,436	4,438	4,427	52,309	1,638	4,013	4,309	13,320	1,895	3,792	14,581
1949	201,190	47,422	2,644	54,163	4,140	5,159	48,210	2,314	3,281	4,358	13,233	1,763	3,472	13,675
1948	238,121	48,811	2,545	59,699	5,963	6,128	72,339	1,456	3,938	6,686	10,619	1,631	5,035	15,816
1947	230,215	49,525	3,970	58,340	4,400	6,456	68,709	1,779	4,044	6,506	9,674	2,084	5,497	13,201
1946	202,144	42,356	3,513	48,289	5,504	5,356	63,367	1,304	3,094	5,384	7,975	2,024	4,975	12,516
1945	178,848	35,688	111	45,763	4,856	4,714	57,835	857	1,821	2,634	7,403	1,735	4,175	11,367
1944	169,269	35,952	82	44,364	4,730	4,875	52,087	494	1,743	2,426	5,953	1,872	4,526	10,247
1943	160,795	36,889	156	42,995	3,568	3,687	48,348	737	1,649	2,317	5,385	1,767	3,803	9,650
1942	182,232	45,157	651	45,145	5,119	4,803	50,023	1,217	2,110	2,917	7,162	2,219	4,872	11,488
1941	180,647	46,040	1,553	42,207	5,845	5,010	49,135	1,398	2,187	3,058	7,152	1,798	6,475	10,342
1940	176,997	50,125	2,504	40,173	13,926	6,450	37,975	1,622	3,081	4,699	2,470	1,611	7,128	10,207
1939	173,135	49,901	4,086	38,307	9,843	6,800	40,961	1,566	3,419	3,126	2,315	1,757	7,278	10,177
1938	166,248	49,156	3,646	39,249	8,195	7,369	35,334	1,200	3,330	3,010	2,415	1,889	7,576	9,940
1937	154,424	45,504	8,841	38,053	7,551	7,176	31,821	1,198	3,002	3,875	2,506	1,751	5,904	8,589
1936	156,962	47,667	3,853	38,418	7,082	6,569	33,250	1,444	2,977	4,117	2,306	1,708	5,550	8,180
1935	142,031	43,134	3,283	36,351	7,875	6,501	27,459	1,348	3,082	3,120	2,408	1,695	4,810	6,661
1934	139,047	40,658	3,593	35,819	7,740	5,945	27,001	1,250	5,447	2,834	2,170	1,513	3,851	6,989
1933	137,424	40,694	4,232	35,464	9,290	6,359	26,846	1,178	2,667	3,143	1,937	1,607	3,765	6,411
1932	151,735	46,576	4,784	39,177	10,489	6,296	29,264	1,774	2,590	3,354	1,975	1,539	4,788	5,888
1931	164,642	46,855	4,339	42,415	12,698	5,784	31,488	2,940	2,551	5,813	2,465	1,926	6,174	5,998
1930 1929 1928 1927 1926	172,792 161,959 193,914 184,000 177,635	47,248 44,040 50,095 47,801 73,455	4,664 3,868 4,405 3,777 3,430	43,939 44,161 47,364 41,475 41,169	14,587 13,574 26,986 29,335	5,734 4,594 4,473 4,475 4,130	32,129 27,023 26,897 25,282 25,484	2,554 2,232 2,862 2,677 2,647	2,734 2,486 3,152 2,575 3,173	9,170 9,873 14,272 14,833 13,382	2,333 2,707 2,801 2,856 2,544	2,195 2,319 2,304 1,915 1,623	6,565 6,709 10,062 8,946 8,543	5,937 4,948 5,447 4,686 4,029
1925	165,848	65,670	3,266	40,880		4,015	25,548	2,222	2,950	10,827	2,015	1,765	8,662	3,309
1924	162,694	61,982	2,306	39,806		3,409	26,734	2,265	2,873	11,170	2,016	1,473	9,549	3,433
1923	148,946	55,561	2,886	37,104		3,778	24,900	2,042	2,790	10,400	2,141	1,277	8,405	2,689
1922	138,633	46,307	1,309	35,471		3,418	27,381	1,930	2,954	9,139	2,101	1,487	7,820	2,726
1921	135,280	41,245	1,134	34,074		3,217	31,054	1,647	2,762	9,362	1,485	1,721	7,992	2,206

Series W 82-95. Copyright Registrations, by Type: 1870 to 1970—Con.

	Total	Books pamp			Contribu-	Drama- tic or			Works	Prints	Commer-			
Year	copy- right regis- trations ¹	Total 2	Printed abroad in foreign language	Periodi- cals	tions to periodi- cals ²	drama- tico- musical composi- tions	Musical composi- tions	Maps	of art, models, or designs	and pictorial illustra- tions	cial prints and labels ¹	Motion pictures	Miscel- laneous	Renewals, all classes ³
	82	83	84	85	86	87	88	89	90	91	92	93	94	95
1920 1919 1918 1917 1916	126,562 113,003 106,728 111,438 115,967	39,090 37,710 33,617 33,552 32,897	939 855 636 914 1,276	26,467		2,906 2,293 2,711 3,067 3,223	29,151 26,209 21,849 20,115 20,644	1,498 1,207 1,269 1,529 1,612	2,115 1,901 1,858 2,247 2,220	10,945 9,997 9,161 11,514 12,722	780 768 708 1,123 1,235	1,714 1,429 1,838 2,720 3,240	8,096 5,268 6,746 8,235 11,228	2,112 1,906 1,857 1,992 1,628
1915 1914 1913 1912 1911	115,193 123,154 119,495 120,931 115,198	31,926 31,891 29,572 29,286 26,970	1,843 2,860 2,369 2,294 1,707	23,002 22,580		3,797 3,957 3,700 3,767 3,415	21,406 28,493 26,292 26,777 25,525	1,772 1,950 2,011 2,158 2,318	2,965 3,021 2,871 3,224 3,355	12,935 15,438 16,591 17,639 14,269	1,083 1,059 918 893 757	2,950 2,148 953	11,178 10,891 13,438 14,151 15,025	1,326 1,231 1,065 1,349 928
1910 1909 1908 1907 1906	109,074 120,131 119,742 123,829 117,704	24,740 32,533 30,191 30,879 29,261	1,351	21,195 22,409 23,078		3,911 2,937 2,382 2,114 1,879	24,345 26,306 28,427 31,401 26,435		4,383		235 1,010 915 985 1,095		14,533	
1905 1904 1903 1902 1901	113,374 103,130 97,979 92,978 92,351	29,860 27,824 27,466 24,272		22,625		1,645 1,571 1,608 1,448 (NA)	24,595 23,110 21,161 19,706 (NA)				1,373 1,301 1,143 913 948			
	Year	Total copyright regis- trations	Periodicals	Dramatic or dramatico musical composi- tions		Maps	Commercial prints and labels 1		'еат	Total copyright regis- trations ¹	Periodicals	Dramatic or dramatico- musical composi- tions	Musical composi- tions	Commer- cial prints and labels ¹
		82	85	87	88	89	92			82	85	87	88	92
1899 1898		- 80,968 75,545	(NA) (NA) (NA)	(NA) (NA) (NA) (NA) (NA)	(NA) (NA) (NA) (NA) 20,951	1,198	- 448 - 89 - 38	1884 1883 1882		28,411 26,893 25,274 22,918 21,075	6,060 5,570 5,489 4,612 4,339	625 587 498 458 415	6,808 6,241 6,280 6,143 5,578	391 513 906 304 202
1894		62 762	12,149 11,094 10,327	827 465 580 813 746	18,460 16,273 14,649	1,922 1,814 (NA)	1 6	1879 1878 1877		20,686 18,125 15,798 15,758 14,882	4,369 3,608 3,424	496 414 372		203 355 492 392 472
1889 1888 1887		- 40,985 38,225 35,083	7,646 7,086 6,708	715 620 589 536 672	8,958 8,066 7,744		- 319 - 327 - 380	1874 1873 1872 1871		15,927 16,283 15,352 14,164 12,688 5,600				232 232

NA Not available.

¹ Prior to 1941, commercial prints and labels not included in total; jurisdiction moved to copyright office in 1940.

Series W 96-106. Patent Applications Filed and Patents Issued, by Type and by Patentee: 1790 to 1970

	Paten	t applications	filed				Patents	issued			
						Inventions					To
Year	Inventions	Designs	Botanical plants	Total 1	Individuals	Corpor	ations	U. S. Govern-	Designs	Botanical plants	residents of foreign countries
				10		U. S.	Foreign	ment ²		:	
	96	97	98	99	100	101	102	103	104	105	106
970 969 968 967	102,868 98,386 93,136 87,872 88,293	5,996 5,496 5,171 4,744 4,853	188 111 95 103 104	64,427 67,557 59,102 65,652 68,406	13,511 14,772 13,555 15,647 16,018	36,896 38,847 34,886 38,353 41,634	12,294 12,188 9,172 9,895 9,222	1,726 1,750 1,489 1,757 1,532	3,214 3,335 3,352 3,165 3,188	52 103 72 85 114	17,872 17,578 18,722 14,711 14,008
965 964 963 962 961	94,632 87,597 85,724	5,413 5,259 4,968 4,897 4,714	105 120 145 151 107	62,857 47,376 45,679 55,691 48,368	19 1	37,158 27,836 26,632 32,560 28,351	8,096 5,854 5,501 6,380 5,161	1,540 1,182 1,021 1,281 1,473	3,424 2,686 2,965 2,300 2,487	120 128 129 91 108	12,785 9,166 8,730 10,255 8,384
960 959 958 957 956	78,594	4,525 4,879 4,923 4,714 4,824	131 114 134 101 104	47,170 52,408 48,330 42,744 46,817	13,069 16,017 15,706	28,187 29,888 27,116 23,255 25,502	4,670 5,081 4,230 3,372 3,690	1,244 1,422 1,278 963 982	2,543 2,768 2,374 2,362 2,977	116 101 120 129 101	7,850 8,340 7,390 6,282 6,640

Prior to 1927, contributions to periodicals included with books and pamphlets.
 Prior to 1941, excludes renewals of commercial prints and labels.
 July-December.

PRODUCTIVITY AND TECHNOLOGICAL DEVELOPMENT

Series W 96-106. Patent Applications Filed and Patents Issued, by Type and by Patentee: 1790 to 1970—Con.

	Pater	nt applications	filed				Patenta	sissued			
						Inventions					То
Year	Inventions	Designs	Botanical plants	Total 1	Individuals	Corpor	rations	U. S. Govern-	Designs	Botanical plants	residents of foreign countries
						U. S.	Foreign	ment 2			
	96	97	98	99	100	101	102	103	104	105	106
1955 1954 1953 1952 1951	77 185	5,764 5,465 5,450 4,998 4,279	118 95 99 84 71	30,432 33,809 40,468 43,616 44,326	11,914 12,531 16,284 18,538 19,192	16,084 18,319 21,230 22,340 22,305	1,744 2,301 2,294 2,035 2,163	689 658 658 695 659	2,713 2,536 2,713 2,959 4,163	103 101 78 101 58	4,065 4,433 4,331 5,635 4,888
1950 1949 1948 1947 1946	67,592 68,740 75,443	6,739 6,998 7,048 7,644 10,698	105 70 59 92 72	43,040 35,131 23,963 20,139 21,803	18,960 14,957 9,812 7,784 7,444	21,782 18,536 13,124 11,448 13,486	1,660 1,127 628 669 585	622 485 352 155 147	4,718 4,450 3,968 2,102 2,778	89 93 44 52 56	4,408 3,105 1,984 1,617 1,656
1945	54,190 45,498 45,549	8,066 5,063 2,986 4,218 7,203	52 42 41 60 67	25,695 28,053 31,054 38,449 41,109	8,981 9,636 11,654 14,534 16,322	15,665 16,769 18,022 22,019 22,632	580 645 524 1,286 2,112	87 106 48 62 43	3,524 2,914 2,228 3,728 6,486	17 38 47 65 62	2,112 2,564 2,625 3,943 5,311
1940	64,093 66,874 65,324	8,530 7,137 8,084 7,207 6,478	91 76 48 45 66	42,238 43,073 38,061 37,683 39,782	17,627 18,583 16,304 15,995 16,639	22,165 21,800 19,635 19,831 21,207	2,406 2,640 2,068 1,824 1,903	40 50 59 33 33	6,145 5,592 5,026 5,136 4,556	85 45 41 55 49	6,148 6,338 5,776 5,638 5,734
1985 1984 1983 1982 1981	56,643 56,558 67,006 79,740	5,728 4,399 3,600 4,345 4,190	72 28 27 46 37	40,618 44,420 48,774 53,458 51,756	17,757 19,731 22,713 26,274 26,618	20,821 22,529 23,667 24,822 23,149	2,018 2,181 2,343 2,325 1,961	22 29 51 37 28	3,864 2,919 2,411 2,942 2,935	45 32 33 46 5	5,980 6,489 7,170 7,376 6,897
1930	89,554 89,752 87,603 87,219 81,365	4,182 4,520 4,761 4,473 4,343	16	45,226 45,267 42,357 41,717 44,733	23,726 25,367 23,357 25,417 28,633	19,700 18,500 17,800 15,100 15,200	1,800 1,400 1,200 1,200 900		2,710 2,905 3,182 2,387 2,597		6,085 5,921 5,218 4,918 5,103
1925 1924 1923 1922 1921	87,987 76,783 83,962 87,467	4,082 3,635 3,550 4,763 5,596		46,432 42,574 38,616 38,369 37,798	80,832 29,174 27,016 27,369 27,098	14,800 12,400 10,800 10,300 9,860	1,300 1,000 800 700 840		2,819 2,670 1,927 1,609 3,265		5,847 4,723 4,133 4,455 3,963
1920 1919 1918 1917 1916	76,710 57,347 67,590	4,660 8,627 2,234 2,545 2,684		37,060 36,797 38,452 40,935 43,892	31,742		610		2,481 1,521 1,206 1,505 1,745		3,762 3,687 2,883 3,209 3,767
1915 1914 1918 1912 1911	67,774 68,117 68,968	2,734 2,454 2,060 1,850 1,534		43,118 39,892 33,917 36,198 32,856	24,756	7,580			1,538 1,711 1,677 1,341 1,004		4,334 4,595 4,212 4,489 4,058
1910 1909 1908 1907 1906	64,408 60,142 57,679	1,155 1,234 1,131 896 806		35,141 36,561 32,735 35,859 31,170	24,750	6,040	380		636 679 755 589 620		3,719 3,812 3,338 3,866 3,471
1905 1904 1903 1902 1901	51,168 49,289 48,320	781 818 770 1,170 2,361		29,775 30,258 31,029 27,119 25,546	20,896	4,370	280		486 553 536 689 1,729		3,292 3,285 3,763 3,499 3,402
1900 1899 1898 1897 1896	38,937 33,915 45,661	2,225 2,400 1,843 2,150 1,828		24,644 23,278 20,377 22,067 21,822					1,754 2,137 1,799 1,620 1,441		3,483 2,311 2,752 2,221 2,027
1895 1894 1893 1892 1891	36,987 37,293 29,514	1,463 1,357 1,060 1,130 1,025		20,856 19,855 22,750 22,647 22,312	11			l I	1,108 927 899 816 835		2,049 2,166 2,473 2,051 1,928
1890 1889 1888 1887 1886	39,607 34,713 34,420	1,046 857 971 1,041 645		25,313 23,824 19,551 20,403 21,767	J		1	l	886 723 832 948 594		2,105 2,003 1,536 1,466 1,489
1885 1884 1883 1882 1881	34,192 38,073 30,270	862 1,230 1,238 948 678		23,285 19,118 21,162 18,091 15,500					769 1,150 1,017 858 565		1,549 1,284 1,259 1,135 995
1880	21,761	634		12,903					514		786

Series W 96-106. Patent Applications Filed and Patents Issued, by Type and by Patentee: 1790 to 1970—Con.

	Inventions.		Patents issued	l		Inventions.		Patents issued	
Year	patent applications filed ³	Inventions	Designs	To residents of foreign countries	Year	patent applications filed 3	Inventions	Designs	To residents of foreign countries
	96	99	104	106		96	99	104	106
1879 1878	20,059 20,260	12,125 12,345	591 590	648 581	1857 1856	4,771 4,960	2,674 2,802	113 107	45 31
1877 1876	20,308 21,425	12,920 14,169	699 802	590 787	1855	4,435 3,328	1,881 1,755	70 57	41 35
1875	21,638 21,602	13,291 12,230	915 886	563 547	1853 1852	2,673 2,639	844 885	86 109	26 20
1873 1872 1871	20,414 18,246 19,472	11,616 12,180 11,659	747 884 903	493 581 522	1850	2,258 2,193	752 883	90	17 20
1870	19,171 19,271	12,137 12,931	737 506	644 377	1849 1848 1847	1,955 1,628 1,531	984 583 495	49 46 60	17 14 21
1868 1867 1866	20,420 21,276 15,269	12,526 12,277 8,863	445 325 294	337 275 244	1846	1,272 1,246	566 473	59 17	19
1865 1864	10,664 6,932	6,088 4,630	221 139	181 181	1844 1843 1842	1,045 819 761	478 493 488	12 14	12 20 8 11
1863	6,014 5,038	3,773 3,214	176 195	125 80	1841	847	490		21
1861	4,643 7,653	3,020 4,357	142 183	83 49	1840 1839 1838	765 4 800 4 900	458 404 514		19 10 17
1859 1858	6,225 5,364	4,160 3,455	107 102	47 28	1837 1836	4 650 4 5 400	426 5 103		7 8

Year	Inventions, patents issued	Year	Inventions, patents issued	Year	Inventions, patents issued	Year	Inventions, patents issued	Year	Inventions, patents issued
	99		99		99		99		99
1836 1835 1834 1832 1831 1830 1829 1829 1828	752 630 586 474 573 544	1826 1825 1824 1823 1822 1822 1821 1820 1819 1818 1817	328 304 228 173 200 168 155 156 222 174	1816 1815 1814 1813 1812 1811 1810 1809 1808	206 173 210 181 238 215 223 203 158	1807 1806 1805 1804 1803 1802 1801 1800 1799	99 63 57 84 97 65 44 41 41	1798 1797 1796 1795 1794 1793 1792 1791 1790	28 51 44 12 22 20 11 33 3

¹ Since 1942, includes patents issued to Alien Property Custodian, not shown sepa-

rately.

2 Excludes patents issued to Alien Property Custodian.

Series W 107-108. Trademarks Registered and Renewed: 1870 to 1970

Year	Registered	Renewed	Year	Registered	Renewed	Year	Registered	Renewed	Year	Registered	Year	Registered
	107	108		107	108		107	108		107		107
1970 1969 1968 1967 1966	21,745 20,613 21,528 20,036 20,259	6,076 6,176 4,646 3,801 3,585	1950 1949 1948 1947	16,817 15,968 11,472 8,976 8,106	3,564 3,788 5,056 6,139 5,725	1930 1929 1928 1927 1926	13,246 14,514 14,133 14,579 14,955	1,661 1,750 2,049 3,063 4,273	1910 1909 1908 1907 1906	4,239 4,184 5,191 7,878 10,568	1890 1889 1888 1887	1,415 1,229 1,059 1,133 1,029
1965 1964 1963 1962 1961	18,501 20,087 19,740 17,023 16,595	3,165 2,702 2,655 2,809 3,358	1945 1944 1943 1942 1941	7,490 6,025 5,595 6,795 8,530	4,210 4,052 3,835 2,894 2,765	1925 1924 1923 1922 1921	13,815 15,727 14,834 12,793 11,636	2,278 227 251 254 117	1905 1904 1903 1902 1901	4,490 2,158 2,186 2,006 1,928	1885 1884 1883 1882 1881	1,067 1,021 902 947 834
1960	18,434 18,709 15,351 17,480 20,753	3,933 3,272 3,070 3,488 3,756	1940 1939 1938 1937 1936	9,974 10,521 10,204 11,242 10,722	2,547 1,398 1,051 1,524 1,888	1920 1919 1918 1917 1916	10,268 4,208 4,061 5,339 6,791	73 64 38 52 55	1900 1899 1898 1897 1896	1,721 1,649 1,238 1,671 1,813	1880 1879 1878 1877 1876	349 872 1,455 1,216 959
1955 1954 1953 1952 1951	18,207 15,946 15,610 16,172 17,376	4,268 3,491 3,103 3,419 3,350	1935 1934 1933 1932 1931	10,886 11,362 9,130 9,603 11,400	1,874 2,445 1,671 1,587 1,643	1915 1914 1913 1912 1911	6,262 6,817 5,065 5,020 4,205	57 48	1895 1894 1893 1892 1891	1,829 1,806 1,677 1,737 1,762	1875 1874 1873 1872 1871 1870	1,138 559 492 491 486 121

³ Applications for reissue included with inventions, 1836–1876; design applications included with inventions, 1836–1879.

⁴ Estimate.

⁵ From July 4 to end of year.

⁶ To July 4.

Research and Development (Series W 109-180)

W 109-180. General note.

Historical statistics on research and development expenditures and employment by various groups in the major sectors of the economy are of comparatively recent origin. Public interest in representing the input of research and development activity in terms of some widely used measure, such as funds expended or personnel employed, has been largely incidental to concern with major national issues. During the depression years of the 1930's this interest stemmed from the role that research played in the recovery of the economy. Groups such as the National Research Project of the Work Projects Administration (formerly the Works Progress Administration) and the National Resources Planning Board engaged in studies of the interrelationships among trends in research and development, technological change, unemployment, education, and other major economic and social factors. Their interest in measuring research and development was generally subsidiary to a larger preoccupation with such broad national issues as economic recovery, re-employment, and national planning. The research and development estimates which they published were intended to serve primarily as illustrative background

The period of World War II and its aftermath dramatized the critical place of research and development in the Nation's military security program. Groups concerned with measuring research and development during this period included the Committee on Science and Public Welfare (Bowman Committee), the President's Scientific Research Board, and the Research and Development Board of the Department of Defense. Like the earlier groups, these organizations supplemented fragmentary data already on hand with special inquiries and analyses in order to develop background estimates on research and development trends.

The National Science Foundation, a Federal agency established in 1950, undertook as one of its functions the development of such factual data and related analyses on research and development. As a first step, the Foundation initiated an annual survey of Federal funds for research and development, starting with data on funds for scientific research and development at nonprofit institutions for fiscal 1951 and 1952 and moving thereafter to annual surveys of the funds comprising the "Federal Research and Development Budget."

In 1954, the National Science Foundation undertook the first

effort to measure the volume of research and development activity, in terms of funds and personnel, through surveys of all major types of organizations in the several sectors of the economy which were known to be performing or financing this activity. Out of this effort grew a continuing Foundation program of surveys designed to facilitate preparation of annual estimates on funds and personnel employed in research and development by the major sectors of the economy. Before the National Science Foundation undertook its first surveys. there was no general agreement on such fundamental matters as the definition of research and development; the distinction between the conduct of research and development and such related activities as academic instruction or industrial production; the distinction between basic and applied research and development; and the major characteristics distinguishing various types of research organizations.

National estimates. National estimates of funds spent on the performance of research and development by the four major sectors of the economy have been made by the National Science Foundation for 1953-70. National estimates of funds received from various sources for the performance of research and development have also been made for 1953-70. These series appear in table B-1 of the National Science Foundation publication, National Patterns of R&D Resources, 1953-72, Funds and Manpower in the United States, (NSF 72-300). An analysis of intersectoral flows of transfers of funds for research and development for 1970 appears in table I, below. This table is based on information obtained in the National Science Foundation surveys of funds for research and development in 1970 as presented in table B-1.

The limitations described below indicate that table I should be considered a general approximation rather than an exact statement of the extent to which the different sectors are participating in the financing and performance of research and development.

Detailed information on the scope and limitations of the various surveys appears in the National Science Foundation publications listed below. Generally speaking, the National Science Foundation surveys seek full enumeration of the various segments. The exceptions are industrial firms and the smaller nonprofit institutions for which sampling procedures are employed.

The data in table I are derived basically from survey responses by performers of research and development as to how much they spent

Table I. Intersectoral Transfers of Funds Used for Performance of Research and Development: 1970 [In millions of dollars, except as indicated. Based on reports by performers]

		Research an	d developmen	t performers		To	tal
Sources of funds, by sector	Federal Government	Ir.dustry 1	Unive and co	ersities elleges 2	Other nonprofit	Amount	Percent
	agencies		Total	Associated FFRDC's ³	institutions 1		
Federal Government agencies.	3,855	7,779 10,283	1,648 61	737	745 90	14.764 10,434	56.7 40.1
Universities and colleges Other nonprofit institutions			1461 165		4 223	461 388	1.8 1.5
TotalPercent	3,855 14.8	18,062 69.3	2,335 9.0	737 2.8	1,058 4.1	26,047	100.0 100.0

¹ Expenditures for Federally Funded Research and Development Centers (FFRDC's) administered by both industry and by nonprofit institutions are included in the totals of their respective sectors. FFRDC's are organizations exclusively or substantially financed by the Federal Government to meet a particular requirement or to provide major facilities for research and training purposes.

Includes agricultural experiment stations.
 Federally Funded Research and Development Centers (FFRDC's) administered by individual universities and colleges and by university-consortia.
 Includes State and local government funds.

on this activity and where their funds originated. The estimates represent final through-transfers from source organizations financing research and development to performing organizations which ultimately used the funds. Every effort was made to net out intermediate transfers.

Research and development in these series consist of basic and applied research in the sciences (including medical sciences) and in engineering and activities in development, all defined below. In terms of fields, the natural sciences—life, physical, and engineering—as well as the social and psychological sciences are covered in the Federal, universities, and other nonprofit sectors. Industry coverage is limited, at present, to the natural sciences. Research and development excludes routine product testing, quality control, mapping surveys, collection of general-purpose statistics, experimental production, and activities concerned primarily with the dissemination of scientific information and the training of scientific manpower.

Research, which is made up of basic and applied, is systematic, intensive study directed toward fuller scientific knowledge of the subject studied.

Basic research. For three of the sectors—Federal Government, universities and colleges, and other nonprofit institutions—the definition of basic research stresses that it is directed toward increases of knowledge in science with "... the primary aim of the investigator being a fuller knowledge or understanding of the subject under study, rather than a practical application thereof." To take account of an individual industrial company's commercial goals, the definition for the industry sector is modified to indicate that basic research projects represent "original investigations for the advancement of scientific knowledge... which do not have specific commercial objectives, although they may be in fields of present or potential interest to the reporting company."

Applied research. The core definition in the NSF questionnaire sent to the universities and colleges is: "Applied research is directed toward practical application of knowledge." Here again, the definition for the industry survey takes account of the characteristics of industrial organizations—it covers "... research projects which represent investigations directed to discovery of new scientific knowledge and which have specific commercial objectives with respect to either projects or processes." By this definition, applied research in industry differs from basic research chiefly in terms of objectives of the reporting company.

Development. The NSF survey concept of development may be summarized as "... the systematic use of scientific knowledge directed toward the production of useful materials, devices, systems or methods, including design and development of prototypes and processes."

Funds used for research and development refer to current operating costs, consisting of both direct and indirect costs including depreciation, insofar as this information is available to respondents. Capital expenditures are excluded by definition in both the industry and the other nonprofit sectors. Under the accounting practices of some Federal agencies, particularly the Department of Defense, data on the Federal R&D funds, which are available in detail only in terms of obligations rather than expenditures, do not include an allowance for depreciation but do include some obligations for capital items. A small amount of capital outlays is also included in the universities and colleges sector.

The National Science Foundation surveys include data on research and development by Federally Funded Research and Development Centers (FFRDC's). These are laboratories or similar research undertakings supported wholly or predominantly by the Federal Government but operated under contract by an industrial, university, or independent organization. Data relating to the performance of research and development at these centers are included within the appropriate sector in the estimates for 1956 and later years.

Several groups of organizations comprise the industry sector as represented in table I. Private industrial firms account for over 95 percent of the total funds for performance of research and development in this sector. (Data for firms appear in series W 144-160.) The remaining groups are FFRDC's operated by industrial concerns, independent commercial laboratories, and engineering service firms.

The colleges and universities sector consists of institutions of higher education with substantial research programs and of the FFRDC's operated under contract by educational institutions. Included in institutions of higher education are their affiliated research organizations, agricultural research centers, graduate and professional schools, and affiliated hospitals.

Other nonprofit institutions include privately endowed philanthropic foundations, nonprofit research institutes, voluntary health agencies, academies of science, professional societies, museums, zoological gardens, and arboretums, as well as several FFRDC's operated by independent organizations.

The data on transfers of funds were based on estimates from many institutions having somewhat different understandings of costs and expenditures. The estimates for Federal agencies, moreover, were based on obligations rather than expenditures, since information on transfers to the other sectors was available only for obligations. (Additional details appear in series W 126-143.)

For detailed information and trend data on R&D funds and scientific personnel, see the following publications: National Patterns of R&D Resources, Funds and Manpower in the United States (annual); Federal Funds for Research, Development, and Other Scientific Activities (annual); Research and Development in Industry (annual); Scientific Activities at Universities and Colleges (biennial); Scientific Activities of Nonprofit Institutions (periodic); American Science Manpower (biennial); Scientific, Technical, and Health Personnel in the Federal Government (annual); and Employment of Scientists and Engineers in the United States, 1950-66.

Early major efforts to estimate the volume of research and development. The methodology, scope, and limitations of the various series are often summarized in the publications cited below, and any use of these estimates in descriptive or analytical work should be preceded by a careful review of their limitations. Differences in concepts and scope of these earlier series make comparisons with the later NSF data not generally possible.

George Perazich and Philip M. Field, Industrial Research and Changing Technology, Work Projects Administration, National Research Project, Philadelphia, 1940, pp. 5–17 and 52–79. This report presents data on research personnel in industrial laboratories for 1920, 1921, 1927, 1931, 1933, and 1938. The data are based on the six directory listings on industrial research laboratories in the United States published by the National Research Council between 1920 and 1938.

National Resources Committee (later, National Resources Planning Board), Research, A National Resource, vol. 1, Relation of the Federal Government to Research, Report of the National Resources Planning Board Science Committee, 1938. Section 3, pp. 61–112, of this report presents estimates of Federal expenditures for research in 1937 and 1938. Table D, p. 91, summarizes from other sources a number of earlier estimates of Federal expenditures going back as far as 1901. Section 6, pp. 167–193, contains a discussion of research in American universities and colleges. It also provides a general estimate of the dollar volume of expenditures for research and development for 1935–1936.

National Resources Planning Board, Research, A National Resource, vol. II, Industrial Research, a report of the National Research Council to the National Resources Planning Board, 1941. Section IV, pp. 173–187 of this report, presents estimates of research personnel in industrial laboratories for 1940; and section II, part 7, pp. 120–123, shows research personnel and expenditures in 31 firms for 1937.

U.S. Senate, Committee on Military Affairs, Subcommittee on War Mobilization (Harley M. Kilgore, Chairman), Report on the Government's Wartime Research and Development, 1940-44, 1945. Part I of this report presents detail, and part II summarizes data on funds for research and development for each of 45 Federal agencies

and bureaus, with detail on the fiscal sources of funds and the major categories of recipients for fiscal years 1940 through 1944.

Vannevar Bush, Science, The Endless Frontier, A Report to the President, July 1945, appendix 3, "Report of the Committee on Science and Public Welfare" (Isaiah Bowman, Chairman). The Bowman Committee's report to Dr. Bush presents the first known national estimates of trends in scientific research and development expenditures in table I, p. 80. It also contains series on scientific research expenditures (based largely on performance of research) for the following major groups: (a) Industry—annual expenditures estimates for 1920-1940; (b) nonprofit industrial research institutesannual expenditures estimates for 1930-1942; (c) Government (Federal and State)—annual estimates for 1923-1932, 1934-1938, and 1940-1944; (d) colleges and universities—biennial estimates. 1930, 1932, 1934, 1936, 1938, 1940, and 1942; (e) research institutes (not connected with any industry nor an integral part of any university)—annual estimates for 1930-1940; and (f) total scientific research expenditures—total of the foregoing five series for 1930, 1932, 1934, 1936, 1938, and 1940,

The President's Scientific Research Board (John R. Steelman, Chairman), Science and Public Policy, A Report to the President, vols. I, II, and IV, 1947. Based on data in Vannevar Bush, Science, The Endless Frontier (cited above, vol. I, A Program for the Nation, presents for the even years of 1930-1940 estimated expenditures by the Federal Government, industry, universities, and others. Estimates are also made of the average annual expenditures by major groups for 1941-1945 and of expenditures for 1947. Vol. II, The Federal Research Program, presents estimates of Federal "expenditures for research and development in the physical and biological sciences" in fiscal year 1947 based on project reports from the individual agencies. Vol. IV, Manpower for Research, presents annual estimates and forecasts of scientists and engineers in industrial research laboratories for 1929-1956.

Helen Wood, Robert Cain, and Joseph H. Schuster, Scientific Research and Development in American Industry, A Study of Manpower and Costs, Bulletin No. 1148, U.S. Bureau of Labor Statistics, prepared in cooperation with the Department of Defense, 1953. Data in this publication are based on the first survey specifically designed to obtain research and development performance costs and personnel for private firms. The report presents estimates of expenditures for research and development performed in 1951 by firms reporting. Personnel data cover research and development scientists and engineers employed by these firms in January 1951 and 1952.

Office of the Secretary of Defense, The Growth of Scientific Research and Development, 1953. This publication presents annual estimates on sources of research and development funds and on performance of research and development for 1941–1952 for the Federal Government, industry, and nonprofit institutions including colleges and universities. Estimates of the number of scientists and engineers employed in research and development by these broad sectors are also shown for the same years. No methodological notes accompany the estimates. They are known to be based on materials in Wood, Cain, and Schuster (cited above); U.S. Senate Committee on Military Affairs, Subcommittee on War Mobilization (cited above); and other published and unpublished sources.

Office of Education, Statistics of Higher Education; Receipts, Expenditures, and Property, 1953-54, 1957. This report presents biennial estimates on expenditures for performance of "Organized research" by institutions of higher education, 1930-1954. See series H 732 in this volume. This is the oldest known current series on research expenditures.

More recently, beginning with Bureau of the Budget, The Budget of the United States Government, 1955, the Federal budget documents have carried a special analysis of "Federal Research and Development Programs" summarizing expenditures and/or obligations for research and development and R&D plant on an agency basis. In The Budget, 1972, this was Special Analysis R and covered fiscal years 1970, 1971, and 1972.

W 109-125. Funds expended for performance of research and development and basic research, by sector, and major function, 1953-1970

Source: U.S. National Science Foundation, National Patterns of R&D Resources, 1953-72, Funds and Manpower in the United States (NSF 72-300).

The four-sector division followed by the National Science Foundation attempts to take account of both the legal nature and major functions of organizations active in financing and performing basic research, applied research, and development. However, grouping diverse types of organizations into discrete sectors requires certain arbitrary judgments because of the mixed nature of many organizations, particularly those in the university and other nonprofit sectors.

The Federal sector is made up of the agencies of the Federal Government.

The industry sector consists of both manufacturing and nonmanufacturing companies. Manufacturing is surveyed in major industry groupings; and nonmanufacturing, which includes organizations such as those in selected service industries, is treated as a unit. Federally Funded Research and Development Centers (FFRDC's) administered by industrial firms are also included.

The universities and colleges sector is composed of all institutions of higher education, both public and private. The term "universities and colleges" is used to refer to the academic institutions as a group without the associated FFRDC's administered by the schools for various Federal agencies. The universities and colleges comprise the following:

Colleges of liberal arts; schools of arts and sciences; professional schools, such as engineering and medical schools, including affiliated hospitals; associated research institutions, and similar organizations, which are integral parts of the universities and colleges; agricultural experiment stations and associated schools of agriculture.

Funds used at the universities and attributed to the universities sector as a source consist of: (a) State and local government funds separately budgeted for research and development, (b) the direct or indirect costs of R&D performance sponsored by outside organizations that were defrayed in part by universities and colleges in accordance with cost sharing or other arrangements, and (c) unrestricted or general funds which the institutions themselves have been free to allocate for research either through their instructional or departmental budget or through their own separately budgeted research. Funds from the Federal Government, industry, or other nonprofit institutions, which are supplied in the form of grants or contracts for research or development at a university, are credited to the appropriate source in the performance of research and development by universities and colleges. Thus, research contracts from industry are treated as university performance funded by industry as the source, whereas funds given to the institution by industry for general educational purposes and used by the school, at its discretion, for research, are treated as university performance financed with the university's own funds.

Institutions in the other nonprofit sector fall into two general groups: (1) Organizations that are primarily granting in nature, namely private philanthropic foundations and voluntary health agencies, and (2) public and private organizations that are primarily involved in performing research and development, comprising separately incorporated nonprofit research institutes, professional societies, academies of science, museums, zoological gardens, botanical gardens, arboretums, nonprofit hospitals, and FFRDC's administered by nonprofit organizations.

In these series, both the university and the other nonprofit sectors contain private and public institutions—the latter either closely associated with or considered a part of State or local government. A number of organizations in both sectors, as well as in industry, also receive State and local government funds.

In the Foundation's surveys, respondents in all four sectors indicate the amounts they spend on research and development in their own sector and the sources of these funds. The National Science Foundation bases all national totals on data as reported by performers because institutions doing research and development are in the best position to: (a) indicate how much they spent in the actual conduct of research and development in a given year, (b) classify their work as basic, applied, etc. and (c) identify the sector of the economy in which their financing originated. The use of performer reporting throughout also reduces the possibility of double counting. Because the national time series on Federal funds spent in research and development are based on expenditures reported by organizations which have actually performed the research and development, they differ from the series in Federal Funds for Research, Development, and Other Scientific Activities on agency obligations for research and development to be performed in the non-Federal sectors. Federal agency obligations are used in the series only for intramural performance in agency laboratories where they are treated as the equivalent of expenditures. Expenses of Federal personnel engaged in planning and administering intramural and extramural R&D programs are also included in the intramural performance total.

W 126-143. Federal funds for research and development, by agency, 1947-1970.

Source: 1947-1951, U.S. Bureau of the Budget (now the Office of Management and Budget), unpublished data; 1952-1970, U.S. National Science Foundation, Federal Funds for Research, Development, and Other Scientific Activities, Vol. XXI.

Obligations represent orders placed, contracts awarded, services received, and similar transactions during a given period, regardless of when the funds were appropriated and when future payment of money is required. One of the limitations of these data is that they are two series compiled at different times and on somewhat different bases. The first series, FY 1947-51, was compiled by the Bureau of the Budget. The second series, FY 1952-70, is based on agency submissions to the National Science Foundation for its annual survey on Federal Funds for Research, Development, and Other Scientific Activities. Since Government accounting does not use research and development as a uniform bookkeeping category for all agencies, the data represent estimates by informed persons.

Expenditures represent checks issued and cash payments made during a given period, regardless of when the funds were appropriated.

For agencies operating on a cost-type budget, accrued expenditures and costs are reported instead of obligations. Accrued expenditures represent all costs accrued during the reporting period except those subject to reimbursement from other agencies.

The obligations and expenditures reported cover all transactions from all funds available from direct appropriations, trust funds or special account receipts, corporate income, or other sources, including funds appropriated to the President that an agency received or expects to receive. The amounts reported for each year reflect obligations and expenditures for that year regardless of when the funds were originally authorized or received and regardless of whether they were appropriated, received, or identified specifically for research, development, or R&D plant.

Funds reported for research and development reflect full costs. In addition to costs of specific R&D projects, the applicable overhead costs are also included. The amounts reported include the costs of planning and administering R&D programs, laboratory overhead, pay of military personnel, and departmental administration.

R&D plant (or R&D facilities and fixed equipment, such as reactors, wind tunnels, and radio telescopes) includes acquisition of, construction of, major repairs to, or alterations in structures, works, equipment, facilities, or land, for use in R&D activities at Federal or non-Federal installations. Excluded from the R&D plant category are expendable equipment and office furniture and equipment. Obli-

gations for foreign R&D plant are limited to Federal funds for facilities located abroad and used in support of foreign research and development.

W 144-160. Funds for industrial research and development, by industry, 1956-1970.

Source: U.S. National Science Foundation, Research and Development in Industry, annual reports.

The report covering R&D expenditures for 1956 and 1957 follows the general format used in subsequent annual reports. The National Science Foundation also sponsored two industry surveys covering the 1953-56 period, which were conducted by the U.S. Bureau of Labor Statistics (BLS): Science and Engineering in American Industry, Final Report on a 1953-54 Survey (NSF 56-16) and Science and Engineering in American Industry, 1956 (NSF 59-50). Data obtained in the BLS surveys are not directly comparable with U.S. Bureau of the Census figures for 1957-70 because of methodological and other differences in the surveys conducted by the two agencies and have, therefore, been excluded. In addition, the Census surveys, beginning in 1957, have collected data on the R&D activities of Federally Funded Research and Development Centers (FFRDC's) operated by business firms, whereas the earlier BLS surveys did not. To account for the R&D performance of these research centers in 1956, Census adjusted data for that year (collected in the 1957 survey) to provide comparable trend data from 1956 forward.

The surveys in this series have made use of the "shuttle" type questionnaire, permitting respondents to report information for the current year and at the same time make revisions as necessary in figures for the preceding year, which were preentered by the Bureau of the Census.

Research and development as defined in these series, includes basic and applied research in the physical and life sciences (including medicine) and in engineering, and design and development of prototypes and processes. This definition excludes quality control, routine product testing, market exploration, research in the social sciences or psychology, or other nontechnological activities or technical services.

Expenditures, as defined in these series, include salaries of research and development scientists and engineers and their supporting personnel, other direct costs, service and supporting costs, plus attributable overhead expenses incurred in such items as administration, depreciation, and rent. Expenditures also include Federal funds for private industry performance of research and development ranging from about 40 percent of total expenditures in 1953 to about 50 percent in 1970. The totals exclude capital expenditures and patent expenses.

The industry surveys conducted by the Bureau of the Census for the National Science Foundation use the company as the reporting unit. The company is defined as a corporate entity that includes all establishments under common ownership or control. Each company is classified in a single industry on the basis of its primary business activity, although many companies engage in research and development and productive activities outside the industry in which they are classified. Since many firms are active in several diverse product fields, data collected in this survey are not comparable with figures reported elsewhere on an establishment basis.

For the period 1963-70, companies in the survey have been assigned an industry classification based on the 1963 economic censuses conducted by the Bureau of the Census. Similarly, figures for 1958 and earlier years are based on the company classifications resulting from the 1958 economic censuses. To provide a continuous time series, individual industry data for 1959-1962 (previously classified on the 1958 basis) have been adjusted to account for the differences in absolute level resulting from the two classifications. A detailed explanation of the adjustment technique is contained in the Technical Notes section of the industry reports.

W 161-167. Funds for industrial research and development, by character of work, and cost per scientist or engineer, 1953-1970.

Source: U.S. National Science Foundation, series W 161-165 and W 167, Research and Development in Industry, 1970 (NSF 72-309) pp. 68 and 83; series W 166, unpublished data.

For series W 161-165, see the general note for series W 109-180.

W 166, R&D scientists and engineers. Those engaged full time in research and development and the full-time equivalent (FTE) of those working part time. Scientists and engineers are defined as persons engaged in scientific or engineering work at a level which requires a knowledge of physical, life, engineering, or mathematical sciences equivalent at least to that acquired through completion of a 4-year college course with a major in one of those fields.

W 167, cost per R&D scientist or engineer. The number of R&D scientists and engineers used to estimate the cost per R&D scientist or engineer for 1967-70 is the number of man-years; between 1957 and 1966, the arithmetic means of the numbers of R&D scientists and engineers reported in each industry for January in two consecutive years was used.

W 168-180. Employment of natural scientists and engineers, 1950-1970.

Source: U.S. Bureau of Labor Statistics, unpublished data.

Scientists and engineers in these data include those who "work as" natural scientists or engineers. This concept, therefore, includes persons without college degrees in science and engineering who were working in engineering and science jobs. It does not include individuals with college degrees in science and engineering who are not working in these fields. Also excluded are social scientists and high school teachers of science subjects, as well as medical scientists who spend the greatest portion of their time providing care to patients.

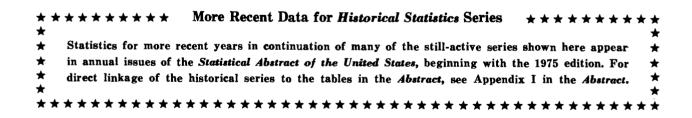
The basic definitions used in these series are those used in the periodic surveys of scientific and technical personnel in private industry and in State and local governments, conducted by the Bureau of Labor Statistics (BLS). These surveys cover about four-fifths of all scientists and engineers. Following are definitions used in these surveys: (1) Scientists and engineers are workers who perform

at a level requiring education or training equivalent to that acquired through completion of a 4-year college course with a major in a natural scientific or engineering field; (2) R&D scientists and engineers are defined as those who spend the greater portion of their time in basic and applied research in the natural sciences (including medical science) and engineering, and in design and development of prototypes and processes; (3) Employment data include all workers employed as scientists and engineers whether full or part time.

Annual estimates refer to January or "early-in-year" employment. Adjustments were necessary to survey data on Federal Government and local governments, as October was generally the date of the surveys in these sectors.

Historically, surveys of science and engineering employment have been made separately for six major sectors of the economy—private industry, Federal Government, State governments, local governments, universities and colleges, and nonprofit organizations. In private industry, surveys of scientific and technical personnel were conducted by BLS for the years 1952, 1954, annually 1959 through 1964, 1966, 1968, and 1969. Data on State government employment, also collected by BLS, are available only for the years 1959, 1962, and 1964. Other nonrecurring BLS surveys in this field include a survey of science and engineering employment in local governments for the year 1963 and a pilot survey covering such employment in six States in 1960. Surveys of science and engineering employment in universities and colleges were conducted by the National Science Foundation in 1954, 1958, 1961, 1965, 1967, and 1969. Scientists and engineers employed by nonprofit organizations were surveyed by BLS in 1958 and the NSF in 1965 and 1967. An NSF survey in 1960 of such employment was limited in scope.

Other sources of information used included BLS establishment data on total wage and salary worker employment and production worker employment; information from the Decennial Census of Population, 1950 and 1960; Bureau of the Census, Current Population Surveys; information on R&D expenditures from the NSF and Department of Defense; information from the NSF's National Register of Scientific and Technical Personnel on scientists, by field, type of employer, and function; and data on full time equivalent R&D employment of scientists and engineers in private industry from NSF reports.



Series W 109-125. Funds Expended for Performance of Research and Development and Basic Research, by Sector and Major Function: 1953 to 1970

[Amounts in millions of dollars]

							Ву ре	rformance	sector					l	By major	function	
	Total	Percent		Indi	ustry	U:	niversities	and colle	ges		Other no	nprofit ins	titutions			Ot	her
Year	funds	Federal as source	Federal Govern- ment	Federal funds	Industry funds	Federal funds	Industry funds	Universities and colleges funds 1	Other nonprofit institu- tions funds 1	FFRDC's²	Federal funds	Industry funds	Other funds ³	Defense 4	Space 4	Non- Federal	Federal
	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
							I	RESEARCH	AND DEVE	LOPMENT	5						
1970 1969 1968 1967 1966	26,545 26,169 25,119 28,613 22,264	55.6 57.0 59.5 61.1 62.8	3,853 3,501 3,493 3,396 3,220	7,779 8,451 8,560 8,365 8,332	10,283 9,867 8,869 8,020 7,216	1,648 1,595 1,572 1,409 1,262	61 60 55 48 42	961 895 841 753 673	166 145 131 119 108	737 725 719 673 630	748 640 608 577 546	90 81 73 66 59	220 209 198 187 176	8,388 8,767 8,515 8,005 7,124	2,840 2,905 3,291 3,377 4,230	11,786 11,253 10,173 9,209 8,260	3,531 3,244 3,140 3,022 2,649
1965 1964 1963 1962 1961	20,439 19,214 17,371 15,665 14,552	63.8 65.3 64.6 63.4 63.7	3,093 2,838 2,279 2,098 1,874	7,740 7,720 7,270 6,485 6,240	6,445 5,792 5,360 5,029 4,668	1,073 916 760 613 500	41 41 41 40 40	615 555 485 424 371	93 83 73 66 58	629 629 530 470 410	498 450 380 310 240	53 47 48 45 41	159 143 145 135 110	6,602 6,936 7,053 7,363 7,160	4,170 3,555 2,380 1,050 800	7,397 6,667 6,149 5,749 5,282	2,269 2,056 1,789 1,504 1,310
1960 1959 1958 1957 1956	10,870 9,912	63.7 64.3 62.5 61.7 57.3	1,726 1,640 1,374 1,220 1,040	6,081 5,635 4,759 4,335 3,328	4,428 3,983 3,630 3,396 3,277	405 306 254 229 213	40 39 39 34 29	328 290 257 230 204	52 47 42 38 34	360 338 293 240 194	180 140 111 95 84	40 35 31 30 30	90 87 80 65 50	7,085 6,684 5,652 5,174 4,123	426 314 109 99 76	4,984 4,477 4,076 3,796 3,622	1,235 1,066 1,033 843 662
1955 1954 1953 ⁶	6,279 5,738 5,207	55.9 54.7 53.0	905 1,020 1,010	2,180 1,750 1,480	2,460 2,320 2,200	169 160 138	25 22 19	185 167 151	30 28 26	180 141 121	75 67 60	28 25 20	42 38 32	2,976 2,766 2,473	63 52 42	2,769 2,599 2,447	471 321 245
				<u> </u>	<u>'</u>	<u>'</u>	1	BA	SIC RESEA	RCH	<u>.</u>	<u>'</u>					
1970 1969 1968 1967 1966	3,943 3,758 3,648 3,357 3,123	62.6 63.5 64.3 64.7 63.6	646 565 502 472 445	158 160 180 202 173	471 458 462 427 451	1,296 1,275 1,268 1,124 1,009	40 39 36 31 27	748 678 621 551 494	110 95 86 79 71	269 275 276 250 227	100 111 118 125 132	25 22 20 19 18	80 80 79 77 76				
1965 1964 1963 1962 1961	2,559 2,196	63.7 62.3 59.7 57.8 54.5	424 364 299 251 206	186 165 147 143 81	406 384 375 345 314	879 767 610 481 382	26 25 25 25 25 25	445 402 343 293 250	69 67 58 51 44	208 191 159 136 115	120 108 95 80 57	16 15 14 12 11	74 71 71 69 58				
1960 1959 1958 1957 1956	973	52.3 52.7 47.3 47.6 46.2	160 173 126 122 104	79 72 43 41 37	297 248 252 230 216	299 226 178 155 130	24 24 24 21 18	215 185 159 136 116	38 33 29 25 22	97 92 78 65 51	58 46 35 25 23	10 8 6 5 5	49 48 43 32 25				
1955 1954 1953 ⁶	608 548 489	47.0 48.4 47.9	90 102 101	27 23 19	162 143 132	103 90 73	16 14 12	99 85 73	19 17 15	49 39 33	17 11 8	5 4 4	21 20 19				

¹ Includes State and local government funds received by these institutions and used for research and development.

² Federally Funded Research and Development Centers administered by individual universities and colleges and by university consortia.

³ Includes estimates for independent nonprofit hospitals and voluntary health agencies. Thickness estimates for independent nonprone nospitals and voluntary heatth agencies.

Defense expenditures consist of all R&D spending by the Department of Defense (DOD) and a portion of Atomic Energy Commssion funds. Space R&D expenditures

are those of the National Aeronautics and Space Administration. The space activities of DOD are included as spending on defense. The space activities of other Federal agencies are not included; they are estimated to account for less than 5 percent of all space R&D spending.

Basic research, applied research, and development.

Calendar year data for industry and nonprofit institutions combined with Federal and university data for fiscal year 1953 (July 1952–June 1953).

PRODUCTIVITY AND TECHNOLOGICAL DEVELOPMENT

Series W 126-143. Federal Funds for Research and Development, by Agency: 1947 to 1970

[In millions of dollars. For years ending June 30]

								Obliga	tions 1								Expend	litures
						Departm	ents of—	-										
Year	Total					Defense			tion,	, Educa- and are ⁴		Atomic Energy Com-	nautics and	Na- tional Science	Vet- erans Admin-	All other 2	Re- search	R & D
		Agri- culture	Com- merce ²	Total	Army ³	Navy 3	Air Force 3	Other	Total	Na- tional Insti- tutes of Health		mission	Space Admin- istra- tion ⁵	Founda- tion	istra- tion		develop- ment	
	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
1969 1968 1967	15,340.3 15,641.1 15,921.4 16,529.3 15,320.4	281.2 260.1 253.5 252.6 234.9	83.9 74.8	7,360.4 7,696.3 7,709.3 8,049.2 7,023.6	1,563.4 1,661.3	2,024.8 2,108.9	3,621.7 3,794.3	499.3 484.6	1.221.0 1,297.4 1,251.8 1,146.6 1,014.4	892.9 864.0 802.8	207.6 190.6 170.4	1,346.0 1,405.9 1,369.0 1,257.3 1,212.4	3,963.3 4,429.4 4,867.0	273.8 283.5 262.4	44.7 40.9	414.4 305.7 408.0	15,157.0 15,695.4 16,333.0 16,073.0 14,970.2	786.1
1965 1964 1963 1962 1961	14,614.3 14,225.4 12,494.7 10,289.9 9,058.6	224.6 189.0 168.0 157.2 143.4	53.8 52.2	6,796.5 7,261.9 7,285.7 6,722.9 6,574.0	1,376.9 1,297.4	1,621.2 1.597.3	3,784.0 3.944.7	536.5 479.7 446.3 410.6 328.3	776.9 656.2 576.9	566.0 495.1	106.4 92.1 85.6	1,240.7 1,236.0 1,077.9 1,029.2 850.2	4,286.6 2,857.4 1.439.2	187.2 170.2 154.1 113.9 84.0	33.7 29.9 27.5	110.8 121.1 97.4	13,811.4 13,758.9 11,338.5 9,831.6 8,747.9	948. 673. 555.
1960 1959 1958 1958 1957	7,551.7 6,693.5 4,569.7 3,932.0 2,988.2	125.8 120.7 110.2 99.8 83.0	25.6 18.3 17.7	5,711.5 5,161.6 3,403.3 2,985.6 2,268.6	1,174.2 603.3	1,349.5 867.9 804.2	2,815.5 2,440.0 1,858.6 1,643.9 1,142.8	243.6 197.9 73.5 36.9 44.5	184.9 144.2	211.7 157.4 124.7	60.6 51.1	699.8 644.0 528.0	77.1	33.6 30.6	10.1 7.7	37.3 17.9	4,648.4 4,118.9	443. 347. 342. 342. 214.
1955 1954 1953 1953 1952	2,532.8 2,875.0 3,106.0 1,887.3 1,481.9	72.2 59.3 56.0 55.3 55.1	7.8 10.9 10.3	1,945.1 2,320.0 2,577.2 1,508.5 1,125.9	899.6 458.8	564.8 615.3 660.7 551.1 450.2	941.4 1,016.9 498.6		68.0 58.2 49.9 43.6 37.9	38.4 38.0 33.0		323.4 309.9 168.9	43.0 47.3 48.4 50.5 45.4	4.6 2.3 .9	5.6 5.3 5.1 3.9 5.1	11.3 14.1	2,884.6 2,825.6 1,548.2	208.3 263.3 275.4 268.6
1950	972.6 937.7 776.5 619.5	45.7	22.4 10.9 8.9 5.7	599.7 626.1 485.8 469.3	114.7	257.6 298.0 247.3 252.3	213.5 140.8		34.2 25.2 24.3 10.6		28.7 30.2 20.3 16.9	140.0 145.4	38.3		3.8 4.3 3.1 1.4	9.6 10.0		

Series W 144-160. Funds for Industrial Research and Development, by Industry: 1956 to 1970 [In millions of dollars]

Year	Total	Food and kindred products	Textiles and apparel	Lumber, wood products and furniture	and	Chemi- cals and allied products	Petro- leum refining and extrac- tion	Rubber products	Stone, clay, and glass products	Primary metals	Fabri- cated metal products	Machin- ery	Electrical equipment and communications	Motor vehicles and other trans- porta- tion equip- ment	Aircraft and missiles	Professional and scientific instruments	All other indus- tries
	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
1970 1969 1968 1967 1966 1966	18,062	235	58	48	178	1,766	515	220	157	275	200	1,649	4,352	1,582	5,245	745	837
	18,318	205	70	15	188	1,659	467	217	159	257	182	1,536	4,401	1,558	5,909	734	762
	17,429	187	58	19	144	1,588	437	205	142	251	183	1,477	4,105	1,491	5,776	660	705
	16,385	183	57	12	128	1,507	371	182	136	242	163	1,326	3,867	1,354	5,669	542	649
	15,548	164	51	12	117	1,407	371	168	117	232	154	1,217	3,626	1,344	5,526	468	574
1965	14,185	157	38	11	94	1,356	397	162	112	213	145	1,065	3,200	1,230	5,148	403	455
1964	13,512	144	32	12	77	1,284	393	158	109	195	148	1,015	2,972	1,182	5,078	331	384
1963	12,630	130	30	11	69	1,239	317	156	100	183	153	958	2,866	1,090	4,712	284	330
1962	11,464	121	28	10	65	1,175	310	141	96	171	146	914	2,639	999	4,042	309	299
1961	10,908	125	30	10	59	1,101	299	138	88	177	136	901	2,483	936	3,829	297	299
1960	10,509	104	38	10	56	980	296	121	88	177	145	949	2,532	889	3,514	329	287
1959	9,618	91	30	12	49	891	278	115	81	152	138	930	2,329	866	3,090	309	257
1958	8,389	83	26	12	42	792	246	89	75	131	162	781	1,969	856	2,609	294	222
1957	7,731	74	15	14	35	705	211	107	69	108	135	669	1,804	707	2,574	249	(¹)
1956	6,605	64	(¹)	(1)	36	641	182	(¹)	60	90	116	543	1,516	688	2,138	200	(¹)

¹ Not available separately; included in total.

NA Not available.

¹ Excludes R & D plant.

² Beginning 1966, the Bureau of Public Roads and the Office of Transportation Research and Development, formerly in the Department of Commerce, are included in "All other."

Includes pay and allowances of military R & D personnel beginning in fiscal year 1953, and support from procurement appropriations for development, test, and evaluation, starting with fiscal year 1954.
 Federal Security Agency prior to fiscal year 1952.
 National Advisory Committee for Aeronautics prior to fiscal year 1958.

Series W 161–167. Funds for Industrial Research and Development, by Character of Work, and Cost Per Scientist or Engineer: 1953 to 1970

	Re	search and	developm	ent (mil. d	ol.)	R&D	Cost		Re	search and	developme	ent (mil. do	ol.)	R & D	Cost
Year	Total		Research		Develop-	scientists and engineers 1	R & D scientist or	Year	Total		Research		Develop-	scientists and engineers ¹	per R & D scientist or
		Total	Basic	Applied	ment		engineer			Total	Basic	Applied	ment		engineer
	161	162	163	164	165	166	167		161	162	163	164	165	166	167
1970	18,062 18,318 17,429 16,385 15,548 14,185 13,512 12,630 11,464 10,908	4,028 3,905 3,766 3,544 3,467 3,250 3,149 2,979 2,937 2,372	629 618 642 629 624 592 549 522 488 395	3,399 3,287 3,124 2,915 2,843 2,658 2,600 2,457 2,449 1,977	14,034 14,413 13,663 12,841 12,081 10,935 10,363 9,651 8,527 8,536	375,450 385,600 381,900 371,950 360,200 348,400 341,900 333,750 319,650 312,050	\$48,100 47,500 45,600 44,100 43,200 40,700 39,500 37,800 35,900 35,000	1960	10,509 9,618 8,389 7,731 6,605 4,640 4,070 3,630	2,405 2,311 2,206 1,941 1,521 1,117 980 877	376 320 295 271 253 189 166 151	2,029 1,991 1,911 1,670 1,268 928 814 726	8,104 7,307 6,183 5,790 5,084 3,523 3,090 2,753	302,050 280,200 256,100 236,600	\$34,800 34,300 32,800 32,700

 $^{^1\,\}mathrm{For}\ 1957-69$, the number of R & D scientists and engineers was derived by using the arithmetic mean of the full-time-equivalent number of R & D scientists and engineers employed in January of two consecutive years; for 1970, man-years were used.

Series W 168-180. Employment of Natural Scientists and Engineers: 1950 to 1970
[In thousands]

	Total, scientists				Scientists,	by field of en	nployment					oloyed in res d developme	
Year	and engineers	Total	Chemists	Mathe- maticians	Physicists	Geologists, etc.	Other physical	Agricul- tural	Biological	Medical	Total	Engineers	Scientists
	168	169	170	171	172	173	174	175	176	177	178	179	180
1970 1969 1968 1967 1966	1,595 1,568 1,525 1,477 1,418	496 483 462 439 418	133 131 127 123 120	74 73 67 62 54	49 48 46 44 42	31 29 29 28 28 26	36 35 34 30 29	49 48 47 47 47	71 68 66 63 57	53 51 46 42 43	535 549 553 554 526	342 357 359 358 339	194 192 194 196 186
1965 1964 1963 1962 1961	1,367 1,327 1,281 1,210 1,152	397 381 359 337 319	117 115 110 107 103	50 47 44 40 36	40 39 36 34 32	26 23 23 21 21	27 26 25 24 24	44 42 39 35 32	56 54 51 49 47	37 35 31 27 24	513 498 476 442 410	331 322 311 284 263	183 176 165 157 146
1960	1,104 1,058 1,001 959 874	303 291 272 251 228	100 95 91 85 79	34 32 29 26 23	30 29 26 24 21	20 21 20 20 18	22 21 21 21 19	30 30 27 26 24	45 43 39 35 30	22 20 19 16 14	386 362 330 309 271	249 233 210 198 171	138 129 120 111 100
1955 1954 1953 1952 1951	813 784 749 686 612	210 204 194 178 161	74 72 68 63 57	21 20 18 16 15	20 19 18 17 15	17 16 16 14 13	17 17 17 15 12	22 22 22 20 18	27 26 24 23 21	12 12 11 10 10	249 244 228 205 175	156 153 143 126 106	93 91 85 79 70
1950	557	149	52	14	14	13	10	17	20	9	158	94	64

Financial Markets and Institutions

Flow of Funds (Series X 1-392)

X 1-392. General note.

These data present an integrated picture of financial claims outstanding in the U.S. economy. They summarize the types of claims, who owes them as liabilities, who holds them as assets, and, for some major groups in the economy, how lending and borrowing are related to income and expenditure flows. The data are based on a wide range of information from public and private statistical sources. Directly or indirectly they reflect banking statistics. Treasury accounts. Census data, tax return compilations, balance of payments statements, security market data, and balance sheet tabulations for several kinds of nonbank financial institutions. Data from these diverse sources have been adjusted in many ways to make them consistent with one another in coverage and in definition of types of claim. The process of adjusting them into consistency produces a total system of financial accounts for the economy that includes separate statements of financial position and of transactions for each major institutional group in the system. As a whole, this financial accounting structure constitutes the flow-of-funds system of accounts published by the Federal Reserve System.

Broadly grouped, this section has three parts: (1) a summary of total debt and the structure of assets that finances that debt; (2) statements for households, business, and State and local governments on their saving and investment and financial positions; and (3) summaries for major financial markets of lending and borrowing positions.

Some of the tables include data on both amounts of claims outstanding at year-ends and net flows during years. For most financial claims, the net flows are the changes over years in outstandings and represent the excess of new claims created or acquired during the year over repayments or other disposition. There are exceptions, however, notably in equities in corporate and noncorporate business. Capital supplied to business through corporate stock issues or through proprietors' equity investment appears in the flows as external sources of funds to business and as uses of funds by investors; as equity positions such funds are not included in business liabilities in the tables on outstandings. Corporate equity assets are shown at market value based on prices on stock exchanges, while noncorporate equities are omitted for lack of information on values. Changes in market prices cause the aggregate market value of corporate equities to fluctuate far more from year to year than would be accounted for by net purchases, and the difference is capital gains and losses, mainly unrealized, that are not included in the tables on net flows. For equity markets, therefore, the tables on outstandings and on flows reflect separate aspects of developments.

Tables on flows for households, business, and governments are broader than the tables on outstandings in that they are full statements of saving and investment for the groups covered, including income, spending, and physical asset purchases as well as lending and borrowing. The data on saving and tangible investment for these groups are taken directly from national income accounts, which are summarized in chapter F. The relation between the amounts shown here and national income data are described in the November 1965 Federal Reserve Bulletin, pages 1534–1538. For each of these groups, saving and investment are defined to be equal although measured differently, with saving the excess of current receipts over current outlays and investment the sum of outlays for tangibles and financial assets less net borrowing. Because saving and investment

are calculated from separate bodies of data, there are inevitable discrepancies between the two that are also shown in the tables.

The tables of net flows for these three groups relate in outstandings to complete balance sheets that include physical assets and net worth as well as the financial assets and liabilities that are included in the tables on outstandings. Changes in net worth in such balance sheets would equal saving (as shown in the flow tables), plus capital gains, while changes in assets less liabilities would equal net investment flows plus the same capital gains.

Complete balance sheets consistent with saving and investment flows are being developed on an economy-wide basis but (as of July 1975) are not in a form that can be included here. These balance sheets require estimates of tangible asset holdings on a uniform valuation basis, with totals for all groups in the economy that are consistent with tangible asset totals of the kind shown in chapter F. Until these estimates are completed only partial balance sheets can be shown, covering financial assets, liabilities, and a net difference that is the financial net worth of each group. When tangible asset holdings can be added to these financial net worth figures, it will be possible to cumulate wealth estimates for individual groups into national wealth totals that are consistent with those shown in chapter F. Most of the financial claims included are both held and owed within the national economy and are canceled out in national wealth cumulations, but they are major elements in the distribution of wealth ownership. At the same time their net sum-the excess of U.S. claims on foreigners over foreign claims on the U.S.-- represents the financial component of total national wealth.

The primary interest in these tables on financial claims, however, lies not in their relation to national wealth estimates but rather in the picture of financial structure that they give, the indications of debt burden, liquidity positions, structure of intermediation, and surplus-deficit positions that can be derived from them. While most of the debt is not part of national wealth, the structure of debt—long term or short term—and who owes it—government, business, or households—have important bearings on private spending decisions. The forms of private financial assets—deposits, long-term securities, and so forth—have influences on credit availability as well as on spending. The tables on outstandings are intended to indicate these aspects of financial structure, while the tables on flows give the relation of financial market transactions to nonfinancial activity that generates both the saving from which credit is supplied and the spending for which credit is demanded.

As a group the tables are selective in several ways, since there is not space to include a total statement of all financial activity. Thus, the three summary tables (series X 1-113) encompass all sectors of the economy but are limited primarily to their credit market activities. The tables on individual sectors (series X 114-262) cover all transactions and financial positions of the groups that have been included but represent only the private nonfinancial economy. The principal omissions are banks and other financial institutions, the Federal Government, and foreign transactors. These are covered in somewhat different form in other sections of this volume. The tables on individual financial markets (series X 263-392) are also selective in that they cover all flows into and out of major markets covered but do not include all financial markets. In this area the most important omission is bank loans, which again is covered elsewhere.

FLOW OF FUNDS X 1-262

Other omissions consist of security credit, commercial paper, and X 64-113. Sources of credit market funds, 1945-1970. a variety of other credit forms that are relatively small.

X 1-113. General note.

These series are a summary of total credit in the economy and its sources. The forms of credit included are indicated in series X 1-23. Other kinds of financial obligation that are not directly part of credit markets are omitted. Most of these other obligations are represented in series X 114-262.

X 1-23. Debt of nonfinancial borrowers, 1945-1970.

Source: Board of Governors of the Federal Reserve System, Flow of Funds Accounts: Financial Assets and Liabilities Outstanding, 1945-1971, and unpublished data.

This set of financial claims, owed by governments, households, nonfinancial business, and foreigners, is an approximation to a base amount of total credit that is used to finance nonfinancial activity in the economy, such as public deficits, business capital formation and inventories, home building, and consumer durables purchases. Government debt omits most public intermediation in financial markets, such as in federally sponsored credit agencies, and the private borrowing omits security credit, book trade accounts, direct foreign investment, other more informal types of financial relationship, and all liabilities of financial intermediaries. For private borrowers the flow of credit included is related closely in total to the volume of capital expenditures, with variations in the relationship and in forms of debt that reflect changing credit conditions.

U.S. Government debt shown is essentially the total for net public borrowing in unified budget presentations. It excludes intragovernment holdings that are part of the larger total of public debt subject to statutory limitation. The unified budget has been published by the Treasury only from the beginning of 1969, but the figures for earlier years have been adjusted to that basis for consistency over The figures include Treasury securities, issues by other budget agencies, loan participation certificates, mortgage debt, and Commodity Credit Corporation (CCC) certificates of interest.

State and local government debt is derived from the census of governments.

Corporate and foreign securities are based on Securities and Exchange Commission data on net change in outstandings; the totals for outstandings are Federal Reserve estimates. The figures exclude all issues by financial institutions, and exclude liability for corporate

Mortgage totals are as published by the Federal Reserve except that they exclude loans in process of disbursement and Federal Government debt in mortgage form.

Bank loans are from banking statistics and are essentially total business loans, farm loans, and loans to individuals after removing credit in the form of open-market paper, CCC-guaranteed loans, consumer credit, and security credit. Loans to financial business are omitted. Consumer credit is as published by the Federal Reserve. Open-market paper consists of dealer-placed commercial paper issued by nonfinancial corporations and bankers' acceptances. Other loans consist mainly of business credit from finance companies and loans by the U.S. Government and federally sponsored credit agencies to business, households, and foreigners. They include foreign loans in aid programs and Export-Import Bank credit.

X 24-63. Funds raised in credit markets by nonfinancial sectors, 1946-1970.

Source: Board of Governors of the Federal Reserve System, Flow of Funds Accounts: Annual Flows, 1946-1971, and unpublished data.

See text for series X 1-23.

Source: See source for series X 1-23.

These series distribute, as assets in the economy, the credit totals that appear in series X 1-23 as liabilities, indicating at the same time the position of financial intermediaries and governmental credit agencies in the structure of supply. The series are divided into three sections-credit from public agencies and foreign investors, assets and liabilities of private intermediaries, and assets of private domestic nonfinancial groups. Public agency credit includes—in addition to direct lending by Federal Government agencies-Federal Reserve credit related to money supply and bank reserves, loans by federally sponsored credit agencies, and foreign holdings of credit market instruments. The sponsored credit agencies (series X 71) are a group of institutions that at some time before 1970 had been part of or partly owned by the Federal Government or other sponsored agencies: Federal National Mortgage Association, Federal Home Loan Mortgage Corporation, Federal home loan banks, Federal intermediate credit banks, banks for cooperatives, and Federal land banks. The sponsored agency figures also include mortgage pools backing securities guaranteed by the Government National Mortgage Association. Lending by the sponsored agencies is financed mainly by issues of their own securities to private investors, and in series X 74 these agency issues are brought into total credit holdings of private domestic lenders, shown in series X 75, and private holdings of Government securities, in series X 76. Some of these agency issues finance loans to financial intermediaries (series X 68) that are not part of the debt of nonfinancial sectors (series X 64) and such loans (series X 81) are excluded from net private holdings (series X 75). Foreign holdings (series X 73) are mainly official, such as at central banks, in recent years.

Private domestic holdings of credit instruments are partly in the portfolios of intermediaries (series X 82), and the volume of intermediation is a strong influence on the forms of credit supply. Intermediaries held far more, proportionately, in direct loans to business and housing than nonfinancial investors, whose portfolios of direct credit instruments consist mainly of securities issued in public markets. Hence a period of large credit flows through intermediaries is typically also a period when loan volume is large compared with net new security issues. Intermediary credit supply is heavily dependent on domestic deposit flows to banks and savings institutions, although these institutions also borrow directly in credit markets or from foreign sources to some extent. The relative importance of sources of intermediary funds is indicated in series X 87-93.

Direct lending in credit markets from nonfinancial groups in the private economy (series X 94) exhausts the total of credit outstanding, where, at this level, the total includes borrowing by public credit agencies (series X 74) and private intermediaries (series X 88) as well as nonfinancial sectors (series X 64). For these nonfinancial investors, credit instruments are part of a portfolio that includes deposits at intermediaries that appear earlier as sources of intermediary lending (series X 87). As private assets the deposits are shown beyond credit instrument holdings, together with currency claims on the Federal Reserve. A total portfolio of securities and deposits (series X 105) for private domestic nonfinancial investors appears at the end of this set of assets.

Corporate equity markets (series X 109-113) are excluded entirely from the preceding series on credit market instruments. Holding of equities are stated at year-end market values, and movements in holdings reflect to a large extent capital gains and losses, whether realized or unrealized, that result from market price movements.

X 114-262. General note.

These series present full financial statements for three major groups in the economy-households, business, and State and local govern-They include a variety of obligations that are not directly in the credit markets summarized in the preceding series, such as insurance claims and taxes payable.

X 114-191. General note.

These series consolidate trusts and nonprofit organizations with households mainly because data for a separation of the three groups have been lacking until recent years. From available information, trusts and nonprofit groups appear to hold less than 10 percent of the assets shown in series X 114-147, and their debts are mainly in nonresidential mortgages (series X 140). Apart from these institutional investors, the financial positions shown by series X 114-147 are aggregates for individuals as personal investors and borrowers.

These series omit assets and liabilities connected with noncorporate business, such as trade receivables, commercial and farm mortgages, and business loans from banks; noncorporate business finances are included in series X 192-228. In this respect, the household series shown here differ in coverage from those on individual savings (series F 566-594), which include noncorporate business.

The data for household saving and investment (series X 148-191) include as one item a net flow of equity funds from noncorporate proprietors as households into the business sector, but the assets and liabilities data (series X 114-147) exclude such equities because information is lacking on the value of physical assets of noncorporate business.

Apart from noncorporate equities, the assets and liabilities data give the financial asset and debt positions of households resulting from the investment flows shown by the saving and investment series.

X 114-147. Financial assets and liabilities of households, personal trusts, and nonprofit organizations, 1945-1970.

Source: See source for series X 1-23.

The total shown here for deposits and credit market instruments (series X 115) represents the household component of financial assets (series X 105) in the preceding sources of credit table. Other financial assets consist mainly of corporate equities and claims on life insurance and pension funds.

The credit market instruments liability (series X 138), comprising mainly home mortgages and consumer credit, represents the household component of debt (series X 19) shown in the summary credit table. Other liabilities are related mainly to borrowing for purchasing or carrying securities.

X 148-191. Saving and investment of households, personal trusts, and nonprofit organizations, 1946-1970.

Source: See source for series X 24-63.

Lending less borrowing in series X 114–147 is a measure of the net credit flow from households to other sectors through credit markets. Households are characteristically large net lenders to business and governments, either directly or through intermediaries (series X 165). This net lending is combined with purchases of houses, consumer durables, and nonprofit plant and equipment to give a total investment flow (series X 159) that is, by definition, equal to household saving out of current income (series X 158). Saving and investment are measured from different data sources, however, and a statistical discrepancy exists between them that is shown in series X 191. Series X 148–158 show the relation between personal saving in the national income accounts and gross saving as defined in these tables. The principal adjustments serve to capitalize outlays on consumer durables and growth of claims on government life insurance and employee retirement funds.

X 192-228. General note.

These series cover both corporate and noncorporate business, including farming. Financial sources of funds include net new share issues by corporations as well as net increases in debt claims outstanding. As equities, the share issues are excluded from the liabilities items (series X 199–206).

X 192-206. Financial assets and liabilities of nonfinancial business, 1945-1970.

Source: See source for series X 1-23.

Business financial assets (series X 192–197) are mainly liquidity balances—deposits and credit market instruments—and trade credit. Series X 193–195 are the business element of sources of funds to credit markets in series X 105. Trade credit (series X 196) is almost entirely held by and owed by business and is excluded from the credit market totals in data for debt of nonfinancial borrowers (series X 1–23) and for sources of credit market funds (series X 64–113). The largest component of miscellaneous assets (series X 197) is the direct investment position of corporations in foreign subsidiaries and branches.

Credit market debt (series X 199) is identical to series X 20. As mentioned above, most business trade debt is owed within the group to other firms. "Other" liabilities (series X 206) consist mainly of current accruals such as profit taxes accrued but not yet due.

X 207-228. Saving and investment of nonfinancial business, 1946-1970.

Source: See source for series X 24-63.

Total income before taxes (series X 207) is taken directly from the national income accounts (NIA) and consists of corporate profits and inventory valuation adjustment, proprietors' income from non-corporate business, and part of rental income of persons. Series X 207 excludes rental income that is imputed in national income accounts to owner-occupied houses. That income and all other flows associated with owner-occupied houses are included in the data for households (series X 114-191).

Business gross saving (series X 208) is mainly depreciation charges and other capital consumption allowances that are not cash outlays, but it also includes corporate retained profits after profit taxes and dividends. Noncorporate income is treated as though paid over entirely to proprietors in the household group, and no element of noncorporate retained income is included in the gross savings total. Capital expenditures (series X 211-215) are also from national income accounts (NIA) although not published in the NIA for exactly this group. Expenditures exclude purchases of houses by households, and plant and equipment outlays by nonprofit organizations and by financial business.

In almost all of the years since World War II business capital outlays have been somewhat larger than business gross saving (internal cash flow), and funds raised externally (series X 218) have been correspondingly higher than financial uses of funds (series X 217).

Series X 228 is a statistical discrepancy, the excess of gross saving over an independently measured gross investment total. An important source of this discrepancy is net land purchases, for which estimates are not yet available. These purchases are probably mainly from households and are offset by an equal and opposite element of the household discrepancy, series X 191 (see above).

X 229-262. General note.

Gross saving of State and local governments in series X 247 is the net surplus published in national income accounts less a retirement credit to households that removes employee retirement funds from this group. The retirement funds are viewed here as a form of financial institution parallel to private pension funds, and the data for State and local governments exclude their assets and activities. The basic source of information for these series is the annual surveys of governmental finances published by the Bureau of the Census. Census data are converted from a presumed mid-year fiscal basis to calendar-year estimates on the basis of quarterly data from other sources. Certain adjustments are included which integrate the financial data with national income definitions of the group and its nonfinancial transactions.

Credit market supply of funds by State and local governments included in series X 105 consists of data shown in series X 230-232. Credit market debt (series X 239) is identical with series X 18.

FLOW OF FUNDS X 229–392

X 229-244. Financial assets and liabilities of State and local governments. 1945-1970.

Source: See source for series X 1-23. See general note for series X 229-262.

X 245-262. Saving and investment of State and local governments, 1946-1970.

Source: See source for series X 24-63. See general note for series X 229-262.

X 263-392. General note.

These financial market data series cut across a different dimension of the economy's financial structure from the preceding series. The former are statements for selected institutional groups of transactions and balance sheet positions that relate to the nonfinancial activities of these groups. The market data series, on the other hand, beginning with series X 263-275, for example, indicate for selected types of financial instruments the institutional groups that acquired the claims as assets and that issued them as liabilities. Certain items, however, from the preceding series are repeated here. Corporate bonds held by households, for example, shown in series X 128 as a form of household asset, is shown in series X 345 as one of a set of group holdings of corporate bonds that together account for all of the bonds outstanding. Except in corporate equities, the financial market series present only assets and liabilities outstanding, and net flows to or from the markets can be closely deduced from yearly changes in outstandings. Corporate equities are a special case where changes in market values cause movements in values of holdings that are very different from net transactions. Both value of holdings and net flows are shown for equities.

X 263-275. Money supply, 1945-1970.

Source: See source for series X 1-23.

Demand deposits and currency are the principal means of payment in the U.S., and the amounts held outside banks and the U.S. Government constitute the narrowly defined money supply. These data show the ownership distribution of the money supply and the banking system liability for money and Government cash balances. The figures conform to the definition of money stock as published weekly by the Federal Reserve System, but they are for a single day of the year, December 31, rather than period averages. Series X 265-267, holdings by households, business, and State and local governments are repeated here for series X 116, X 193, and X 230, respectively. Money stock is also held by nonbank financial institutions and by foreigners. These holdings are presented as they appear on the balance sheets of the holder groups. A further element of money supply, shown here as "mail float" (series $X\ 270$), is not in the balance sheets of any holders. This float is made up of checks that have been deducted from the books of the check writers but are not yet included in the books of receivers. This is a float in addition to cash items in process of collection and Federal Reserve float, both of which have been deducted already in calculating total money supply. In addition to the money supply, the series presented also include U.S. Government cash balances (series X 271), which are mainly Treasury deposits, and include, in addition, cash and currency held by other agencies.

Liability for cash balances lies partly with the Federal Reserve and certain Treasury accounts, grouped together as "monetary authorities" (series X 272) and partly with commercial banks. The monetary authorities component is mainly currency outside banks but also includes Treasury and foreign official deposits at Federal Reserve Banks and Treasury holdings of currency. The commercial bank liability consists of demand deposits held by nonbanks, after deducting cash items in process of collection and Federal Reserve float.

X 276-292. Time deposits and savings accounts, 1945-1970.

Source: See source for series X 1-23.

Commercial banking liability includes passbook savings deposits and several types of deposit with specific maturity dates. These are shown here as negotiable certificates of deposit (CD's) of \$100,000 denomination or more and all others (series X 278 and X 279). The series cover ownership distributions on total time deposits, but not on negotiable CD's separately. Sources for time deposit ownership—mainly bank financial reports and corporate business statements—are inadequate for a separate allocation of CD holdings.

Deposits at nonbank savings institutions are held predominantly by households. In recent years these institutions have also started issuing certificates with stated maturities.

X 293-327. U.S. Government securities, 1945-1970.

Source: See source for series X 1-23.

The ownership estimates shown here cover all of the U.S. Government debt that appears in series X 2 except mortgages. In addition, they include the securities of federally sponsored credit agencies shown in series X 71. The sponsored-agency issues are financial intermediation that is excluded from the debt totals shown in series X 1-23, but they are part of the market for public and agency securities presented here. The sponsored credit agencies are listed in the text for series X 64-113. Almost all of the issues included here, other than sponsored agency securities, are part of public debt subject to statutory limitation, but the totals shown exclude securities held within the Government, such as by social security and civil service retirement funds, and are therefore substantially less than the total debt under ceiling, which includes these intragovernment holdings. Short-term Treasury issues (series X 296) include all marketable securities due within one year of the date shown plus a sliding proportion of those due within two years, as calculated by the Federal Reserve. "Other" Treasury issues (series X 297) are all longer-term marketable securities plus nonmarketable securities other than savings bonds. Budget agency issues and loan participation certificates (series X 299 and X 300) are borrowings by agencies other than the Treasury that became part of net borrowing from the public when the unified form of budget was introduced in 1969. Agency issues are mainly Tennessee Valley Authority and Export-Import Bank securities, and loan participations are obligations of Export-Import Bank, Government National Mortgage Association (GNMA), and a number of other agencies. They include Commodity Credit Corporation certificates up to 1970. For 1970 they also include insured notes sold by Farmers Home Administration, a form of claim that is not included in public borrowing in budget documents. Included in the totals for sponsored-agency debt outstanding are mortgagebacked securities guaranteed by GNMA.

All of the securities are shown at par values, both as liabilities and as assets. The estimates are based primarily on the Treasury Ownership Surveys that are published monthly in the *Treasury Bulletin*. Although definitions of the Government and forms of budget reporting changed substantially from 1945 to 1970 the figures shown here are all on a single definitional basis consistent with budget coverage in 1971. Sponsored-agency debt, for example, includes for all years debt of institutions that were in the group in 1971, even though some or all of the agencies were in the budget in earlier years.

While intragovernmental holdings of debt are excluded, asset holdings include Government investment in sponsored-agency issues, sponsored-agency investment in Government issues, and Federal Reserve holdings of both Treasury and agency securities (series X 302-304). Foreign holdings (series X 305) have in recent years been mainly in the hands of official institutions such as central banks.

The remaining asset holdings (series X 306) comprise the public debt held by private domestic investors and approximate the amount that must compete against other forms of credit for funds in the domestic market. Roughly one-quarter of this total is household savings bonds, Series E and H, shown on the debt side in series X 295.

Savings bonds were the major form of household Government securities for most of the period covered. For other domestic groups, holdings were predominantly marketable Treasury issues, although agency securities increased rapidly toward the end of the period. Household, business, and State and local government holdings (series X 310-312) are duplicated here for series X 121, X 195, and X 233, and in total for series X 95.

X 328-378. Bonds and mortgages, 1945-1970.

Source: See source for series X 1-23.

These data present ownership of the principal forms of private long-term credit instruments, including State and local government securities. Holdings for all groups except households are based on balance sheet tabulations by Government agencies, trade associations, or private research organizations. Household assets are in each case calculated residually by subtracting holdings reported for other groups from the totals outstanding. This procedure puts a questionable valuation on household security assets. While most of the liability totals are stated at par values, the institutional holdings subtracted are book values which represent a mixture of par, cost, and amortized cost values. The resulting distortions in household asset values are probably not large but should be borne in mind.

The totals for debt outstanding come from a variety of sources. For State and local government securities they are taken from the annual surveys of governmental finances published by the Bureau of the Census, with adjustments to shift fiscal-year totals to a December 31 basis. Borrowings by State and local governments from the Federal Government (series X 338) are removed from the total as a separate form of debt. Totals for corporate bonds outstanding are essentially cumulations of net new issues published by the Securities and Exchange Commission, starting from a base total of bonds outstanding in 1944. Foreign bonds held in the U.S. are from balance of payments statistics and are at market value. Mortgage totals are derived mainly from tabulated reports of institutional lenders, with an allowance included for lender groups not covered by the tabulations. The totals are assembled jointly by the Commerce Department, the Federal Home Loan Bank Board, and the Federal Reserve.

Mortgage debt shown for savings and loan associations consists of loans still in process of disbursement. Such loans are included in the associations' assets at their full committed amount. U.S. Government mortage debt is on residential properties acquired by the Defense Department and Coast Guard. These mortgages appear in the Treasury Ownership Survey in the Treasury Bulletin as "non-surveyed Government agency securities." They are included in the U.S. Government debt total (series X 2) but not in total Government securities outstanding (series X 293).

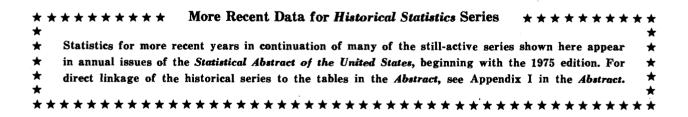
Household mortgage debt is entirely on owner-occupied residences. Nonfarm business mortgages are mainly on multi-family rental residential structures and commercial properties. They include small amounts of single-family debt that represent construction loans to builders.

X 379-392. Summary of corporate equities market, 1945-1970.

Source: Board of Governors of the Federal Reserve System, Flow of Funds Accounts: Financial Assets and Liabilities Outstanding, 1945-1971; Flow of Funds Accounts: Annual Flows, 1946-1971; and unpublished data.

Holdings of corporate shares are shown here at current market values, based mainly on Securities and Exchange Commission (SEC) tabulations for shares listed on stock exchanges. Movements in these values have been much larger relative to net cash transactions than for debt securities shown in preceding series, and for this market the net transactions are shown separately here. Total market values are as calculated at the Federal Reserve for all shares except openend investment companies ("mutual funds"). The investment company total is for members of the Investment Company Institute (ICI). The totals include preferred as well as common shares. Purchases of domestic shares represent net new issues and are from the SEC and ICI. U.S. purchases of foreign shares in series X 392 represent net foreign issues, both new and existing, as shown in balance of payments publications.

For financial institutions most of the market values of holdings and net transactions are regularly reported either to trade associations or to the SEC. As in preceding series, household assets and net transactions are calculated residually. The figures indicate that in the later years shown, net purchases by life insurance companies and pension funds were larger than total new issues, while households received more from sales out of their equity portfolios than they paid for new share purchases. These net sales are shown here as negative net purchases and represent household funds transferred out of equities into other uses.



FLOW OF FUNDS X 1-23

Series X 1-23. Debt of Nonfinancial Borrowers: 1945 to 1970

						Other	nonfinancial s	ectors			
							By type	of claim			
	Total debt	U. S. Government					Debt capital	instruments			
Year			Total		State and local	Corporate and			Mortgages		
				Total	government securities	foreign bonds	Total	Home mortgages	Other residential	Commercial	Farm
	1	2	3	4	5	6	7	8	9	10	11
1970	1,459.5 1,364.4 1,278.4 1,179.7 1,099.9	301.4 288.6 292.2 278.8 265.8	1,158.2 1,075.9 986.2 900.9 834.1	774.5 713.1 665.1 614.1 569.0	146.2 132.4 124.4 114.4 106.0	181.1 159.4 147.3 133.5 118.6	447.2 421.3 393.4 366.3 344.4	275.6 262.8 247.1 232.1 220.6	58.0 52.2 47.3 43.9 40.3	82.3 76.9 71.4 64.8 60.1	31.2 29.5 27.5 25.5 23.3
1965 1964 1963 1962 1961	1,033.8 963.3 896.6 838.5 785.2	262.2 260.4 254.1 250.2 243.1	771.7 702.9 642.4 588.3 542.0	530.0 490.7 453.8 417.9 385.4	100.3 93.0 87.3 81.4 76.1	108.0 101.6 96.6 91.7 86.1	321.7 296.1 269.9 244.9 223.2	208.9 193.5 177.9 162.7 150.0	37.2 33.6 29.0 25.8 23.0	54.5 50.0 46.2 41.1 36.4	21.2 18.9 16.8 15.2 13.9
1960 1959 1958 1957 1956	741.0 705.4 656.2 617.2 589.0	235.9 238.0 230.9 221.6 223.8	505.1 467.4 425.3 395.6 365.2	356.2 331.0 303.0 276.5 253.3	70.8 65.6 59.5 54.0 49.6	80.9 76.7 73.4 66.9 60.2	204.4 188.7 170.1 155.6 143.6	138.8 128.7 116.0 106.7 98.1	20.3 18.7 16.8 15.3 14.9	32.4 29.2 26.1 23.2 20.7	12.8 12.1 11.1 10.4 9.8
1955 1954 1953 1952 1951	561.6 525.7 500.1 470.7 442.0	229.6 230.4 228.0 220.9 216.1	332.0 295.3 272.1 249.7 225.9	231.1 207.2 185.4 167.9 151.6	45.8 40.6 34.6 30.2 27.4	56.3 53.7 50.1 46.8 42.3	129.0 112.9 100.7 90.9 81.9	87.3 74.9 65.6 58.0 51.4	14.3 13.5 12.9 12.3 11.5	18.3 16.3 14.5 13.4 12.5	9.0 8.2 7.7 7.2 6.7
1950 1949 1948 1947 1946	418.1 395.7 379.3 366.2 350.3	216.5 217.7 215.1 220.8 228.0	201.6 178.0 164.2 145.4 122.3	135.2 121.7 109.6 96.0 84.7	25.2 21.9 19.3 17.2 15.7	37.4 37.4 34.3 30.2 27.3	72.5 62.4 56.0 48.7 41.7	44.9 37.3 33.0 28.0 22.9	10.1 8.6 7.5 6.6 6.1	11.5 10.8 10.2 9.1 7.7	6.1 5.6 5.3 5.1 4.9
1945	356.3	251.5	104.8	77.6	15.7	26.4	35.5	18.6	5.7	6.4	4.8

						Other nonfin	ancial sectors	Con.				
		By ty	pe of claim—	Con.				Ву 1	orrowing se	ctor		
Year		Oth	er private cre	dit			State			Nonfinanci	al business	
	Total	Bank loans ¹	Consumer credit	Open- market paper	Other	Foreign	and local governments	Households	Total	Corporate	Nonfarm non- corporate	Farm
	12	13	14	15	16	17	18	19	20	21	22	23
1970	383.7 362.8 321.1 286.8 265.1	149.8 145.0 128.0 114.1 104.3	126.8 122.5 113.2 102.1 97.5	16.1 12.3 9.0 7.4 5.2	91.0 83.1 70.9 63.2 58.1	51.1 47.6 45.8 43.1 40.2	151.1 137.1 128.4 117.9 109.5	463.2 440.6 407.9 375.8 356.2	492.8 450.5 404.0 364.1 328.3	368.1 335.3 299.4 268.6 241.3	76.4 70.1 62.7 56.2 51.2	48.3 45.1 41.9 39.2 35.8
1965 1964 1963 1962 1961	241.7 212.2 188.6 170.4 156.7	93.9 79.8 70.4 64.0 59.5	90.3 80.3 71.7 63.8 58.0	4.2 4.5 3.9 3.8 3.8	53.3 47.7 42.6 38.7 35.4	39.4 36.6 30.9 27.7 25.4	103.1 95.5 89.5 83.4 77.5	333.8 305.1 277.2 252.4 231.6	295.4 265.7 244.9 224.8 207.5	217.3 196.7 183.8 170.8 159.0	45.8 40.0 34.7 30.2 26.9	32.3 29.0 26.4 23.9 21.6
1960	148.9 136.4 122.3 119.1 111.9	56.6 53.4 47.3 45.7 43.6	56.1 51.5 45.1 45.0 42.3	2.8 1.5 1.8 1.7 1.3	33.4 30.0 28.1 26.7 24.7	23.2 21.2 20.5 18.7 17.3	72.1 66.6 60.4 54.7 50.1	216.3 198.6 177.2 166.1 153.2	193.5 181.0 167.2 156.1 144.6	149.0 139.1 129.6 121.5 111.9	24.6 22.9 20.6 19.0 18.0	20.0 18.9 17.0 15.6 14.6
1955 1954 1953 1952 1951	100.9 88.1 86.6 81.9 74.3	37.2 31.5 31.2 32.1 29.9	38.8 32.5 31.4 27.5 22.7	.9 1.3 .9 .8 .8	24.0 22.8 23.2 21.4 21.0	16.5 16.4 16.0 14.9 14.6	46.3 41.1 35.4 31.3 28.2	137.1 117.4 106.3 93.8 82.7	132.1 120.5 114.4 109.8 100.4	101.5 93.1 88.6 84.4 77.0	16.9 15.1 14.2 13.7 12.5	13.7 12.3 11.5 11.6 10.8
1950 1949 1948 1947 1946	66.5 56.4 54.7 49.4 37.6	24.8 19.9 22.0 21.3 17.2	21.5 17.4 14.4 11.6 8.4	.6 .4 .4 .4	19.6 18.7 17.8 16.0 11.6	12.7 14.2 13.6 12.5 8.0	25.8 22.4 19.9 17.7 16.2	73.0 59.7 51.8 43.1 35.2	90.1 81.8 79.0 72.2 62.9	69.0 63.3 61.6 56.0 48.6	11.6 10.0 9.3 8.7 7.3	9.5 8.5 8.1 7.4 7.0
1945	27.2	12.3	5.7	.2	9.0	5.1	16.2	28.1	55.5	42.9	6.0	6.6

¹ Not elsewhere classified.

FINANCIAL MARKETS AND INSTITUTIONS

Series X 24-63. Funds Raised in Credit Markets by Nonfinancial Sectors: 1946 to 1970
[In billions of dollars]

						Other	nonfinancial s	ectors	·		
							By type	of claim			
	Total debt	U.S. Government					Debt capital	instruments			
Year			Total		State and local	Corporate and			Mortgages		
,				Total	government securities	foreign bonds	Total	Home mortgages	Other residential	Commercial	Farm
	24	25	26	27	28	29	30	31	32	33	34
1970 1969 1968 1967 1966	94.7 86.9 98.5 81.0 67.7	12.8 -3.6 13.4 13.0 3.6	81.9 90.6 85.1 68.0 64.1	60.8 49.0 51.3 46.2 39.0	13.8 7.9 10.1 8.3 5.7	21.1 13.1 14.0 15.9 11.0	25.8 27.9 27.3 22.0 22.3	12.8 15.7 15.2 11.6	5.9 4.8 3.5 3.6 3.1	5.4 5.5 6.6 4.7 5.7	1.8 1.9 2.1 2.1 2.1
1965 1964 1963 1962 1961	70.1 66.2 58.2 52.8 44.1	1.8 6.3 4.0 7.0 7.2	68.3 59.9 54.2 45.8 36.9	38.8 36.3 35.9 82.6 29.1	7.3 5.7 5.9 5.3 5.2	5.9 4.5 4.9 5.5 5.1	25.6 26.1 25.1 21.7 18.8	15.4 15.6 15.1 12.8 11.1	3.6 4.5 3.2 2.8 2.6	4.4 3.8 5.1 4.8 4.0	2.2 2.1 1.6 1.3 1.1
1960 1959 1958 1957 1956	35.4 49.5 39.1 28.1 27.5	$\begin{array}{c} -2.1 \\ 7.1 \\ 9.3 \\ -2.2 \\ -5.8 \end{array}$	37.4 42.4 29.8 30.4 33.3	25.0 28.1 26.6 23.2 22.3	5.2 6.1 5.5 4.4 3.8	4.0 3.4 6.6 6.8 3.9	15.7 18.6 14.5 12.0 14.6	10.1 12.7 9.3 8.6 10.8	1.7 1.8 1.5 .5	3.2 3.1 2.9 2.4 2.4	1.0 .7 .6 .8
1955 1954 1953 1952 1951	36.0 25.5 28.0 28.9 22.6	8 2.4 7.0 4.9 4	36.8 23.1 20.9 24.0 23.0	23.9 21.6 17.5 16.4 15.2	5.2 6.0 4.4 2.7 2.2	2.6 3.4 3.2 4.7 3.6	16.1 12.1 9.9 9.0 9.4	12.4 9.3 7.5 6.7 6.5	.8 .5 .6 .8 1.3	2.0 1.7 1.2 .9 1.0	.8 .5 .6 .6
1950 1949 1948 1947 1946	24.3 16.1 13.0 15.8 -5.4	$\begin{array}{c} -1.2 \\ 2.6 \\ -5.7 \\ -7.2 \\ -23.4 \end{array}$	25.4 13.6 18.7 23.0 18.0	15.3 11.9 13.8 11.3 7.1	3.3 2.6 2.2 1.4	1.9 2.9 4.4 2.8	10.1 6.4 7.2 7.1 6.1	7.5 4.3 5.0 5.1 4.3	1.5 1.2 .9 .5	.6 .7 1.1 1.3 1.3	.5 .3 .2 .2

					Ot	ther nonfinan	cial sectors—	Con.					
		Ву	type of claim-	-Con.				Ву	borrowing se	ctor			Net new
Year		O	ther private c	redit			State			Nonfinanci	al business		corporate share issues
	Total	Bank loans 1	Consumer credit	Open- market paper	Other	Foreign	and local governments	Households	Total	Corporate	Nonfarm non- corporate	Farm	
	35	36	37	38	39	40	41	42	43	44	45	46	47
1970 1969 1968 1967 1966	21.1 41.6 33.8 21.8 25.1	5.0 16.8 13.8 9.9 10.4	4.3 9.8 11.1 4.6 7.2	3.8 3.3 1.6 2.1 1.0	8.0 12.2 7.3 5.2 6.4	3.0 2.9 2.9 4.0 1.6	13.9 8.7 10.4 8.5 6.4	22.4 32.4 81.9 19.7 23.2	42.7 46.6 40.0 35.8 33.0	33.0 36.0 31.6 27.4 24.0	6.4 7.5 5.7 5.0 5.5	3.2 3.2 2.7 3.5 3.5	6.8 4.8 7 2.4 .9
1965 1964 1963 1962 1961	29.5 23.7 18.4 13.3 7.8	14.1 9.4 6.4 4.5 2.9	10.0 8.5 7.9 5.8 1.8	3 .7 (Z) 1.0	5.7 5.1 4.1 2.8 2.0	2.2 4.9 8.6 1.8 2.2	7.6 6.0 6.1 5.8 5.5	28.8 27.9 24.8 20.8 15.3	29.6 21.2 19.7 17.4 18.9	20.6 13.2 12.6 11.8 10.0	5.7 5.3 4.5 3.3 2.3	3.3 2.6 2.6 2.3 1.6	1.6 2 .6 2.8
1960 1959 1958 1957 1956	12.4 14.3 3.2 7.2 11.0	3.2 6.4 1.5 2.1 6.5	4.6 6.4 .2 2.6 3.5	1.3 4 .1 .4	3.3 1.9 1.4 2.1	1.8 .7 2.0 1.3	5.4 6.3 5.7 4.6 3.9	17.7 21.5 11.0 12.9 16.1	12.5 14.0 11.1 11.6 12.5	9.8 9.6 8.2 9.5 10.5	1.7 2.4 1.6 1.0 1.2	1.0 1.9 1.4 1.1 .9	1.7 2.4 2.4 2.5 2.4
1955 1954 1953 1952 1951	12.9 1.5 3.4 7.5 7.9	$\begin{array}{c} 5.6 \\ .4 \\ -1.0 \\ 2.2 \\ 5.1 \end{array}$	6.4 1.1 3.9 4.8 1.2	4 .4 .1 .1	1.3 4 .4 .4 1.4	.2 .2 .1 .4 .5	5.2 5.7 4.1 3.1 2.4	19.7 11.1 12.5 12.2 9.7	11.7 6.1 4.3 8.3 10.3	8.5 4.5 3.9 6.4 8.1	1.8 .9 .5 1.1	1.4 .8 1 .8 1.3	2.1 1.8 1.8 2.4 2.0
1950 1949 1948 1947 1946	10.1 1.7 4.9 11.7 11.0	$ \begin{array}{r} 4.9 \\ -2.1 \\ .8 \\ 4.0 \\ 5.0 \end{array} $	4.1 2.9 2.8 3.2 2.7	(Z) .2 (Z) .1 .1	1.0 .8 1.8 4.4 3.2	.2 .3 1.3 4.4 3.4	8.4 2.5 2.2 1.4 (Z)	13.3 7.9 8.7 7.8 7.1	8.5 2.9 6.4 9.4 7.5	5.8 1.8 5.3 7.5 5.8	1.7 .7 .5 1.4 1.4	1,1 ,4 ,7 ,5 ,4	1.4 1.3 1.1 1.2 1.1

Series X 24-63. Funds Raised in Credit Markets by Nonfinancial Sectors: 1946 to 1970—Con. [In billions of dollars]

					Pri	vate dome	estic net in	vestment	and borro	owing in c	redit mark	ets				
		Househ	olds and b	ousiness				Busi	ness]	Household	3	
Year	Caj	oital outla	ys ²	!		Caj	oital outla	ys ²				Caj	pital outla	ys ²		
T Cal	Total	Capital con- sump- tion 3	Net physical invest- ment	Net funds raised	Excess net invest- ment 4	Total	Capital con- sump- tion 3	Net physical invest- ment	Net debt funds raised	Corpor- ate equity issued	Excess net invest- ment ⁴	Total	Capital con- sump- tion 3	Net physical invest- ment	Net funds raised	Excess net invest- ment 4
	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
1970 1969 1968 1967 1966	225.5 227.1 208.7 188.7 191.2	164.9 154.4 140.4 128.4 118.5	60.6 72.7 68.3 60.3 72.7	71.8 83.3 71.0 57.9 57.3	$\begin{array}{c} -11.2 \\ -10.6 \\ -2.7 \\ 2.4 \\ 15.4 \end{array}$	110.1 109.3 99.0 94.0 97.0	73.6 69.5 63.2 58.5 54.2	36.6 39.7 35.8 35.6 42.8	42.7 46.6 40.0 35.8 33.0	6.8 4.3 8 2.3 1.2	$ \begin{array}{r} -12.9 \\ -11.2 \\ -3.3 \\ -2.5 \\ 8.7 \end{array} $	115.3 117.8 109.7 94.6 94.2	91.3 84.8 77.2 69.9 64.3	24.0 33.0 32.5 24.7 29.9	22.4 32.4 31.9 19.7 23.2	1.6 .6 .6 5.0 6.7
1965 1964 1963 1962 1961	173.6 152.4 140.1 131.9 115.2	110.3 103.2 96.8 92.1 85.9	63.3 49.2 43.3 39.8 29.3	58.5 50.4 44.1 38.7 31.7	$egin{array}{c} 4.9 \\ -1.2 \\9 \\ 1.1 \\ -2.5 \end{array}$	84.1 70.2 63.8 60.4 50.4	50.5 47.3 44.4 42.3 38.1	33.6 22.9 19.4 18.1 12.3	29.6 21.2 19.7 17.4 13.9	(Z) 1.4 3 .6 2.5	4.0 .3 (Z) .2 -4.1	89.6 82.2 76.3 71.5 64.7	59.9 55.9 52.4 49.8 47.8	29.7 26.3 23.9 21.7 16.9	28.8 27.9 24.8 20.8 15.3	.9 -1.6 9 .9 1.6
1960	119.6 118.9 98.2 108.0 108.4	83.0 79.6 75.8 72.5 66.7	36.6 39.2 22.4 35.5 41.7	31.8 37.7 24.2 26.9 30.9	4.8 1.5 -1.8 8.6 10.8	51.8 50.6 40.5 46.8 47.2	36.7 35.2 33.1 31.8 29.3	15.1 15.4 7.4 15.0 17.9	12.5 14.0 11.1 11.6 12.5	1.6 2.2 2.1 2.4 2.3	1.0 8 -5.8 1.0 3.1	67.8 68.3 57.7 61.2 61.2	46.3 44.5 42.6 40.8 37.4	21.5 23.8 15.0 20.5 23.8	17.7 21.5 11.0 12.9 16.1	3.8 2.3 4.0 7.6 7.7
1955 1954 1953 1952 1951	106.4 84.1 85.5 80.8 88.7	60.9 55.9 52.3 48.7 45.1	45.6 28.1 33.3 32.1 43.5	33.4 18.8 18.6 22.8 21.9	12.2 9.4 14.7 9.3 21.6	43.8 32.6 34.6 34.8 41.7	27.1 24.4 22.2 20.1 18.4	16.7 8.2 12.4 14.7 23.3	11.7 6.1 4.3 8.3 10.3	1.9 1.6 1.8 2.3 1.9	3.1 .5 6.3 4.1 11.1	62.6 51.5 50.9 46.0 46.9	33.8 31.5 30.0 28.6 26.8	28.9 19.9 20.9 17.4 20.2	19.7 11.1 12.5 12.2 9.7	9.1 8.9 8.4 5.2 10.5
1950 1949 1948 1947 1946	84.3 60.0 68.4 54.2 46.5	38.5 34.0 29.9 25.0 19.8	45.8 26.0 38.5 29.2 26.7	23.2 12.1 16.2 18.4 15.6	22.6 14.0 22.3 10.8 11.1	36.7 23.4 32.6 24.8 24.7	15.9 14.4 12.5 10.4 8.3	20.8 9.0 20.1 14.4 16.4	8.5 2.9 6.4 9.4 7.5	1.4 1.3 1.0 1.2	10.9 4.8 12.6 3.8 7.9	47.5 36.6 35.8 29.4 21.8	22.5 19.6 17.4 14.6 11.5	25.0 17.0 18.4 14.8 10.2	13.3 7.9 8.7 7.8 7.1	11.7 9.1 9.7 7.0 3.1

Z Less than \$50 million, or less than -\$50 million. ¹ Not elsewhere classified. ² Capital outlays are totals for residential and nonresidential fixed capital, net change in inventories, and consumer durables, except outlays by financial business.

Sources of Credit Market Funds: 1945 to 1970 [In billions of dollars. As of December 31] Series X 64–113.

						Cr	edit mar	ket debt	claims a	gainst no	onfinanci	al sectors						
				Holdin	gs by pul	olic agen	cies and	foreign h	oldings					Private (domestic	holdings	1	
			U.S. Gov-	Resi-	FHLB ad-	Other		Вуа	gency		Agency		u.s.		Corpor-			mort- loans
Year	Total	Total	ern- ment secu- rities	dential mort- gages	vances to savings and loan	loans and secu- rities	U.S. Gov- ern- ment	Spon- sored credit agen- cies	Federal Reserve	Foreign	debt (ex- cluded	Total	Gov- ern- ment secu- rities	Munic- ipal secu- rities		Resi- dential mort- gages	Total	Less FHLB ad- vances
	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
1970 1969 1968 1967	1,459.5 1,364.4 1,278.4 1,179.7 1,099.9	190.1 161.6 146.8 134.4 123.4	69.5	25.5 19.7 15.1 12.3 10.2	9.3 5.3 4.4	67.9 62.2 56.9 51.6 46.9		45.4 35.6 26.5 23.3 23.4	62.2 57.2 53.0 49.3 44.5	16.1	30.6 21.9 18.4	1,308.8 1,233.5 1,153.5 1,063.7 995.5	253.1 247.3 242.6 229.3 223.6	124.4 114.4	159.0 146.4 132.5	281.0 265.4	431.0 407.3 364.2 326.5 303.0	9.3 5.3 4.4
1965 1964 1963 1962 1962	1,033.8 963.3 896.6 838.5 785.2	112.0 103.3 95.5 89.0 81.6	52.2 48.7 44.9	7.4 7.1 7.2 8.5 8.4	5.3 4.8 3.5	42.6 38.7 34.8 32.1 29.2	36.9 34.1 31.4 30.0 27.5	18.3 16.0 15.3 13.7 12.1	41.0 37.2 33.8 30.9 28.9	15.9 15.0 14.4	11.5 10.1	936.0 872.1 812.6 759.5 712.2	218.2 218.3 215.1 213.5 208.8	87.3 81.4	95.9 91.0		195.3	5.3 4.8 3.5
1960	741.0 705.4 656.2 617.2 589.0	77.0 72.8 65.4 61.5 59.7	38.0 34.6	5.3 5.2	2.1 1.3 1.3	27.4 25.5 24.3 22.8 21.6	25.9 24.9 23.1 21.6 20.9	11.1 9.9 7.7 7.4 6.1	27.5 26.7 26.4 24.3 25.0	11.3 8.3 8.2	5.0	671.9 639.9 595.7 560.6 533.1	203.1 206.3 200.7 194.1 194.4	70.8 65.6 59.5 54.0 49.6	76.2 73.0 66.5	$141.1 \\ 128.1$		$\begin{array}{c} 2.1 \\ 1.3 \\ 1.3 \end{array}$
1955	561.6 525.7 500.1 470.7 442.0	56.7 54.3 54.8 50.9 47.3	30.6 31.0 29.2	3.0 3.0 2.6	.9 1.0 .9	19.8 18.2	19.9 18.0	5.0 4.0 3.7 3.6 3.5	25.1 25.9 24.7	6.5 5.6 5.2 4.6 3.5	$\frac{2.1}{2.1}$	508.0 473.5 447.4 421.9 396.8	201.9 199.0 193.8	45.8 40.6 34.6 30.2 27.4	53.5	98.2 85.3 75.5 67.7 60.7	89.4 84.5	1.0
1950	418.1 395.7 379.3 366.2 350.3 356.3	41.2 38.1 35.3	21.2 25.4 24.0 25.6	1.2 .7 .6	.4 .5 .4	15.4 14.6 13.0 8.7	14.5 13.1 11.8 7.5	2.7 2.3 2.1	23.5 22.6 23.5	3.4 2.2 1.9 1.4 2.1 3.1	1.4 1.6	329.3 316.3	194.1 197.9 191.3 198.0 203.6 225.2	25.2 21.9 19.3 17.2 15.7	34.2 30.0 27.1	53.5 44.8 39.8 34.0 28.3 23.4		.4 .5 .4 .3

Capital consumption includes amounts for consumer durables and excludes financial business capital consumption.
 Excess of net investment over net funds raised.

FINANCIAL MARKETS AND INSTITUTIONS

Series X 64-113. Sources of Credit Market Funds: 1945 to 1970—Con.

-					Private 1	inancial	intermed	iation					Pri	ivate do	nestic no	nfinancia	al invest	ors
			t market te financ					Source	es of fund	ls				Cred	lit marke	et claims		
			<u> </u>	<u> </u>	1	-				Other		!		U. S.		Cor-		
Year	Total	Com- mer- cial banks	Sav- ings insti- tutions	Insur- ance and pension funds	Other	Domes- tic de- posits	Credit market debt	Total	Foreign funds	Treas- ury bal- ances	Insur- ance and pension re- serves	Other, net	Total	Gov- ern- ment secu- rities	Munic- ipal secu- rities	por- ate and foreign bonds	Com- mer- cial paper	Other
	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
1970 1969 1968 1967 1966	1,054.9 984.8 929.7 854.9 792.1	444.4 412.9 393.4 354.4 318.4	221.6 206.1	259.7 245.8	68.7 64.2 55.1 48.5 49.0	551.5 505.3	74.7 72.9 55.7 48.8 49.3	300.8	32.9 23.6	7.9 5.1 5.0 5.2 5.0	242.1 228.3 216.7 206.4 195.3	91.3 91.7 77.3 68.2 67.7	328.7 321.6 279.4 257.7 252.8	135.2 142.8 126.8 119.1 120.5	44.1 43.8	34.3 26.8 21.7	21.9 23.1 14.4 10.0 8.5	
1965 1964 1963 1962 1961	748.2 685.7 628.7 579.1 531.0	302.5 273.4 250.0 232.6 213.5	168.7 152.5 135.1	218.3 204.7 192.3 180.7 169.4	44.4 38.9 34.0 30.7 27.0	363.3 331.3	46.4 39.6 34.7 28.5 24.7			5.5 6.5 6.5 7.2 5.9	159.7 150.2	64.0 57.6 52.7 51.5 48.0	234.2 226.0 218.5 208.9 205.9	111.7 109.5 108.5 104.3 102.9		11.9	6.5 6.0 4.4 3.5 3.0	56.8 54.9 53.1
1960 1959 1958 1957 1956	493.1 461.3 432.7 400.7 377.7	198.6 189.8 184.5 169.6 164.3	99.8	159.4 149.7 139.7 130.8 121.8	25.9 22.0 19.1 19.9 18.3	264.2 253.4 232.9	22.7 20.1 16.3 16.6 15.4	192.0 177.0 163.0 151.2 140.3	8.0 7.0	5.9 5.1 4.3 3.9 3.7		44.2 39.4 34.3 30.8 28.0	201.5 198.7 179.3 176.6 170.9	103.8 108.9 96.3 98.9 99.0	27.6	9.1	2.4 1.1 1.2 1.4 1.3	39.6
1955 1954 1953 1962 1951	355.4 330.5 305.7 285.6 262.4	158.3 153.8 144.3 140.4 131.2	57.7	113.4 105.0 96.5 88.0 80.5	17.8 14.0 13.5 11.7 10.2	200.3	15.0 10.4 9.9 8.2 6.8	129.4 119.8 109.3 100.3 89.8	5.9 5.8	3.7 4.2 4.1 4.9 3.4	93.9 87.1 80.8 74.1 68.1	25.2 21.8 18.5 15.5 13.1	167.6 153.5 151.6 144.5 141.2	96.8	19.4 16.8 14.4	6.3 6.3 6.3	1.2 1.0 1.0 .7	32.4 30.8 29.3
1950 1949 1948 1947 1946	246.5 229.5 214.9 207.8 197.5	124.2 117.9 112.1 114.3 111.1	37.5 34.2 31.7 29.5 26.9	74.8 68.8 63.5 58.0 53.4	10.0 8.6 7.6 6.0 6.1	147.6	6.3 4.5 3.6 2.4 1.6	85.1 77.4 66.7 61.3 59.1	3.8	2.8 3.1 2.3 1.3 3.0	63.1 58.2 54.2 50.0 46.3	13.7 11.3 5.6 6.1 5.6	137.2 133.8 128.4 124.0 120.4		11.7 10.7 9.6	7.9	.4 .5 .3 .2	23.5 22.0
1945	196.9	117.6	24.0	48.8	6.5	123,1	.8	73.0	4.8	24.5	42.9	.8	126.4	92.0	9.4	9.8	(Z)	15.1

		Private dor	mestic nonfi	nancial inve	stors—Con.						Co	rporate equi	ties	
		Depo	sits and cur	rency		Total	Public support	Private financial	Total	1	Market value	е		
Year		Time and		Money		instru- ments, deposits	rate (percent)	inter- mediation (percent)	foreign funds		Mutual	Other	Held by financial institutions	Other holdings
	Total	savings accounts	Total	Demand deposits	Currency	and currency				Total	fund shares	equities		
	100	101	102	103	104	105	106	107	108	109	110	111	112	113
1970 1969 1968 1967 1966	664.3 600.5 595.2 546.6 495.2	459.2 402.8 405.1 371.2 332.0	205.2 197.7 190.1 175.4 163.2	155.1 151.1 146.4 134.1 124.0	50.0 46.6 43.7 41.3 39.2	993.0 922.1 874.6 804.2 748.0	13.0 11.8 11.5 11.4 11.2	80.6 79.8 80.6 80.4 79.6	50.2 47.8 39.7 37.0 33.0	928.8 931.9 1,035.8 889.6 700.7	47.6 48.3 52.7 44.7 34.8	881.2 883.6 983.2 844.9 665.9	147.0 138.3 141.9 119.5 92.6	781.8 793.7 894.0 770.1 608.1
1965 1964 1963 1962 1961	473.1 432.5 396.0 362.3 331.8	312.8 280.1 251.0 222.3 194.2	160.3 152.4 145.0 140.0 137.7	123.1 117.8 112.3 109.0 107.4	37.2 85.1 32.7 31.0 30.2	707.3 658.5 614.5 571.3 537.8	10.8 10.7 10.7 10.6 10.4	79.9 78.6 77.4 76.2 74.6	30.9 30.2 26.8 24.7 22.8	778.0 684.1 597.0 505.7 574.0	35.2 29.1 25.2 21.3 22.9	742.8 655.0 571.8 484.4 551.1	96.5 81.6 69.7 57.5 60.6	681.6 602.5 527.4 448.2 513.4
1960 1959 1958 1957 1956	307.9 293.8 282.4 261.4 250.4	173.7 158.5 147.6 131.8 119.3	134.2 135.3 134.8 129.6 131.1	104.7 105.7 105.9 101.1 102.6	29.5 29.6 28.9 28.5 28.5	509.5 492.5 461.7 437.9 421.4	10.4 10.3 10.0 10.0 10.1	73.4 72.1 72.6 71.5 70.8	21.0 18.6 16.2 15.2 14.6	451,0 454,0 418,0 299,0 338,0	17.0 15.8 13.2 8.7 9.0	434.0 438.2 404.7 290.3 328.9	45.6 41.9 35.7 25.2 25.6	405.4 412.1 382.3 273.8 312.4
1955 1954 1953 1952 1951	239.5 228.3 214.7 204.7 192.3	109.7 101.1 91.1 82.5 74.6	129.8 127.3 123.6 122.2 117.7	101.4 99.2 95.3 94.5 91.2	28.5 28.0 28.3 27.7 26.5	407.1 381.8 366.3 349.2 333.5	10.1 10.3 11.0 10.8 10.7	70.0 69.8 68.3 67.7 66.1	13.1 12.3 11.1 10.4 8.7	317.0 258.0 179.0 186.0 170.0	7.8 6.1 4.1 3.9 3.5	309.2 251.9 174.9 182.1 166.5	23.7 17.7 12.9 11.8 10.2	293.3 240.3 166.1 174.2 159.8
1950 1949 1948 1947 1946	180.8 173.2 170.9 170.7 163.6	69.6 67.0 64.2 61.6 58.0	111.1 106.2 106.8 109.1 105.6	85.5 80.7 80.5 82.4 78.7	25.6 25.6 26.2 26.7 26.9	317.9 307.0 299.3 294.7 284.0	10.2 9.7 10.9 10.4 10.1	65.3 64.0 63.3 63.1 62.4	8.9 7.0 6.4 5.2 6.4	146.0 120.0 108.0 109.0 111.0	3.3 3.1 1.5 1.4 1.3	142.7 116.9 106.5 107.6 109.7	9.3 8.0 5.5 5.2 4.9	136.7 112.0 102.5 103.8 106.1
1945	149.8	51.5	98.2	71.6	26.6	276.2	9.7	61.1	7.9	119.0	1.3	117.7	4.7	114.8

Z Less than \$50 million.

Series X 114-147. Financial Assets and Liabilities of Households, Personal Trusts, and Nonprofit Organizations: 1945 to 1970

						Financia	l assets					
					Γ	eposits and c	redit marke	t instrumer	nts			
				Sa	vings accou	nts		(Credit market	instrument	8	·
Year	Total	Total	Demand deposits and		Commer-	Savings			U.S. Go	vernment se	curities	
			currency	Total	cial banks	institutions	Total	Total	Short-term	Other direct	Agency issues	Savings bonds
	114	115	116	117	118	119	120	121	122	123	124	125
1970 1969 1968 1967 1967	1,944.3 1,867.6 1,907.1 1,703.4 1,468.7	785.0 723.9 681.4 625.6 579.6	126.5 120.4 116.7 104.1 92.9	422.4 377.8 371.8 341.5 306.8	189.0 161.5 163.4 146.0 127.9	233.4 216.4 208.4 195.5 178.9	236.1 225.7 192.9 180.0 179.9	100.4 104.8 92.7 88.2 89.0	16.4 27.0 17.5 12.4 14.9	15.2 11.9 13.2 15.6 16.0	17.4 14.8 10.5 9.0 7.9	51.4 51.1 51.5 51.1 50.2
1965	1,485.8 1,344.7 1,214.4 1,085.3 1,112.1	540.6 500.7 464.1 430.1 403.3	90.3 82.5 77.9 74.1 72.5	287.5 259.5 232.1 207.5 181.8	115.9 101.1 89.4 79.9 67.3	171.6 158.4 142.7 127.6 114.5	162.8 158.7 154.0 148.5 149.0	80.7 79.0 77.0 73.0 72.7	12.9 9.4 10.6 8.0 7.8	14.2 16.7 15.0 15.2 15.9	4.0 3.8 3.3 2.9 2.6	49.6 49.0 48.0 46.9 46.4
1960	967.9 944.6 878.4 740.9 753.6	381.5 364.0 340.0 322.2 306.3	70.2 69.9 68.0 65.6 66.9	165.3 153.8 142.1 128.0 115.9	62.0 60.2 56.6 51.3 46.1	103.3 93.7 85.5 76.7 69.8	146.0 140.3 130.0 128.6 123.5	73.5 73.3 67.8 70.7 70.4	8.8 11.3 7.7 9.8 7.7	16.3 13.1 10.9 10.8 11.4	2.7 3.0 1.5 1.9	45.6 45.9 47.7 48.2 50.1
1955	707.8 627.4 533.8 520.6 486.4	289.2 271.5 259.0 246.4 234.6	65.3 64.5 62.9 61.8 59.7	106.3 97.5 88.3 80.0 72.2	43.8 42.1 39.5 37.0 34.2	62.5 55.4 48.8 43.0 38.0	117.6 109.4 107.8 104.6 102.7	69.2 66.6 68.6 68.3 68.1	6.1 5.7 8.1 6.1	12.0 10.7 10.7 12.8	.9 .3 .4 .3 .2	50.2 50.0 49.4 49.2 49.1
1950 1949 1948 1948 1947	447.5 413.1 394.7 388.6 380.5	225.1 222.4 219.4 217.8 213.4	56.5 54.3 56.2 58.9 60.3	67.3 64.8 62.1 59.9 56.4	32.4 32.4 32.2 31.9 30.8	34.9 32.4 29.9 27.9 25.7	101.3 103.3 101.0 99.1 96.7	69.1 69.6 68.6 68.2 67.1	1		.2 .1 .2 .1	49.6 49.3 47.8 46.2 44.2
1945	372.8	203.7	56.4	50.1	27.2	23.0	97.2	68.3			1	42.9

					Fina	ncial assets—C	Con.				
\	Deposits	and credit ma	rket instrumer	its—Con.	c	orporate equiti	es				
Year	Cr	edit market in	struments—Co	on.				Life insurance	Pension fund	Security credit	Miscellaneous
	State and local obligations	Commercial paper	Corporate and foreign bonds	Mortgages	Total	Investment company shares	Other corporate shares	reserves	reserves		
	126	127	128	129	130	131	132	133	134	135	136
1970 1969 1968 1967 1966	47.4 45.4 38.2 38.4 40.1	6.1 7.9 1.9 (Z)	39.8 27.4 21.7 16.8 12.8	42.5 40.2 38.4 36.6 35.7	763.1 775.5 874.4 754.6 595.5	47.6 48.3 52.7 44.7 34.8	715.4 727.2 821.7 709.9 560.7	130.3 125.0 120.0 115.4 110.6	287.4 216.8 206.2 185.2 168.2	2.2 2.6 3.5 2.7 1.6	26.3 23.8 21.6 19.8 18.2
1965	36.4 34.7 32.7 31.2 32.2	(Z) .1 .1 .1 .1 .2	11.3 10.0 9.5 9.7 10.3	34.3 35.1 34.8 34.5 33.5	667.0 588.7 514.9 437.8 501.6	35.2 29.1 25.2 21.3 22.9	631.8 559.6 489.7 416.6 478.7	105.9 101.1 96.6 92.4 88.6	153.7 137.3 122.8 109.5 103.5	1.7 1.2 1.2 1.2 1.2	17.0 15.7 14.8 14.3 13.8
1960 1959 1958 1957 1956	30.8 27.3 24.3 23.5 21.7	.1 .3 .3 .1 .1	9.8 9.4 9.5 8.5 7.4	31.8 29.9 28.1 25.8 23.9	396.1 402.7 374.0 267.7 305.4	17.0 15.8 13.2 8.7 9.0	379.0 386.9 360.7 259.0 296.4	85.2 82.0 78.5 75.5 72.7	90.7 82.1 72.4 62.6 56.6	1.1 1.0 1.2 .9	13.3 12.8 12.3 12.0 11.7
1955 1954 1953 1952 1951	19.3 16.0 13.5 11.5 10.4	(Z) .1	6.6 5.5 5.6 5.7 6.0	22.4 21.2 20.0 19.0 18.3	286.7 235.0 162.4 170.4 156.4	.7.8 6.1 4.1 3.9 3.5	278.9 228.9 158.3 166.5 152.9	69.3 66.3 63.6 60.7 57.8	50.4 42.6 37.4 82.4 27.5	1.0 .7 .7 .8	11.4 10.9 10.6 10.0 9.3
1950 1949 1948 1947 1946		(Z) (Z) (Z) .1	4.9 7.5 7.7 8.1 8.7	17.4 16.7 15.9 14.8 13.5	133.7 109.5 100.2 101.3 103.5	3.3 3.1 1.5 1.4 1.3	130.4 106.4 98.7 99.9 102.2	55.0 52.1 49.4 46.5 43.4	24.0 20.1 17.2 14.8 12.5	.9 .6 .6 .6	8.7 8.4 8.0 7.6 7.1
1945	7.3	(Z)	9.6	12.0	111.6	1.3	110.4	39.6	11.0	.6	6.3

Z Less than \$50 million, or less than -\$50 million.

Series X 114-147. Financial Assets and Liabilities of Households, Personal Trusts, and Nonprofit Organizations: 1945 to 1970—Con.

[In billions of dollars. As of December 31]

						Liabilities					-
			-	Credit	t market instru	ments					Deferred
Year	Total	Total	Home mortgages	Other mortgages	Installment consumer credit	Other consumer credit	Bank loans	Other loans	Security credit	Trade credit	and unpaid life in- surance premiums
	137	138	139	140	141	142	143	144	145	146	147
1970 1969 1968 1967	483.6 461.9 480.8 395.8 372.2	463.2 440.6 407.9 375.8 356.2	273.1 260.4 244.1 229.4 219.0	20.5 19.1 17.8 16.7 15.5	101.2 98.2 89.9 80.9 77.5	25.6 24.3 23.8 21.2 20.0	21.9 20.4 17.5 14.4 12.2	20.9 18.3 15.3 13.3 11.9	10.0 11.9 14.4 12.3 9.0	5.8 4.7 4.2 8.7 3.3	5.1 4.7 4.3 3.9 3.7
1965 1964 1963 1962 1961	349.4 319.3 291.2 264.1 243.1	333.8 305.1 277.2 252.4 231.6	206.4 191.1 175.1 160.4 147.7	14.2 13.1 12.0 11.0 10.1	71.3 62.7 55.5 48.7 43.9	19.0 17.6 16.3 15.1 14.1	11.9 10.5 9.1 8.6 8.1	11.0 10.1 9.2 8.5 7.7	9.2 8.4 8.6 6.6 6.7	3.0 2.8 2.5 2.4 2.2	3.3 3.0 2.9 2.7 2.5
1960	226 .2 208 .4 186 .4 174 .0 161 .2	216.3 198.6 177.2 166.1 153.2	136.8 126.0 113.4 104.6 95.8	9.2 8.3 7.5 6.7 5.9	48.0 39.2 33.6 33.9 31.7	18.2 12.3 11.5 11.1 10.6	7.2 6.7 5.7 5.0 4.8	7.0 6.1 5.4 5.0 4.4	5.4 5.5 5.5 4.4 4.8	2.1 2.1 1.8 1.6 1.5	2.4 2.2 2.0 1.8 1.7
1955 1954 1953 1952 1951	144.8 124.1 111.8 98.7 87.1	187.1 117.4 106.3 93.8 82.7	84.6 72.4 63.8 56.1 49.7	5.2 4.6 3.9 3.4 2.9	28.9 28.6 23.0 19.4 15.3	9.9 8.9 8.4 8.1 7.4	4.4 4.1 8.7 8.5 4.3	4.1 3.8 3.5 3.3 8.2	4.8 4.1 3.0 2.6 2.4	1.4 1.3 1.2 1.1	1.5 1.3 1.3 1.2 1.1
1950 1949 1948 1947	77.4 63.2 54.9 46.3 38.7	73.0 59.7 51.8 43.1 35.2	42.6 35.2 31.1 26.1 21.8	2.4 1.8 1.3 .9	14.7 11.6 9.0 6.7 4.2	6.8 5.8 5.5 4.9 4.2	3.8 2.7 2.5 2.3 2.3	2.9 2.6 2.4 2.2 2.1	2.5 1.8 1.5 1.8 2.2	.9 .8 .7 .7 .6	1.0 .9 .8 .8 .7
1945	84.1	28.1	18.0	.5	2.5	8.2	1.8	2.1	4.9	.5	.6

Series X 148-191. Saving and Investment of Households, Personal Trusts, and Nonprofit Organizations: 1946 to 1970
[In billions of dollars]

		·			Equals:							Gı	oss investme	ent
	Personal income	Less: personal taxes and	Equals: disposable personal	Less: personal	personal savings	Credits from govern-	Capital gains	Net durables in	Net saving	Capital consump-	Gross saving		Capital exp	penditures ²
Year		nontaxes	income	outlays	NIA 1 basis	ment insurance	dividends	consump- tion		tion 2	_	Total	Total	Residential construc- tion
	148	149	150	151	152	153	154	155	156	157	158	159	160	161
1970 1969 1968 1967 1966	806.3 750.9 688.9 629.3 587.2	116.7 116.5 97.9 83.0 75.4	689.5 634.4 591.0 546.8 511.9	684.7 596.2 551.2 506.0 479.3	54.8 38.2 39.8 40.4 32.5	9.2 6.6 6.0 5.4 5.2	0.9 2.5 2.5 1.7 1.8	9.9 16.2 16.7 12.4 15.2	74.9 63.6 64.9 59.8 54.2	91.3 84.8 77.2 69.9 64.3	166.2 148.4 142.0 129.8 118.5	174.4 144.6 148.5 131.9 126.7	115.3 117.8 109.7 94.6 94.2	19.6 22.0 21.1 17.0 18.9
1965 1964 1968 1962 1961	538.9 497.5 465.5 442.6 416.8	65.7 59.4 60.9 57.4 52.4	478.2 438.1 404.6 385.3 364.4	444.8 411.9 384.7 863.7 343.8	28.4 26.2 19.9 21.6 21.2	4.8 4.2 3.7 3.6 8.5	.9 .6 .5 .5	14.8 11.2 8.9 6.7 2.9	49.0 42.1 33.0 32.4 28.0	59.9 55.9 52.4 49.8 47.8	108.8 98.0 85.4 82.2 75.8	113.6 103.0 92.5 85.8 80.9	89.5 82.2 76.3 71.5 64.7	19.1 19.3 19.0 18.7 17.6
1960 1959 1958 1957 1956	401.0 888.5 861.2 851.1 838.0	50.9 46.2 42.3 42.6 39.8	350.0 337.3 318.8 308.5 293.2	333.0 318.3 296.6 287.8 272.6	17.0 19.1 22.3 20.7 20.6	8.8 3.0 2.5 2.2 2.6	.4 .4 .8 .3	5.1 5.5 .6 4.9 5.9	25.8 28.0 25.6 28.1 29.3	46.3 44.5 42.6 40.8 37.4	72.1 72.5 68.3 68.8 66.7	75.9 78.2 75.7 74.5 78.2	67.8 68.3 57.7 61.2 61.2	19.7 21.4 17.3 18.1 20.2
1955 1954 1953 1952 1951	310.9 290.1 288.2 272.5 255.6	35.5 32.7 35.6 34.1 29.0	275.3 257.4 252.6 238.3 226.6	259.5 241.0 284.3 220.2 209.8	15.8 16.4 18.3 18.2 17.3	1.8 1.6 1.9 2.0 1.6	.2 .1 .1 .1	9.9 4.9 6.4 3.6 5.5	27.8 23.0 26.7 23.8 24.5	83.8 81.5 80.0 28.6 26.8	61.5 54.5 56.7 52.4 51.2	67.7 59.1 60.4 55.8 56.2	62.6 51.5 50.9 46.0 46.9	21.1 16.8 16.2 15.3 15.8
1950 1949 1948 1947 1946	227.6 207.2 210.2 191.3 178.7	20.7 18.6 21.1 21.4 18.7	206.9 188.6 189.1 169.8 160.0	198.9 179.2 175.8 162.5 144.8	13.1 9.4 13.4 7.3 15.2	1.8 1.7 1.5 1.8 1.8	(Z) (Z) (Z) (Z)	10.2 7.0 7.1 7.5 5.8	25.1 18.1 22.0 16.7 22.9	22.5 19.6 17.4 14.6 11.5	47.7 37.7 39.4 31.2 34.4	49.4 38.3 40.5 35.4 87.5	47.5 36.6 35.8 29.4 21.8	15.6 10.7 12.1 8.3 5.5

Series X 148-191. Saving and Investment of Households, Personal Trusts, and Nonprofit Organizations: 1946 to 1970—Con.

						 									
							Gross	investment-	Con.	 					
	Capital e	expendi- —Con.				-		Net a	equisition o	of financial	assets				
								Dep	osits and c	redit mark	et instrume	nts 3			
Year	Consumer	Non- profit	Net financial invest-				Sav	ings accou	nts		Cr	edit marke	et instrume	nts	
	durable goods	plant and equip- ment	ment	Total	Total	Demand deposits and currency	Total	Commer- cial banks	Savings institu- tions	Total	U.S. Govern- ment securities	State and local obliga- tions	Commer- cial paper	Corporate and foreign bonds	Mort- gages
	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176
1970	90.5 90.8 84.0 73.1 70.8	5.3 5.1 4.5 4.5 4.5	59.1 26.7 33.8 37.3 32.5	80.5 57.6 68.6 61.0 56.1	61.1 42.9 55.8 46.8 40.5	6.1 3.5 12.6 11.1 2.6	44.5 6.1 30.4 34.8 20.5	27.6 -1.9 17.4 18.1 13.2	17.0 8.0 13.0 16.7 7.3	10.4 33.3 12.9 .9 17.5	-4.4 12.1 4.5 8 8.4	2.0 7.6 2 -1.7 3.7	$\begin{array}{c c} -1.8 \\ 5.9 \\ 2.0 \\ -2.3 \\ 2.2 \end{array}$	12.4 5.7 4.8 4.8 1.9	2.2 2.0 1.8 .9
1965 1964 1963 1962 1961	66.3 59.2 53.9 49.5 44.2	4.1 3.7 3.4 3.2 3.0	24.1 20.8 16.2 14.3 16.2	54.8 48.9 43.3 35.3 33.1	39.3 36.1 33.8 26.1 22.8	7.9 4.5 3.6 .9 2.6	28.0 27.4 24.6 25.7 16.5	14.9 11.6 9.5 12.6 5.4	13.2 15.8 15.1 13.1 11.2	3.4 4.2 5.5 6 3.7	1.7 2.0 3.9 .3 5	1.7 2.0 1.5 -1.0 1.4	(Z) (Z) (Z) 2 .8	7 3 6	8 .3 .3 1.0 1.7
1960 1969 1958 1958 1957	37.9 40.8	2.8 2.6 2.5 2.4 2.1	8.1 9.9 18.0 13.3 12.0	25.9 31.9 30.5 26.1 28.4	17.8 24.1 17.9 15.9 17.2	.4 2.2 2.4 -1.3 1.6	11.4 11.3 14.1 12.1 9.6	1.8 2.8 5.3 5.2 2.3	9.6 8.5 8.7 6.9 7.3	5.5 10.5 1.5 5.0 6.0	.1 5.5 -2.9 .3 1.2	3.5 3.0 .8 1.8 2.4	2 1 .1 (Z) (Z)	.2 .3 1.1 1.0 .9	2.0 1.8 2.3 1.9 1.5
1955 1954 1953 1952 1951	39.6 32.8 33.2 29.3 29.6	1.9 1.9 1.5 1.4 1.5	5.1 7.7 9.4 9.4 9.2	25.7 20.0 22.5 22.0 18.9	17.7 12.2 12.7 11.9 8.1	.8 1.6 1.1 2.1 3.2	8.8 9.3 8.3 7.8 4.9	1.6 2.6 2.5 2.8 1.8	7.1 6.7 5.8 5.0 3.1	8.2 1.3 3.3 2.0	2.5 -1.9 .2 .3 -1.0	3.4 2.5 2.0 1.1 .3	(Z) (Z) .1 (Z) .1	1.1 4 (Z) 1 2	1.2 1.2 1.0 .8
1950 1949 1948 1947 1946	22.7	1.4 1.8 1.0 .7	1.8 1.7 4.6 6.0 15.7	16.1 10.0 13.2 13.6 20.3	4.7 2.8 1.8 4.3 9.6	2.3 -1.9 -2.7 -1.4 3.8	2.5 2.7 2.3 3.4 6.3	.1 .3 1.2 3.6	2.4 2.5 2.0 2.3 2.7	2.1 2.2 2.2 5	6 1.0 .3 1.1 -1.2	.5 .7 1.0 .4 (Z)	(Z) (Z) (Z) (Z)	8 4 2 8 9	.7 .7 1.2 1.3 1.5
			·			" <u>,</u>	Gross	investment	Con.			' <u></u> .	<u>'</u>	•	
	Net	acquisition	n of financia	al assets—C	Con.				Net in	crease in lia	abilities				
									Credit 1	market inst	ruments				Discrep
Year	Invest- ment company shares	Other corpora- tion shares	Life insur- ance reserves	Pension fund reserves	Other	Total	Total	Home mort- gages	Other mort- gages	Install- ment con- sumer credit	Other con- sumer credit	Bank loans 4	Other loans	Other	ancy

	Net	acquisition	of financi	al assets(Con.				Net in	crease in lia	bilities				
									Credit 1	market inst	ruments			1	Discrep-
Year	Invest- ment company shares	Other corpora- tion shares	Life insur- ance reserves	Pension fund reserves	Other	Total	Total	Home mort- gages	Other mort- gages	Install- ment con- sumer credit	Other con- sumer credit	Bank loans 4	Other loans	Other	ancy
	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191
1970 1969 1968 1967 1966	2.6 5.5 4.7 2.6 3.7	-5.2 -9.6 -12.3 -6.8 -4.7	5.2 4.9 4.5 5.0 4.6	19.5 15.8 15.4 14.4 14.4	$ \begin{array}{r} -2.7 \\ -2.0 \\ \hline -5 \\ -1.0 \\ -2.3 \end{array} $	21.5 30.8 34.8 23.7 23.6	22.4 32.4 31.9 19.7 23.2	12.5 16.1 14.9 10.5 12.3	1.4 1.3 1.1 1.2 1.3	3.0 8.3 9.0 3.4 6.2	1.3 1.0 2.1 1.2 1.0	1.5 2.8 3.1 2.1	2.6 3.0 1.7 1.3 2.0	$ \begin{array}{r} -0.9 \\ -1.6 \\ 3.0 \\ 4.0 \\ .5 \end{array} $	-8.2 3.9 -1.4 -2.1 -8.2
1965 1964 1963 1962 1961	3.1 1.9 1.2 1.8 1.9	-5.1 -1.9 -4.0 -3.9 -1.5	4.8 4.3 4.1 3.7 3.4	12.3 10.9 9.7 9.1 8.8	1 -2.4 -1.6 -1.6 -2.3	30.2 28.1 27.1 21.0 16.9	28.8 27.9 24.8 20.8 15.3	15.2 16.0 14.8 12.7 10.9	1.2 1.0 1.0 1.0	8.6 7.2 6.8 4.8	1.4 1.3 1.2 1.0	1.4 1.4 .4 .5	.9 .9 .7 .8	1.3 .3 2.4 .3 1.5	-4.8 -5.0 -7.1 -3.6 -5.1
1960 1959 1958 1957 1956	1.5 1.7 1.4 1.2 1.1	-1.9 -1.1 .1 .3 .9	3.2 2.9 2.9 2.7 3.4	8.4 8.5 7.1 6.7 6.2	-2.7 -4.3 1.1 8 4	17.8 22.0 12.5 12.8 16.4	17.7 21.5 11.0 12.9 16.1	10.8 12.6 8.8 8.8 11.2	.9 .8 .8 .8	3.7 5.6 2 2.1 2.8	.9 .8 .4 .5	1.0 .7 .2 .4	.9 .7 .5 .5	.1 .5 1.5 1	-3.8 -5.7 -7.4 -5.7 -6.4
1955 1954 1958 1952 1951	.9 .5 .4 .5	.2 .2 .5 1.0 1.3	2.8 2.7 3.0 2.8 2.6	5.6 5.2 5.0 4.9 3.5	-1.4 8 1.0 .8 3.0	20.6 12.3 13.1 12.6 9.7	19.7 11.1 12.5 12.2 9.7	12.2 8.6 7.7 6.4 7.1	.6 .7 .5 .6	5.3 .6 3.6 4.1 .6	1.0 .5 .3 .7 .7	.3 .4 .2 .3	.3 .3 .3 .1 .3	.9 1.3 .7 .5 1	-6.2 -4.6 -3.7 -2.9 -4.9
1950 1949 1948 1947 1946	.2 .3 .1 .2 .3	.5 .4 .9 .9	2.9 2.7 2.8 3.1 3.8	3.9 2.8 2.5 2.2 1.5	3.8 .9 5.2 2.9 4.2	14.2 8.3 8.6 7.6 4.6	13.3 7.9 8.7 7.8 7.1	7.4 4.1 5.0 4.3 3.8	.5 .4 .3 .2	3.1 2.6 2.3 2.5 1.7	1.0 .3 .5 .7 1.0	1.1 .2 .3 (Z) .5	.3 .2 .2 .2 .1 (Z)	.9 .4 1 2 -2.5	$ \begin{array}{r} -1.7 \\6 \\ -1.1 \\ -4.2 \\ -3.1 \end{array} $

Z Less than \$50 million, or less than -\$50 million. 1 NIA = National income accounts. 2 Net of sales.

³ Excludes corporate equities. ⁴ Not elsewhere classified.

FINANCIAL MARKETS AND INSTITUTIONS

Series X 192-206. Financial Assets and Liabilities of Nonfinancial Business: 1945 to 1970
[In billions of dollars. As of December 31]

			Financi	al assets							Liabilities				
i		Demand		Credit					Cr	edit marke	t instrumer	nts		Net	
Year	Total	deposits and currency	Time deposits	market instru- ments	Trade credit	Miscel- laneous	Total	Total	Corpor- ate bonds	Home mort- gages	Other mort- gages	Bank loans ¹	Other loans	trade debt	Other
	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206
1970 1969 1968 1967 1966	394.3 379.0 353.4 326.0 306.3	52.7 52.2 50.8 49.5 48.0	13.5 11.8 14.2 13.8 11.7	55.7 56.8 54.6 48.3 45.8	176.5 170.3 153.0 139.0 131.3	95.9 87.9 80.8 75.8 69.4	694.9 642.6 576.4 519.2 476.6	492.8 450.5 404.0 364.1 328.3	167.9 147.6 135.6 122.7 108.0	2.5 2.4 3.0 2.7 1.6	151.1 139.4 128.4 117.5 108.3	121.7 118.4 103.7 92.7 84.7	49.6 42.7 83.3 28.4 25.6	131.0 122.3 104.3 94.6 88.5	71.0 69.8 68.1 60.5 59.8
1965 1964 1963 1962 1961	290.9 268.1 252.3 236.2 223.5	47.7 47.3 46.8 46.6 46.2	13.1 10.8 10.8 8.4 6.9	46.6 45.0 42.8 39.5 37.2	120.0 107.0 98.8 92.6 88.0	63.5 58.0 53.2 49.1 45.2	430.1 386.4 360.3 332.0 307.0	295.4 265.7 244.9 224.8 207.5	97.8 92.4 88.4 84.5 80.0	2.5 2.4 2.7 2.4 2.3	98.6 89.5 80.1 71.1 63.2	74.8 62.0 56.8 51.5 47.7	22.1 19.5 16.8 15.3 14.4	78.5 69.8 67.5 63.4 60.4	56.2 50.8 48.0 43.8 89.1
1960 1959 1958 1957 1956	211.1 207.4 193.2 180.0 174.0	45.8 48.4 50.9 48.2 47.5	3.9 1.5 1.9 1.0	36.6 40.6 32.8 31.9 31.9	82.3 78.2 72.2 66.2 64.9	42.5 38.7 35.3 32.6 28.7	297.2 282.4 259.5 246.1 234.9	193.5 181.0 167.2 156.1 144.6	75.3 71.9 68.9 63.2 56.9	2.1 2.7 2.6 2.1 2.3	56.4 51.6 46.6 42.2 39.6	46.3 43.8 39.0 38.7 37.1	13.5 11.0 10.2 9.9 8.7	57.9 55.1 51.8 48.8 48.7	45.7 46.2 40.5 41.2 41.6
1955 1954 1953 1952 1951	168.5 150.4 144.1 140.8 135.1	47.6 46.4 44.2 44.4 44.1	1.0 1.1 .9 .9	35.3 30.1 31.4 29.0 28.7	59.3 49.6 46.2 47.0 44.0	25.2 23.1 21.4 19.5 17.4	218.7 193.8 187.2 179.4 171.8	132.1 120.5 114.4 109.8 100.4	53.3 50.4 47.0 43.6 38.9	2.7 2.5 1.8 1.9 1.7	36.4 33.4 31.3 29.5 27.7	31.4 26.3 26.8 27.8 24.8	8.3 7.8 7.6 7.0 7.3	45.7 87.7 35.4 85.1 36.3	40.9 35.6 37.5 34.5 35.2
1950 1949 1948 1947 1947	125.3 107.6 103.3 97.3 86.5	41.3 39.7 38.8 38.5 35.1	.9 .9 .9	26.9 22.3 19.6 17.8 17.2	40.5 30.3 31.1 28.8 23.7	15.7 14.4 13.0 11.3 9.7	151.2 125.8 125.5 113.8 97.6	90.1 81.8 79.0 72.2 62.9	35.7 34.2 31.4 27.2 24.4	2.3 2.2 1.9 1.9	25.3 23.2 21.6 19.8 18.0	20.3 16.3 18.3 18.0 14.2	6.5 5.9 5.7 5.3 5.0	32.0 23.6 24.6 21.5 18.1	29.1 20.5 22.0 20.2 16.6
1945	85.9	32.8	.9	22.0	21.0	9.2	86.6	55.5	23.5	.6	16.4	9.9	5.0	12.5	18.6

¹ Not elsewhere classified.

Series X 207-228. Saving and Investment of Nonfinancial Business: 1946 to 1970
[In billions of dollars]

						Capital ex	penditures		
	Income before	Gross saving	Gross investment			Fixed in	vestment		
Year	taxes	_	,	Total	Total	Business plant and equipment	1-4 family residential construction	Other residential	Change in inventories
	207	208	209	210	211	212	213	214	215
1970	127.5 139.5 142.4 136.2 139.1	79.8 80.4 79.8 78.4 77.1	72.9 68.0 69.6 68.5 66.6	110.1 109.3 99.0 94.0 97.0	105.2 101.4 92.0 85.8 82.2	93.6 90.8 83.0 77.8 76.1	0.8 .1 .9 2.0 7	10.8 10.6 8.1 6.1 6.8	4.9 7.8 7.1 8.2 14.8
1965	129.5 115.3 106.9 102.4 95.7	71.8 65.0 57.3 55.0 48.2	60.4 56.0 49.5 47.5 42.3	84.1 70.2 63.8 60.4 50.4	74.4 64.3 57.9 54.4 48.4	66.3 56.5 49.9 47.8 43.3	.7 .1 1.0 .7 .9	7.4 7.7 7.0 5.9 4.2	9.6 5.8 5.9 6.0 2.0
1960	93.4 96.2 87.1 89.3 88.5	46.9 47.2 41.2 42.0 39.7	40.3 41.1 32.6 41.5 33.2	51.8 50.6 40.5 46.8 47.2	48.2 45.8 42.0 45.4 42.5	45.1 41.7 38.5 43.3 41.1	2 .8 1.2 .4 .2	3.3 3.2 2.3 1.7 1.3	3.6 4.8 -1.5 1.3 4.7
1965	88.3 78.0 80.6 82.9 85.6	39.8 33.1 30.5 30.0 28.3	33.8 29.9 28.1 29.7 27.8	43.8 32.6 34.6 34.8 41.7	37.9 34.1 34.2 31.7 31.4	35.7 31.2 32.4 29.8 30.0	1.6 .6 1.0	1.2 1.3 1.2 .9 1.4	6.0 -1.5 .4 3.1 10.3
1950	76.3 67.1 74.9 63.2 57.5	25.3 25.7 24.4 17.4 11.6	24.0 24.2 20.7 14.8 9.8	36.7 23.4 32.6 24.8 24.7	29.9 26.5 27.9 25.3 18.3	26.2 23.5 25.5 22.5 16.6	.9 1.1 .9 1.7 1.2	2.8 1.8 1.5 1.1	6.8 -8.1 4.7 5 6.4

Series X 207-228. Saving and Investment of Nonfinancial Business: 1946 to 1970—Con. [In billions of dollars]

						Net financia	ıl investmen	t					
						Ne	et financial s	ources of fur	ıds				
Year	Total	Net financial uses of		Corporate			Credit m	arket instru	ments		Trade	Other	Discrep- ancy
		funds	Total	share issues	Total	Corporate bonds	Home mortgages	Other mortgages	Bank loans 1	Other loans	debt	liabilities	
	216	217	218	219	220	221	222	223	224	225	226	227	228
1970	-37.3 -41.3 -29.5 -25.5 -30.4	12.6 22.9 25.1 18.0 13.7	49.9 64.2 54.6 43.6 44.1	6.8 4.3 8 2.3 1.2	42.7 46.6 40.0 35.8 33.0	20.3 12.1 12.9 14.7 10.2	0.3 4 .3 1.1 -1.0	11.7 11.0 11.0 9.2 9.7	3.5 14.6 11.0 8.0 10.4	7.0 9.3 4.8 2.8 3.6	4.5 15.1 10.5 9.0 10.1	$\begin{array}{c c} -4.0 \\ -1.9 \\ 5.0 \\ -3.5 \\1 \end{array}$	6.9 12.5 10.3 9.9 10.6
1965 1964 1963 1962 1961	-23.6 -14.2 -14.2 -13.0 -8.2	21.2 14.4 14.7 11.8 13.0	44.8 28.6 28.9 24.7 21.2	(Z) 1.4 3 .6 2.5	29.6 21.2 19.7 17.4 13.9	5.4 4.0 3.9 4.6 4.6	1 3 .4 .1 .2	9.1 9.4 9.0 8.0 6.8	12.3 5.5 4.9 3.9 1.4	2.6 2.6 1.5 .9	12.1 6.8 7.7 4.3 5.9	3.1 8 1.8 2.5 -1.1	11.4 9.0 7.8 7.5 5.9
1960	$ \begin{array}{r} -11.5 \\ -9.5 \\ -7.9 \\ -5.3 \\ -14.0 \end{array} $	2.3 13.1 12.4 5.3 4.6	13.8 22.6 20.3 10.6 18.6	1.6 2.2 2.1 2.4 2.3	12.5 14.0 11.1 11.6 12.5	3.5 3.0 5.7 6.3 3.6	6 .2 .5 2 4	4.7 5.1 4.4 2.7 3.1	2.5 5.1 .3 1.6 5.7	2.5 .7 .3 1.2	3.6 5.4 7.6 -1.8 4.0	-3.9 .9 4 -1.7 1	6.6 6.1 8.6 .5 6.6
1955 1954 1953 1952 1951	$ \begin{array}{r} -10.0 \\ -2.6 \\ -6.6 \\ -5.1 \\ -13.9 \end{array} $	17.2 5.6 2.5 4.9 9.1	27.2 8.3 9.1 10.0 22.9	1.9 1.6 1.8 2.3 1.9	11.7 6.1 4.3 8.3 10.3	2.8 3.5 3.4 4.7 3.3	.3 .7 1 .2 6	3.0 2.1 1.8 1.8 2.4	5.0 4 -1.0 1.9 4.5	.6 .2 .3 3	10.2 4.1 2 2 2.3	3.3 -3.6 3.2 5 8.4	5.4 3.2 2.4 .3 .4
1950 1949 1948 1947 1946	$ \begin{array}{r} -12.7 \\ .7 \\ -11.9 \\ -10.0 \\ -14.9 \end{array} $	17.2 3.8 5.5 10.4 1.0	29.9 3.1 17.4 20.3 15.9	1.4 1.3 1.0 1.2 1.1	8.5 2.9 6.4 9.4 7.5	1.6 2.9 4.3 2.8 1.0	(Z)	2.1 1.7 1.8 1.7 1.6	4.0 -2.1 1 3.8 4.3	.7 .2 .4 .2 .1	8.6 (Z) 3.4 3.8 6.0	11.4 -1.1 6.5 6.0 1.4	1.3 1.6 3.7 2.5 1.8

Z Less than \$50 million, or less than -\$50 million.

Series X 229-244. Financial Assets and Liabilities of State and Local Governments: 1945 to 1970
[In billions of dollars. As of December 31]

				Fir	nancial ass	sets							Liabilities	l		
		De-			Credit m	arket ins	truments					Credit n	narket ins	truments		
Year	Total	mand deposits and	Time deposits		U. S. Govern-	State and	Corpor-	Home	Taxes receiv-	Total		State an	d local of	ligations	Other loans	Trade
		cur- rency		Total	ment securi- ties	local obliga- tions	ate bonds	mort- gages	able		Total	Total	Short- term	Other	(U. S. Govt.)	debt
	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244
1970 1969 1968 1967 1966	71.7 64.9 62.2 55.2 51.2	10.0 10.0 8.0 7.4 8.4	23.2 13.2 19.1 15.9 13.5	36.8 39.1 32.0 29.4 27.1	27.4 27.7 22.5 20.2 18.4	2.3 2.2 2.2 2.1 2.1	4.9 7.0 5.1 4.9 4.4	2.2 2.2 2.2 2.2 2.1	1.7 2.5 3.2 2.5 2.3	157.4 143.0 133.9 122.8 113.6	151.1 137.1 128.4 117.9 109.5	146.2 132.4 124.4 114.4 106.0	14.6 10.7 8.1 8.0 6.2	131.7 121.7 116.3 106.4 99.9	4.8 4.7 4.0 3.6 3.4	6.3 5.9 5.4 4.8 4.2
1965 1964 1963 1962 1961	48.2 43.5 39.2 35.4 32.3	9.2 9.6 8.2 7.0 6.1	12.2 9.8 8.1 6.5 5.5	24.8 22.2 21.7 20.9 19.8	16.6 14.7 14.8 14.5 13.7	2.2 2.2 2.3 2.6 2.8	3.8 3.1 2.4 1.8 1.3	2.1 2.2 2.2 2.1 2.0	2.1 1.9 1.3 1.1 1.0	106.8 98.8 92.5 86.2 80.2	103.1 95.5 89.5 83.4 77.5	100.3 93.0 87.3 81.4 76.1	5.5 4.9 4.3 3.9 3.6	94.8 88.1 83.0 77.5 72.4	2.8 2.5 2.2 2.0 1.5	3.7 3.3 3.0 2.8 2.7
1960 1959 1958 1957 1956	30.8 28.8 27.7 26.6 25.7	6.4 7.0 6.9 6.9 6.9	4.6 3.2 3.6 2.8 2.4	18.9 17.7 16.5 16.1 15.5	13.4 12.8 11.7 11.8 11.5	2.7 2.7 2.7 2.6 2.5	1.5 .9 .9 .6	1.3 1.4 1.1 1.0 .9	.9 .9 .8 .9	74.5 69.0 62.6 56.8 52.0	72.1 66.6 60.4 54.7 50.1	70.8 65.6 59.5 54.0 49.6	3.4 3.2 2.8 2.3 2.2	67.4 62.4 56.7 51.7 47.4	1.2 1.0 .9 .7 .5	2.5 2.4 2.3 2.1 1.9
1955 1954 1953 1952 1952	25.3 24.6 22.9 20.9 19.2	7.3 7.5 7.8 7.4 7.0	2.4 2.4 2.0 1.6 1.5	14.7 13.9 12.3 11.0 9.8	10.8 10.2 9.0 7.8 6.9	2.5 2.5 2.3 2.1 2.1	.7 .7 .6 .6	.7 .6 .5 .4	1.0 .8 .9 .9	48.0 42.7 36.9 32.7 29.5	46.3 41.1 35.4 31.3 28.2	45.8 40.6 34.6 30.2 27.4	2.1 2.0 1.9 1.8 1.6	43.7 38.6 32.7 28.4 25.8	.5 .4 .8 1.1 .8	1.8 1.6 1.5 1.4 1.3
1950 1949 1948 1947 1946	17.9 16.4 15.7 14.3 12.7	6.7 6.3 6.1 5.7 5.1	1.4 1.3 1.1 .9	9.0 8.2 7.7 7.1 6.5	6.5 6.0 6.0 5.5 4.9	2.0 1.7 1.4 1.4 1.5	.3 .2 .2 .1 .1	.2 .2 .1 .1 (Z)	.8 .6 .7 .6	27.1 23.6 21.0 18.6 17.0	25.8 22.4 19.9 17.7 16.2	25.2 21.9 19.3 17.2 15.7	1.3 .9 .7 .5	24.0 21.0 18.6 16.6 15.4	.6 .6 .5	1.3 1.2 1.1 .9
1945	12.5	4.4	.5	7.1	5.2	1.8	.2	-	.5	16.8	16.2	15.7	.3	15.4	. 5	.6

⁻ Represents zero.

¹ Not elsewhere classified.

Z Less than \$50 million.

FINANCIAL MARKETS AND INSTITUTIONS

Series X 245-262. Saving and Investment of State and Local Governments: 1946 to 1970

		_				Net acqui	sition of finan	cial assets	
	Net surplus	Less- retirement	Equals	Net		Current	TV	Credit marke	t instruments
Year	NIA 1 basis	credit to households	gross	financial investment	Total	Currency and demand deposits	Time deposits	Total	U.S. Government securities
	245	246	247	248	249	250	251	252	253
1970	2.8 .7 3 -1.6 1.3	6.8 5.0 4.7 4.0 3.8	-3.9 -4.4 -5.0 -5.5 -2.6	-7.5 -6.5 -4.0 -5.1 -3.8	6.8 2.6 7.0 4.0 3.0	-0.1 2.1 .6 -1.0 8	10.0 -5.9 3.2 2.4 1.3	-2.3 7.1 2.6 2.4 2.3	-0.2 5.2 2.2 1.8 1.8
1965	1.0 1.7 1.2 .9 5	3.3 2.8 2.4 2.5 2.5	$ \begin{array}{r} -2.4 \\ -1.1 \\ -1.2 \\ -1.6 \\ -3.0 \end{array} $	-3.4 -2.6 -2.6 -2.8 -4.2	4.6 3.7 3.8 3.1 1.5	4 1.2 1.2 9 3	2.4 1.7 1.6 1.0	2.5 .5 .8 1.2 .8	1.9 1 .3 .8 .2
1960 1969 1968 1968 1966	8 -2.3 -1.4 9	2.3 2.0 1.5 1.6 1.4	-2.1 -2.8 -3.8 -3.0 -2.3	-3.6 -5.3 -4.8 -3.8 -3.6	2.0 1.1 1.1 1.0 .4	6 1 1 4	1.4 4 .8 .4 (Z)	1.2 1.3 .4 .6	1.1 1 .3 .7
1955	-1.3 -1.1 .1 (Z) 4	1.3 1.5 1.3 1.0	$ \begin{array}{r} -2.6 \\ -2.6 \\ -1.1 \\ -1.2 \end{array} $	-4.6 -4.2 -2.1 -1.5 -1.1	.7 1.7 2.1 1.6 1.3	2 3 .4 .4	1 .5 .3 .1 .2	.8 1.6 1.4 1.2	1.2 1.1 1.0 .4
1950 1949 1948 1947 1947	-1.2 7 .1 1.0 1.9	.7 .5 .4 .8	$ \begin{array}{r} -1.9 \\ -1.3 \\3 \\ .7 \\ 1.6 \end{array} $	-2.0 -1.9 -1.0 (Z)	1.5 .7 1.3 1.6	.4 .2 .4 .6 .7	.1 .2 .3 .2 .2	.9 .5 .6 .7 7	.5 .1 .4 .7 4
					1	1			,I
	Net acquisiti	on of financial	assets—Con.		Net i	ncrease in liab	ilities	<u>'</u>	
		market			<u> </u>	ncrease in liab		T 1-	Discrepancy
Year	Credit	market	assets—Con. Tax receivables	Total	<u> </u>			Trade debt	Discrepancy
Year	Credit instrumer	market ats—Con.	Тах	Total	Cred	it market born State and local	U. S. Government		Discrepancy
Year 1970	Credit instrumer State and local securities	market nts—Con.	Tax receivables		Cred Total	it market borr State and local obligations	U. S. Government loans	debt	
1970	Credit instrumes State and local securities 254 (Z) .1	market nts—Con. Other 255 -2.0 1.8 .3 .6	Tax receivables 256 -0.96 .7 .8	257 14.4 9.1 11.0 9.1	Total 258 13.9 8.7 10.4 8.5	State and local obligations 259 13.8 7.9 10.1 8.3	U. S. Government loans 260 0.1 .7 .3 .2	261 0.4 .4 .6	262 3.6 2.1 -1.1 5
1970	Credit instrumet	market nts—Con. Other 255 -2.0 1.8 .3 .6 .5 .7 .7 .7	Tax receivables 256 -0.967 .3 .2 .1 .2 .2 .2	257 14.4 9.1 11.0 9.1 6.9 8.0 6.2 6.4 6.0	Total 258 13.9 8.7 10.4 8.5 6.4 7.6 6.0 6.1 5.8	State and local obligations 259 13.8 7.9 10.1 8.3 5.7 7.3 5.9 5.9 5.3	U. S. Government loans 260 0.1 .7 .3 .2 .6 .3 .3 .2 .5	261 0.4 .6 .6 .5 .4 .3 .2	262 3.6 2.1 -1.1 5 1.3 1.0 1.5 1.4
1970	Credit instrumes	market nts—Con. Other 255 -2.0 1.8 .6 .5 .7 .7 .6 .6 .6 .5 .2 .8	Tax receivables 256 -0.96 .7 .8 .2 .1 .2 .2 .1 (Z) (Z)11	267 14.4 9.1 11.0 9.1 6.9 8.0 6.2 6.4 6.0 5.7 5.5 6.4 5.9	Total 258 13.9 8.7 10.4 8.5 6.4 7.6 6.0 6.1 5.8 5.5 5.4 6.3 5.7	State and local obligations 259 13.8 7.9 10.1 8.3 5.7 7.8 5.9 5.3 5.2 6.1 5.5 4.4	U. S. Government loans 260 0.1 .7 .3 .2 .6 .8 .3 .3 .2 .5 .2 .2 .2 .2 .2 .2	261 0.4 .6 .6 .5 .4 .3 .2 .1 .2 .1 .2 .2	262 3.6 2.1 -1.1 5 1.3 1.0 1.5 1.4 1.2 1.2 1.5 2.5

Represents zero.
 Less than \$50 million, or less than --\$50 million.

¹ NIA = National income accounts.

Series X 263-275. Money Supply: 1945 to 1970

			D	emand depo	sits and cu	rency: Asse	ts			Ne	t banking s	ystem liabili	t y
				Ŋ	Aoney suppl	у			U. S.		Com	mercial ban	king
Year	Total	Total	House- holds	Non- financial business	State and local govern- ments	Financial sectors	Rest of the world	Mail float	Govern- ment cash balances	Monetary authori- ties	Total	U. S. Govern- ment	Other
	263	264	265	266	267	268	269	270	271	272	273	274	275
1970	236.7 224.9 216.4 201.4 187.0	227.2 217.9 209.9 193.7 180.4	126.5 120.4 116.7 104.1 92.9	52.7 52.2 50.8 49.5 48.0	10.0 10.0 8.0 7.4 8.4	15.6 14.1 14.0 13.0 12.2	6.2 6.0 5.7 5.1 4.8	16.3 15.2 14.7 14.5 14.1	9.5 7.0 6.5 7.7 6.6	52.0 48.9 45.7 44.2 41.2	184.7 176.0 170.7 157.3 145.8	7.9 5.1 5.0 5.2 5.0	176.8 171.0 165.7 152.0 140.8
1965 1964 1963 1962 1961	184.3 176.8 168.2 163.1 158.5	177.3 168.8 160.4 155.0 151.6	90.3 82.5 77.9 74.1 72.5	47.7 47.3 46.8 46.6 46.2	9.2 9.6 8.2 7.0 6.1	12.3 11.9 11.6 11.5 10.6	4.4 4.2 3.5 3.2 3.1	13.4 13.3 12.4 12.5 13.1	7.0 7.9 7.8 8.1 6.8	38.8 36.8 34.2 32.3 31.4	145.4 140.0 134.0 130.9 127.1	5.5 6.5 6.5 7.2 5.9	139.9 133.5 127.4 123.7 121.1
1960 1959 1958 1957 1956	152.9 152.7 151.3 145.3 146.0	146.1 146.8 146.0 140.2 141.1	70.2 69.9 68.0 65.6 66.9	45.8 48.4 50.9 48.2 47.5	6.4 7.0 6.9 6.9	9.5 9.1 8.9 8.2 7.9	2.1 2.1 2.0 2.1 1.8	12.1 10.4 9.4 9.1 10.2	6.8 5.9 5.3 5.1 4.9	30.6 30.8 30.3 30.1 30.1	122.3 121.9 121.0 115.2 115.9	5.9 5.1 4.3 3.9 3.7	116.4 116.8 116.8 111.3 112.2
1955	144.2 142.0 137.5 137.4 130.9	139.4 136.4 132.2 130.8 126.0	65.3 64.5 62.9 61.8 59.7	47.6 46.4 44.2 44.4 44.1	7.3 7.5 7.8 7.4 7.0	7.8 7.3 6.9 6.6 6.4	1.5 1.7 1.5 2.0 1.7	9.9 9.1 8.9 8.7 7.0	4.9 5.5 5.8 6.6 4.9	30.0 29.9 29.8 29.9 28.6	114.2 112.1 107.6 107.5 102.3	3.7 4.2 4.1 4.9 3.4	110.5 107.9 103.5 102.6 98.9
1950 1949 1948 1947 1946	123.9 118.7 118.7 119.2 118.1	119.1 113.5 113.9 115.7 112.4	56.5 54.3 56.2 58.9 60.3	41.3 39.7 38.8 38.5 35.1	6.7 6.3 6.1 5.7 5.1	5.9 5.2 4.9 4.8 4.5	2.0 2.0 2.2 1.7 2.3	6.7 6.1 5.7 6.0 5.2	4.8 5.2 4.8 3.5 5.7	28.2 28.5 29.4 29.3 30.4	95.7 90.2 89.4 89.9 87.7	2.8 3.1 2.3 1.3 3.0	92.9 87.1 87.0 88.6 84.7
1945	132.6	104.8	56.4	32.8	4.4	3.8	2.7	4.7	27.8	31.1	101.4	24.5	76.9

Series X 276-292. Time Deposits and Savings Accounts: 1945 to 1970 [In billions of dollars. As of December 31]

					Commerc	ial bankin	g liability						Savings in	nstitutions	1		House-
	Total		Large negoti-				Hele	d by					Liabilit	ies	Ası	sets	holds, total time
Year	held	Total	able certif- icates of deposit ¹	Other	House- holds	Corpo- rate business	State and local govern- ment	U. S. Govern- ment	Mutual savings banks	Foreign	Total	Savings and loan associa- tions	Mutual savings banks	Credit unions	House- holds	Credit unions 2	deposits and savings accounts
	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292
1970 1969 1968 1967 1966	466.5 411.5 412.9 379.6 338.8	233.1 195.1 204.5 183.7 159.8	26.1 10.9 23.5 20.3 15.7	207.0 184.2 181.0 163.4 144.2	189.0 161.5 163.4 146.0 127.9	13.5 11.8 14.2 13.8 11.7	23.2 13.2 19.1 15.9 13.5	0.4 .2 .4 .3 .2	0.3 .1 .2 .2 .2	6.7 8.4 7.3 7.6 6.3	233.4 216.4 208.4 195.8 179.0	146.4 135.5 131.6 124.5 114.0	71.6 67.1 64.5 60.1 55.0	15.4 13.7 12.3 11.2 10.0	233.4 216.4 208.4 195.5 178.9	(Z) (Z) .1 .3 .1	422.4 377.8 371.8 341.5 306.8
1965 1964 1963 1962 1961	319.7 286.5 256.1 226.5 197.8	147.7 127.6 113.0 98.6 83.0	16.3 12.6 9.9 6.2 3.2	131.4 115.0 103.1 92.4 79.8	115.9 101.1 89.4 79.9 67.3	13.1 10.8 10.8 8.4 6.9	12.2 9.8 8.1 6.5 5.5	.3 .3 .3 .3	.2 .2 .1 .2 .2	6.0 5.4 4.3 3.4 2.9	172.0 159.0 143.1 127.9 114.8	110.4 101.9 91.3 80.2 70.9	52.4 48.8 44.6 41.3 38.3	9.2 8.2 7.2 6.3 5.6	171.6 158.4 142.7 127.6 114.5	.4 .5 .4 .4	287.5 259.5 232.1 207.5 181.8
1960 1959 1958 1957 1956	177.1 161.8 151.9 135.0 122.7	73.6 67.8 66.0 58.0 52.6	1.1	72.5 67.8 66.0 58.0 52.6	62.0 60.2 56.6 51.3 46.1	3.9 1.5 1.9 1.0 1.0	4.6 3.2 3.6 2.8 2.4	.3 .3 .3 .3	.1 .1 .2 .1	2.9 2.6 3.4 2.5 2.7	103.5 94.0 85.9 77.0 70.1	62.1 54.6 48.0 41.9 37.1	36.3 35.0 34.0 31.7 30.0	5.0 4.4 3.9 3.4 2.9	103.3 93.7 85.5 76.7 69.8	.1 .3 .4 .2 .3	165.3 153.8 142.1 128.0 115.9
1955 1954 1953 1952 1951	113.3 104.8 94.3 85.0 76.8	50.5 49.2 45.3 41.9 38.8		50.5 49.2 45.3 41.9 38.8	43.8 42.1 39.5 37.0 34.2	1.0 1.1 .9 .9	2.4 2.4 2.0 1.6 1.5	.4 .4 .3 .4 .3	.2 .3 .2 .2 .2	2.8 2.9 2.4 1.8 1.7	62.8 55.6 48.9 43.2 38.1	32.1 27.3 22.8 19.2 16.1	28.2 26.4 24.4 22.6 20.9	2.4 2.0 1.7 1.4 1.1	62.5 55.4 48.8 43.0 38.0	.2 .2 .1 .1	106.3 97.5 88.3 80.0 72.2
1950 1949 1948 1947 1946	71.9 69.2 66.2 63.6 60.0	37.0 36.7 36.2 35.6 34.2		37.0 36.7 36.2 35.6 34.2	32.4 32.4 32.2 31.9 30.8	.9 .9 .9 .9	1.4 1.3 1.1 .9	.2 .2 .1 .1	.2 .2 .2 .2	2.0 1.7 1.6 1.6 1.6	34.9 32.5 30.0 28.0 25.8	14.0 12.5 11.0 9.8 8.6	20.0 19.3 18.4 17.8 16.8	.9 .7 .6 .5	34.9 32.4 29.9 27.9 25.7	(Z) - .1 .1 .1	67.3 64.8 62.1 59.9 56.4
1945	53.5	30.4		30.4	27.2	.9	.5	.1	.1	1.6	23.1	7.4	15.3	.4	23.0	.1	50.1

Represents zero.
 Z Less than \$50 million.

 ^{\$100,000} denomination or larger.
 Credit union deposits at savings and loan associations.

FINANCIAL MARKETS AND INSTITUTIONS

Series X 293-327. U.S. Government Securities: 1945 to 1970

							Dillions	i donais.	110 01 10	ccember o	*,						
		1	reasury d	lirect issue	8		Otl	her					Holdings,	by sector			
						_									Private o	lomestic	
Year	Total out- stand- ing	Total	House- hold	Short- term	Other	Total	Budget agency	Loan partici- pation	Spon-	U.S. Govern- ment	Spon- sored credit	Federal Reserve	Foreign			vate dome onfinancia	
1641	Ing	1001	savings bonds	market- able	direct		issues	certifi- cates 1	agency issues ²	(agency secu- rities)	agen- cies	System		Total	Total	Direct issues (incl. savings bonds)	Agency issues ¹
	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309
1970 1969 1968 1967 1966	339.2 817.6 312.1 295.4 282.9	290.8 278.0 279.2 268.9 260.0	51.4 51.1 51.5 51.1 50.2	133.8 128.4 119.4 118.9 110.2	105.6 98.4 108.3 98.9 99.5	48.4 39.7 32.9 26.5 22.9	1.9 1.6 1.9 .5	7.1 7.5 9.4 7.7 8.7	39.3 30.6 21.6 18.4 18.9	(Z) 1.4 1.8 1.4	4.2 2.5 2.7 2.9 2.9	62.1 57.2 52.9 49.1 44.3	19.7 10.6 12.4 12.9 10.8	253.1 247.3 242.6 229.3 223.6	135.2 142.8 126.8 119.1 120.5	111.4 121.2 111.8 107.3 108.9	28.8 21.6 15.1 11.9 11.5
1965 1964 1963 1962 1961	274.2 270.5 263.9 258.4 250.1	257.7 256.4 251.0 246.9 240.7	49.6 49.0 48.0 46.9 46.4	108.8 105.8 101.1 99.8 98.9	99.3 101.6 101.9 100.2 95.3	16.5 14.2 12.9 11.5 9.5	.2 .2 .2 .1	2.4 2.0 1.2 1.4	13.8 11.9 11.5 10.0 8.5	(Z) (Z) (Z) (Z)	1.9 1.8 2.2 1.8 1.4	40.8 37.0 33.6 30.8 28.9	13.2 18.4 12.9 12.3 11.0	218.2 218.3 215.1 213.5 208.8	111.7 109.5 108.5 104.3 102.9	104.6 103.4 102.8 99.3 98.3	7.1 6.1 5.7 4.9 4.6
1960 1959 1958 1957 1956	242.5 244.3 235.3 226.3 227.3	234.0 236.2 228.8 219.8 222.5	45.6 45.9 47.7 48.2 50.1	88.2 84.7 79.4 82.2 75.4	100.1 105.5 101.7 89.3 97.0	8.5 8.1 6.5 6.5 4.8	.1 .8 .8 1.4 .6	.6 .2 .8 .3 .8	7.9 7.1 4.9 4.8 3.4	(Z) (Z) (Z) (Z)	1.5 1.4 1.3 1.2 1.2	27.4 26.6 26.3 24.2 24.9	10.6 10.0 7.0 6.9 6.7	203.1 206.3 200.7 194.1 194.4	103.8 108.9 96.3 98.9 99.0	99.3 104.2 93.8 95.9 97.2	4.5 4.7 2.4 3.0 1.8
1955 1954 1953 1952 1951	232.6 232.5 230.1 223.0 218.1	228.0 228.1 225.7 220.3 215.8	50.2 50.0 49.4 49.2 49.1	69.0 65.1 79.8 63.9 51.3	108.8 113.0 96.6 107.3 115.5	4.6 4.4 4.4 2.7 2.3	.6	1.0 2.3 2.3 .6 .2	3.0 2.1 2.1 2.1 2.1	(Z) (Z) (Z) (Z)	1.0 .8 .6 .5	24.8 24.9 25.9 24.7 23.8	5.8 4.8 4.5 4.1 3.0	201.0 201.9 199.0 193.8 190.9	101.6 94.3 96.8 93.8 93.6	100.3 93.8 96.2 93.4 93.2	1.4 .5 .5 .5 .4
1950 1949 1948 1947 1946	218.3 219.1 216.7 222.1 229.2	216.1 216.7 214.2 220.7 227.9	49.6 49.3 47.8 46.2 44.2	16 16 17	6.6 7.4 6.3 4.5 3.8	2.2 2.5 2.5 1.4 1.3		1.0 .9 .1	1.8 1.4 1.6 1.3 1.2		.4 .5 .5 .3	20.8 18.9 23.3 22.6 23.4	3.1 1.9 1.6 1.2 1.9	194.1 197.9 191.3 198.0 203.6	93.4 90.3 87.4 86.1 84.8	93.1 90.0 87.0 85.8 84.6	.4 .3 .4 .3 .2
1945	252.4	251.2	42.9	20	8.2	1.2	- -	.3	.9		.4	24.3	2.6	225.2	92.0	92.0	.1

		Private domestic holdings—Con.																
Year	Private domestic nonfinancial—Con.			Comr	Commercial banking			Private nonbank finance										
	House- holds	Corporate nonfinancial business	State- local gov- ern- ments	Total	Treas- ury direct issues	Agency issues	Total	Treas- ury direct issues	Agency issues	Sav- ings and loan associ- ations	Mutual savings banks		Life insur- ance	Non- life insur- ance	Private pension funds		Invest- ment com- panies (direct)	rities brokers and
	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327
1970	100.4 104.8 92.7 88.2 89.0	7.4 10.4 11.6 10.7 13.0	27.4 27.7 22.5 20.2 18.4	76.9 67.5 76.9 78.4 64.0	63.2 57.4 66.6 64.3 57.9	13.6 10.1 10.3 9.1 6.1	41.0 36.9 38.9 36.7 39.2	30.1 29.1 32.8 32.4 35.2	10.9 7.9 6.1 4.4 3.9	12.3 11.1 10.9 10.1 8.6	4.9 4.7 5.2 5.4 5.7	1.3 .8 .7 .5	4.2 4.1 4.4 4.5 4.7	4.8 4.2 4.7 4.9 5.6	3.0 2.8 2.9 2.5 3.1	6.9 6.9 7.2 6.9 7.9	0.9 .7 1.1 .9 1.4	3.4 1.7 1.8 1.0
1965	80.7 79.0 77.0 73.0 72.7	14.4 15.8 16.7 16.8 16.5	16.6 14.7 14.8 14.5 13.7	67.4 69.8 69.4 72.1 70.7	61.4 64.4 64.7 67.7 67.7	6.0 5.3 4.7 4.4 3.0	39.1 39.1 37.3 37.1 35.2	35.8 36.3 34.8 34.9 33.3	3.3 2.8 2.4 2.2 1.9	8.2 7.6 7.0 6.0 5.7	6.2 6.5 6.5 6.7 6.6	.3 .3 .2 .2	5.1 5.6 5.9 6.2 6.1	6.0 6.0 5.9 5.7 5.6	3.6 3.6 3.4 3.1 2.8	7.8 7.4 6.9 6.5 6.1	.8 .7 .7	1.1 1.4 .7 2.0 1.3
1960 1959 1958 1957 1957	73.5 73.3 67.8 70.7 70.4	16.9 22.8 16.7 16.4 17.1	13.4 12.8 11.7 11.8 11.5	64.9 62.7 71.0 62.4 62.5	62.6 60.8 68.0 60.0 60.0	2.3 1.9 3.0 2.4 2.4	34.5 34.6 33.5 32.8 32.9	32.7 33.2 32.4 31.7 32.3	1.8 1.5 1.1 1.1 .6	5.2 4.9 4.2 3.6 2.9	6.7 7.3 7.6 7.9 8.2	.2 .2 .2 .2	6.5 7.0 7.3 7.1 7.6	5.6 5.8 5.5 5.6 5.7	2.7 2.8 2.6 2.5 2.7	5.9 5.6 5.1 5.2 5.0	.6 .6 .4 .3	1.0 .4 .6 .4 .2
1955 1954 1953 1952 1951	69.2 66.6 68.6 68.3 68.1	21.6 17.5 19.2 17.6 18.7	10.8 10.2 9.0 7.8 6.9	65.3 73.4 67.7 66.0 63.8	62.5 69.7 64.1 63.9 62.0	2.9 3.7 3.6 2.1 1.8	34.1 34.2 34.5 34.0 33.5	33.7 34.0 34.3 33.8 33.4	.4 .2 .2 .2 .2	2.5 2.0 1.9 1.8 1.6	8.6 8.8 9.3 9.5 9.9	.1 .1 .1 .1	8.6 9.1 9.9 10.3 11.0	6.1 6.2 6.1 5.8 5.5	2.9 2.6 2.5 2.3 2.1	4.7 4.4 3.9 3.4 2.9	.3 .2 .1 .1	.3 .7 .6 .7
1950	69.1	17.9 14.7 12.9 12.3 12.8	6.5 6.0 6.0 5.5 4.9	64.3 69.5 65.0 70.7 76.3	62.4 67.4 63.0 69.6 75.3	1.8 2.1 2.0 1.1 1.1	36.4 38.1 38.9 41.3 42.5	86.4 88.1 38.8 41.3 42.5	(Z) (Z) .1 (Z) (Z)	1.5 1.5 1.5 1.7 2.0	10.9 11.5 11.6 12.0 11.8	.1 .1 .1 .1	13.5 15.3 16.8 20.0 21.6	5.3 4.8 4.4 3.9 3.3	2.0 1.9 1.7 1.4 1.2	2.5 2.3 2.1 1.9 1.7	.1 .1 .1 (Z) (Z)	.6 .7 .8 .3
1945	68.3	18.5	5.2	92.3	91.2	1.1	40.8	40.8	(Z)	2.4	10.7	.1	20.6	2.7	.9	1.5	(Z)	1.9

Represents zero.
 Z Less than \$50 million.
 Where not shown separately, loan participations are included with agency issues.

² These issues are outside the budget and outside the U.S. Government sector in flow-of-funds accounts. They are included in credit market debt of financial institutions.

Series X 328-378. Bonds and Mortgages: 1945 to 1970

		Loans										
Year	Total	Households	Corporate business	State-local govern- ment general funds	Commer- cial banks	Mutual savings banks	Life insurance companies	Other insurance companies	State-local govern- ment retirement funds	Brokers and dealers	from U. S. Govern- ment	Total credit market debt
	328	329	330	331	332	333	334	335	336	337	33 8	339
1970 1969 1968 1967 1967	146.2 132.4 124.4 114.4 106.0	47.4 45.4 38.2 38.4 40.1	2.2 2.8 3.8 3.9 3.6	2.3 2.2 2.2 2.1 2.1	70.2 59.5 58.9 50.3 41.2	0.2 .2 .2 .2 .3	3.8 3.2 3.2 3.0 3.1	17.8 16.3 15.1 14.1 12.6	2.0 2.3 2.4 2.4 2.5	0.9 .4 .5 .5	4.8 4.7 4.0 3.6 3.4	151.1 137.1 128.4 117.9 109.5
1965 1964 1968 1962 1961	100.3 93.0 87.3 81.4 76.1	36.4 34.7 32.7 31.2 32.2	4.6 3.7 3.8 2.7 2.4	2.2 2.2 2.3 2.6 2.8	38.9 33.7 29.7 26.2 20.5	.3 .4 .4 .5 .7	3.5 3.8 3.9 4.0 3.9	11.3 11.0 10.6 9.9 9.1	2.6 2.9 3.3 3.8 4.3	.5 .7 .5 .5	2.8 2.5 2.2 2.0 1.5	103.1 95.5 89.5 83.4 77.5
1960	70.8 65.6 59.5 54.0 49.6	30.8 27.3 24.3 23.5 21.7	2.4 2.7 2.0 1.5 1.3	2.7 2.7 2.7 2.6 2.5	17.7 17.1 16.7 14.1 13.1	.7 .7 .7 .7	3.6 3.2 2.7 2.4 2.2	8.1 7.2 6.2 5.6 4.9	4.4 4.3 4.0 3.5 3.1	.4 .3 .2 .2	1.2 1.0 .9 .7 .5	72.1 66.6 60.4 54.7 50.1
1955 1954 1958 1952 1951	45.8 40.6 34.6 30.2 27.4	19.3 16.0 13.5 11.5 10.4	1.2 1.0 1.0 .8 .8	2.5 2.5 2.3 2.1 2.1	12.9 12.7 11.0 10.3 9.3	.6 .6 .4 .3	2.0 1.8 1.3 1.1	4.2 3.4 2.6 1.9	2.7 2.4 2.1 1.9 1.7	.3 .3 .4 .2 .4	.5 .4 .8 1.1	46.3 41.1 35.4 31.3 28.2
1950 1949 1948 1947 1946	25.2 21.9 19.3 17.2 15.7	10.0 9.5 8.8 7.8 7.4	.7 .5 .5 .4 .3	2.0 1.7 1.4 1.4 1.5	8.2 6.6 5.7 5.3 4.4	.1 .1 .1 .1	1.2 1.1 .9 .6	1.1 .8 .5 .3	1.5 1.3 1.2 1.0 .9	.4 .3 .3 .2 .3	.6 .5 .6 .5	25.8 22.4 19.9 17.7 16.2
1945	15.7	7.3	.3	1.8	4.0	.1	.7	.2	.8	.8	.5	16.2

							Cor	porate and	l foreign h	onds						
		Liabilities				Assets of—										
Year	Total, liabilities or assets	Corpo- rate business	Finance com- panies	Com- mercial banks	Rest of the world	House- holds	State and local govern- ment	Com- mercial banks	Mutual savings banks	Life insur- ance com- panies	Private pension funds	State- local govern- ment retire- ment funds	Other insur- ance com- panies	Brokers and dealers	Invest- ment com- panies	Rest of the world
	340	341	342	343	344	345	346	347	348	349	350	3 51	352	353	354	355
1970 1969 1968 1967 1966	206.3 182.0 168.3 153.4 137.2	167.9 147.6 135.6 122.7 108.0	22.9 20.3 18.8 17.9 16.9	2.4 2.3 2.2 2.0 1.7	13.2 11.7 11.7 10.8 10.5	39.8 27.4 21.7 16.8 12.8	4.9 7.0 5.1 4.9 4.4	2.7 1.9 2.0 1.7	8.3 6.9 6.6 5.3 3.2	74.1 72.7 71.2 67.3 63.5	29.7 27.6 27.0 26.4 25.2	31.8 27.9 24.8 22.3 18.9	8.6 6.3 5.5 4.3 3.6	0.5 .4 .2 .6 .6	4.3 3.6 3.4 3.0 2.9	1.7 .4 .9 .9
1965	125.7 116.6 109.0 102.4 96.5	97.8 92.4 88.4 84.5 80.0	16.1 14.3 12.2 10.7 10.4	1.6 .8 .2	10.2 9.2 8.2 7.2 6.2	11.3 10.0 9.5 9.7 10.3	3.8 3.1 2.4 1.8 1.3	.8 .9 .8 .8	2.9 3.1 3.2 3.5 3.6	61.1 58.3 56.0 53.2 50.7	22.7 21.2 19.6 18.1 16.9	16.3 14.2 12.8 10.4 8.5	3.0 2.4 2.0 2.1 1.7	.5 .5 .6 .4	2.6 2.1 1.8 1.6 1.6	.7 .9 .7 .7
1960 1959 1958 1957 1956	80.7	75.3 71.9 68.9 63.2 56.9	9.9 8.3 7.2 7.1 6.3		5.6 4.9 4.5 3.7 3.3	9.8 9.4 9.5 8.5 7.4	1.5 .9 .9 .6	1.1 1.3 1.4 1.4 1.3	3.8 3.6 3.8 3.2 2.7	48.2 46.5 44.3 41.8 39.2	15.7 14.1 12.8 11.3 9.5	6.7 5.5 4.6 3.8 3.0	1.7 1.6 1.5 1.4 1.2	.5 .5 .7 .7	1.2 1.1 .9 .8 .7	.6 .5 .5 .4
1955 1954 1958 1952 1951	61.7 57.7 53.8 49.1 44.3	53.3 50.4 47.0 43.6 38.9	5.4 4.0 3.7 2.3 2.0		3.0 3.3 3.1 3.2 3.4	6.6 5.5 5.6 5.7 6.0	.7 .7 .6 .6	1.7 1.9 2.1 2.1 2.2	2.6 2.9 2.8 2.5 2.2	37.0 35.3 33.3 30.6 27.5	7.9 6.9 5.6 4.5 3.5	2.5 1.9 1.4 .9	1.2 1.1 1.1 1.0 .8	.9 .7 .6 .6	.5 .4 .3 .3	.3 .2 .3 .2 .2
1950	30.7	35.7 34.2 31.4 27.2 24.4	1.7 1.4 1.0 .5		1.7 3.2 2.9 2.9 2.9	4.9 7.5 7.7 8.1 8.7	.8 .2 .2 .1	2.2 2.1 1.9 2.2 2.2	2.1 2.1 1.9 1.5 1.1	24.8 22.9 20.4 16.1 13.1	2.8 1.9 1.5 1.2	.6 .4 .3 .2 .2	.7 .7 .7 .6	.4 .6 .4 .4	.2 .2 .2 .1	.2 .2 .1 .2 .2
1945	26.6	23.5	.2		2.9	9.6	.2	2.2	.9	11.8	.7	• .1	.5	.5	.1	.5

FINANCIAL MARKETS AND INSTITUTIONS

Series X 328-378. Bonds and Mortgages: 1945 to 1970—Con.

[In billions of dollars. As of December 31]

		Total mortgages														
					Assets of—											
	Total		U. S. Govern- ment		P	rivate nonfin		State and								
Year	mortgage credit	Savings and loan associa-		Total	Households			Business		Households	local govern- ments,	U. S. Govern-	FNMA 1 and land			
		tions				Nonprofit institutions	Farm	Nonfarm non- corporate	Corporate		general funds	ment	banks			
	356	357	358	359	360	361	362	363	364	365	366	367	368			
1970 1969 1968 1967	451.7 425.3 397.5 370.2 347.4	3.1 2.5 2.4 2.3 1.3	1.5 1.6 1.7 1.7	447.2 421.3 393.4 366.3 344.4	273.1 260.4 244.1 229.4 219.0	20.5 19.1 17.8 16.7 15.5	31.2 29.5 27.5 25.5 23.3	45.1 40.3 36.6 33.2 29.5	77.8 72.1 67.3 61.6 57.1	42.5 40.2 38.4 36.6 35.7	2.2 2.2 2.2 2.2 2.2 2.1	9.5 9.1 8.4 7.8 6.4	23.6 17.8 13.3 11.1 9.4			
1965	325.8 300.1 274.3 248.6 226.2	2.2 2.2 2.5 2.0 1.6	1.8 1.8 1.8 1.7 1.5	321.7 296.1 269.9 244.9 223.2	206.4 191.1 175.1 160.4 147.7	14.2 13.1 12.0 11.0 10.1	21.2 18.9 16.8 15.2 13.9	27.1 24.0 20.6 17.8 15.6	52.8 49.0 45.4 40.5 36.0	34.3 35.1 34.8 34.5 33.5	2.1 2.2 2.2 2.1 2.0	5.6 5.7 5.8 6.3 6.1	6.8 5.7 5.4 5.9 5.7			
1960 1959 1958 1957 1956	206.8 190.8 171.8 156.5 144.5	1.2 1.3 1.2 .9	1.3 .8 .5 .1	204.4 188.7 170.1 155.6 143.6	136.8 126.0 113.4 104.6 95.8	9.2 8.3 7.5 6.7 5.9	12.8 12.1 11.1 10.4 9.8	13.6 12.8 11.6 10.4 10.1	32.0 29.5 26.5 23.6 21.9	31.8 29.9 28.1 25.8 23.9	1.3 1.4 1.1 1.0 .9	5.8 5.6 4.3 3.9 3.6	5.5 4.4 3.5 3.6 2.4			
1955 1954 1953 1952 1951	129.9 113.7 101.3 91.4 82.3	.9 .8 .6 .5		129.0 112.9 100.7 90.9 81.9	84.6 72.4 63.8 56.1 49.7	5.2 4.6 3.9 3.4 2.9	9.0 8.2 7.7 7.2 6.7	9.8 9.1 8.4 8.1 7.5	20.3 18.5 16.9 16.1 15.2	22.4 21.2 20.0 19.0 18.3	.7 .6 .5 .4	3.6 3.3 3.3 2.9 2.4	1.6 1.3 1.2 1.1 1.0			
1950 1949 1948 1947 1946	72.8 62.7 56.2 48.9 41.8	.3 .3 .2 .2 .1		72.5 62.4 56.0 48.7 41.7	42.6 35.2 81.1 26.1 21.8	2.4 1.8 1.3 .9 .7	6.1 5.6 5.3 5.1 4.9	7.1 6.3 5.6 5.1 4.3	14.4 13.5 12.7 11.6 10.0	17.4 16.7 15.9 14.8 13.5	.2 .2 .1 .1	1.8 1.5 1.0 .9 1.0	1.0 .9 .9 .9			
1945	85.5	(Z)		35.5	18.0	.5	4.8	3.7	8.5	12.0	-	1.4	1.0			

Assets of	total mortgages—Co	n.
Private	financial institutions	

Savings institutions Insurance Year State and local government retirement funds Total Commercial banks Finance companies Savings and loan associations Mutual Credit Life Private Other savings banks unions insurance companies pension funds insurance 371 372 373 374 375 376 377 378 374.0 356.0 335.2 313.1 293.9 57.9 56.1 53.5 50.5 47.3 0.8 .7 .7 .7 .6 73.3 70.7 65.7 59.0 54.4 150.3 140.2 130.8 121.8 4.3 4.2 4.1 4.1 3.9 6.8 6.0 5.4 5.0 4.5 0.2 .2 .2 .2 5.9 5.7 4.9 4.3 3.9 114.4 276.9 251.4 226.1 199.9 178.9 49.7 44.0 39.4 34.5 30.4 44.6 40.6 36.2 32.3 29.1 60.0 55.2 50.5 46.9 44.2 3.3 2.7 2.2 1.9 1.6 3.7 3.1 2.6 2.2 1.9 4.5 3.9 3.5 2.7 2.2 .6 .5 .5 .4 162.5 149.6 134.8 122.2 113.7 28.8 28.1 25.5 23.3 22.7 26.9 25.0 23.3 21.2 19.7 60.1 53.1 45.6 40.0 35.7 41.8 39.2 37.1 35.2 33.0 1.5 1.0 .7 .5 1.3 1.0 .7 .6 .4 1.6 1.6 1.4 .9 .4 .3 .3 .3 .1 .2 .2 .2 1959 1958 1957 1.3 101.7 87.3 76.4 68.0 60.3 21.0 18.6 16.9 15.9 14.7 31.4 26.1 22.0 18.4 15.6 17.5 15.0 12.9 11.4 9.9 1.4 .8 .6 .6 29.4 26.0 23.3 21.3 19.3 .2 .1 .1 .1 .3 .2 .2 .1 .3 .2 .2 .1 .2 .1 .1 .1 -----1952 1951 1950 1949 1948 1947 52.5 43.5 38.3 32.2 26.3 13.7 11.6 10.9 9.4 7.2 13.7 11.6 10.3 8.9 7.1 8.3 6.7 5.8 4.9 4.4 16.1 12.9 10.8 8.7 7.2 .1 .1 .1 .1 .1 .1 .1 .1 .1 .5 .2 .2 .2 (Z) (Z) (Z) (Z) (Z) (Z) (Z) (Z)

4.2

(Z)

5.4

4.8

21.2

6.6

(Z)

.1

.1

¹⁹⁴⁵ Represents zero.
Z Less than \$50 million.

¹ Federal National Mortgage Association.

Series X 379-392. Summary of Corporate Equities Market: 1945 to 1970

		Type of issue		Investor group												
Year	Total	Open-end invest- ment companies	Other	Total	Households	Mutual savings banks	Commer- cial banking	Life insurance companies	Private pension funds	Other insurance companies	State and local govern- ment retirement funds	Open-end invest- ment companies	Brokers and dealers	Rest of the world		
	379	380	381	382	383	384	385	386	387	388	389	390	391	392		
	HOLDINGS AT MARKET VALUE (as of December 31)															
1970 1969 1968 1967 1966	928.8 931.9 1,035.8 889.6 700.7	47.6 48.3 52.7 44.7 34.8	881.2 883.6 983.2 844.9 665.9	928.8 931.9 1,035.8 889.6 700.7	763.1 775.5 874.4 754.6 595.5	2.5 2.2 1.9 1.7 1.5	0.5 .4 .4 .3 .2	15.4 13.7 13.2 10.9 8.8	67.2 61.6 61.4 51.1 39.5	13.2 13.3 14.6 13.0 11.0	8.0 5.9 4.1 2.8 2.1	39.7 40.9 46.1 39.2 28.9	0.5 .4 .2 .6	18.7 18.1 19.6 15.5 12.6		
1965 1964 1963 1962 1961	778.0 684.1 597.0 505.7 574.0	35.2 29.1 25.2 21.3 22.9	742.8 655.0 571.8 484.4 551.1	778.0 684.1 597.0 505.7 574.0	667.0 588.7 514.9 437.8 501.6	1.4 1.3 1.2 1.0	.2 .1 .1 .1	9.1 7.9 7.1 6.3 6.3	40.7 33.5 27.7 21.9 22.9	12.0 11.4 10.0 8.6 9.3	1.6 1.3 1.0 .8	30.9 25.6 22.1 18.3 20.3	.5 .5 .6 .4	14.6 13.8 12.5 10.3 11.8		
1960 1959 1958 1957 1956	451.0 454.0 418.0 299.0 338.0	17.0 15.8 13.2 8.7 9.0	434.0 438.2 404.7 290.3 328.9	451.0 454.0 418.0 299.0 338.0	396.1 402.7 374.0 267.7 305.4	.8 .9 .8	.1 .1 .1 .1	5.0 4.6 4.1 3.4 3.5	16.5 14.5 11.6 7.5 7.1	7.5 7.2 6.7 5.2 5.6	.4 .3 .3 .2 .2	14.8 13.9 11.7 7.4 7.9	.5 .5 .7 .7	9.3 9.4 8.3 6.1 7.0		
1955 1954 1953 1952 1951	317.0 258.0 179.0 186.0 170.0	7.8 6.1 4.1 3.9 3.5	309.2 251.9 174.9 182.1 166.5	317.0 258.0 179.0 186.0 170.0	286.7 235.0 162.4 170.4 156.4	.7 .6 .4 .3	(Z) (Z) (Z) (Z) (Z)	3.6 3.3 2.6 2.4 2.2	6.1 3.2 2.4 1.8 1.4	5.4 4.5 3.3 3.2 2.9	.1 .1 .1 .1 (Z)	6.9 5.4 3.5 3.3 2.9	.9 .7 .6 .6	6.6 5.3 3.7 3.7 3.5		
1950 1949 1948 1947 1946	146.0 120.0 108.0 109.0 111.0	3.3 3.1 1.5 1.4 1.3	142.7 116.9 106.5 107.6 109.7	146.0 120.0 108.0 109.0 111.0	133.7 109.5 100.2 101.3 103.5	.2 .2 .2 .1 .2	SSSSS	2.1 1.7 1.4 1.4 1.2	1.1 .6 .5 .4 .3	2.6 2.2 1.8 1.7 1.7	SSSSS	2.9 2.7 1.2 1.2 1.0	.4 .6 .4 .4	2.9 2.5 2.3 2.5 2.7		
1945	119.0	1.3	117.7	119.0	111.6	.2	(Z)	1.0	.2	1.8	(Z)	1.0	.5	2.7		
		11 1			<u> </u>	NET PU	RCHASES AT	TRANSACTIO	N VALUE	1	,					
1970 1969 1968 1967 1966	9.5 10.3 4.0 4.9 4.6	2.6 5.5 4.7 2.6 3.7	6.9 4.7 7 2.3	9.5 10.3 4.0 4.9 4.6	-2.6 -4.1 -7.6 -4.2 -1.0	0.3 .2 .3 .2 (Z)	(Z) .1 .1 .1	2.0 1.7 1.4 1.0 .3	4.6 5.4 4.7 4.6 3.7	1.0 1.0 .8 .3 .4	2.1 1.8 1.3 .7	1.1 2.5 1.5 1.5 1.0	0.2 5 1 (Z)	0.7 1.6 2.1 .7 3		
1965 1964 1963 1962 1961	3.4 3.5 1.1 2.5 4.9	3.1 1.9 1.2 1.8 1.9	$\begin{array}{c} .3 \\ 1.6 \\1 \\ .7 \\ 3.0 \end{array}$	3.4 3.5 1.1 2.5 4.9	-1.9 1 -2.7 -2.0 .4	.2 .1 .1 .1	(Z) (Z) (Z) (Z) (Z)	.7 .5 .2 .4 .5	3.1 2.2 2.2 2.2 2.3	.1 .1 .2 .2 .3	.4 .3 .2 .2 .2	1.2 .7 .6 1.1 1.0	1 1 .1 (Z)	4 3 .2 .1 .3		
1960 1959 1958 1957 1956	3.3 4.3 3.9 3.9 3.8	1.5 1.7 1.4 1.2 1.1	1.8 2.6 2.5 2.7 2.7	3.3 4.3 3.9 3.9 3.8	4 .6 1.5 1.5 1.9	(Z) (Z) .1 .1	(Z) (Z) (Z) (Z) (Z)	(Z) (Z)	1.9 1.7 1.4 1.1 .9	.3 .3 .1 .1	(Z)	1.0 1.0 .8 .6	(Z) 3 1 2	.2 1 1 .3		
1955 1954 1953 1952 1951	2.9 2.6 2.3 3.0 2.4	.9 .5 .4 .5	2.1 2.1 1.9 2.5 2.1	2.9 2.6 2.3 3.0 2.4	1.1 .7 .9 1.6 1.6	.1 .1 .1 .1	(Z) (Z) (Z) (Z) (Z)	.1 .3 .1 .2 .1	.7 .7 .5 .5	.2 .2 .2 .2	(Z) (Z) (Z) (Z) (Z)	.5 .3 .4 .4	(Z) .1 (Z)	(Z) .1		
1950 1949 1948 1947 1946	1.7 1.6 1.2 1.4 1.4	.2 .3 .1 .2 .3	1.5 1.3 1.1 1.2 1.1	1.7 1.6 1.2 1.4 1.4	.7 .8 1.0 1.1 1.1	(Z) (Z) (Z) (Z)	(Z) (Z) (Z)	(Z) .3 .2 .3	.5 .1 .1 .1	(Z) (Z)	(Z) (Z) (Z) (Z)	.1 .2 .1 .2 .1	1 (Z) (Z) 1	(Z) (Z) 1 2 1		

⁻ Represents zero.

Z Less than \$50 million, or less than -\$50 million.

Net Public and Private Debt (Series X 393-409)

X 393-409. Net public and private debt, by major sectors, 1916-1970.

Source: U.S. Bureau of Economic Analysis (formerly Office of Business Economics), Survey of Current Business, May 1969, p. 11; May 1970, p. 14; and May 1973, p. 13.

The source publications include details for the sectors shown here as well as data on gross debt.

Net debt for the public sectors of the economy represents total outstanding indebtedness minus intrasector holdings of such debt, e.g., total Federal debt minus such portions of that debt as are held by the Treasury and by Federal agencies. State and local debt includes State loans to local units. Net corporate debt represents total corporate debt minus intercompany debts of affiliated companies. Figures for the noncorporate private debt are gross, with no adjustment for intrasector holdings.

All sectors of both gross and net debt exclude (a) deposit liability of banks and banknotes in circulation, (b) value of outstanding policies and annuities of life insurance carriers, (c) short-term debt of individuals and unincorporated nonfinancial business concerns held by other individuals and unincorporated businesses, and (d) nominal corporate debt, such as bonds authorized but not issued, and issued but reacquired.

Series X 395 includes debt of Federal agencies included within the Budget. The debt of Federal agencies not included in the Budget is shown in series X 396. Series X 403 represents agricultural loans to farmers and farmers' cooperatives by institutional lenders. Series X 408 and X 409 include debt owed by farmers for financial and consumer purposes.

*	* * * * * * * * * More Recent Data for Historical Statistics Series * * * * * * * * * * * *	*
*		¥
*	Statistics for more recent years in continuation of many of the still-active series shown here appear	×
*	in annual issues of the Statistical Abstract of the United States, beginning with the 1975 edition. For	k
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NET PUBLIC AND PRIVATE DEBT

Series X 393-409. Net Public and Private Debt, by Major Sectors: 1916 to 1970

[In billions of dollars. As of end of year]

			Pu	blic							Priv	ate					
								Corporate				Indi	vidual and	l noncorp	orate		
	Total		Fed-	Federal finan-	State						Far	m 4		farm tgage	Ot	her nonfa	rm
Year		Total	erai 1	cial agen- cies ²	and local	Total	Total	Long 3 term	Short 3 term	Total	Produc- tion	Mort- gage	1- to 4- family	Multi- family resi- dential and com- mercial	Com- mercial	Finan- cial ⁵	Con- sumer
	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409
1970 1969 1968 1967 1966	1,854.1 1,735.0 1,582.5 1,438.7 1,838.7	484.7 452.4 437.1 408.8 387.9	301.1 289.3 291.9 286.5 271.8	38.8 30.6 21.4 9.0 11.2	144.8 132.6 123.9 113.4 104.8	1,869.4 1,282.6 1,145.4 1,029.9 950.8	793.5 734.2 631.5 553.7 506.6	360.2 323.5 283.6 255.6 231.3	433.4 410.7 347.9 298.1 275.3	575.9 548.4 513.9 476.2 444.2	27.5 26.0 24.3 22.8 19.1	31.2 29.5 27.5 25.5 23.3	274.6 261.5 246.5 232.0 219.6	46.3 42.4 38.4 34.9 32.0	35.8 35.6 33.4 31.1 29.4	38.3 32.3 33.0 29.1 24.5	127.2 121.1 110.8 100.8 96.2
1965 1964 1963 1962 1961	11.070.9	373.7 361.9 348.6 335.9 321.2	266.4 264.0 257.5 253.6 246.7	8.9 7.5 7.2 5.3 4.0	98.3 90.4 88.9 77.0 70.5	870.0 789.7 722.8 660.1 609.1	454.3 409.6 376.4 348.2 324.3	209.4 192.5 174.8 161.2 149.3	244.9 217.1 201.7 187.0 174.9	415.7 380.1 345.8 311.9 284.8	18.1 17.1 16.4 15.0 13.6	21.2 18.9 16.8 15.2 13.9	208.7 193.3 177.1 161.9 148.9	28.1 25.6 21.5 18.4 15.6	27.0 23.5 21.5 19.3 17.9	22.7 21.5 20.8 18.3 16.9	89.9 80.3 71.7 63.8 58.0
1960 1959 1958 1957 1956	874.2 833.0 769.6 728.3 698.4	308.1 304.7 287.2 274.0 271.2	239.8 241.4 231.0 223.0 224.3	3.5 3.7 2.5 2.4 2.4	64.9 59.6 53.7 48.6 44.5	566.1 528.3 482.4 454.3 427.2	302.8 283.3 259.5 246.7 231.7	139.1 129.3 121.2 112.1 100.1	163.7 154.0 138.4 134.6 131.7	263.3 245.0 222.9 207.6 195.5	12.3 11.7 12.1 9.8 9.6	12.8 12.1 11.1 10.4 9.8	137.4 127.3 114.5 105.2 96.8	13.9 13.7 13.6 12.9 12.6	16.6 15.3 13.7 13.2 13.3	14.2 18.4 12.8 11.1 11.1	56.1 51.5 45.1 45.0 42.3
1955 1954 1953 1953 1952 1951	665.8 605.9 581.6 550.2 519.2	273.6 265.9 258.9 249.8 242.4	229.6 229.1 226.8 221.5 216.9	2.9 1.3 1.4 1.3 1.3	41.1 35.5 30.7 27.0 24.2	392.2 340.0 322.7 300.4 276.8	212.1 182.8 179.5 171.0 162.5	90.0 82.9 78.3 73.3 66.6	122.2 100.0 101.2 97.7 95.9	180.1 157.2 143.2 129.4 114.8	9.7 9.3 9.1 8.0 7.0	9.0 8.2 7.7 7.2 6.7	86.3 74.1 64.7 57.1 50.4	12.4 12.3 12.0 11.8 11.3	12.4 10.4 9.9 10.8 9.5	11.6 10.4 8.5 7.5 6.7	38.8 32.5 31.4 27.5 22.7
1950 1949 1948 1947 1946	486.2 445.8 481.3 415.7 396.6	239.8 237.4 232.9 237.4 243.2	217.4 217.6 215.3 221.7 229.5	.7 .7 .6 .7	21.7 19.1 17.0 15.0 13.7	246.4 208.4 198.4 178.3 153.4	142.1 118.0 117.8 108.9 93.5	60.1 56.5 52.5 46.1 41.3	81.9 61.4 65.3 62.8 52.2	104.3 90.4 80.6 69.4 59.9	6.2 6.4 5.5 3.5 2.7	6.1 5.6 5.3 5.1 4.9	43.9 36.4 32.0 27.1 22.1	10.9 10.7 10.4 10.1 9.7	8.9 7.9 7.8 7.1 6.2	6.9 6.0 5.1 4.8 5.9	21.5 17.4 14.4 11.6 8.4
1945 1944 1943 1942 1941	405.9 370.6 313.2 258.6 211.4	265.9 225.8 168.9 117.1 72.4	252.5 211.9 154.4 101.7 56.3		13.4 13.9 14.5 15.4 16.1	140.9 144.8 144.8 141.5 139.0	85.3 94.1 95.5 91.6 83.4	38.3 39.8 41.0 42.7 43.6	47.0 54.3 54.5 49.0 39.8	54.7 50.7 48.8 49.9 55.6	2.5 2.8 2.8 3.0 2.9	4.8 4.9 5.4 6.0 6.4	17.7 17.0 16.9 17.3 17.4	9.3 9.0 9.2 9.5 9.7	4.4 3.7 3.8 4.1 5.0	10.3 8.1 5.7 4.0 5.0	5.7 5.1 4.9 6.0 9.2
1940 1939 1938 1937 1936	189.8 183.3 179.9 182.2 180.6	61.2 59.0 56.6 55.3 53.9	44.8 42.6 40.5 39.2 37.7		16.4 16.4 16.1 16.1 16.2	128.6 124.3 123.3 126.9 126.7	75.6 73.5 73.3 75.8 76.1	43.7 44.4 44.8 43.5 42.5	31.9 29.2 28.5 32.3 33.5	53.0 50.8 50.0 51.1 50.6	2.6 2.2 2.2 1.6 1.4	6.5 6.6 6.8 7.0 7.2	16.5 15.5 15.0 14.7 14.6	9.6 9.5 9.5 9.6 9.8	4.3 3.8 10 11 11	.3	8.3 7.2 6.4 6.9 6.4
1935 1934 1933 1933 1932	175.0 171.6 168.5 175.0 182.9	50.5 46.3 40.6 37.9 34.5	34.4 30.4 24.3 21.3 18.5		16.1 15.9 16.3 16.6 16.0	124.5 125.3 127.9 137.1 148.4	74.8 75.5 76.9 80.0 83.5	43.6 44.6 47.9 49.2 50.3	31.2 30.9 29.0 30.8 33.2	49.7 49.8 51.0 57.1 64.9	1.5 1.3 1.4 1.6 2.0	7.4 7.6 7.7 8.5 9.1	14.7 14.8 14.6 15.8 17.2	10.1 10.7 11.7 13.2 13.7	10 11 11 14 17	.2 .7 .0	5.2 4.2 3.9 4.0 5.3
1930 1929 1928 1927 1926	186.3	31.2 30.1 30.2 30.3 30.3	16.5 16.5 17.5 18.2 19.2		14.7 13.6 12.7 12.1 11.1	161.1 161.8 156.1 147.6 138.9	89.3 88.9 86.1 81.2 76.2	51.1 47.8	38.2 41.6	71.8 72.9 70.0 66.4 62.7	2.4 2.6 2.7 2.6 2.6	9.4 9.6 9.8 9.8 9.7	26	14.1 13.2 .6 .9	21 22 21 21 21	.4 .6 .8	6.4 7.1 6.3 5.3 5.2
1925 1924 1923 1922 1921	146.7 140.2	30.6 30.4 30.4 30.7 30.1	20.3 21.0 21.8 22.8 23.1		10.3 9.4 8.6 7.9 7.0	132.8 123.0 116.3 109.5 106.2	72.7 67.2 62.6 58.6 57.0	l		59.6 55.8 53.7 50.9 49.2		9.7 9.9 10.7 10.8 10.7	18 16 14	.3 .6 .3 .1	21 20 20 19 19	.6 .0 .7	4.7 4.0 3.7 3.2 3.0
1920 1919 1918 1917 1916	117.5 94.5	29.9 31.1 26.0 12.1 5.7	23.7 25.6 20.9 7.3 1.2		6.2 5.5 5.1 4.8 4.5	105.8 97.2 91.5 82.4 76.5	57.7 53.3 47.0 43.7 40.2			48.1 43.9 44.5 38.7 36.3	2.5	10.2 8.4 7.1 6.5 5.8	10	.7 1.1 1.6 1.3	19 19	.3 25.1 20.4 20.1	3.0 2.6

¹ Net Federal debt (public and agency) is the outstanding debt held by the public as shown in *The Budget of the United States Government, Fiscal Year 1974.*² Comprises the debt of federally sponsored agencies, in which there is no longer any Federal proprietary interest. Includes obligations of the Federal Land Banks, beginning 1947; debt of the Federal Home Loan Banks, beginning 1951; and debts of the Federal National Mortgage Association, Federal Intermediate Credit Banks, and Banks for Cooperatives, beginning 1968.

³ Long-term debt has a maturity of 1 year or more; short-term debt, less than 1

⁵ Long-term upon has a manning of 2 year.

⁴ Farm production loans and farm mortgages. Farmers' financial and consumer debt is included in the nonfarm categories.

⁵ Financial debt is owed to banks for purchasing or carrying securities, customers' debt to brokers, and debt owed to life insurance companies by policyholders.

Money Supply and Gold (Series X 410-443)

X 410-443. General note.

The supply of money, in the sense of a means of payment, is defined broadly to include bank deposits and currency. A more restricted definition of the active money supply includes demand deposits and currency held by the public. Time deposits, including funds deposited in the Postal Savings System, have occasionally been included in the definition of the money supply. Prior to 1934, gold was also a part of the means of payment but in January of that year it was withdrawn from circulation, and, until August 1971, gold served as a means of settlement of international accounts only and, until March 1968, as a purely reserve money domestically.

As used here, the term "currency" includes coin and paper money issued by the Government and by banks. All currency is now issued by the Federal Reserve banks and the U.S. Treasury. In the series in this section three types of currency figures are shown: (a) Total currency stock (series X 420); (b) currency in circulation (series X 423-437), defined as coin and paper money outside the Treasury and Federal Reserve banks; and (c) currency outside banks, that is, currency in circulation less cash in the vaults of banks (series X 410).

Figures on currency in circulation have been compiled by the Treasury Department since 1800. They exclude currency held in the Treasury and Federal Reserve banks, gold and silver coin known to have been exported and, beginning January 31, 1934, all gold coin. They include currency held by the public within the United States, cash in the vaults of banks, currency lost or destroyed, and currency carried abroad and not appearing in the official gold and silver export figures.

At one time gold was the basic form into which all other types of currency could generally be converted. At present (1973–1974), however, the gold stock in most countries is held largely or entirely by central banks and Government treasuries. All gold belonging to the United States is held by the Treasury Department. Private gold holdings are forbidden except in limited amounts for licensed purposes. U.S. residents may purchase, hold, and sell domestic and foreign gold coins situated in the United States and minted before April 5, 1933. Gold coins minted after this date may be held if they have been determined to be of recognized special value to collectors. Gold may be held by Federal Reserve banks for account of foreign central banks or governments. Such earmarked gold, however, is not a part of the monetary gold stock of this country.

Prior to 1934, when gold coin and gold certificates were a part of the means of payment, they are included in series X 421, "currency held in Treasury"; series X 422, "currency in Federal Reserve banks"; and series X 423, "currency in circulation"; as well as in series X 424 and X 425, "gold coin" and "gold certificates" in circulation.

X 410-419. Money stock—currency, deposits, bank vault cash, and gold, 1867-1970.

Source: National Bureau of Economic Research, unpublished data. See also text for series X 263-275.

Series X 410-419 are annual averages of estimates by Milton Friedman and Anna Jacobson Schwartz.

Series X 411-413 represent total deposits adjusted, i.e., total deposits less U.S. Government deposits, interbank deposits, and cash items in process of collection. A distribution showing demand and time deposits is not available prior to 1915. Figures for bank vault cash are deducted from currency in circulation to arrive at currency outside banks.

 M_1 money supply, series X 414, includes currency outside the Treasury and bank vaults, demand deposits at all commercial banks,

and foreign demand balances at Federal Reserve Banks. M_2 money supply, series X 415, includes all of the above plus time deposits at commercial banks. Deposits at nonbank thrift institutions are thus excluded from both M_1 money supply and M_2 money supply.

For additional descriptive detail, see Milton Friedman and Anna Jacobson Schwartz, Monetary Statistics of the United States, National Bureau of Economic Research (NBER), 1970.

The sources from which the estimates were derived are as follows:

X 410-416: 1867-1906 averages based on quarterly estimates from Monetary Statistics of the United States, tables 2 and 21; 1907-1946 averages, on end-of-month estimates from table 1 (ibid.), except that series X 416 is from Friedman and Schwartz, A Monetary History of the United States, 1867-1960, NBER, 1960, table A-2.

X 410-415: 1947-1963 averages based on monthly averages of daily figures from U.S. Board of Governors of the Federal Reserve System, Federal Reserve Bulletin, December 1970, except that series X 411 and X 415 are from Monetary Statistics..., pp. 43-50; 1964-1970 averages based on daily figures from the Federal Reserve Bulletin, November 1971.

X 416: 1947-1970 averages were derived from unpublished monthly averages of the Federal Reserve Board's daily estimates.

X 417: 1869-1878 averages based on end-of-June figures from the Annual Report of the Secretary of the Treasury, 1928, p. 552, minus gold presumed lost (see Annual Report, Director of the Mint, 1907, pp. 87, 92). 1878-1913 averages based on end-of-month figures from the Annual Report of the Secretary of the Treasury, 1898, pp. 59 and 109; 1903, pp. 173 and 205; 1909, p. 190 (corrected for the amount of gold presumed lost); and 1915, p. 319. 1914-1946 averages derived from U.S. Board of Governors of the Federal Reserve System, Banking and Monetary Statistics, 1943, pp. 536-538 and Supplement, section 14, p. 14 (for 1914-1933, plus \$287 million to correct for gold presumed lost). 1947-1970 averages based on daily figures from Banking and Monetary Statistics, Supplement 10, pp. 16-19, and Federal Reserve Bulletin, monthly issues.

X 418: 1867-1906 averages based on annual or semiannual estimates in *Monetary Statistics*..., table 1; 1907-1946 averages derived from end-of-month estimates in table 1; 1947-1970 averages based on 12-month Federal Reserve Board estimates for the last Wednesday of the month from *Monetary Statistics*..., table 1, and *Federal Reserve Bulletin*, monthly issues.

X 419: 1897-1954 averages based on annual or quarterly estimates from Monetary Statistics..., table 1; 1955-1970 averages based on 12-month estimates from Monetary Statistics..., pp. 42-52, and Federal Home Loan Bank Board, Selected Balance Sheet Data, All Operating Savings and Loan Associations.

X 420-423. Currency stock and currency in circulation, 1800-1970.

Source: 1800-1859, U.S. Comptroller of the Currency, Annual Report, 1896, vol. I, p. 544; 1860-1970, U.S. Department of the Treasury, Annual Report of the Secretary of the Treasury, various issues. See general note for series X 410-443.

Currency stock (series X 420) and the total of its components (series X 421-423) involve a duplication to the extent that U.S. notes, Federal Reserve notes, Federal Reserve banknotes, and national banknotes, all included in full, are in part secured by gold, also included in full. The duplication of gold certificates, silver certificates, and Treasury notes of 1890 resulting from the equal amounts of gold

or silver held as security therefore has been eliminated. For a statement on this point, see footnotes to series X 420 and X 421. A description of security and reserves by type of currency is included in the text for series X 424–437, below. The text for series X 424–437 also describes more refined estimates of gold coin in circulation, 1873–1907 and 1913–1933, which, if incorporated into series X 420–423, would require similar adjustments in "total currency in the United States" and "currency in circulation."

The Annual Report of the Secretary of the Treasury for 1922 and subsequent years includes the following information concerning changes in the compilation of series X 420–423. The figures for 1860–1889 have been revised from the best data available in annual reports of the Secretary of the Treasury. The records are not complete and the figures for gold and silver in those years are only estimates. Beginning with 1890, the compilation is based on revised figures for June 30 of each year and therefore differs slightly from the monthly circulation statements issued by the Treasury. The compilation reflects revisions to take account of other changes in the circulation statement, chiefly in 1922 and 1927. These revisions are explained in the Annual Report of the Secretary of the Treasury as follows: 1922, p. 433; 1928, pp. 70–71 and 551.

X 424-437. Currency in circulation, by kind, 1800-1970.

Source: U.S. Department of the Treasury. Annual Report of the Secretary of the Treasury, 1947, p. 543; 1961, p. 636; 1964, p. 598; 1967, p. 656; and 1970, p. 240; except series X 437, 1800-1859, Annual Report of the Comptroller of the Currency, 1916, vol. II, p. 45.

See general note for series X 410-443 and text for series X 420-423. More detailed annual data on currency stock and circulation, by kind, are shown in the annual reports of the Secretary of the Treasury and the Comptroller of the Currency.

The security and reserve provisions for the different types of currency are described in the Annual Report of the Secretary of the Treasury, 1972, p. 245.

- X 425, gold certificates. Following the enactment of the Old Series Currency Adjustment Act in 1961, gold certificates (issues prior to series of 1934) are redeemable from the general fund of the Treasury and upon redemption will be retired. Prior to 1961, gold certificates were fully secured by gold in the Treasury.
- X 427, silver certificates. Originally secured by silver bullion at monetary value (\$1.29+ per fine troy ounce) and standard silver dollars held in the Treasury. Since enactment of the Old Series Currency Adjustment Act in 1961, silver certificates issued before July 1, 1929, have been payable from the general fund; certificates issued on or after July 1, 1929, became redeemable from the general fund on June 24, 1968.
- X 428, Treasury notes of 1890. In process of retirement since March 1900 upon receipt by the Treasury. Until 1961, secured by silver and by gold reserve; thereafter, redeemable from general fund.
- X 431, Federal Reserve notes. Federal Reserve banks secure Federal Reserve notes by depositing like amounts of collateral with Federal Reserve agents. The Federal Reserve Act, as amended, authorizes the use of the following assets for this purpose: (a) gold certificates or gold certificate credits; (b) certain discounted or purchased commercial paper; (c) securities issued by the United States; and (d) Special Drawing Rights certificates issued by the Exchange Stabilization Fund. Federal Reserve notes are obligations of the United States and are a first lien on all assets of the issuing Federal Reserve Bank. Following the enactment of the Old Series Currency Adjustment Act of 1961, funds were deposited by the Federal Reserve

banks with the Treasurer of the United States for the redemption of all Series of Federal Reserve notes issued before the series of 1928.

- X 432, Federal Reserve banknotes. Secured at issuance by direct obligations of the United States or by commercial paper. Since termination of their issuance on June 12, 1945, the notes have been in process of retirement, and lawful money has been deposited with the Treasurer of the United States for their redemption.
- X 433 U.S. notes. Secured by a gold reserve until this requirement was repealed. The Act of May 31, 1879 required that the amount of U.S. notes then outstanding, \$346,681,016, be kept in circulation. The Old Series Currency Adjustment Act provided that this amount should be reduced by such amounts of notes as the Secretary of the Treasury might determine to have been destroyed or irretrievably lost. To 1970, the Secretary has made such determinations with respect to \$24,142,000 of the U.S. notes issued prior to July 1, 1929.
- X 434, national bank notes. Secured at issuance by direct obligations of the United States. From December 23, 1915 these notes have been in process of retirement, and lawful money has been deposited with the Treasurer of the United States for their redemption.

The monetary value of gold was changed from \$20.67 per fine ounce to \$35.00 per fine ounce on January 31, 1934. The weight of the gold dollar was reduced from 25.8 to 15-5/21 grains of gold, 0.9 fine.

More refined estimates of the amount of gold coin in circulation, 1873-1907, are contained in Bureau of the Mint, Annual Report of the Director of the Mint, 1907, p. 87; a discussion of the errors for which adjustments were made is given on pp. 66-95. For 1914-1933, the Board of Governors of the Federal Reserve System published revised estimates of gold coin in circulation (see Banking and Monetary Statistics, p. 409), which exclude \$287 million of gold coin reported in January 1934 as still in circulation because this amount is believed to have been largely lost or melted down, or otherwise to have disappeared from circulation over the years. The Federal Reserve series has been adjusted in this way for 1914-1933; no similar adjustment has been made in the data included in this volume for gold coin in circulation, total currency in circulation, or total currency stock.

X 438-443. Changes in gold stock, 1914-1970.

Source: Board of Governors of the Federal Reserve System, 1914–1941, Banking and Monetary Statistics, p. 536; 1942–1957 (except series X 438 beginning 1953, X 441 beginning 1956, and X 443), Federal Reserve Bulletin, June 1949, p. 745, and April 1958, p. 503; series X 439 and X 442, 1958–1970, unpublished data. Series X 438, 1953–1970, X 440, 1958–1970, and X 443, 1942–1970, Federal Reserve Bulletin, January issues. Series X 441, 1956–1970, U.S. Bureau of the Census, Report FT 2402, annual issues.

For a discussion of the items shown here, see Banking and Monetary Statistics, pp. 522-523. See also general note for series X 410-443.

Also available in Banking and Monetary Statistics and various issues of the Federal Reserve Bulletin are annual data on gold inflow into the United States and contributing factors, net gold imports to the United States by country, and gold production by country.

The data for domestic gold production (series X 440) are those reported by the Director of the Mint, adjusted through 1945 to exclude Philippine production received in the United States. The data for net gold imports or exports (series X 441) are those compiled by the Department of Commerce. The figures for gold under earmark (series X 442-443) represent gold held by the Federal Reserve banks for foreign and international accounts; in the calculation of the changes in gold under earmark, however, consideration has also been given to gold held under earmark abroad for the account of the Federal Reserve banks in 1917-1933.

Series X 410-419. Money Stock—Currency, Deposits, Bank Vault Cash, and Gold: 1867 to 1970
[In billions of dollars. Annual averages]

			[In billio	ns of dollars.	Annual averag	ges]				
	Currency held by	Deposits a	djusted, comm	ercial banks	M ₁ Money supply	M ₂ Money supply	Bank vault	Monetary	Deposits a thrift in	t nonbank stitutions
Year	the public	Total	Demand	Time	(currency plus demand deposits)	(M ₁ plus time deposits)	cash	gold stock	Mutual savings banks	Savings and loan associations
	410	411	412	413	414	415	416	417	418	419
1970	47.69 44.82 41.97 39.37 37.48	353.61 340.34 319.66 292.39 270.55	162.30 156.94 148.47 138.38 133.58	191.81 183.40 171.19 154.01 186.97	209.98 201.77 190.41 177.77 171.05	401.29 385.17 361.60 331.78 308.02	6.48 6.05 5.75 5.38 5.02	11.28 10.37 10.71 13.02 13.46	68.87 66.03 62.42 57.74 53.62	138.62 118.60 127.16 118.95 111.46
1965 1964 1968 1962 1961	35.26 33.49 31.55 30.09 29.10	250.64 281.25 217.60 209.83 192.14	128.54 128.74 119.74 116.91 114.82	122.10 107.51 97.87 86.92 77.31	163.79 157.22 151.28 147.00 143.98	285.89 264.78 249.15 283.92 221.24	4.62 4.24 3.95 8.67 3.40	14.26 15.46 15.74 16.36 17.38	50.72 46.74 43.02 89.78 37.82	105.46 96.08 85.59 74.93 66.06
1960 1959 1958 1957 1956	28.99 28.90 28.37 28.26 27.98	181.68 181.19 172.75 163.56 158.89	112.62 114.88 109.98 108.48 108.05	69.08 66.82 62.77 55.07 50.85	141.59 148.27 138.35 136.75 136.02	210.67 210.09 201.12 191.82 186.87	8.07 2.90 2.77 2.71 2.68	19.01 19.95 21.57 22.49 21.81	35.42 34.39 32.81 30.75 29.02	57.90 51.00 44.66 39.29 84.51
1955 1954 1953 1952 1951	27.68 27.52 27.78 26.70 25.53	156.06 149.64 143.41 138.22 180.92	106.79 102.75 100.64 98.52 93.67	49.25 46.89 42.85 89.70 87.22	134.44 130.27 128.34 125.22 119.23	183.69 177.16 171.19 164.92 156.45	2.59 2.49 2.43 2.34 2.25	21.69 21.89 22.42 23.25 22.03	27.22 25.32 23.52 21.73 20.35	29.62 24.98 20.98 17.57 14.89
1950	25.05 25.50 26.07 26.58 26.48	125.76 121.96 122.04 119.42 112.25	89.08 85.67 86.24 85.22 79.98	36.67 36.30 35.80 34.21 32.27	114.14 111.16 112.31 111.79 106.46	150.81 147.46 148.11 146.00 138.73	2.10 2.02 1.98 1.84 1.90	28.91 24.48 28.51 21.38 20.29	19.75 18.87 18.12 17.38 16.14	13.25 11.72 10.36 9.15 7.96
1945	25.38 21.22 16.35 11.54 8.40	101.30 85.60 73.56 59.62 54.11	73.90 64.12 55.89 43.82 38.12	27.40 21.48 17.67 15.80 15.99	99.23 85.34 72.24 55.36 46.52	126.63 106.82 89.91 71.16 62.51	1.71 1.62 1 54 1.40 1.37	20.25 21.21 22.37 22.73 22.54	14.36 12.45 11.12 10.40 10.58	6.84 5.90 5.22 4.81 4.50
1940	6.76 6.04 5.55 5.59 5.23	48.44 43.23 39.96 40.09 38.25	32.89 28.11 24.97 25.32 24.32	15.55 15.12 14.99 14.77 13.93	89.65 34.15 30.52 30.91 29.55	55.20 49.27 45.51 45.68 43.48	1.24 1.10 1.02 .94 .95	19.85 16.08 13.25 12.15 10.58	10.58 10.89 10.19 10.11 9.93	4:22 4:10 4:08 4:14 4:22
1935	4.80 4.63 5.09 4.92 4.16	34.27 29.73 27.13 31.13 38.53	21.08 17.23 14.82 16.19 19.98	13.19 12.50 12.81 14.94 18.55	25.88 21.86 19.91 21.11 24.14	39.07 34.36 32.22 36.05 42.69	.84 .78 .73 .75 .83	9.06 7.74 4.85 4.24 4.70	9.78 9.63 9.65 9.89 9.81	4.36 4.60 5.04 5.62 6.11
1930 1929 1928 1928 1927 1927	3.73 3.90 8.89 3.98 4.00	42.00 42.70 42.53 40.75 39.68	22.08 22.74 22.49 22.12 22.18	19.97 19.96 20.04 18.63 17.50	25.76 26.64 26.38 26.10 26.18	45.73 46.60 46.42 44.73 43.68	.85 .90 .91 .93	4.47 4.28 4.21 4.56 4.45	9.09 8.83 8.53 7.97 7.44	6.27 6.00 5.39 4.70 4.09
1925	3.96 3.96 3.96 3.69 4.04	88.09 84.62 82.64 80.03 28.81	21.70 19.71 18.97 17.98 17.47	16.39 14.91 13.67 12.05 11.34	25.66 23.67 22.93 21.67 21.51	42.05 38.58 36.60 33.72 32.85	.93 .92 .90 .87	4.38 4.44 4.06 3.80 3.29	7.02 6.59 6.18 5.72 5.48	3.48 2.89 2.42 2.09 1.85
1920 1919 1918 1917 1917	4.48 4.02 2.76 2.17 2.17	30.32 26.99 23.97 22.20 18.68	19.25 17.77 16.20 14.91 12.53	11.07 9.22 7.77 7.29 6.15	23.73 21.79 18.96 17.08 14.70	34.80 31.01 26.73 24.37 20.85	1.02 1.01 1.01 1.40 1.55	2.88 3.13 3.16 3.11 2.48	5.15 4.71 4.39 4.33 4.13	1.60 1.39 1.27 1.16 1.06
1915	1.93 1.91 1.89 1.82 1.76	15.66 14.48 13.84 13.31 12.36	10.55	5.11		17.59 16.39 15.73 15.13 14.12	1.46 1.62 1.55 1.53 1.45	2.00 1.88 1.88 1.82 1.76	3.91 3.84 3.73 3.58 8.43	.98 .89 .82 .74 .67
1910	1.74 1.71 1.76 1.72 1.63	11.60 10.97 9.68 9.88 9.45				13.34 12.68 11.44 11.60 11.08	1.43 1.35 1.15 1.14 1.04	1.66 1.65 1.64 1.49 1.35	3.30 3.14 3.02 3.02 2.91	.61 .56 .53 .49
1905 1904 1908 1902 1901	1.50 1.44 1.42 1.34 1.27	8.74 7.80 7.26 6.83 6.21				10.24 9.24 8.68 8.17 7.48	1.01 1.00 .87 .85	1.24 1.21 1.14 1.07 1.02	2.74 2.60 2.50 2.39 2.26	.48 .42 .41 .40
1900 1899 1898 1897 1897	1.21 1.10 1.00 .92 .89	5.39 4.99 4.26 8.72 3.46				6.60 6.09 5.26 4.64 4.35	.77 .78 .70 .65 .58	.93 .87 .74 .60 .53	2.13 2.00 1.87 1.78 1.69	.40 .41 .42 .42
1895 1894 1893 1892	.91 .98 1.00 .96	3.52 8.35 3.26 8.47 3.12				4.43 4.28 4.26 4.43 4.08	.61 .67 .58 .58	.58 .56 .56 .60 .62	1.65 1.57 1.55 1.52 1.48	
1890 1889	.93 .87	2.99 2.78				3.92 3.60	.48 .49	.64 .64	1.87 1.30	

Series X 410-419. Money Stock—Currency, Deposits, Bank Vault Cash, and Gold: 1867 to 1970—Con.
[In billions of dollars. Annual averages]

Year	Currency held by the public	Deposits adjusted, commercial banks	M ₂ Money supply (M ₁ plus time deposits)	Bank vault cash	Monetary gold stock	Deposits at mutual savings banks	Year	Currency held by the public	Deposits adjusted, commercial banks	M ₂ Money supply (M ₁ plus time deposits)	Bank vault cash	Monetary gold stock	Deposits at mutual savings banks
	410	411	415	416	417	418		410	411	415	416	417	418
1888 1887 1886	0.85 .83 .78	2.55 2.48 2.32	3.40 3.31 3.10	0.48 .46 .44	0.65 .61 .56	1.24 1.18 1.12	1877 1876	0.54	1.11	1.65 1.68	0.24 .24	0.13 .10	0.83 .84
1885 1884 1883 1882	.80 .84 .87	2.07 1.96 1.93 1.79	2.87 2.80 2.80 2.63	.45 .37 .32	.54 .51 .50	1.07 1.03 1.00 .95 .92	1875 1874 1873 1872 1871	.54 .54 .56 .55	1.18 1.11 1.06 1.06 .96	1.72 1.65 1.62 1.61 1.50	.25 .27 .24 .24 .25	.09 .12 .11 .12 .14	.82 .76 .70 .64
1880 1879 1878	.78 .67 .58 .54	1.66 1.36 1.08 1.04	2.44 2.03 1.66 1.58	.31 .29 .24 .24	.44 .33 .23 .18	.92 .81 .75 .78	1870	.54 .55 .54 .58	.81 .73 .73 .70	1.35 1.28 1.27 1.28	.23 .22 .24 .25	.16	.47 .40 .34 .30

Series X 420-423. Currency Stock and Currency in Circulation: 1800 to 1970 [In thousands of dollars. As of June 30]

					In tho	usands of do	llars. As of	June 30					
	Total	Currency		y outside sury		Total	Currency	Currenc Tres	y outside sury		Total	Currency	Currency outside
Year	currency in U.S. 1	held in Treasury ²	In Federal Reserve banks	In circulation	Year	currency in U.S. 1	held in Treasury ²	In Federal Reserve banks	In circulation	Year 4	currency in U.S. 1	held in Treasury 2	Treasury in circulation
	420	421	422	423		420	421	422	423		420	421	423
1970	57,416,085	117,164	2,947,949	54,350,972	1922	8,276,070	2,515,005	1,297,893	4,463,172		950,116	86,510 65,065	863,606
1969 1968	54,019,573 51,138,815 48,126,693	292,960 496,863	2,790,588 3,001,489 2,615,178 3,766,598	50,936,024 47,640,463	1921	8,174,528	' '		' '	1873 1872	903,316 900,571	71,361	838,252 829,209
1967 1966	48,126,693	799,071 320,797	3,766,598	44,712,443 42,554,022	1920 1919	8,158,496 7,688,413	1,675,026 2,001,139	1,015,881 810,636	5,467,589 4,876,638	1871	894,376		
1965	3 56 ,689 ,683	14,411,477		90 710 901	1918 1917	6,906,237 5,678,774	1,568,557 796,005	855,984 816,365 593,345	4,481,697 4,066,404 3,649,258	1870 1869	899,876 873,759 888,413	124,909 133,118 116,529	774,966 740,641
1964 1963	3 56,689,683 55,450,634 53,334,680 52,194,980	12,760,173 13,010,106	4,956,767 4,854,775	37,733,694 35,469,798 33,769,527	1916	4,541,730	1	· ·		1867	1.020.927	161.567	740,641 771,884 859,360
1962 1961	52,194,980 51,947,136	14,411,477 12,760,173 13,010,106 13,720,548 14,818,780	4,956,767 4,854,775 4,704,904 4,723,662	33,769,527 32,404,694	1915 1914	4,050,783 3,797,825	348,236 338,391	382,965	3.459.434	1866	1,068,066		939,678
1960	53,070,922 53,260,402		4,397,741	32.064.619	1913 1912	3,777,021 3,701,965	358,329 366,744		3.418.692	1865 1864	1,180,197 1,062,841	96,657 55,226	1,083,541 1,007,615
1959 1958	54.058.080	18.642.860	4,351,256 4,243,480	31,914,173 31,171,739	1911	3,606,989	343,935		3,385,220 3,263,053	1863 1862	1,010,747 629,452	55,226 79,473 23,754	5 931,274 5 605,698
1957 1956	55,363,063 54,008,743	19,887,518 19,060,827	4,243,480 4,393,632 4,232,727	31,081,913 30,715,189	1910 1909	3,466,856 3,451,521	318,172 802,695		3,148,684 3,148,826	1861	488,006	3,600	⁶ 484 ,406
1955		1			1908 1907	3,423,068 3,158,111	343,913 344,248		3.079 1551	1860 1859	442,102 443,307	6,695 4,339	435,407 438,968 408,810
1954 1958	53,308,618 53,429,405 54,015,346 53,853,745 50,985,939	18,989,892 19,234,197 19,729,629	4,089,403 4,273,259 4,160,765 4,217,518 4,197,063	30,229,323 29,921,949 30,124,952 29,025,925	1906	3,109,380			2,813,863 2,774,690	1858 1857	415,208 474,779	4,339 6,398 17,710	408,810 457,069
1952 1951	53,853,745 50,985,939	19,729,629 20,610,303 18,979,646	4,217,518 4 197 063	29,025,925 27,809,230	1905 1904	2,919,494 2,838,023	296,154 285,117		2,623,340 2,552,906	1856	445,748	19,901	425,847
1950	59 440 959	91 464 908	9 910 755		1009	2,717,646	317,914 314 796		2,399,732 2,279,114	1855 1854	436,952 445,689	18,932 20 138	418,020 425 551
1949 1948	53,103,980 52,601,129 50,599,352	21,736,254 20,769,375 18,538,131	3,874,816 3,928,896 3,763,994	27,156,290 27,492,910 27,902,859 28,297,227	1901	2,511,472	308,275		2,203,198	1853	424,181 375,673	20,138 21,943 14,632	425,551 402,238 361,041
1947 1946	50,599,352 49,648,011	18,538,131 17,539,072	3,763,994 3,863,941	28,297,227 28,244,997	1900 1899	2,366,220 2,190,094	284,989 286,022		2,081,231	1851	341,165	10,912	361,041 330,254
1945		1 ' '			1898	2,078,574 1,906,770	235,714		1,904,072 1,837,860 1,640,983	1850 1849	285,367 234,743	6,605 2,185 8,101	278,762 232,558 232,405
1944	48,009,400 44,805,301 40,868,266 35,840,908	17,517,449 18,489,163 19,676,674	3,745,512 3,811,797 3,770,331	26,746,438 22,504,342 17,421,260 12,382,866	1896	1,799,975	293,540		1,506,435	1848	240,506	8,101	232,405
1942	35,840,908	19,937,577 19,781,266	3,520,465 3,380,914	12,382,866 9,612,432	1895	1,819,360	217,392		1,601,968	1847 1846	225,520 202,552	1,701 9,126	223,819 193,4 26
1941	!	l		7,847,501	1894 1898 1892	1,805,079 1,738,808	142,107		1,660,809 1,596,701	1845	185,609	7,658	177,950 167,310
1939	28,457,960 23,754,736	17,124,764 13,271,527	3,485,695 3,436,467 3,503,576	7.046.743	1891	1,752,219 1,677,794	180,872		1,601,347 1,497,441	1844 1843	175,168 148,564 163,734	7,857 1,449	167,310 147,114 163,504
1938 1987	20,096,865 19,376,690 17,402,493	10,132,397 9,475,429 7,800,438	3,454,205 3,360,854	6,447,056	1890	1,685,123 1,658,672	255,872		1,429,251 1,380,362	1842 1841	163,734 187,290	230 987	186,303
1936	1	1		6,241,200	1888	1.691.441	319,270		1,380,362 1,372,171 1,317,539	1840	189,969	3,663	186,305
1935 1934	15,113,035 313,634,381 10,078,417	8,398,521 6,953,734 2,085,971	1,305,985	5,567,093 5,373,470 5,720,764	1887 1886	1,633,413 1,561,408	315,874 308,707		1,317,539 1,252,701	1839 1838	222,171 203,639	2,467 5,000	219,704 198,639
1933 1932	9,004,505 9,079,624	2,085,971 1,513,985	1,147,422 1,305,985 2,271,682 1,795,349	5,695,171	1885	1,537,434	244,865		1,292,569	1837 1836	222,186 205,301	65,000 65,000	217,186 200,301
1931	1		2,226,059	4,821,988	1884 1883	1,487,250 1,472,494 1,409,398	243,324 242,189		1,243,926 1,230,306	1885	154,692 135,840	8,893	145,800
1930 1929	8,806,564 8,538,796	2,043,489 1,935,513 1,738,889 2,062,851	1,741,087 1,856,986	4,521,988 4,746,297	1882 1881	1,409,398 1,349,592	235,108 235,355		1,174,290 1,114,238	1834 1838	135,840 122,150 121,900	11,703 2,012	145,800 124,187 120,188 117,397
1928 1927	8,118,091 8,667,282 8,428,971	1,738,889 2,062,851	1,856,986 1,582,576 1,753,110 1,473,118	4,796,626 4,851,321	1880	1,185,550 1,033,641			973,382	1832 1831	121,900 3 109,100	4,503 6,015	117,397 93,085
1926	l i	2,070,588	1,473,118		1879 1878	984 . 225	215,009 164,221		818,632 820,004	1830	93,100	5,756	87,344
1925 1924	8,299,382 8,846,542 8,702,788	2,116,582 2,620,299 2,671,678	1,267,591 1,376,935	4,815,208 4,849,307	1877 1876	916,548 905.238	102,458 98,114		814,090 807,124	1820 1810	69,100 58,000	62,000 63,000	67,100 55,000
1923	8,702,788	2,671,678	1,376,935 1,207,836	4,823,275	1875	925,702	91,912		833,789	1800	28,000	1,500	26,500

¹ Excludes gold certificates, silver certificates, and Treasury notes of 1890, since the gold and silver held as security against them are included.

² Prior to 1860 consists of specie only; thereafter includes coin, bullion, and paper money. Includes the following categories of currency held in Treasury as published in the circulation statement: Reserves held against U.S. notes and Treasury notes of 1890, held for Federal Reserve banks and agents, and all other money. Excludes amount held as security against gold and silver certificates and Treasury notes of 1890 since the certificates and notes are included elsewhere; for 1860–1933 they are included as cur-

rency outside the Treasury, and beginning 1934 they are included either as currency outside the Treasury or as amounts held in the Treasury for Federal Reserve banks and agents, payable in gold certificates.

3 Agrees with source; however, figures for components do not add to total shown.

4 Prior to 1860 the exact date of the figures is not known.

5 Includes total stock of silver dollars and subsidiary silver, 1860–1863; and of gold coin and bullion, 1862–1863. It is not practical to present the amounts in circulation separately for the years mentioned.

6 Estimated.

Series X 424-437. Currency in Circulation, by Kind: 1800 to 1970

[In thousands of dollars. As of June 30]

Year	Gold coin ¹	Gold certificates 2	Silver dollars	Silver certificates 2	Treasury notes of 1890 ²	Subsidiary silver	Minor coin	Federal Reserve notes 2	Federal Reserve banknotes 2	U.S. notes ²	National banknotes
	424	425	426	427	428	429	430	431	432	433	434
970 969 968 967 966 965 964 963 963 963 963 963 965 961 961		3,731 3,804 3,868 3,973 4,107 13,209 19,379 19,858 29,270 29,803	481,675 481,688 481,689 481,691 481,698 481,721 411,489 359,590 328,680	220,061 222,828 225,266 394,656 581,715 829,177 1,722,995 1,846,537 2,009,73 2,094,379	11 11 11 11 11 42 142 142 142 1,142	4,519,799 4,260,860 3,877,813 3,238,822 2,907,355 2,355,380 1,987,138 1,789,924 1,663,485 1,548,135	1,126,617 1,047,364 949,604 920,815 874,769 824,585 736,049 676,291 629,423 585,234	47,626,751 44,547,642 41,723,506 39,290,336 37,315,989 34,823,233 32,355,954 30,291,625 28,622,224 27,352,908	55, 272 56, 885 58, 854 61, 057 64, 301 68, 333 73, 276 78, 247 84, 835 91, 811	296,784 294,478 299,188 300,178 301,978 320,721 318,537 318,420 318,338	20,27 20,46 20,66 20,90 21,30 22,16 36,32 37,14 53,06 54,26
60		30,394 31,046 31,797 32,541 33,483 34,466 35,481 36,596 37,855 39,070	305,083 285,491 267,927 252,607 236,837 223,047 211,533 202,424 191,306 180,013	2,126,833 2,154,916 2,199,532 2,161,589 2,148,369 2,169,726 2,135,016 2,121,511 2,087,811 2,092,174	1,142 1,142 1,142 1,142 1,142 1,142 1,142 1,143 1,145	1,484,033 1,415,483 1,346,429 1,315,325 1,258,555 1,202,209 1,164,912 1,150,499 1,092,891 1,019,824	549,367 513,876 486,571 473,904 453,044 432,512 418,754 412,952 393,482 378,350	27,093,693 27,028,617 26,341,854 26,329,345 26,055,247 25,617,775 25,384,606 25,608,669 24,605,158 23,456,018	99,987 110,051 120,225 132,566 146,629 162,573 180,277 200,054 220,584 243,261	318,436 316,166 316,861 321,148 317,643 319,064 320,224 317,702 318,330 318,173	55,6 57,3 59,4 61,7 64,2 66,8 70,0 73,4 77,3
50		40,772 42,665 45,158 47,794 50,223 52,084 53,964 56,909 59,399 62,872	170,185 163,894 156,340 148,452 140,319 125,178 103,325 83,701 66,993 52,992	2,177,251 2,060,852 2,060,869 2,060,728 2,025,178 1,650,689 1,587,691 1,648,571 1,754,255 1,713,508	1,145 1,145 1,146 1,147 1,149 1,150 1,154 1,155 1,158 1,161	964,709 939,568 918,691 875,971 843,122 788,283 700,022 610,005 503,947 433,485	360,886 355,316 346,112 331,039 316,994 291,996 262,772 235,672 213,144 193,963	22,760,285 23,209,437 23,600,323 23,999,004 23,973,006 22,867,459 18,750,201 13,746,612 9,310,135 6,684,209	273,788 308,821 353,499 406,260 464,315 527,001 597,030 584,162 18,717 20,268	320,781 318,688 321,485 320,403 316,743 322,587 322,293 322,343 316,886 299,514	86,4 92,5 99,2 106,4 113,9 120,0 125,8 132,1 139,1
940	320,989 452,763 363,020	66,793 71,930 78,500 88,116 100,771 117,167 149,740 265,487 715,683 996,510	46,020 42,407 39,446 38,046 35,029 32,308 30,013 27,995 30,115 34,326	1,581,662 1,453,573 1,230,156 1,078,071 954,592 701,474 401,456 360,699 352,605 377,149	1,163 1,166 1,169 1,172 1,177 1,182 1,189 1,186 1,222 1,240	384,187 361,209 341,942 340,827 316,476 295,773 280,400 256,865 256,220 273,147	168,977 154,869 145,625 144,107 134,691 125,125 119,142 112,532 113,619 117,393	5,163,284 4,483,552 4,114,338 4,168,780 4,002,216 3,222,913 3,068,404 3,060,798 2,780,229 1,708,429	22,373 25,593 30,118 37,616 51,954 81,470 141,645 125,845 2,746 2,929	247,887 265,962 262,155 281,459 278,190 285,417 279,608 268,808 268,09 289,076 299,427	165,1 186,4 217,4 268,8 366,1 704,2 901,8 919,6 700,8 648,3
980	357,236 368,488 377,028 384,957 391,703 402,297 398,330 404,15,937 447,272	994,841 934,994 1,019,149 1,007,075 1,057,371 1,004,823 801,381 386,456 173,342 200,582	38,629 43,684 46,222 48,717 51,577 54,289 54,015 57,262 57,973 65,883	386,915 387,073 384,577 375,798 377,741 382,780 364,414 364,258 265,335 158,843	1,260 1,283 1,304 1,327 1,356 1,387 1,423 1,460 1,510	281,231 284,226 278,175 275,605 270,072 262,009 252,995 247,307 229,310 235,295	117,436 115,210 111,061 108,132 104,194 100,307 96,952 93,897 89,157 91,409	1,402,066 1,692,721 1,626,433 1,702,848 1,679,407 1,686,108 1,843,106 2,234,660 2,138,715 2,599,598	3,206 3,616 4,029 4,606 5,453 6,921 10,066 19,969 71,868 129,942	288,389 262,188 298,438 292,205 294,916 282,578 297,790 302,749 292,343 259,170	650,7 652,8 650,2 650,0 651,4 681,7 733,8 711,0 727,6
920 919 918 917 916 916 914 913 912	474,822 474,875 537,230 666,545 624,939 587,537 611,545 608,401 610,724 589,296	259,007 327,552 511,190 1,082,926 1,050,266 821,869 1,026,149 1,003,998 943,436 930,368	76,749 79,041 77,201 71,754 66,234 64,499 70,300 72,127 70,840 72,446	97,606 163,445 370,349 468,365 476,279 463,147 478,602 469,129 469,224 453,544	1,656 1,745 1,851 1,970 2,098 2,245 2,428 2,657 2,916 3,237	248,863 229,316 216,492 193,745 171,178 159,966 154,458 145,034 138,422	90,958 81,780 74,958 68,411 62,998 58,516 57,419 54,954 50,707 49,049	3,064,742 2,450,278 1,698,190 506,756 149,152 70,810	185,431 155,014 10,970 3,702 1,683	278,144 274,119 291,859 311,595 328,227 309,796 337,846 337,215 337,697 338,989	689,6 639,4 691,4 690,6 716,2 782,7 715,7 705,1 687,7
910	590,878 599,338 613,245 561,697 668,655 651,064 645,818 617,261 632,394 629,791	802,754 815,005 782,977 600,072 516,562 485,211 465,655 377,259 306,399 247,036	72,433 71,988 76,329 81,710 77,001 73,584 71,314 72,391 68,747 66,921	478,597 477,717 465,279 470,211 471,520 454,865 461,189 454,783 446,558 429,644	3,663 4,203 4,964 5,976 7,337 9,272 12,902 19,077 29,803 47,525	135,584 132,332 124,178 121,777 111,630 101,438 95,528 92,727 85,721 79,235	46,328 42,585 41,139 40,907 38,043 35,458 33,763 32,040 29,724 27,890			334,788 340,118 339,396 342,270 335,940 332,421 333,759 334,249 334,292 380,045	683,6 665,5 631,6 589,2 548,0 480,0 499,9 345,4 345,1
900 899 998 897 896 896 894 883 893 893	610,806 679,738 657,950 517,590 454,905 479,638 495,977 408,536 408,569 407,319	200,733 32,656 35,812 37,285 42,198 48,381 66,340 92,642 141,094 120,063	65,889 61,481 58,483 51,940 52,117 51,986 52,565 56,930 56,817 58,826	408,466 402,137 390,127 357,849 330,657 319,623 326,991 326,824 326,693 307,236	75,304 92,562 98,306 83,470 95,045 115,943 134,681 140,866 98,259 40,349	76,161 69,066 64,057 59,616 60,204 60,350 58,511 65,470 63,294 58,219	26,080			317,677 328,627 310,134 306,915 256,140 319,094 325,525 330,774 389,400 343,207	300,1 237,8 222,9 226,8 215,1 206,9 200,2 174,6 167,2 162,2
890	374,259 376,482 391,114 376,541 858,220 341,668 340,624 344,653 358,251	180,831 117,180 121,095 91,225 76,044 126,730 71,147 59,807 5,029 5,760	56,279 54,457 55,527 55,549 52,669 39,087 40,690 35,651 32,404 29,342	297,556 257,156 200,760 142,118 88,116 101,531 96,427 72,621 54,506 39,111		54,088 51,477 50,362 48,584 46,174 43,708 45,661 46,474 46,380 46,839				334,689 316,439 308,000 326,667 323,813 331,219 318,687 323,242 325,255 328,127	181,6 207,2 245,3 276,8 307,6 308,6 330,6 347,8 352,4 349,7

MONEY SUPPLY AND GOLD

Series X 424-437. Currency in Circulation, by Kind: 1800 to 1970—Con.

[In thousands of dollars]

Year	Gold coin ¹	Gold certifi- cates ²	Silver dollars	Silver certifi- cates ²	Subsid- iary silver	U.S. notes ²	National bank- notes 2	Frac- tional currency	Other U.S. currency	State bank- notes	Year	State bank- notes	Year	State bank- notes
	424	425	426	427	429	433	434	435	436	437		437		437
1880	225,696 110,505 84,740 78,111 74,839 64,446 78,948 62,718 76,675 72,391 81,183 62,129 63,758 72,882 109,705 148,557 184,346 3 260,000 2 283,000 2 266,400 207,305				48,512 61,347 58,918 42,885 26,055 22,141 14,940 13,679 12,064 12,022 8,978 5,695 6,520 7,082 8,713 9,375 3 11,000 3 13,000 3 16,000	1	337,415 321,406 311,724 301,289 316,121 340,547 340,266 338,962 329,037 311,406 288,648 291,750 294,369 286,764 276,013 146,138 31,235	16,368 20,242 32,939 37,905 38,234 38,076 36,403 34,446 34,379 30,442 28,999 26,306 24,687 21,729 19,133 15,884		806 909 1,047 964 1,162 1,399 1,701 1,968 2,223 3,164 4,484 19,996 142,920 179,158 238,677 183,792 202,006	1859 1858 1857 1856 1853 1852 1853 1852 1854 1844 1844 1844 1844 1844 1844	193,307 155,208 214,779 195,748 186,952 204,689 188,181 171,673 155,165 131,367 114,743 128,506 105,520 105,552 105,552 89,609 75,168 58,564	1842 1841 1840 1849 1839 1836 1835 1832 1831 1831 1830 1830 1800	83,734 107,290 106,969 135,171 116,139 149,186 140,301 103,692 94,840 91,500 77,000 61,000 44,800 28,000 10,500

 $^{^{\}rm 1}$ More refined estimates are available for gold coin in circulation, 1873–1907 and 1914–1933; see text.

Series X 438-443. Changes in Gold Stock: 1914 to 1970

[In millions of dollars; gold valued at \$20.67 per fine ounce through January 1934; at \$35 thereafter]

Year	Gold stock (end of period) ¹	Increase in gold stock	Domestic gold produc- tion ²	Net gold import (+) or export (-)	Ear- marked gold, decrease (+) or increase (-)	Gold under earmark (end of period)	Year	Gold stock (end of period) ¹	Increase in gold stock	Domestic gold produc- tion ²	Net gold import (+) or export (-)	Ear- marked gold, decrease (+) or increase (-)	Gold under earmark (end of period)
	438	439	440	441	442	443		438	439	440	441	442	443
1970 1969	11,072 11,859	8 - 787 967	63.5 60.1	$+196.7 \\ +224.6$	-615 +755	12,926 12,311	1941	22,762	719.8	169.1	+982.4	-407.7	2,215.4
1968	10,892	-1,173	53.9	-612.9	+187	13.066	1940	22,042	4,242.2	170.2	+4,744.5	-644.7	1,807.7
1967	12,065 13,235	$-1,170 \\ -571$	53.4 63.1	-972.7 -415.3	$-307 \\ -50$	13,253 12,946	1939 1938	17,800 14,592	3,208.0 1.801.5	161.7 148.6	+3,574.2 $+1,973.6$ $+1,585.5$	-534.4 -333.5	1,163.0 628.6
1900	15,235	-571	05.1	-415.5	- 50	12,946	1937	12,790	1.367.5	148.6	+1,973.0 +1 585 5	-200.4	295.1
1965	4 13,806	3-1.665	58.6	-1,183.4	-198	12,896	1986	11,423	1,296.5	131.6	+1,116.6	-85.9	94.7
1964	15,471	-125	51.4	-381.9	+256	12,698		l '	'			İ	
1963	15,596	-461	51.4	-159.4	-254	12,954	1935	10,125	1,867.2	110.7	+1,739.0	+0.2	8.8
1961	16,057 16,947	$-889.9 \\ -857.2$	54.5 54.8	-230.0 -718.8	-795.3 -62.6	12,700.4 11,905.2	1934 1933	8,258 4,036	4,222.5 -190.4	92.9 47.1	$+1,133.9 \\ -173.5$	+82.6 6-58.0	9.0 59.1
1301	10,541	-801.2	04.0	-710.0	-02.0	11,500.2	1932	4,226	52.9	45.9	-446.2	4 +457.5	73.7
1960	17,804	-1,702.3	58.8	+333.4	-1,981.4	11,842.6	1931	4,173	-133.4	45.8	+145.3	-320.8	458.5
1959	19,507	$^{3}-1,075.2$	57.2	+302.4	-1,323.6	9,861.2					l :		
1958	20,582	-2,275.1	61.6	+259.6	-2,515.0	8,537.6	1930 1929	4,306	309.6	43.4	+280.1	-2.4	137.7
1957	22,857 22,058	798.8 305.9	63.6 65.3	$+104.3 \\ +106.1$	$+600.1 \\ +318.5$	6.022.7 6.622.8	1929	3,997 3,854	142.5 -237.9	42.5 44.3	$+175.1 \\ -391.9$	$-55.4 \\ +119.5$	135.3 79.9
		000.5	00.0	1 100.1	1010.0	0,022.8	1927	4.092	-112.8	43.8	+6.1	-160.2	199.4
1955	21,753	-40.9	65.7	+97.6	-132.4	6,941.3	1926	4,205	92.6	46.3	+97.8	-26.3	39.3
1954	21,793	-297.2	65.1	+16.6	-325.2	6,808.9							
1953 1952	22,091 23,252	-1,161.9 379.8	69.0 67.4	$^{+2.0}_{+684.3}$	$\begin{bmatrix} -1,170.8 \\ -304.8 \end{bmatrix}$	6,483.8	1925 1924	4,112 4,212	-100.1 255.6	48.0 50.6	$-134.4 \\ +258.1$	$+32.2 \\ -42.2$	13.0 45.2
1951	22,873	52.7	66.3	-549.0	+617.6	5,313.0 5,008.2	1923	3,957	315.1	50.5	$+258.1 \\ +294.1$	+0.7	3.0
		02.1	00.0	020.0	1 0211.0	0,000.2	1922	3.642	268.5	47.3	+238.3		3.7
1950	22,820	-1,743.3	80.1	-371.3	-1,352.4	5,625.7	1921	3,373	734.6	48.8	+667.4	6 +18.7	(NA)
1949	24.563	164.6	67.3	+686.5	-495.7	4,273.3	1,000	0.000	00.4	40.0	105.0		20.0
1948 1947	24,399 22,868	1,530.4 52,162.1	70.9 75.8	$+1,680.4 \\ +1,866.3$	$-159.2 \\ +210.0$	3,777.7 3,618.4	1920 1919	2,639 2,707	-68.4 -165.8	49.9 59.5	+95.0 -291.7	$\begin{bmatrix} 6 - 145.0 \\ 6 + 127.4 \end{bmatrix}$	22.0 5.0
1946	20,706	623.1	51.2	+311.5	+465.4	3,828.4	1918	2,873	4.9	67.4	+21.0	6-46.7	6.9
		1		1	1	i '	1917	2.868	312.2	82.3	+180.6	6 +51.7	6.9
1945	20,083	-547.8	32.0	-106.3	-356.7	4,293.8	1916	2,556	530.7	91.1	+530.2	-6.1	6.1
1944		-1,349.8	35.8	-845.4	-459.8	3,937.2	1,015	0.00-	400 -	00.7	1.490 -		
1943 1942	21,981 22,739	-757.9 -23.0	48.8 125.4	$+68.9 \\ +315.7$	-803.6 -458.4	3,477.4 2,673.8	1915 1914	2,025 1,526	499.1 100.2	99.7 93.4	$+420.5 \\ -165.2$		-
1V 10	22,100	20.0	120.4	7010.1	700,4	2,010.0	1713	1,020	100.2	30.4	-100.2		

NA Not available.

Beginning 1934, when Exchange Stabilization Fund was established, gold stock includes Treasury gold stock plus gold in Exchange Stabilization Fund; prior to that time represents Treasury gold stock only.

Estimates of the U.S. Bureau of the Mint.

Includes payment of increases in U.S. gold subscription to International Monetary Fund as follows: 1959, \$344 million; 1965, \$259 million; and 1970, \$385 million.

 $^{^2}$ For description of reserves held against various kinds of money, see text. 3 Total stock; circulation figures not available.

⁴ Excludes \$259 million gold subscription to the International Monetary Fund in June 1965 for a U.S. quota increase which became effective on Feb. 23, 1966.

⁵ Net after payment of \$687.5 million in gold as United States gold subscription to the International Monetary Fund.

⁶ Adjusted for changes in gold held under earmark abroad by the Federal Reserve banks.

Interest Rates and Security Markets (Series X 444-560)

X 444-560. General note.

Available statistics on interest rates and security prices indicate the cost of credit to borrowers—mainly business concerns and the Federal Government; and the income received by those who lend and invest—primarily individuals, trusts, endowments, banks, and other financial institutions. This section presents a variety of money rate and security market statistics, including principal short-term openmarket rates in New York City, the discount rate of the Federal Reserve Bank of New York, commercial paper and bankers' acceptances outstanding, bank rates on short-term loans to business, bond and stock yields and prices, security issues, mutual funds, margin requirements, stock market credit, and the volume of stock exchange trading.

X 444-455. Money market rates, 1890-1970.

Source: Board of Governors of the Federal Reserve System. 1890-1941, Banking and Monetary Statistics, pp. 439-442, 448, 460; 1941-1963, Supplement to Banking & Monetary Statistics, section 12, "Money Rates and Securities Markets," pp. 37, 48, and 50; 1964-1970, Federal Reserve Bulletin, monthly issues.

The rates shown here cover the most important short-term open market instruments in New York City, which is the chief money market of the country. The New York money market is composed of a number of specialized markets for certain types of borrowing and there are usually differences in rates corresponding to differences in the supply of funds relative to the demand for particular types of short-term funds in which the market deals. These markets are called "open" markets since transactions in them are usually made on an impersonal basis with the borrower and lender dealing through agents, as distinct from a "customer" market where the borrower and lender deal directly with each other and where transactions are often made on a personal basis. As a result, lenders may sell paper held, call loans, or refrain from renewing credits upon maturity more freely in the case of open-market paper than in the case of customer loans. Monthly and weekly figures for most of the series shown here are given in the source.

Rates on stock exchange loans are no longer published by the Board of Governors of the Federal Reserve System but data for these series for 1942–1962 were supplied by that agency. For stock exchange call loans (series X 447–448), a single rate only is available beginning in 1957.

Beginning 1929, a new measure of short-term rates became available with the issuance by the Treasury of a new type of security—the Treasury bill, which differs from other types of Treasury marketable securities in that it is sold on a discount basis instead of being offered in the market with a fixed coupon rate. Maturities of Treasury bills have varied up to 9 months, but usually have been 3 months. Two continuous series (X 450-451) are available beginning 1931.

The Federal Reserve Bank of New York discount rates shown (series X 454-455) are the lowest and highest rates during the year on discounts for and advances to member banks under sections 13 and 13a of the Federal Reserve Act. For the period prior to 1921, when a multiplicity of rates prevailed, discount rates on paper of a single class and maturity—usually the type of paper and maturity for which the rate was lowest—are shown. Specifically, from November 16, 1914, the day the Reserve Banks opened, through August 1916, the rate applies to discounts of commercial, agricultural, and livestock paper with maturities of from 31 to 60 days; and from September 1916 to December 1920, to discounts of, and advances

secured by, commercial, agricultural, and livestock paper with maturities of 15 days or less. Rates also apply to advances secured by obligations of Federal intermediate credit banks maturing in 6 months. For 1942–1945, the low rate shown is the preferential rate for advances secured by Government securities maturing or callable in one year or less. In this period the rate of 1 percent was continued for discounts of eligible paper and advances secured by such paper or by U.S. Government obligations with maturities beyond 1 year. The discount rates at all Federal Reserve banks and a description of the series through 1941 is contained in Banking and Monetary Statistics, pp. 422–424, 439–442, and thereafter in the Federal Reserve Bulletin.

X 456-465. Commercial and finance company paper and bankers' acceptances outstanding, 1918-1970.

Scurce: Board of Governors of the Federal Reserve System. 1918-1941, Banking and Monetary Statistics, pp. 465-467; 1942-1952, Federal Reserve Bulletin, February 1944, p. 170; January 1946, p. 59; February 1953, p. 146; and 1953-1970, Federal Reserve Bulletin, May issues.

Prior to 1948, figures for commercial paper represent the amount of paper outstanding as reported by the principal commercial paper dealers in the country. Some finance company paper sold in the open market is included. Beginning 1948, figures are for commercial paper and finance company paper combined, shown by method of placement. These data represent paper with an original maturity of 9 months or less (including some finance company paper sold in open markets) as reported by a varying number of dealers. Finance company paper placed directly with investors represents the amount reported by a varying number of finance companies. Prior to 1958, a small amount of finance company paper with an original maturity of more than 270 days was included; thereafter, all paper in this maturing group is included.

Figures for bankers' acceptances are amounts outstanding as reported by makers of bankers' acceptances, including banks and bankers in the United States and agencies of foreign banks in this country.

X 466-473. Bank rates on short-term business loans, 1919-1966.

Source: Board of Governors of the Federal Reserve System. 1919-1938, Banking and Monetary Statistics, pp. 463-464; 1939-1963, Supplement to Banking & Monetary Statistics, section 12, "Money Rates and Securities Markets," p. 61; 1964-1966, Federal Reserve Bulletin, March issues.

Data by months through 1938 and by quarters thereafter are available in the source publications. These data are compiled by the Board of Governors from reports submitted by member banks in leading cities throughout the country.

The reporting cities are representative financial centers having large loan markets. Interest rates charged by banks in these cities are more responsive to changes in general monetary conditions than are rates in other places. Because of the financial importance of the cities, their influence would predominate in any compilation designed to show movements of interest rates in large cities.

Figures for series X 470-473 represent averages of prevailing rates reported monthly by banks in a varying number of leading cities on commercial loans and time and demand security loans. These figures are not strictly comparable with those in series X 466-469 but they are believed to represent bank rates on business loans. For series X 466-469, the figures for 1928-1938 are averages of prevailing rates reported monthly by banks in 19 principal cities on

business loans only; beginning in 1939, the figures are averages of interest rates charged by banks in the 19 cities on short-term business loans made during the first half of March, June, September, and December. For a description of the figures prior to 1939, see Banking and Monetary Statistics, pp. 426-427; beginning 1939, see Supplement to Banking & Monetary Statistics, pp. 9-11. Beginning 1948, the source publication includes data on average interest rates by size of loan.

In 1967, these series were revised for expanded coverage. The new series cover new loans and loan renewals made during the first half of the middle month of each calendar quarter. The number of financial centers covered by the survey has been raised from 19 to 35 and the number of respondent banks from 66 to 126. For further details, see Federal Reserve Bulletin, May 1967.

X 474-486. General note.

In addition to the sources cited for each individual series, these data (except series X 476 and X 479-482) appear also in U.S. Bureau of Economic Analysis (formerly Office of Business Economics), Survey of Current Business. Beginning with the January 1962 issue, the annual figures for the two most current years appear in every issue. Annual data back to 1947 appear in the 1971 edition of Business Statistics, a supplement to the Survey.

X 474. Yields on U.S. Government bonds, 1919-1970.

Source: Board of Governors of the Federal Reserve System. 1919-1941, Federal Reserve Bulletin, May 1945, p. 483; 1941-1963, Supplement to Banking & Monetary Statistics, section 12, "Money Rates and Securities Markets," p. 68; 1964-1970, Federal Reserve Bulletin, January issues.

Figures are unweighted averages of yields. For 1919–1925, yields cover all outstanding partially tax-exempt Government bonds due or callable after 8 years; for 1926–1934, all such bonds due or callable after 12 years; for 1935–1941, all such bonds due or callable after 15 years. For further description of the series, see Banking and Monetary Statistics, p. 429, and Federal Reserve Bulletin, May 1945, pp. 483 and 490. Beginning 1942, the series is for fully taxable bonds. Yields cover 1942–March 31, 1952, the bonds due or callable after 15 years; April 1, 1952–March 31, 1953, due or callable after 12 years; April 1, 1953–1970, due or callable in 10 years or more.

X 475. Municipal high-grade bond yields, 1900-1970.

Source: Standard and Poor's Corporation, Trade and Securities Statistics, Security Price Index Record, New York, 1971 edition (copyright).

Prior to 1929, this series is an arithmetic average of the yield to maturity of 15 high-grade municipal bonds, based on the mean of monthly high-low prices. Beginning 1929, the series is an average of the 4 or 5 weekly indexes for the month. Annual figures are averages of monthly data. Monthly and weekly data are available in the source.

X 476. Unadjusted index number of yields of American railroad bonds, 1857-1936.

Source: Frederick R. Macauley, Some Theoretical Problems Suggested by the Movements of Interest Rates, Bond Yields and Stock Prices in the United States Since 1856, National Bureau of Economic Research, 1938, pp. A 142–161 (copyright).

The railroad industry was selected as the basis for a longtime study of bond yields because no other industry had securities of comparable importance as early as 1857, and for many years no other industry had as high a credit rating. The series is available before and after adjustment to eliminate economic drift due to secular changes in the quality of the bonds included. The unadjusted series is more comparable with currently available series. The series is a chain index number based on the arithmetic average of yields on long-term

high-grade railroad bonds. Yields for individual bonds are based on arithmetic averages of monthly high and low sale prices. With a few exceptions the index includes no bonds with maturities under 10 years, and since 1909 the minimum has been 14 years. The number of bonds on which the index is based was 13 in 1857 and increased gradually to 37 in 1900; it varied between 36 and 45 until 1930 and declined to about 28 in 1935. Annual figures are averages of monthly data.

X 477. Corporate Aaa bond yields, 1919-1970.

Source: Moody's Investors Service, Moody's Industrial Manual, New York, 1971 edition, p. a18 (copyright).

This series is an unweighted arithmetic average of the yields for individual bonds, based on closing prices. Prior to 1928, yields are based on the average of the month's high and low sale price for each bond; for 1928 and 1929, on biweekly closing quotations; for 1930 through October 1931, on weekly quotations; beginning November 1931, on daily closing quotations. Annual figures are averages of monthly data.

X 478. Yields on preferred stocks, 1910-1970.

Source: See source for series X 475.

For January 1910-January 1928, this index is computed from the average of the monthly high and low prices of 20 high-grade issues. All prices are converted to a price equivalent to \$100 par and a \$7 annual dividend before averaging. The yield index is computed from the average price. Beginning February 1928, the index is based on an average of the weekly yields, which are based on Wednesday's closing quotations for 15 (14 from April 1948-September 1965 and 10 thereafter) high-grade noncallable issues. The yield is determined for each issue and the average of the 9, 8, and 4 median yields, respectively, represents the group yield. Annual figures are averages of monthly data.

X 479-482. Yields on common stocks (Cowles Commission), 1871-1937.

Source: Alfred Cowles and Associates, Common Stock Indexes, 1871–1937, Principia Press Inc., Bloomington, Ind., 1939, pp. 372–373.

Yields are total actual dividends paid in each calendar year divided by total stock values as represented by an average of the monthly values for the year. The data employed in the construction of this index include, for 1871–1917, all industrial and public utility common stocks, and about 93 percent in market value of the railroad stocks traded on the New York Stock Exchange. The stocks and the periods of their inclusion are given in appendix II of the source volume. Subsequent to 1917 (in some cases 1926 or later) the stocks included in the Standard Statistics weekly indexes are used, which represent 90 percent of all common shares listed on the New York Stock Exchange. For further description of the indexes, see the source volume, pp. 1–50.

X 483-486. Yields on common stocks (Moody's), 1929-1970.

Source: Moody's Investors Service, Moody's Industrial Manual, New York, 1971 edition, p. a28 (copyright).

Annual figures are averages of monthly data which are dividends at annual rates based on latest company declarations divided by end-of-month prices.

X 487-491. Basic yields of corporate bonds, by term to maturity, 1900-1970.

Source: 1900-1942, David Durand, Basic Yields of Corporate Bonds, 1900-1942, New York, 1942 (copyright); 1943-1955, National Bureau of Economic Research, unpublished data; 1956-1970, Scudder, Stevens, and Clark, New York, unpublished data. Series published monthly in U.S. Bureau of Economic Analysis, Survey of Current Business.

Greater detail than is shown here as to yield by years to maturity appears in Durand's volume.

Through 1950, the basic yield series represent the yields estimated as prevailing in the first quarter of each year on the highest grade corporate issues, classified by term to maturity; thereafter, the yields estimated in February only. These series are based on monthly high and low quotations of practically all the actively traded high-grade corporate issues outstanding since 1900.

X 492. U.S. Government bond prices, 1919-1970.

Source: Board of Governors of the Federal Reserve System. 1919-1940, Federal Reserve Bulletin, May 1945, p. 483; 1941-1963, Supplement to Money and Banking Statistics, section 12, "Money Rates and Securities Markets," p. 98; 1964-1970, Federal Reserve Bulletin, January issues.

Prior to 1942, the prices are derived from average yields of partially tax-exempt bonds shown in series X 474 on the basis of a 4 percent 16-year bond through December 1930 and on the basis of a 2¾ percent 16-year bond for 1931-1941. For further description of the series, see Banking and Monetary Statistics, p. 429.

For 1942–March 31, 1952, figures for fully taxable issues are average prices of bonds due or first callable after 15 years; for April 1, 1952–March 31, 1953, average prices of fully taxable marketable $2\frac{1}{2}$ percent bonds first callable after 12 years; beginning April 1, 1953, prices are derived from average yields on the basis of an assumed 3 percent 20-year bond. The yield averages used are those on bonds maturing or callable in 10 years or more.

X 493-494. State and local government and corporate Aaa bond prices, 1900-1970.

Source: See source for series X 475, pp. 203 and 224.

The prices are a conversion of the yield indexes, assuming a 4-percent coupon with 20 years to maturity. For a description of the yield series for high-grade State and local government bonds, see text for series X 475. The corporate Aaa bond series is based upon the following: For 1900–1928, the monthly high-low price of 45 high-grade corporate bonds; for 1929–March 1937, a varying group of A1+bonds, one price monthly (first of month); beginning April 1937, the average of the weekly A1+ indexes. Annual data are averages of weekly figures.

X 495-498. Index of common stock prices, 1871-1970.

Source: See source for series X 475.

These indexes, which are based on the aggregate market value of the common stocks of all the companies in the sample, 500 stocks for all years (425 industrial, 25 railroad, and 50 public utility), express the observed market value as a percentage of the average market value during the base period. From January 1908 to date, these indexes are based on monthly averages of the Standard and Poor's stock price indexes. The indexes for earlier years have been converted to the 1941–43 base from the Cowles Commission stock price indexes, which are an extension of the Standard and Poor's indexes. The same method of construction was used for both, and, as far as possible the same companies. The formula used for this index is generally defined as a "base-weighted aggregative" expressed in relatives with the average value for the base period (1941–43) equal to 10 and with adjustments for arbitrary price changes caused by the issuance of rights, stock dividends, splitups, etc.

X 499-509. Security issues and net change in outstanding corporate securities, 1934-1970.

Source: U.S. Securities and Exchange Commission, Annual Report, 1952, pp. 210-221, and 1958, pp. 208-216; and Statistical Bulletin, May 1958, pp. 9-11, and subsequent issues; except series X 507-509, prior to 1960, unpublished data.

The data for series X 499-506 cover substantially all new issues of securities offered for cash sale in the United States in amounts over \$100,000 and with terms to maturity of more than one year. Figures include issues privately placed and publicly offered, whether unregistered or registered with the Securities and Exchange Commission.

The figures for privately placed issues include securities actually issued but exclude securities which institutions had contracted to purchase but had not actually taken during the period covered by the statistics. Also excluded are intercorporate transactions; U.S. Government "Special Series" issues, and other sales directly to Federal agencies and trust accounts; notes issued exclusively to commercial banks; and corporate issues sold through continuous offering, such as issues of open-end investment companies. Issues sold by competitive bidding directly to ultimate investors are classified as publicly offered issues. The figures for new capital include all issues other than those whose proceeds are intended to be used for retirement of securities already outstanding.

The figures for series X 507-509 on net change in outstanding corporate securities are derived by deducting from estimated gross proceeds received by corporations through the sale of securities the amount of estimated gross payments by corporations to investors for securities retired. Included in the latter figures are payments for issues retired with internal funds as well as with proceeds from new issues sold for refunding purposes. These series are based primarily on cash transactions but include conversions and exchanges of one type of security for another, e.g., bonds for stocks.

X 510-515. Corporate security issues, 1910-1934.

Source: 1910-1918, U.S. Bureau of Foreign and Domestic Commerce, Statistical Abstract of the United States, 1932, p. 292; 1919-1934, Board of Governors of the Federal Reserve System, Banking and Monetary Statistics, p. 487.

The Commercial and Financial Chronicle data used for these series, for 1919–1934, include all security issues publicly offered for sale by companies incorporated in the United States. Securities sold privately were included when the compilers were aware of the sale. Issues of foreign companies sold in the United States are excluded. Data are based on the offering price for preferred stock of no par value and for common stock, and on par amounts for bonds, notes, and preferred stock with stated par value. The data prior to 1919 include offerings of foreign corporations.

These series differ from those compiled by the Securities and Exchange Commission (series X 499-506) in a number of respects. The latter include issues on the basis of gross and/or net proceeds, whereas the *Chronicle* series include issues on the basis noted above. The *Chronicle* series include issues for exchange purposes, while the SEC figures include only that portion of such an offering that is sold for cash. The SEC series also include foreign corporate security issues sold in the United States, while the *Chronicle* series exclude them except for the period noted. The basis for inclusion of privately sold securities also differs.

X 516. New State and local government security issues, 1919-1970.

Source: Board of Governors of the Federal Reserve System, 1919-1933, Banking and Monetary Statistics, p. 487. U.S. Securities and Exchange Commission, 1934-1945, Annual Report, 1952, part 3, p. 211. Board of Governors of the Federal Reserve System, 1946-1963, Supplement to Banking & Monetary Statistics, section 12, "Money Rates and Securities Markets," p. 166; 1964-1970, Federal Reserve Bulletin, January issues.

Data represent principal amounts of securities offered publicly for sale in the United States by all political subdivisions either for new money or for refunding, retiring, or otherwise acquiring existing securities. They include loans from the U.S. Government. For 1919–1933, figures are as compiled and published by the *Commercial and Financial Chronicle*; for 1934–1956, they are from totals published

by the *Chronicle* and the *Bond Buyer*; beginning 1957, the figures are compilations of the Investment Bankers Association of America.

X 517-530. Market value and volume of sales of stocks and bonds on registered securities exchanges, 1935-1970.

Source: U.S. Securities and Exchange Commission, Statistical Bulletin, annual data in various issues (February, March, or April).

The data presented in these series are of two types depending upon the method of aggregation used by each exchange. Reports of some exchanges cover transactions cleared during the calendar month; clearances occur for the most part within five days of the execution of a trade. Reports for other exchanges cover transactions effected on trade dates falling within the report month. The variance introduced by these two different methods of aggregating the data is not considered to be significant and accordingly all registered exchanges are aggregated and reported in monthly summaries.

Stock data include voting trust certificates, certificates of deposit for stocks, and American Depository Receipts for stocks. Bond data have excluded transactions covering United States Government issues since March 1944. Warrants data include trading in rights for all periods.

X 531-535. Volume of sales on New York Stock Exchange, 1900-1970.

Source: 1900-1909, Board of Governors of the Federal Reserve System, Banking and Monetary Statistics, p. 485; 1910-1970, Commercial and Financial Chronicle, New York.

Data on stocks (series X 531) show the volume of share trading in round lots on the New York Stock Exchange, as reported by the Exchange ticker; this series excludes odd lots, stopped sales, private sales, split openings, crossed transactions, and errors of omission. Data on bonds are exclusive of stopped sales and, beginning in July 1947, include bonds of the International Bank for Reconstruction and Development.

X 536-539. Net assets, sales, and redemptions of mutual funds, 1940-1970.

Source: Investment Company Institute, Washington, D.C., Mutual Fund Fact Book, 1970, and Statistical Work Book, No. 19.

A mutual fund may be defined as a company which combines the funds of many investors whose investment goals are similar, and in turn invests those funds in a wide variety of securities. The selection, purchase, and sale of individual securities by the mutual fund are conducted under the supervision of professional managers. Different mutual funds have a variety of investment objectives, management policies, and degrees of risk. Some funds place strong emphasis on capital growth; others stress current income or a balance between growth and income; some are highly speculative.

Most mutual funds are technically known as open-end investment companies because they stand ready at any time to redeem outstanding shares upon request by the investor. As open-end companies, the number of their shares is not fixed, with the outstanding total varying as new shares are sold to investors and shares are redeemed by investors upon presentation to the company. Shares are generally available from investment dealers or fund sales representatives. In most cases, the offering price includes a sales charge of $7\frac{1}{2}$ to $8\frac{1}{2}$ percent, with lower rates applying on larger purchases. The redemption price is generally the net asset value prevailing at the time the shares to be redeemed are received by the company. The net asset value per share is determined by most companies at least once a day, and is computed by dividing the current market value of the company's total net assets by the number of its shares outstanding.

The origin of investment companies and the concept of diversification date well back into the 19th century. However, most of the growth in mutual funds in the United States, in both the number of companies and total assets, has occurred since World War II, and particularly in the 1950's and 1960's. Growth in net assets over the

years has been due not only to excess of share purchases over redemptions, but also to the long-term uptrend in market value of securities in which the mutual funds invest.

Mutual funds are regulated by both Federal and State governments. The major Federal statutes regulating investment companies are the Securities Act of 1933, the Securities Exchange Act of 1934, and the Investment Company Act of 1940. The latter regulates the creation and structure and many of the operations of investment companies. The Federal Acts are administered by the Securities and Exchange Commission.

X 540-542. Federal Reserve Board margin requirements, 1934-1970.

Source: Board of Governors of the Federal Reserve System, 1934-1963, Supplement to Banking & Monetary Statistics, section 12, "Money Rates and Securities Markets," p. 141; 1964-1970, Federal Reserve Bulletin, January issues.

Regulations T and U, administered by the Federal Reserve Board, limit the amount of credit that may be extended on a security by prescribing a maximum loan value, which is a specified percentage of its market value at the time of extension; the "margin requirements" shown are the differences between the market value (100 percent) and the maximum loan value.

X 543-546. Stock market credit, 1931-1970.

Source: Board of Governors of the Federal Reserve System. 1931-1937, Banking and Monetary Statistics, p. 501; 1938-1963, Supplement to Banking & Monetary Statistics, section 12, "Money Rates and Securities Markets," pp. 142-146; 1964-1970, Federal Reserve Bulletin, January issues.

Series X 543-545 relate to credit extended by stock brokers on the basis of reports made by a group of firms estimated to account for at least 90 percent of total credit extended by security brokers and dealers in the United States. Data for 1931-1934 are estimates based on data collected by the New York Stock Exchange, and for 1935-1970 are based on reports collected by the Federal Reserve Board. Customers' debit balances represent credit extended by brokers to their customers, and money borrowed represents most of the credit obtained by these brokers, including money borrowed against customer collateral as well as that for their own activities. Customers' free credit balances represent customers' funds held by brokers pending investment or pending remittances to customers.

Customer credit in the stock market (series X 546) is defined as the sum of customers' net debit balances of the reporting firms, exclusive of those secured by U.S. Government obligations, and bank loans to others than brokers and dealers for purchasing and carrying securities exclusive of U.S. Government securities. As a result of changes in reporting, this series is not entirely comparable. Prior to 1955, customers' net debit balances include balances secured by U.S. Government obligations. Bank loans to others for purchasing and carrying securities are figures of weekly reporting member banks for the last Wednesday of the year, a series beginning in 1938. At the end of 1970 these banks accounted for about seven-tenths of all loans for this purpose. Loans for purchasing and carrying U.S. Government securities are excluded for all reporting banks for 1944-1952, and for reporting banks in New York City and Chicago for 1953-1970. For further details concerning the series, see Banking and Monetary Statistics, pp. 435 and 437-438, and Supplement to Banking & Monetary Statistics, pp. 18-20.

X 547-550. Brokers' loans, by groups of lenders, 1918-1938.

Source: Board of Governors of the Federal Reserve System, Banking and Monetary Statistics, p. 494.

These data were assembled from various sources and, where gaps occurred, estimates were made. The figures represent loans to brokers by principal groups of lenders—New York City banks, outside

banks, and others. Other lenders comprise foreign banking agencies, corporations, other brokers, and individuals. The figures cover primarily loans to brokers and dealers in New York City, most of whom are members of the New York Stock Exchange, but they include also loans to certain investment banking houses that do not have Stock Exchange seats and to brokers and dealers belonging to other stock exchanges. Comparable data are not available after 1938. For a more detailed description of the series, see Banking and Monetary Statistics, pp. 434–435.

X 551-560. Short- and intermediate-term consumer credit, by major types, 1919-1970.

Source: Board of Governors of the Federal Reserve System, 1919-1955, Supplement to Banking & Monetary Statistics, section 16 (new), "Consumer Credit," p. 33; 1956-1970, Federal Reserve Bulletin, monthly issues.

Short- and intermediate-term consumer credit includes credit used to finance the purchase of commodities and services for personal consumption or to refinance debt originally incurred for such purposes. It also includes credit extended to individuals for the purchase of consumer goods that may be used in part for business.

Installment credit, series X 552-556, represents all consumer credit that is scheduled to be repaid in two or more payments. Revolving credit, budget, and coupon accounts are treated as installment credit rather than as charge accounts because they provide for scheduled repayment on a periodic basis. Published estimates of the amount of installment credit outstanding generally include the financing charges on such credit and the cost of insurance or other fees included in the credit contract.

Automobile paper, series X 553, represents credit extended for the purchase of new or used automobiles, whether or not the credit is specifically secured by the automobile purchased. Similarly, "other consumer goods paper," series X 554, represents credit extended for the purchase of such nonautomotive consumer goods as home appliances and furniture, jewelry, mobile homes, and boats.

Automobile credit and other consumer goods credit often are extended to the consumer by a retailer; sometimes the retailer will hold the paper for his own account, but in many instances he will sell it to a sales finance company, a commercial bank, or some other financial institution. In other instances installment paper represents loans made directly by lending institutions to consumers for the purchase of goods and services.

Repair and modernization loans, series X 555, include both Federal

Housing Administration-insured credit and noninsured credit extended to consumers to finance the maintenance and improvement of their homes. Such credit may be used for the purchase and installation of equipment, such as heating and air-conditioning systems, hot water heaters, storm windows, and kitchen equipment, as well as for major alterations and additions.

Personal loans, series X 556, include all installment loans not covered in the previous categories that are made by financial institutions to individuals for consumer purposes. Many of these loans are obtained for the consolidation of consumer debts, for the payment of medical, educational, or travel expenses, and for the payment of taxes or insurance premiums. Some loans used for the purchase of automobiles or other consumer goods may be classified as personal loans because the lender cannot identify them with purchases of specific goods.

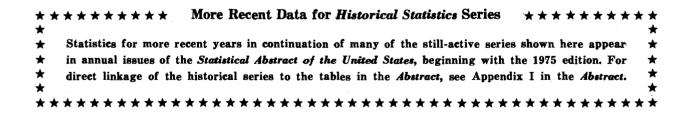
Noninstallment credit, series X 557-560, consists of those forms of consumer credit that are scheduled to be repaid in a lump sum.

Single-payment loans, series X 558, are noninstallment loans made directly to individuals for consumer purposes. Some credit of this type is used for the purchase of goods, but most is for meeting short-term needs such as for the payment of personal taxes or life insurance premiums.

Charge accounts, series X 559, represent noninstallment balances owed to retail outlets for purchases made by consumers. These are open accounts ordinarily payable in full within 30 days of billing. The charge-account segment also includes the amounts consumers owe on accounts at gasoline service stations or on miscellaneous credit-card accounts and on home-heating-oil accounts. Such indebtedness differs from other charge-account credit in that it does not take the form of outstanding balances on the books of retail outlets.

Service credit, series X 560, consists of the amounts owed by consumers to professional practitioners and service establishments. The largest element in service credit is the amount owed to doctors, hospitals, and other suppliers of medical services. Amounts owed to public utilities, less deposits and prepayments, are also substantial. The remainder of service credit represents amounts owed for a wide variety of services, including education, recreation, and such personal services as laundry, cleaning, and dyeing.

Estimates are described in the *Federal Reserve Bulletin* for December 1968 and October 1972. They are based for the most part on sample reports submitted monthly and are adjusted periodically to more comprehensive data. Figures prior to 1940 are based largely on estimates of the Department of Commerce.



Series X 444-455. Money Market Rates: 1890 to 1970 [Percent per annum. Open market rates in New York City]

			Finance company		xchange oans 3		τ	U.S. Governn	ent securities	4	Federal Rese New York di	rve Bank of iscount rate
	Stock exchange time loans,	Prime commercial paper, 4 to 6 months 1	paper, placed directly,			Prime bankers' acceptances,	3-mont	h bills 5	Certificates and selected	Selected note and	_	
Year	90 days 1	6 months 1	3- to 6- months 2	New	Renewals	90 days 1	Rate on new issues	Market yield	note and bond issues, 9- to 12- months	bond issues, 3- to 5- years	Low	High
	444	445	446	447	448	449	450	451	452	453	454	455
1970		7.72 7.83 5.90 5.10 5.55	7,23 7,16 5,69 4,89 5,42	7. 6. 5.	92 96 31 67 78	7.31 7.61 5.75 4.75 5.36	6.458 6.677 5.339 4.321 4.881	6.39 6.67 5.34 4.29 4.86	6.90 7.06 5.62 4.84 5.17	7.37 6.85 5.59 5.07 5.16	5.50 5.50 4.50 4.00 4.50	6.00 6.00 5.50 4.50 4.50
1965 1964 1963 1962 1961	4.50 4.50	4.38 3.97 3.55 3.26 2.97	4.27 3.83 3.40 3.07 2.68	4. 4. 4.	69 50 50 50 50	4.22 3.77 3.36 3.01 2.81	3.954 3.549 3.157 2.778 2.378	3.95 3.54 3.16 2.77 2.36	4.09 3.76 3.28 3.02 2.91	4.22 4.06 3.72 3.57 3.60	4.00 3.50 3.00 3.00 3.00	4.50 4.00 3.50 3.00 3.00
1960	4.99 4.22 3.62 4.35 3.89	3.85 3.97 2.46 3.81 3.31	3.54 3.82 2.12 3.55 3.06	4. 3.	99 22 72 50 4.03	3.51 3.49 2.04 3.45 2.64	2.928 3.405 1.839 3.267 2.658	2.87 3.37 1.78 3.23 2.62	3.55 4.11 2.09 3.53 2.83	3.99 4.33 2.90 3.62 3.12	3.00 2.50 1.75 3.00 2.50	4.00 4.00 3.00 3.50 3.00
1955 1954 1953 1952 1951	3.01 2.80 2.85 2.42 2.15	2.18 1.58 2.52 2.33 2.16	1.97 1.42 2.33 2.16 1.87	3.20 3.05 3.06 2.48 2.17	3.20 3.05 3.06 2.48 2.17	1.71 1.35 1.87 1.75 1.60	1.753 .953 1.931 1.766 1.552	1.73 .94 1.90 1.72 1.52	1.89 .92 2.07 1.81 1.73	2.50 1.82 2.56 2.13 1.93	1.50 1.50 1.75 1.75 1.75	2.50 2.00 2.00 1.75 1.75
1950 1949 1948 1947 1946	1 50	1.45 1.49 1.44 1.03	1.41 1.46 1.34 .94	1.63 1.63 1.55 1.38 1.16	1.63 1.63 1.55 1.38 1.16	1.15 1.13 1.11 .87 .61	1.218 1.102 1.040 .594 .375	1.20 1.11 1.05 .61 .38	1.26 1.14 1.14 .88 .82	1.50 1.43 1.62 1.32 1.16	1.50 1.50 1.00 1.00 7.50	1.75 1.50 1.50 1.00 1.00
1945 1944 1943 1942 1941	1.25 1.25 1.25 1.25 1.25	.75 .73 .69 .66 .53		1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00	.44 .44 .44 .44	.375 .375 .373 .326 .103	.38 .38 .38 .34 .13	.81 .79 .75	1.18 1.33 1.34 1.46 .73	7 .50 7 .50 7 .50 7 .50 1 .00	1.00 1.00 1.00 1.00 1.00
1940 1939 1938 1937 1936	1.25 1.25 1.25 1.25 1.16	.56 .59 .81 .94 .75		1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00	.44 .44 .43 .15	.014 .023 .053 .447 .143	.01 .02 .05 .45			1.00 1.00 1.00 1.00 1.50	1.00 1.00 1.00 1.50 1.50
1935 1934 1933 1932 1931	55	.75 1.02 1.73 2.73 2.64		.56 1.00 1.14 2.05 1.74	.55 1.00 1.16 2.05 1.74	.13 .25 .63 1.28 1.57	.137 .256 .515 .879 1.402	.14 .26 .52 .88 1.40			1.50 1.50 2.00 2.50 1.50	1.50 2.00 3.50 3.50 3.50
1930 1929 1928 1927 1926	3.26 7.75 5.86 4.35 4.60	3.59 5.85 4.85 4.11 4.34		2.87 7.74 6.10 4.05 4.52	2.94 7.61 6.04 4.06 4.50	2.48 5.03 4.09 3.45 3.59					2.00 4.50 3.50 8.50 3,50	4.50 6.00 5.00 4.00 4.00
1925	4 23	4.02 3.98 5.07 4.52 6.62		4.20 3.10 4.87 4.36 5.97	4.18 3.08 4.86 4.29 5.97	3.29 2.98 4.09 3.51 5.28					3.00 3.00 4.00 4.00 4.50	3.50 4.50 4.50 4.50 7.00
1920 1919 1918 1917 1916 1915		7.50 5.37 6.02 5.07 3.84 4.01 5.47			7.74 6.32 5.28 3.43 2.62 1.92 3.43	6.06 4.37 4.19					4.75 4.00 3.50 8.00 4.00	7.00 4.75 4.00 3.50 4.00 5.00

Year	Stock exchange time loans, 90 days ¹	Prime commercial paper, 4 to 6 months 1	Stock exchange call loans, renewals ³	Year	Stock exchange time loans, 90 days ¹	Prime commercial paper, 4 to 6 months 1	Stock exchange call loans, renewals ³	Year	Stock exchange time loans, 90 days ¹	Prime commercial paper, 4 to 6 months 1	Stock exchange call loans, renewals ³
	444	445	448	_	444	445	448		444	445	448
1913	4.64	6.20	3.22	1905	3.82	5.18	4.44	1897	2.68	4.72	1.75
1912	4.16	5.41	3.52	1904	3.10	5.14	1.78	1896	4.83	7.02	4.28
1911	3.22	4.75	2.57	1903	4.84	6.16	3.71	1895	2.82	5.80	1.88
1910	4.03	5.72	2.98	1902	5.05	5.81	5.15	1894	2.30	5.22	1.07
1909	3.26	8 4.67	2.71	1901	4.24	5.40	4.00	1893	5.08	7.64	4.57
	3.24	8 5.00	1.92	1900	3.94	5.71	2.94	1892	3.80	5.40	3.08
	6.49	8 6.66	7.01	1899	4.19	5.50	5.08	1891	4.83	6.48	3.42
	5.71	6.25	6.54	1898	3.31	5.34	2.18	1890	5.31	6.91	5.84

¹ Averages of weekly prevailing rates through 1934; averages of the most representative daily offering rates quoted by dealers thereafter.

² Averages of the most representative daily offering rates published by finance companies, for varying maturities in the 90–179 day range.

³ Seven-day average for week ending Wednesday.

⁴ Yields are averages computed from daily closing bid prices.

⁵ Bills quoted on bank discount rate basis.
⁶ Data for prior years not comparable; series includes the new bill issue the day following the auction, as trading begins on a when-issued basis.

⁷ Preferential rate on advances secured by Government securities; see text.
⁸ Includes 1 or more interpolated items.

Series X 456-465. Commercial and Finance Company Paper and Bankers' Acceptances Outstanding: 1918 to 1970 [In millions of dollars. As of end of year]

		mercial and fi				Ban	kers' accepta	nces				
		1				Held by—			Based on-			Commer- cial and finance
Year	Total	Placed through dealers	Placed directly	Total	Accepting banks	Federal Reserve banks	Others	Imports into U.S.	Exports from U.S.	Other	Year	company paper ¹
	456	457	458	459	460	461	462	463	464	465		456
1970 1969 1968 1967 1966 1965 1965 1963 1962 1962	2 81,765 2 31,709 20,497 16,535 13,279 9,058 8,361 6,747 6,000 4,686	12, 262 10, 601 7, 201 4, 901 3, 089 1, 903 2, 223 1, 928 2, 088 1, 711	17,154 16,814 13,296 11,634 10,190 7,155 6,138 4,819 3,912 2,975	7,058 5,451 4,428 4,317 3,603 3,392 3,385 2,890 2,650 2,683	2,694 1,567 1,544 1,906 1,198 1,223 1,671 1,291 1,153 1,272	307 210 167 320 384 331 216 254 196 177	4,057 3,674 2,717 2,090 2,022 1,837 1,498 1,345 1,301 1,234	2,601 1,889 1,423 1,086 997 792 667 567 541 485	1,561 1,153 952 989 829 974 999 908 778	2,895 2,408 2,053 2,241 1,778 1,626 1,719 1,414 1,331 1,229	1928	763 722 663 948 1,186 881
1960	4,497 3,202 2,751 2,672 2,183 2,085 1,933 1,973 1,749 1,333	1,358 677 840 551 506 510 733 564 552 449	8,139 2,525 1,911 2,121 1,677 1,525 1,200 1,409 1,197 884	2,027 1,151 1,194 1,307 967 642 873 574 492	662 319 302 287 227 175 289 172 183 197	304 157 117 142 119 61 19 24 20 21	1,060 675 775 878 621 405 565 378 289 272	403 357 254 278 261 252 285 274 232 235	669 309 349 456 329 210 182 154 125	954 485 590 574 377 180 406 147 135		
1950 1949 1948 1947 1946 1945 1944 1943 1942 1941	921 838 674 287 228 159 166 202 230		576 568 397	394 272 259 261 227 154 129 117 118	192 128 146 197 169 112 93 90 93	21 11 3 2 7 -	180 133 109 62 52 42 35 27 25	245 184 164 159 162 103 86 66 57	87 49 57 63 29 18 14 11 9	62 39 38 39 36 33 28 39 52		
1940 1939 1938 1937 1936 1935 1934 1933 1932 1932	218 210 187 279 215 171 166 109 81			209 233 270 343 373 397 543 764 710 974	167 175 212 278 315 368 497 442 604	2 2 1 131 44 556	42 57 58 63 57 29 46 190 62 156	109 103 95 117 126 107 89 94 79	18 39 60 87 86 94 140 207 164 222	81 92 116 139 161 196 314 463 468		
1930 1929 1928 1927 1926 1925 1925	358 334 383 555 526 621 798			1,556 1,732 1,284 1,081 755 774 821	371 191 76 105 77 93	767 939 813 619 437 442 430	417 602 395 357 242 239	221 383 316 313 284 311 292	415 524 497 391 261 297 305	919 825 472 877 211 165 223		

Represents zero.

Prior to 1948, total for commercial paper only represents paper maturing within months as reported by principal paper dealers; thereafter, figures for commercial

paper and finance company paper combined by method of placement represent paper with an original maturity of 9 months or less as reported by varying number of dealers.

2 Includes paper placed through banks, not shown separately.

Series X 466-473. Bank Rates on Short-Term Business Loans: 1919 to 1966

[Percent per annum] Business loan rates Business loan rates Customer loan rates Total 19 cities New York City Total 19 cities New York City Total leading cities New York City Northern and eastern cities 7 northern 11 southern 7 northern 11 southern Southern and western cities and western cities Year Year Year 466 467 470 466 467 469 **46**8 469 471 472 473 468 1966..... 1965.... 1964.... 1963.... 1962.... 1961.... 6.2 5.3 5.3 5.3 5.3 5.3 1946.... 1945.... 1944.... 1943.... 1942.... 2.1 2.2 2.4 2.6 2.2 2.0 2.1 2.5 2.7 2.9 2.3 1.9 2.5 2.5 2.8 2.8 2.6 2.5 6.0 5.1 5.0 5.0 5.0 5.0 6.1 5.0 5.0 5.0 5.0 1.8 2.0 2.1 2.2 2.0 1.8 1929..... 1928..... 1927.... 1926.... 6.1 5.7 5.6 5.6 6.0 5.4 5.0 5.1 5.9 5.2 4.5 4.7 6.0 5.3 4.9 5.1 5.0 5.1 5.5 5.6 6.8 5.6 5.7 5.9 6.1 7.0 5.0 5.1 5.5 5.5 6.7 4.5 4.6 5.2 5.1 6.3 1925.... 1941___ 1924..... 1923..... 1922..... 1921..... 1960____ 1959____ 1958____ 1957____ 1956____ 5.2 5.0 4.3 4.6 4.2 5.0 4.8 4.1 4.5 4.0 5.2 5.0 4.3 4.6 4.2 5.5 5.2 4.7 4.8 4.4 2.1 2.1 2.5 2.6 2.7 1.8 1.8 1.7 1.7 2.0 2.0 2.8 2.9 3.0 2.5 2.5 3.3 3.3 3.4 1940.... 1939.... 1938.... 1937.... 1920____ 1919____ 1936... $\frac{6.8}{6.0}$ 2.9 3.5 4.3 4.7 4.3 1.8 2.5 3.4 4.2 3.8 3.5 3.4 3.5 3.3 2.8 4.0 4.0 4.0 3.8 3.5 3.4 3.7 4.5 4.8 4.3 3.8 4.3 5.0 5.2 4.9 3.7 3.6 3.7 1935.... 1934.... 1933.... 1932.... $3.5 \\ 3.1$ $\frac{3.5}{3.1}$ 1931___ 2.7 2.7 2.5 2.1 1930____ 1929____ 1928____ 2.4 2.4 2.2 1.8 $2.7 \\ 2.7 \\ 2.6 \\ 2.2$ 3.2 3.1 2.9 2.6 $\frac{4.9}{5.8}$ 4.4 5.8 5.0 4.8 5.8 5.2 5.4 5.9 5.4 1950

INTEREST RATES AND SECURITY MARKETS

Series X 474-486. Bond and Stock Yields: 1857 to 1970

[Percent per annum]

				Bond	s									Commo	n stocks			
					Corpo	rate				Cov	wles Co	ommiss	ion	_		М	oody's	
Year	G	U.S. Fovern- ment	Muni pal high grad	e U	nadjusted index of yields of American railroads	Corporate Aaa (Moody's)	Preferr stock		Total	Indu	strial	Railr	oad	Utilities	Composite	Industria	l Railroad	Utilities
		474	475		476	477	478		479	4	80	48	1	482	483	484	485	486
1970 1969 1968 1967 1966 1965 1964 1963 1962		6.59 6.10 5.25 4.85 4.66 4.21 4.15 4.00 3.95 3.90	5. 4. 3. 3. 3. 3.	81 98 82 27 22 18		5.13	6.	41 -78 -34 -33 -50 -66 -							3.97 3.42 3.22 3.35 3.57 3.06 3.00 3.17 3.37 3.07	3.60 3.14 2.93 3.11 3.44 2.98 2.98 3.20 3.37 3.04	4.90 4.50 4.82 4.80 4.30 4.05 4.46 5.30	5.94 4.88 4.57 4.26 3.99 3.30 3.15 3.12 3.25 3.10
1960 1959 1958 1957 1956 1955 1954 1953 1952		4.01 4.07 3.43 3.47 3.08 2.84 2.55 2.94 2.68 2.57	3. 3. 2. 2. 2.	95 56 60 93 53 37 72		3.89 3.36 3.06	4. 4. 4. 4. 4. 4.	75 - 69 - 45 - 01 - 02 - 27 - 13 -							3.60 3.31 4.01 4.33 4.07 4.05 4.75 5.49 5.49 6.11	3.48 3.12 3.84 4.11 3.93 4.66 5.51 6.28	4.61 5.60 6.77 5.51 4.89 6.14 5.88	3.84 3.93 4.31 4.92 4.68 4.49 4.81 5.32 5.38 5.78
1950 1949 1948 1947 1946 1945 1944 1943 1942		2.32 2.31 2.44 2.25 2.19 2.37 2.48 2.47 2.46 2.05	2. 2. 1. 1. 2.	21 40 01 64 86 06 36		2.82 2.61 2.53	3. 3. 3. 3. 4. 4.	85 - 97 - 15 - 79 - 53 - 70 - 99 - 06 - 31 -							6.28 6.62 5.77 5.12 3.93 4.17 4.83 4.89 6.64	6.52 6.80 5.81 5.01 3.71 3.98 4.57 4.58 6.38	8.44 6.02 6.15 5.28 5.48 6.74 6.87 7.74	5.64 5.85 5.85 5.28 4.22 4.90 6.24 6.78 9.75 7.93
1940		2.26 2.41 2.61 2.74 2.69 2.79 3.12 3.31 3.68 3.34	2. 2. 3. 3. 4. 4.		3,88 4,24 4,53 5,35 5,73 4,66	2.84 3.01 3.19 3.26 3.24 3.60 4.00 4.49 5.01 4.58	4. 4. 4. 4. 5. 6.	34 45 33 63 29 75	4.87 4.35 3.88 3.92 4.05 6.69 5.58		4.91 4.27 3.51 3.45 3.56 6.58 5.82	3 5 2 3 2 5 5	.76 .32 .94 .09 .50	5.12 4.31 5.97 6.56 6.27 7.36 4.43	5.26 4.14 4.30 4.63 3.50 4.01 4.07 4.22 7.13 5.93	5.26 3.84 3.77 4.61 3.37 3.49 3.49 7.06 6.14	3.64 5.07 4.04 2.74 3.93 2.52 5.63	6.01 5.28 6.18 5.26 3.67 4.85 5.76 5.67 7.23 4.97
1930 1929 1928 1927 1926 1925 1924 1923 1922		3.29 3.60 3.33 3.34 3.68 3.86 4.06 4.36 4.30 5.09	4. 3. 4. 4. 4.	07 27 05 98 08 09 20 25 23	4.41 4.60 4.35 4.34 4.47 4.73 4.84 4.98 5.57	4.55 4.73 4.55 4.57 4.73 4.88 5.00 5.12 5.10 5.97	4. 5. 5. 5. 6. 6. 6.	12 12 51 78 90 08 12 14	4.26 3.48 3.98 4.77 5.32 5.19 5.87 5.80 6.49		4.45 3.65 3.82 4.72 5.24 4.75 5.25 5.40 5.37 5.84	4 4 4 5 5 6 6 5	.27 .29 .76 .89 .52 .66 .44 .29 .95	3.19 2.29 4.09 4.96 5.57 6.13 7.35 7.62 8.29	4.45	4.88	5.36	3.30 2.03
1920 1919		5.32 4.73	4. 4.	98 46	5.81 5.29	6.12 5.49	6. 6.	79 31	6.13 5.75		5.54 5.18	6	.81	$\frac{8.06}{7.37}$				
		Unadju		ъ.	Common	stocks, Cov	vles Com	missi	on		Unadi	usted	Comm	non stocks	, Cowles Co			Unadjusted
Year	Munici- pal high grade bonds	index yields Ameri railro bono	of can ad	Pre- ferred stocks	Total		Rail- road	Utili ties		ır	inde: yield Amer railr bon	is of ican oad	Tota	Indu		Utili- ties	Year	index of yields of American railroad bonds
	475	476	;	478	479	480	481	482			47	6	479	480	481	482		476
1918	4.50 4.20 3.94 4.16 4.12 4.22 4.02 3.98		5.23 4.79 4.49 4.62 4.44 4.44 4.23 4.19	6.70 6.42 6.19 6.48 6.49 6.57 6.27	7.24 7.82 5.62 4.98 5.01 5.37 4.85	7.71 9.79 6.16 4.19 5.32 5.71 4.98 5.36	6.32 6.12 5.13 5.21 4.64 5.16 4.73 4.68	7.5 6.7 6.0 6.0 5.6 5.1	75 1893_ 72 1892_ 01 1891_ 06 1890_ 66 1889_ 11 1888_			4.41 4.65 4.53 4.71 4.55 4.43 4.59 4.65 4.55	4.6 5.0 4.1 4.2 4.0 3.8 4.1 4.2 3.8	03 8.1 16 5.5 28 5.9 01 5.0 38 4.4 18 4.2 24 5.1	2 4.35 3.77 6 3.83 7 3.54 1 3.35 9 3.84 3 4.09	5.94 5.45 5.05 5.44 6.03 5.26 6.11 4.88 3.75	1870 1869 1868 1867 1866 1865 1864 1869	7.92 8.13 7.80 7.87 7.95 7.62 6.27 6.34
1910	3.97 3.78 3.93 3.86 3.57 3.40 3.45 3.20 3.13			6.30	4.84 4.31 4.93 5.38 3.96 3.53 4.18 4.65 3.71 3.85	5.33 3.64 4.81 6.16 4.17 3.76 4.83 6.77 4.83 5.25	4.63 4.47 4.97 5.21 3.58 3.20 3.85 3.90 3.21 3.25	5.0 4.5 4.7 4.6 4.6 4.6 3.8	04 57 1885_ 98 1884_ 78 1883_ 57 1881_ 77 1881_ 64 1880_ 60 1879_ 03 1878_			4.89 5.15 5.23 5.24 5.19 5.60 5.98 6.45 6.62 6.68	5.0 6.3 5.6 5.1 4.8 4.7 5.1	09 6.0 6.2 69 6.2 88 5.2 84 5.0 78 6.8 70 4.7 78 5.1	2 4.71 6.13 5.47 3 5.07 6 4.84 4.64 4.64 4.5.15 1 5.94	8.14 8.03 7.34 6.18 4.64 4.08 5.25 4.61 5.01 6.98	1862 1861 1860 1859 1858 1857	7.56 8.88 8.59 8.91 9.34 10.25
1900 1899 1898 1897 1896 1895			4.03 - 4.11 - 4.34 -		4.50 3.21 3.72 3.90 4.15 3.97	5.74 3.62 5.04 5.32 5.56 5.46	3.93 3.03 3.38 3.47 3.77 3.50	5.3 3.4 3.9 4.7 4.7	30 47 1875_ 91 1874_ 73 1873_			7.06 7.53 7.76 7.60 7.78	6.8 6.8 6.5 5.7	6.0 6.7 6.4 70 6.4	6 6.41 6.80 6.98 6.18	7.90 7.92 2.81 2.12 2.98		

Series X 487-491. Basic Yields of Corporate Bonds, by Term to Maturity: 1900 to 1970
[Percent per annum]

		Yes	irs to mat	urity				Yes	irs to mat	urity				Yes	rs to mat	urity	
Year	1 year	5 years	10 years	20 years	30 years	Year	1 year	5 years	10 years	20 years	30 years	Year	1 year	5 years	10 years	20 years	30 years
	487	488	489	490	491		487	488	489	490	491		487	488	489	490	491
1970 1969 1968 1967	8.15 7.05 6.24 5.29	8.10 7.05 6.24 5.28	8.00 7.05 6.20 5.23	7.60 6.77 6.00 5.00	7.60 6.54 5.93 4.95	1946 1945 1944 1943	1.86 1.02 11.08 1.17	1.32 1.53 1.58 1.71	11.88 2.14 2.20 2.16	2.35 2.55 2.60 2.61	2.48 2.55 2.60 2.65	1922 1921 1920	5.31 16.94 6.11	5.19 6.21 5.72	5.06 5.78 5.43	4.85 5.31 5.17	4.71 5.17
1966	5.29 5.00 4.15	4.97 4.29	4.91 4.33	4.80 4.35	4.75 4.75	1942 1941	.81	1.50 1.21	2.16 2.16 1.88	2.61 2.61 2.50	2.65 2.65 2.65	1919 1918 1917	5.58 5.48 4.05	5.16 5.25 4.05	4.97 5.05 4.05	4.81 4.82 4.05	5.10 4.75 4.75 4.05
1964 1963 1962	4.00 3.25 8.50	4.15 3.77 3.97	4.25 3.98 4.28	4.33 4.10 4.40	4.33 4.16 4.42	1940 1939 1938	.41 .57 .85	1.28 1.55 1.97	1.95 2.18 2.60	2.55 2.65 2.91	2.70 2.75 3.00	1916	3.48 4.47	4.03	4.05	4.05	4.05
1961	3.10 4.95	3.75 4.73	4.60	4.12	4.22	1937 1936	.69 .61	1.68 1.86	2.38 2.64	2.90 3.04	3.08 3.20	1914 1913 1912	4.64 4.74 4.04	4.45 4.31 4.00	4.32 4.12 3.96	4.16 4.02 3.91	4.10 4.00 3.90
1959 1958 1957	3.67 13.21 13.50	3.80 13.25 13.50	4.03 3.83 3.50	4.10 3.47 13.50	4.10 3.61 3.68	1935 1934 1933	1.05 12.62 12.60	2.37 3.48 3.68	3.00 3.70 4.00	3.37 3.91 4.11	3.50 3.99 4.15	1911	4.09	4.10	4.01 3.99	3.94	3.90
1956	2.70 (NA)	2.78 12.70	2.86	2.99	3.09	1932 1931	23.99 3.05	14.58 3.90	4.70 4.03	4.70 4.10	4.70 4.10	1909 1908 1907	4.03 25.10 24.87	3.97 24.30 23.87	3.91 24.02 3.80	3.82 3.95 3.80	3.77 3.95 3.80
1954 1953 1952	2.40 12.62 12.78	2.52 12.75 12.73	2.66 2.88 2.78	2.88 3.05 2.88	3.00 8.15 3.00	1930 1929 1928	4.40 5.27 4.05	4.40 4.72 4.05	4.40 4.57 4.05	4.40 4.45 4.05	4.40 4.42 4.05	1906	2 4.75 3.50	3.67	3.55	3.55	3.55
1951	12.05	12.22	2.39	2.59	2.67 2.58	1927 1926	4.30 4.40	4.30 4.40	4.30 4.40	4.30 4.40	4.30 4.40	1904 1903 1902 1	3.60 3.45 3.30	3.60 3.45 3.30	3.60 3.45 3.30	3.60 3.45 3.30	3.60 3.45 3.30
1949 1948 1947	1.60 1.60 1.05	1.92 2.03 1.65	2.32 2.53 12.08	2.48 2.62 2.73 2.40	2.74 2.80 2.50	1925 1924 1923	8.85 5.02 5.01	4.46 4.90 4.90	4.50 4.80 4.80	4.50 4.69 4.68	4.50 4.66 4.61	1901	3.25	3.25	3.25	3.25	3.25

NA Not available.

1 More than usually liable to error.

Series X 492-498. Bond and Stock Prices: 1871 to 1970

	Bonds (1	orice per \$1	.00 bond)			's index of 1-43 = 10			Bonds (1	orice per \$1	00 bond)	Standar	d and Poor stocks (194	's index of 1–43 = 10	common
		Standard	and Poor's							Standard	and Poor's				
Year	U.S. Govern- ment	State and local govern- ment	Corporate Aaa	Total	Indus- trial	Railroad	Utilities	Year	U.S. Govern- ment	State and local govern- ment	Corporate Aaa	Total	Indus- trial	Railroad	Utilities
	492	493	494	495	496	497	498		492	493	494	495	496	497	498
1970	\$60.5	\$72.3	\$61.6	83.22	91.29	32.13	54.48	1935	\$99.5	\$108.6	\$105.5	10.60	10.13	11.78	15.15
1969	64.5	79.0	68.5	97.84	107.13	45.95	62.64	1934	95.4	99.7	98.2	9.84	9.00	14.05	15.79
1968	72.3	93.5	76.4	98.70	107.49	48.84	66.42	1933	93.1	91.0	91.2	8.96	7.61	12.75	19.72
1967	76.6	100.5	81.8	91.93	99.18	46.72	68.10	1932	88.9	91.7	84.4	6.93	5.37	8.75	20.65
1966	78.6	102.6	86.1	85.26	91.09	46.34	68.21	1931	92.8	100.0	92.8	13.66	10.51	23.72	37.18
1965	83.8	110.6	93.9	88.17	93.48	46.78	76.08	1930	108.8	99.0	90.9	21.08	16.42	39.82	53.24
1964	84.5	111.5	95.1	81.37	86.19	45.46	69.91	1929	104.8	96.5	89.1	26.02	21.35	46.15	59.33
1963	86.3	111.3	96.8	69.87	73.39	37.58	64.99	1928	108.3	99.3	91.8	19.95	16.92	40.40	36.86
1962	86.9	112.0	96.2	62.38	65.54	30.56	59.16	1927	108.1	100.3	91.6	15.34	12.53	38.17	27.63
1961	87.6	107.8	95.2	66.27	69.99	32.83	60.20	1926	108.8	99.0	90.1	12.59	10.04	32.72	24.11
1960	86.2	103.9	94.7	55.85	59.43	30.31	46.86	1925	101.7	98.8	88.3	11.15	8.69	29.21	23.28
1959	85.5	100.7	95.0	57.38	61.45	35.09	44.15	1924	99.3	97.4	86.6	9.05	6.83	25.02	19.34
1958	94.0	106.4	102.9	46.24	49.36	27.05	37.22	1923	95.9	96.7	85.0	8.57	6.54	23.45	18.11
1957	93.2	105.8	101.3	44.38	47.63	28.11	32.19	1922	96.6	96.9	85.5	8.41	6.35	23.71	17.39
1956	98.9	116.3	109.1	46.62	49.80	33.65	32.25	1922	88.2	86.5	76.6	6.86	5.07	20.15	14.18
1955	102.4	123.1	114.4	40.49	42.40	32.94	31.37	1920		87.7	75.2	7.98	6.50	20.86	13.36
1954	107.0	125.8	117.2	29.69	30.25	23.96	27.57	1919		93.9	81.9	8.78	7.13	22.94	14.79
1953	99.1	119.7	112.1	24.78	24.84	22.60	24.03	1918		93.5	82.3	7.54	5.57	22.40	14.70
1952	97.3	129.3	115.8	24.50	24.78	22.49	22.86	1917		97.3	87.6	8.50	6.15	24.89	18.24
1951	98.4	133.0	117.7	22.34	22.68	19.91	20.59	1917		100.9	90.7	9.47	6.62	28.35	20.26
1950	102.5	133.4	121.9	18.40	18.33	15.53	19.96	1915		97.8	89.5	8.31	5.22	26.38	18.65
1949	102.7	128.9	121.0	15.23	15.00	12.83	17.87	1914		98.4	90.4	8.08	4.50	27.39	18.14
1948	100.8	125.3	118.2	15.53	15.34	15.27	16.77	1913		97.0	90.0	8.51	4.56	29.48	18.92
1947	103.8	132.8	122.1	15.17	14.85	14.02	18.01	1912		99.7	92.2	9.53	5.18	32.83	20.92
1946	104.8	140.1	123.4	17.08	16,48	19.09	20.76	1911		100.2	92.5	9.24	4.82	32.43	20.00
1945	102.0	139.6	121.6	15.16	14.72	18.21	16.84	1910		100.4	92.3	9.35	5.02	32.90	19.08
1944	100.2	135.7	118.7	12.47	12.34	13.47	12.81	1909		103.1	93.3	9.71	4.99	34.79	19.39
1943	100.5	131.8	118.3	11.50	11.49	11.81	11.34	1908		100.9	90.3	7.78	3.74	28.18	16.11
1942	100.7	126.2	117.4	8.67	8.78	8.81	7.74	1907		102.0	90.8	7.84	3.84	28.09	17.36
1941	109.5	130.9	117.7	9.82	9.72	9.39	10.93	1906		106.2	95.0	9.64	4.82	34.06	23.25
1940 1939 1988 1987 1936	106.6 104.5 101.8 100.1 100.8	123.6 119.0 116.6 113.3 118.8	116.8 114.7 111.7 110.2 109.6	11.02 12.06 11.49 15.41 15.47	10.69 11.77 11.89 14.97 14.69	9.41 9.82 9.15 16.86 17.71	15.05 16.34 14.17 19.07 22.47	1905 1904 1903 1902 1901 1900		108.7 108.0 108.9 111.8 112.8 113.1	96.2 93.6 93.2 95.5 94.9 93.6	8.99 7.05 7.21 8.42 7.84 6.15	4.11 2.92 3.20 3.92 4.00 3.38	31.85 24.61 24.71 28.37 25.01 18.62	25.59 24.19 24.48 28.25 27.82 24.22

² One alternative value; the other is equal to the longest term yield shown.

INTEREST RATES AND SECURITY MARKETS

Series X 492-498. Bond and Stock Prices 1871 to 1970—Con.

	index o	Standard f common st	and Poor's ocks (1941–	43 = 10)		index of	Standard common sto	and Poor's ocks (1 94 1–4	3 = 10)		index of	Standard common sto	and Poor's ocks (1941–4	3 = 10)
Year	Total	Industrial	Railroad	Utilities	Year	Total	Industrial	Railroad	Utilities	Year	Total	Industrial	Railroad	Utilities
	495	496	497	498		495	496	497	498		495	496	497	498
1899 1898 1897 1896 1895 1894 1893 1892 1891	6.29 5.05 4.45 4.23 4.53 4.39 4.78 5.55	3.67 2.74 2.32 2.32 2.22 2.50 2.41 2.66 3.19 2.88	18.21 14.71 13.06 12.48 13.29 12.95 14.15 16.58 15.22	27.76 23.44 20.55 18.84 19.25 18.09 18.47 19.10 16.16	1890 1889 1888 1887 1886 1885 1884 1883 1882 1881	5.27 5.32 5.20 5.53 5.36 4.60 4.74 5.63 5.90 6.25	2.99 3,24 2.70 2.60 2.48 2.19 2.06 2.25 2.41 2.45	15.80 15.70 15.78 17.11 16.57 14.14 14.68 17.44 18.18 19.38	18.14 18.59 16.96 16.93 16.80 14.81 15.16 19.14 20.31 21.09	1880	5,21 4,12 3,38 3,14 4,06 4,45 4,57 4,80 5,08 4,69	2.10 1.90 1.78 1.80 2.27 2.40 2.37 2.38 2.00	16.08 12.44 10.00 9.22 12.00 13.16 13.53 14.34 15.02 14.26	17.36 14.83 12.54 10.94 13.92 16.43 16.44 17.06 18.79 15.91

Series X 499-509. Security Issues and Net Change in Outstanding Corporate Securities: 1934 to 1970
[In millions of dollars]

		Total secu	ırity issues		C	classes of corpo	orate securities	1	Net c	nange in outsta	inding
			Corporate		Bonds as	nd notes	Sto	eks		rporate securiti	
Year	Non- corporate	Total	Use of p	roceeds							
	•	gross proceeds	Retirement of securities	Other	Publicly offered	Privately placed	Preferred	Common	Total	Bonds and notes	Stocks
	499	500	501	502	503	504	505	506	507	508	509
1970 1969 1968 1967	49,721 26,003 43,596 43,716 26,941	38,944 26,744 21,966 24,798 18,074			25,385 12,735 10,731 14,990 8,018	4,880 5,613 6,651 6,964 7,542	1,388 682 637 885 574	7,292 7,714 3,946 1,959 1,939	29,628 18,027 13,062 18,229 12,258	22,825 13,755 13,962 15,960 11,088	6,801 4,272 -900 2,267 1,169
1965 1964 1963 1962 1961	24,116 23,165 22,989 19,251 22,363	15,992 13,957 12,211 10,705 13,165	1,528 754 868	10,553 9,747 12,017	5,570 3,623 4,713 4,440 4,700	8,150 7,243 6,143 4,529 4,720	725 412 343 422 450	1,547 2,679 1,011 1,314 3,294	8,061 8,068 5,328 5,552 7,819	8,098 6,637 5,577 4,864 5,170	$ \begin{array}{r} -37 \\ 1,431 \\ -249 \\ 688 \\ 2,650 \end{array} $
1960	21,326 22,885 17,687	10,154 9,748 11,558 12,884 10,939	271 135 549 214 364	9,653 9,392 10,823 12,447 10,384	4,806 3,557 6,332 6,118 4,225	3,275 3,632 3,320 3,839 3,777	409 531 571 411 636	1,664 2,027 1,334 2,516 2,301	6,690 6,448 7,977 9,739 7,158	4,994 4,073 5,850 7,026 4,611	1,696 2,376 2,127 2,713 2,548
1955 1954 1963 1962 1951	19,926	10,240 9,516 8,898 9,534 7,741	1,227 1,875 260 664 486	8,821 7,490 8,495 8,716 7,120	4,119 4,003 3,856 3,645 2,364	3,301 3,484 3,228 3,957 3,326	635 816 489 564 838	2,185 1,213 1,326 1,369 1,212	6,081 5,602 6,688 7,383 5,886	4,188 3,799 4,757 4,942 3,583	1,893 1,802 1,932 2,441 2,303
1950 1949 1948 1947 1946	15,059 13,172	6,361 6,052 7,078 6,577 6,900	1,271 401 307 1,352 2,868	4,990 5,558 6,652 5,114 3,889	2,360 2,437 2,965 2,889 3,019	2,560 2,453 3,008 2,147 1,863	631 425 492 762 1,127	811 736 614 779 891	3,469 4,592 5,818 4,191 2,226	2,004 3,285 4,725 3,005 1,114	1,465 1,307 1,098 1,186 1,111
1945 1944 1943 1942 1941	53,108 43,348 34,376	6,011 3,202 1,170 1,062 2,667	4,555 2,389 739 396 1,583	1,347 753 408 646 1,041	3,851 1,892 621 506 1,578	1,004 778 369 411 811	758 369 124 112 167	397 163 56 34 110	-573 -516 -800 -336 -24	-1,038 -653 -767 -389 -125	464 136 - 33 53 101
1940 1939 1938 1937 1936	3.523	2,677 2,164 2,155 2,310 4,572	1,854 1,695 1,206 1,100 3,368	761 420 904 1,138 1,062	1,628 1,276 1,353 1,291 3,660	758 703 691 327 369	183 98 86 406 271	108 87 25 285 272	-273 -559 549 -48 626	-342 -621 578 -452 575	69 62 29 404 51
1935 1934	4,352 4,512	2,332 397	1,865 231	401 152	1,840 280	385 92	86 6	22 19	$-343 \\ -260$	-200 -250	-143 -10

¹ Estimated gross proceeds, which represent the amount paid for the securities by investors.

Series X 510-515. Corporate Security Issues: 1910 to 1934

	Corp	porate secur	ities	Classes o	f corporate	securities		Cor	porate secur	ities	Classes o	of corporate	securities
Year	Total	New	Retire- ment	Bonds and	Sto	cks	Year	Total	New	Retire- ment	Bonds and	Sto	ocks
		capital	of securities	notes	Preferred	Common			capital	of securities	notes	Preferred	Common
	510	511	512	513	514	515		510	511	512	513	514	515
1934 1938 1982 1981	490 380 644 2,372	178 161 325 1,551	312 219 319 821	456 227 620 2,028	3 15 10 148	31 137 13 195	1921 1920 1919	2,668	1,702 2,563 2,246	568 225 422	1,994 1,750 1,122	75 483 793	200 555 753
1930 1929 1928 1928 1927	4,957 9,376 6,930 6,507 4,574	4,483 8,002 5,346 4,657 8,754	474 1,374 1,584 1,850 820	3,431 2,620 3,439 4,769 3,354	421 1,695 1,397 1,054 543	1,105 5,062 2,094 684 677	1918 1917 1916 1915				1,047 1,076 1,405 1,111 1,175	3 2	98 55 82 25 62
1925 1924 1923 1922	4,223 3,521 3,165 2,949	3,605 3,029 2,635 2,215	618 492 530 734	2,975 2,655 2,430 2,329	637 346 407 333	610 519 329 288	1913 1912 1911 1910				1,194 1,350 1,387 1,113	9	.52 .04 .52 .05

Series X 516. New State and Local Government Security Issues: 1919 to 1970 [In millions of dollars]

Year	Amount	Year	Amount	Year	Amount	Year	Amount	Year	Amount	Year	Amount	Year	Amount
	516		516		516		516		516		516		516
1970 1969 1968 1967 1966 1965 1964 1963	18,164 11,897 16,600 14,766 11,405 11,329 10,847 10,538	1962	8,845 8,566 7,292 7,697 7,526 6,926 5,446 5,977	1954	6,969 5,558 4,401 3,278 3,694 2,996 3,004 2,354	1946 1945 1944 1943 1942 1941	1,204 795 661 485 524 956 1,238	1939	1,126 1,108 908 1,121 1,232 939 520	1932	849 1,256 1,487 1,431 1,415 1,510 1,366	1922	1,400 1,399 1,063 1,101 1,207 683 691

Series X 517-530. Market Value and Volume of Sales of Stocks and Bonds on Registered Securities Exchanges: 1935 to 1970

[In millions All exchanges New York Stock Exchange Rights and warrants Stocks Bonds Rights and warrants Stocks Market Market Year value, all sales value, all sales Market value Market value Number of units Market value Shares Market value Market Market value Shares Par value Par value Number of units value 517 518 519 **520** 521 522 **524** 525 526 527 528 529 530 233 70 54 107 93 \$136,465 180,877 202,772 168,258 127,914 \$131,126 175,297 196,358 161,746 123,034 \$4,763 4,501 5,670 6,087 4,261 \$107,649 133,173 149,395 130,791 102,754 \$103,063 129,603 144,978 125,329 98,565 3,213 3,174 3,299 2,886 2,205 \$4,328 3,550 4,402 5,428 4,101 \$5,555 4,123 4,448 4,862 3,590 1970. 1969. 1968. 1967. 1966. 4,539 4,963 5,312 4,504 3,188 \$576 1,079 744 424 619 \$6,300 294 171 96 5,124 5,459 5,394 3,740 14 34 88 141 123 93,325 75,328 66,157 56,564 66,068 89,225 72,147 64,314 54,732 63,802 2,587 2,045 1,838 1,664 2,010 3,794 2,882 1,740 1,730 2,023 76,878 63,284 56,564 49,019 54,785 73,200 60,424 54,887 47,341 52,699 1,809 1,482 1,351 1,187 1,292 3,643 2,783 1,667 1,666 1,964 8,150 2,542 1,586 1,719 1,909 58 60 21 34 100 1965 1964 1968 305 298 103 102 243 82 81 41 47 131 3,289 2,641 1,654 1,786 1,954 13 122 1961 46,901 53,877 39,962 33,360 36,360 45,219 51,864 38,408 32,206 35,133 1,389 1,605 1,400 1,292 1,182 1,607 1,892 1,554 1,154 1,227 39,552 45,368 34,351 28,686 31,064 37,960 43,476 32,818 27,547 29,855 1,580 1,864 1,533 1,140 1,209 1,587 1,783 1,561 1,235 1,229 29 76 77 200 85 1960_ 1959_ 1958_ 1957_ 75 122 144 147 114 51 94 93 222 98 1,614 13 28 64 96 68 1,816 1,583 1,258 1,253 161 55 47 59 45 1,212 1,053 716 732 863 1,231 1,026 781 791 825 1,261 1,121 909 899 955 39,261 29,156 17,488 18,179 22,127 37,868 28,130 16,708 17,388 21,302 108 59 82 105 77 34,038 25,267 15,010 15,531 19,013 32,745 24,264 14,250 14,761 18,215 820 749 520 522 643 1,226 1,089 875 868 915 89 46 71 90 63

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Series X 517-530. Market Value and Volume of Sales of Stocks and Bonds on Registered Securities Exchanges: 1935 to 1970—Con.

[In millions]

	l.		A	All exchanges	3					New Yo	rk Stock Ex	change		
	Market	Sto	cks	Bor	ıds	Rights and	d warrants	Market	Sto	cks	Bon	ds	Rights and	warrants
Year	value, all sales	Market value	Shares	Market value	Par value	Market value	Number of units	value, all sales	Market value	Shares	Market value	Par value	Market value	Number of units
	517	518	519	520	521	522	523	524	525	526	527	528	529	530
1950 1949 1948 1947 1946	22,840 11,443 13,749 12,541 20,001	21,777 10,740 12,904 11,587 18,814	857 516 570 512 802	1,038 703 846 954 1,187	1,278 933 1,172 1,274 1,572	25 25 21 59 97	35 38 30 39 46	19,735 9,674 11,731 10,617 16,675	18,725 9,012 10,932 9,742 15,562	655 380 413 358 531	1,000 662 798 875 1,113	1,228 880 1,110 1,176 1,489	10 14 10 36 42	27 26 21 22 29
1945 1944 1943 1942 1941	18,112 11,780 10,986 5,570 7,603	16,226 9,799 9,024 4,309 6,240	744 464 485 220 310	1,842 1,981 1,962 1,261 1,363	2,691 3,122 3,839 2,666 2,530	45 10 5 (Z) 6	22 6 6 2 7	15,190 10,089 9,457 4,796 6,408	13,462 8,255 7,672 3,674 5,257	496 342 362 169 230	1,716 1,834 1,785 1,122 1,151	2,509 2,925 3,593 2,478 2,269	12 3 1 (Z) 4	11 3 2 1 4
1940 1939 1938 1937 1936 1935 ¹	9,726 13,347 13,927 23,709 27,283 19,115	8,404 11,426 12,338 21,010 23,621 15,376	372 467 542 837 956 662	1,314 1,921 1,589 2,699 3,661 3,739	2,081 2,590 2,310 3,429 4,652 4,723	8 5 8 42 25	5 5 11 35 23	8,223 11,488 12,306 20,769 23,323 16,138	7,166 9,970 11,016 18,468 20,387 13,338	283 366 424 614 702 499	1,053 1,518 1,290 2,301 2,937 2,800	1,760 2,121 1,932 2,967 3,791 3,505	4 2 3	2 3 6

Z Less than \$500,000.

¹ Stock and bond sales for New York Stock Exchange and New York Curb Exchange, January to March, exclude stopped sales; stock sales for these exchanges also exclude odd-lot sales.

Series X 531-535. Volume of Sales on New York Stock Exchange: 1900 to 1970

[Money figures in millions of dollars]

	Stocks		Bonds, 1	par value		:	Stocks		Bonds, p	ar value	
Year	(1,000,000 shares)	Total	Corporate	U.S. Government	State, municipal, foreign	Year	(1,000,000 shares)	Total	Corporate	U.S. Government	State, municipal, foreign
	531	532	533	534	535		531	532	533	534	535
970 969 968 967	2,937 2,851 2,932 2,530 1,899	4,495 3,646 3,814 3,956 3,093	4,473 3,614 3,767 3,901 3,035	(Z) (Z) (Z) (Z) (Z)	22 32 48 54 58	1935 1934 1933 1932 1931	382 324 655 425 577	3,339 3,726 3,369 2,967 3,051	2,287 2,239 2,099 1,642 1,846	674 885 501 570 296	87 60 76 75 90
965 964 963 962 961	1.237	2,975 2,524 1,483 1,455 1,636	2,912 2,459 1,375 1,361 1,566	(Z) (Z) (Z) (Z) (Z)	63 65 108 93 70	1930 1929 1928 1927 1926	810 1,125 920 577 451	2,764 2,982 2,903 3,269 2,987	1,927 2,182 1,967 2,142 2,004	116 142 188 290 262	72 65 74 83 72
960 959 958 957 956	747 560	1,346 1,586 1,382 1,082 1,069	1,271 1,517 1,314 1,031 1,013	(Z) (Z) (Z) (Z) (Z)	76 69 68 50 56	1925	454 282 236 259 173	3,384 3,804 2,790 4,370 3,324	2,332 2,345 1,568 1,905 1,043	391 877 796 1,873 1,957	66 58 42 59 32
955 954 953 952 951	573 355 338	1,046 980 776 773 824	962 856 683 693 730	(Z) (Z) (Z) (Z) (Z)	84 124 93 80 92	1920 1919 1918 1917 1916	227 817 144 186 233	3,977 3,809 2,063 1,057 1,150	827 622 356 471 845	2,861 2,901 1,436 286	28 28 27 30 30
950 949 948 947 946	271 295 254	1,112 818 1,014 1,076 1,364	1,008 725 925 970 1,265	(Z) 2 1 3 19	103 93 87 102 81	1915 1914 1913 1913 1912	173 48 83 131 127	961 462 502 675 890	907 427 471 648 795	3 1 2 1 3	2
945 944 943 942 941	263 279 126	2,262 2,695 3,255 2,311 2,112	2,148 2,585 3,130 2,181 1,929	8 6 4 7 20	106 104 120 124 163	1910 1909 1908 1907 1906	164 212 195 195 282		592	(Z)	4
940 939 1938 1937 1936	262 297 409	1,669 2,046 1,860 2,793 3,576	1,414 1,480 1,484 2,097 2,899	39 311 127 349 319	216 255 249 347 359	1905 1904 1903 1902 1901	261 187 159 187 265 139				

Z Less than \$500,000.

Series X 536-539. Net Assets, Sales, and Redemptions of Mutual Funds: 1940 to 1970 [In thousands of dollars]

				[227 0110000021					
Year	Number of funds	Net assets	Sales	Redemp- tions	Year	Number of funds	Net assets	Sales	Redemp- tions
	536	537	538	539		536	537	538	539
1970 1969 1968 1967	269 240	47,618,100 48,290,783 52,677,188 44,701,302 34,829,353	1,230,408 1,503,002 1,994,117 1,377,668 924,435	765,375 846,722 1,027,517 743,027 426,847	1954 1953 1952 1961 1961	110	6,109,390 4,146,061 3,931,407 3,129,629 2,530,563	270,594 160,368 214,401 194,039 135,372	98,709 56,835 49,255 62,150 82,766
1965	160 165	35,220,243 29,116,254 25,214,436 21,270,735 22,788,812	1,228,170 958,489 648,609 510,870 813,127	512,187 411,053 387,643 285,579 263,335	1949 1948 1947 1946 1946	87 80 74	1,973,547 1,505,762 1,409,165 1,311,108 1,284,185	125,850 75,284 67,276 82,929 92,671	40,650 34,384 28,295 31,958 29,692
1960 1959 1958 1957 1956 1955	155 151 143	17,025,684 15,817,962 13,242,388 8,714,143 9,046,431 7,837,524	481,318 541,087 482,429 331,580 342,606 290,417	192,556 171,650 174,773 95,759 90,661 92,501	1944	68 68 68	882,191 653,653 486,850 401,611 447,959	52,957 116,062 73,140 53,312	16,919 51,221 25,440 45,024

Series X 540-542. Federal Reserve Board Margin Requirements: 1934 to 1970

[Percent of market value. Prescribed by Board of Governors of Federal Reserve System in accordance with Securities Exchange Act of 1934]

	Regula	tion T			Regula	tion T	
Period	For extensions of credit by brokers and dealers on listed securities	For short sales	Regulation U, for loans by banks on stocks	Period	For extensions of credit by brokers and dealers on listed securities	For short sales	Regulation U, for loans by banks on stocks
	540	541	542		540	541	542
In effect—May 6, 1970	65 80 70 70 50	65 80 70 70 50	65 80 70 70 50	1955, Jan. 4–1953, Feb. 20 1953, Feb. 20–1951, Jan. 17 1951, Jan. 16–1949, Mar. 30 1949, Mar. 29–1947, Feb. 1 1947, Jan. 31–1946, Jan. 20	75 50	50 75 50 75 100	50 75 50 75 100
1962, July 9-1960, July 28 1960, July 27-1958, Oct. 16 1958, Oct. 15-1958, Aug. 5. 1958, Aug. 4-1958, Jan. 16 1958, Jan. 15-1955, Apr. 23 1. 1955, Apr. 22-1955, Jan. 4 1.	90 70 50 70	70 90 70 50 70 60	70 90 70 50 70 60	1946, Jan. 19–1945, July 5 1945, July 4–1945, Feb. 5 1945, Feb. 4–1937, Nov. 1 1937, Oct. 31–1936, Apr. 1 1936, Mar. 31–1936, Feb. 1 1936, Jan. 31–1934, Oct. 1	50	75 50 50 (3) (3) (3)	75 50 40 55

 $^{^1}$ Effective after close of business. 2 Effective May 1, 1936. 3 Requirement prior to Nov. 1, 1937, was margin "customarily required" by broker.

Series X 543-546. Stock Market Credit: 1931 to 1970

[In millions of dollars. As of end of year]

	of New 1	ances of me York Stock l	Exchange	Customer credit		of New Y	ances of me York Stock I ng margin ac	Exchange	Customer credit		of New Y	lances of me York Stock I ng margin ac	Exchange	Customer
Year	Custom- ers' net debit balances 1	Money bor- rowed ²	Custom- ers' net free credit balances	in stock market ³	Year	Custom- ers' net debit balances ¹	Money bor- rowed ²	Custom- ers' net free credit balances	in stock market ³	Year	Custom- ers' net debit balances ¹	Money bor- rowed ²	Custom- ers' net free credit balances	in stock market ³
	543	544	545	546		543	544	545	546		543	544	545	546
1970 1969 1968	7,273 9.705		\$ 2,286 2,803 3,717	(4) 9,852 12,415	1957 1956	2,482 2,823	1,706 2,132	896 880	3,576 3,984	1943 1942 1941	789 543 600	567 380 363	354 270 289	1,367 925 1,022
1967 1966	7,883 5,329	3,472	2,763 1,637	10,347 7,443	1955 1954 1953	2,791 2,388 1,665	2,246 1,529 1,074	894 1,019 713	4,030 3,436 2,445	1940 1939	677 906	427 637	281 266	1,142 1,412
1965 1964 1968	5,079 5,515	3,576 3,910 4,449	1,666 1,169 1,210	7,705 7,053 7,242	1952 1951	1,332 1,253	877 659	727 822	1,980 1,826	1938 1937 1936	991 985 1,395	754 688 1,048	247 278 342	1,412 1,551
1962 1961	4,125 4,259	2,785 2,954	1,216 1,219	5,494 5,602	1950 1949 1948	1,237 821 499	617 454 210	890 636 586	1,798 1,249 968	1985 1984	1,258 1,170	930	286 170	
1960 1959 1958	3,222 3,280 3,285	2,133 2,362 2,071	1,135 996 1,159	4,415 4,461 4,537	1947 1946	517 473	199 163	612 704	1,032 976	1933 1932 1931	1.270		220 230 260	
	,			2,55	1945 1944	942 1,041	517 768	652 472	1,374 1,394					

¹ Excludes balances with reporting firms of other member firms of major security exchanges and balances of the reporting firms and of general partners of the reporting firms. Figures for November 1931 to August 1935, inclusive, are estimates based on data made available through the courtesy of New York Stock Exchange; such estimates are available only for "Customers' debit balances" and for "Customers' free credit balances."

 $^{^4\,\}rm Exact$ requirement on each security determined by relation of its current price to its lowest price since July 1, 1933.

Includes money borrowed from banks and trust companies in New York City and elsewhere in U.S. and also money borrowed from other lenders (not including members of national securities exchanges). Prior to September 1935, figures reported on a different basis.
 For an explanation of this series, see text.
 Series discontinued June 1970.
 Data not comparable with prior years because of change in series.

INTEREST RATES AND SECURITY MARKETS

Series X 547-550. Brokers' Loans, by Groups of Lenders: 1918 to 1938

[In millions of dollars. As of end of year]

			Loans by—	-				Loans by—					Loans by—	
Year	Total	New York City banks	Outside banks	Others	Year	Total	New York City banks	Outside banks	Others	Year	Total	New York City banks	Outside banks	Others
	547	548	549	550		547	548	549	550		547	548	549	550
1938 1937 1936 1935 1934 1933 1932	770 1,185 1,080 905	715 705 1,095 1,020 660 705 335	15 35 50 30 180 135 20	40 30 40 30 65 75 75	1931 1930 1929 1928 1927 1926	715 2,105 4,110 6,440 4,430 3,290 3,550	540 1,280 1,200 1,640 1,550 1,160	35 215 460 915 1,050 830	140 610 2,450 3,885 1,830 1,300	1924 1923 1922 1921 1921 1919 1918	2,230 1,580 1,860 1,190 1,080 1,610 1,000	1,150 720 945 545 390 715 575	530 410 410 265 285 420 145	550 450 505 380 405 475 280

Series X 551-560. Short- and Intermediate-Term Consumer Credit, by Major Types: 1919 to 1970 [In millions of dollars. Estimated credit outstanding as of end of year]

			Installm	ent credit out	standing		No	ninstallment c	edit outstandi	ng
Year	Total credit outstanding	Total	Automobile paper	Other consumer goods paper	Repair and modern- ization loans	Personal loans	Total	Single- payment loans	Charge accounts	Service credit
	551	552	553	554	555	556	557	558	559	560
1970	126,802	101,161	35,490	29,949	4,110	31,612	25,641	9,484	8,850	7,307
	122,469	98,169	36,602	27,609	4,040	29,918	24,300	9,096	8,234	6,970
	113,191	89,890	34,130	24,899	3,925	26,936	23,301	9,138	7,755	6,408
	102,132	80,926	30,724	22,395	3,789	24,018	21,206	8,428	6,968	5,810
	97,543	77,539	30,556	20,978	3,818	22,187	20,004	7,972	6,686	5,346
1965	90,314	71,324	28,619	18,565	3,728	20,412	18,990	7,671	6,430	4,889
1964	80,268	62,692	24,934	16,333	3,577	17,848	17,576	6,874	6,195	4,507
1963	71,739	55,486	22,254	14,177	3,437	15,618	16,253	6,101	5,903	4,249
1962	63,821	48,720	19,381	12,627	3,298	13,414	15,101	5,456	5,684	3,961
1961	57,982	43,891	17,135	11,862	3,221	11,673	14,091	5,136	5,324	3,631
1960	56,141	42,968	17,658	11,545	3,148	10,617	13,173	4,507	5,329	3,337
	51,544	39,247	16,420	10,631	2,809	9,386	12,297	4,129	5,104	3,064
	45,129	33,642	14,152	9,028	2,346	8,116	11,487	3,627	5,060	2,800
	44,971	33,868	15,340	8,844	2,101	7,582	11,103	3,364	5,146	2,593
	42,334	31,720	14,420	8,606	1,905	6,789	10,614	3,253	4,995	2,366
1955		28,906	13,460	7,641	1,693	6,112	9,924	3,002	4,795	2,127
1954		23,568	9,809	6,751	1,616	5,392	8,896	2,408	4,485	2,003
1958		23,005	9,835	6,779	1,610	4,781	8,388	2,187	4,274	1,927
1952		19,403	7,733	6,174	1,385	4,111	8,117	2,120	4,130	1,867
1951		15,294	5,972	4,880	1,085	3,357	7,418	1,934	3,700	1,784
1950		14,703 11,590 8,996 6,695 4,172	6,074 4,555 3,018 1,924 981	4,799 3,706 2,901 2,143 1,290	1,016 898 853 718 405	2,814 2,431 2,224 1,910 1,496	6,768 5,774 5,451 4,903 4,212	1,821 1,532 1,445 1,356 1,122	3,367 2,854 2,722 2,381 2,076	1,580 1,388 1,284 1,166 1,014
1945	5,665	2,462	455	816	182	1,009	3,203	746	1,612	845
1944	5,111	2,176	397	791	119	869	2,935	624	1,517	794
1943	4,901	2,136	355	819	130	832	2,765	613	1,440	712
1942	5,983	3,166	742	1,195	255	974	2,817	713	1,444	660
1941	9,172	6,085	2,458	1,929	376	1,322	3,087	845	1,645	597
1940	6,375	5,514	2,071	1,827	371	1,245	2,824	800	1,471	553
1939		4,503	1,497	1,620	298	1,088	2,719	787	1,414	518
1938		3,686	1,099	1,442	218	927	2,684	773	1,403	508
1937		4,118	1,494	1,505	219	900	2,830	792	1,504	534
1936		3,747	1,372	1,290	364	721	2,628	698	1,428	502
1935	5,190	2,817	992	1,000	253	572	2,373	561	1,354	458
1934	4,218	1,999	614	889	37	459	2,219	473	1,306	440
1933	3,885	1,723	493	799	15	416	2,162	418	1,286	458
1932	4,026	1,672	356	834	18	464	2,354	505	1,374	475
1931	5,315	2,463	684	1,214	22	543	2,852	712	1,635	505
1930		3,022	986	1,432	25	579	3,329	955	1,833	541
1929		3,524	1,384	1,544	27	569	3,592	1,040	1,996	556
1928		2,935	1,134	1,331	28	442	3,323	928	1,901	494
1927		2,319	765	1,183	26	345	3,025	812	1,765	448
1926		2,363	977	1,083	24	279	2,864	745	1,701	418
1925	4,715	2,115	914	951	22	228	2,600	671	1,549	380
1924	4,025	1,646	670	779	16	181	2,379	561	1,482	336
1923	3,652	1,368	526	684	12	146	2,284	512	1,456	316
1922	3,166	1,047	295	619	10	123	2,119	430	1,391	298
1921	2,966	919	317	484	9	109	2,047	404	1,358	285
1920 1919	2,964	969 800	376 304	490 409	7 5	96 82	1,995 1,842	354 306	1,379 1,298	262 238

Banking (Series X 561-820)

X 561-820. General note.

For general statistical purposes it may be said that a bank is a financial institution which accepts money from the general public for deposit in a common fund, subject to withdrawal or transfer by check on demand or on short notice, and makes loans to the general public. The historical series on assets and liabilities of banks reflect these activities and are the basic series on banking. Series X 561-619 and X 634-688 on principal assets and liabilities of banks and on number and total assets by class of bank cover all banks and all commercial banks. Series X 620-633 and X 689-697 provide information on selected aspects of banking: Insured banks, branch banking, suspension of banks, earnings and expenses, bank debits and clearings, savings deposits, and Federal Reserve banks.

Collection and publication of banking and monetary statistics in the United States have been conditioned by the development of the banking and monetary system. Banks in this country have been in part under the jurisdiction of State governments and in part under the Federal Government. At the same time some banks operated before 1933 outside the jurisdiction of both governments, while other banks operated within the jurisdiction of both.

Supervision and regulation of banks have been a primary responsibility of the chartering authority. National banks, organized under Federal law enacted in 1863, are supervised by the Comptroller of the Currency, and State banks, by officials of the respective States.

Two other Federal entities with additional supervisory authority have been superimposed upon the existing banking structure: The Federal Reserve System, established in 1914 to exercise central banking functions, and the Federal Deposit Insurance Corporation, created in 1933 to insure bank deposits. The Federal Reserve System includes all national banks and such State banks as voluntarily join the System. Insurance of bank deposits was made obligatory for banks belonging to the Federal Reserve System and optional for others.

All the supervisory agencies have published some statistics for the banks under their jurisdiction, but there was no centralized collection of statistics for all classes of banks on a uniform basis until 1947. Prior to the National Banking Act of 1863, the only official collection of banking figures for the entire country was made by the Treasury Department under authority of a resolution of the House of Representatives passed in 1832. For 1833–1863, reporting by banks to the Secretary of the Treasury was voluntary. With the exception of some years, the Secretary of the Treasury included in his reports to Congress information regarding the number of State banks which reported to him. For 1863–1873, statistics of national banks only were published in the Annual Report of the Comptroller of the Currency.

The need for complete reporting was recognized in the act of 1873, which authorized the Comptroller to obtain balance-sheet data for nonnational banks from State banking authorities, Territorial authorities, or individual incorporated banks. Although coverage was improved, the data obtained were neither uniform nor complete because the various State and Territorial authorities did not request the same information from banks and some States had no department to collect the information. Moreover, in some States many so-called private or unincorporated banks operated outside the jurisdiction of State authority. The Comptroller annually requested that these banks report directly to him, but this procedure met with only limited success.

In spite of the difficulties of collecting statistics for all banks, the coverage and uniformity of the data became progressively better. This improvement came about principally because of greater uni-

formity in classification of balance-sheet information requested of banks, and because of the creation of banking departments in States that formerly had none, as well as more adequate collection and tabulation of data.

Efforts to promote uniformity in bank statistics culminated in 1938 when representatives of all Federal supervisory agencies worked out a standardized balance-sheet report form. This form was approved by the National Association of State Bank Supervisors and was adopted by the three Federal banking agencies and by many of the State banking departments. Nearly all States now use a form that is substantially consistent with the standard one.

In 1947, the Comptroller of the Currency, the Board of Governors of the Federal Reserve System, and the Federal Deposit Insurance Corporation, which compiled somewhat different balance-sheet data for all banks, worked out an arrangement for the Federal Deposit Insurance Corporation to compile semiannually a uniform series of statistics for all banking institutions.

To provide more adequate historical banking statistics comparable to those available beginning in 1947, the Board of Governors of the Federal Reserve System—with the cooperation of the Comptroller of the Currency, the Federal Deposit Insurance Corporation, and the State bank supervisory authorities—compiled a revised series for all banks in conterminous United States as of June 30 of each year, 1896–1955. These data were published in 1959 in Board of Governors of the Federal Reserve System, All-Bank Statistics, United States, 1896–1955. The series cover number of banks and principal assets and liabilities for major classes of banks. The publication also includes similar data for individual States, and for the U.S. outlying areas, which are not included in U.S. totals. Revisions in the earlier data affect primarily the nonnational components, and are largest for figures before 1920.

Compilation of the revised series for national banks presented no major problems. Since 1864, the Comptroller of the Currency has collected condition reports from 3 to 6 times annually from national banks, and has tabulated and published summaries of these reports showing principal assets and liabilities. National bank balance-sheet data were published in detail in Abstract of Reports of Condition of National Banks (usually 3 or 4 times a year) through 1962. Assets and liabilities and income and expense data are published in summary form in the Annual Report.

Compilation of revised statistics for nonnational banks beginning in 1896 required extensive research into all types of available banking statistics. The main sources of information, other than the records of several large private banks, were the annual reports and statistical publications and records of the Comptroller of the Currency, the Bureau of Internal Revenue, the Board of Governors of the Federal Reserve System, the Federal Deposit Insurance Corporation, and State banking departments, as well as compilations published in bankers' directories. Unofficial compilations of figures for banks in several States were also used.

Under the arrangements made for all-bank data beginning with 1947, the 1947–1955 data in Board of Governors of the Federal Reserve System, All-Bank Statistics, United States, 1896–1955, were based on compilations of the Federal Deposit Insurance Corporation, except that data for "other areas," that is, the U.S. outlying areas, were included in U.S. totals.

A financial institution is considered a bank in the revised all-bank series if it accepts deposits from the general public or if it conducts principally a fiduciary business. This is the definition used by the Comptroller of the Currency, the Federal Deposit Insurance Corpora-

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tion, and the Board of Governors of the Federal Reserve System in the all-bank statistics published beginning with 1947. For complete description of the types of institutions included and of those excluded, see Federal Deposit Insurance Corporation, *Annual Report*, 1956, pp. 88-89.

In 1969, the format and contents of the uniform quarterly Report of Condition and the annual Report of Income, adopted in 1947 by Federal bank supervisory agencies and used by banks in the United States, were substantially revised to provide a better measure of bank performance for the supervisory authorities and the public. Changes in these two reports were effected following extensive discussions among representatives of the Federal and State bank supervisory authorities and the banking industry. For a description of these changes, see the Federal Reserve Bulletin, August 1969, pages 642 ff. (Report of Condition) and the July 1970 issue of the Bulletin, pages 571–2 (Report of Income).

Beginning June 30, 1969, the three Federal bank supervisory agencies have issued jointly—as of the end of June and December of each year—aggregate data showing the major call report items for all banks in the United States grouped by class, size, and geographic location. This combined report entitled Assets and Liabilities—Commercial and Mutual Savings Banks replaces the summary reports of condition formerly issued separately by each of the Federal bank supervisory agencies. The Federal Deposit Insurance Corporation has compiled, beginning in 1969, comprehensive income and end-of-year balance-sheet information for all insured commercial banks grouped by class, size, and geographic location in a report entitled Bank Operating Statistics.

X 561-688. General note.

Assets and liabilities are defined here in their usual accounting meaning. Assets are the resources of banks, such as loans, investments, reserves, cash, and balances with other banks; liabilities are the obligations of banks, such as demand and time deposits and capital accounts. The data presented in series X 580-619, X 634-677, and X 683-688, prior to 1956, are for conterminous United States; thereafter, they include Alaska, Hawaii, and U.S. outlying areas.

X 561-565. State banks—number of banks and assets and liabilities, 1811-1830.

Source: Writings of Albert Gallatin, edited by Henry Adams, J. B. Lippincott and Company, Philadelphia, 1879, vol. III, pp. 286, 291, and 296.

These are believed to be the most consistent series for the period before 1834. The figures are reprinted in Comptroller of the Currency, Annual Report, 1876, p. xl, which also contains estimates derived from an unofficial source of the number of banks, specie holdings, banknote circulation, and capital of banks in the United States for selected years, 1774–1804, and some discussion of early banking statistics. Figures in the Comptroller's report for 1876, together with some additional banking data for the period prior to 1834, are included in Comptroller of the Currency, Annual Report, 1920, vol. 2, p. 846.

X 566-579. Second Bank of the United States—resources, liabilities, and profits, 1817-1840.

Source: Series X 566-577, U.S. Comptroller of the Currency, Annual Report, 1876, app. p. lxxxiii (except series X 577 for 1818-1837, Annual Report, 1916, p. 912); series X 578-579, Ralph C. H. Catterall, The Second Bank of the United States, University of Chicago Press, Chicago, 1903, p. 504.

The Second Bank was chartered by Congress in 1816 for 20 years. Renewal of the charter was denied and reorganization of the bank was effected by the Legislature of the State of Pennsylvania. The bank failed in 1841 and was finally liquidated in 1856. See headnote, table 94, p. 912, Comptroller of the Currency, Annual Report, 1916, vol. II; that page also shows assets and liabilities of the First Bank

of the United States in 1809 and 1811, the only two years for which data appear to be available.

X 580-587. All banks—number of banks and principal assets and liabilities, 1834-1970.

Source: 1834-1896, U.S. Comptroller of the Currency, Annual Report, 1931, pp. 1018-1025; 1896-1955, Board of Governors of the Federal Reserve System, All-Bank Statistics, United States, 1896-1955, pt. I, pp. 30-33; 1956-1970, U.S. Federal Deposit Insurance Corporation, Annual Report, various issues.

These series represent a combination of data on two different bases: For 1896–1970, on the revised all-bank series basis and for 1834–1896, on the basis published in annual reports of the Comptroller of the Currency, which is known to provide incomplete coverage, especially of nonnational banks.

The historical tables in the 1931 Annual Report of the Comptroller of the Currency provide summary statistics by single years beginning in 1834 for (a) all reporting banks, (b) national banks (beginning in 1863), and (c) all reporting State and private banks (that is, non-national banks). For nonnational bank data prior to 1873 the sources are as follows: For 1834–1840, Executive Document No. 111, 26th Congress, 2d session; for 1841–1850, Executive Document No. 68, 31st Congress, 1st session. For 1851–1863 (except 1852–1853), figures are from the report on the condition of banks for 1863. Those for 1853 are from Executive Document No. 66, 32d Congress, 2d session, and are incomplete. For 1852, the figures are estimates based on number of banks in 5 years, 1847–1851, and on assets and liabilities in 10 years, 1854–1863. For 1864–1872, all figures except number of banks and capital accounts are estimates based on data for the previous 10 years, 1854–1863.

Prior to 1896, figures shown here include all national banks and all State banks that voluntarily reported to State banking departments in the United States including mutual and stock savings banks, loan and trust companies, and private banks. A few banks in U.S. outlying areas are included. Data for nonnational banks for the earlier years are reported for dates other than June 30 and are known to be incomplete; many of the items have been estimated, as noted above. Where more reliable estimates prior to 1896 are available, they are included in alternate series X 678-682.

Beginning in 1896, more comprehensive data for nonnational banks than those included in the Comptroller's annual reports are available in All-Bank Statistics, 1896–1955, cited above. More detailed data than are shown here, by States and by class of banks, are available in this source, together with a description of the composition of the balance-sheet items, the methods by which the figures were compiled, and the classification of banks used.

Beginning in 1896, the figures include national banks and chartered or incorporated State banks, loan and trust companies, stock savings banks, and mutual savings banks. In conformity with the definition of a bank adopted in 1947, they also include unincorporated financial institutions which meet the definition of "bank"; cooperative exchanges in Arkansas which receive deposits; cash depositories in South Carolina; and Morris Plan and industrial banks (unless engaged merely in making loans and investments). In 1933 and 1934 only licensed banks, that is, those operating on an unrestricted basis, are included.

X 583, investments. For the national bank component, 1863–1865, total investments exclude securities other than those of the U.S. Government, which are included in "other assets" in the source. Total investments include all direct U.S. Government obligations and, since 1933, those fully guaranteed as to interest and principal by the U.S. Government; obligations of States and political subdivisions such as securities issued by States, counties, and municipalities, by school, irrigation, drainage, and reclamation districts, and by local housing authorities; and other securities, which comprise primarily obligations of domestic corporations, those of Government agencies not guaranteed by the United States, and foreign securities.

X 585, deposits. Total deposits for national banks for 1863–1865 include State banknotes in circulation and for 1866–1868, bills payable and rediscounts. Beginning 1942, deposit figures exclude reciprocal balances.

X 586, banknotes. Prior to 1864, figures represent State banknotes only; beginning 1896, national banknotes only. In 1865, a prohibitive tax was imposed on State banknotes and as a result only a few such notes were in circulation thereafter. Data for 1870–1910 exclude comparatively small amounts of State banknotes outstanding for which national banks, converted from State banks or merged with State banks, assumed liability.

X 587, capital accounts. Capital accounts include capital, surplus, net undivided profits, reserves for contingencies, and certain other reserve accounts. Capital is here used to designate primarily the original contribution of bank owners to the bank and is ordinarily evidenced by bank stock certificates. Surplus is ordinarily the amount of bank earnings specifically set aside as capital funds. Net undivided profits are earnings not yet set aside for dividends or allocated to surplus. In addition to reserves for contingencies, capital accounts include reserves for undeclared dividends and for accrued interest on capital notes and debentures as well as reserves for retirement of preferred stock or capital notes and debentures. Valuation reserves set up in connection with prospective but undetermined losses on loans, securities, and other assets are not included but are deducted from these assets. Prior to 1873, figures for nonnational banks include capital only; beginning 1933, the figures include preferred stock and capital notes and debentures.

X 588-619. General note.

The following quotation concerning the role of commercial banks in the economy is taken from Board of Governors of the Federal Reserve System, *Banking Studies*, 1941, p. 169:

Commercial banks are part of the economic organization of the nation. They operate as business concerns and earn a living by rendering services to the public. By lending and investing money, they assist productive processes; by providing checking account services they facilitate and expedite the settlement of financial obligations. There are numerous other banking services, but most of them are related to the primary banking functions of making loans and investments and handling deposits. All these services and operations have to do with money, which may be viewed as the stock in trade of banks.

For further comment on commercial banks and the reason for their separate classification, see text for series X 683-688. See also text for series X 580-587 and general note for series X 561-820. The data presented in series X 588-619, prior to 1956, are for conterminous United States; thereafter, they include Alaska, Hawaii, and U.S. outlying areas.

X 588-609. All commercial banks—number of banks and principal assets and liabilities, 1896-1970.

Source: 1896-1955, see source for series X 580-587, pt. I, pp. 34-37; 1956-1970, see source for series X 580-587.

X 610-619. All commercial banks—number of banks and total assets, by Federal Reserve membership and class, 1896-1970.

Source: Series X 610-611, X 612-615, (1969-1970), and X 616-617, see source for series X 580-587; series X 612-615, (1956-1968), U.S. Federal Deposit Insurance Corporation, Assets and Liabilities—Commercial and Mutual Savings Banks, semiannual issues; series X 612-613, prior to 1956, Board of Governors of the Federal Reserve System, Member Bank Call Report, various issues (with adjustments to bring these data into conformity with the revised all-bank series); series X 614-615, prior to 1956, derived by deducting from the totals for all commercial banks (series X 588-589) the figures

for all member banks (series X 610-613); series X 618-619, are all commercial banks (series X 588-589) less national banks (series X 634-635).

State member commercial banks are those banks chartered by the various States which have voluntarily requested membership in the Federal Reserve System and met the necessary requirements. Nonmember commercial banks are all other State-chartered banks (other than mutual savings banks). See general note for series X 561-820 and text for series X 580-587 and series X 683-688.

X 620-633. All banks—number of banks and total assets, by deposit insurance status and class, 1934-1970.

Source: 1934-1955, Board of Governors of the Federal Reserve System, unpublished data (compiled in connection with All-Bank Statistics, United States, 1896-1955); 1956-1970, U.S. Federal Deposit Insurance Corporation, Annual Reports and Report of Call: Assets, Liabilities, and Capital Accounts—Commercial and Mutual Savings Banks, June issues, and unpublished data.

See general note for series X 561-820 and text for series X 580-587. The Federal Deposit Insurance Corporation was created in June 1933 to pay depositors of failed banks the amount of their insured deposits. All national banks and all other member banks of the Federal Reserve System are required by law to be members of the Federal Deposit Insurance Corporation. Banks that are not members of the Federal Reserve System may be admitted to Federal deposit insurance upon meeting certain prescribed conditions.

Detailed statistics on assets and liabilities and earnings, expenses, and dividends of insured banks by class are available in Federal Deposit Insurance Corporation, *Annual Report*.

X 634-655. National banks—number of banks and principal assets and liabilities. 1863-1970.

Source: See source for series X 580-587.

See also general note for series X 561-820.

National banks are those chartered by the Federal Government and are under the general supervision of the Comptroller of the Currency.

X 656-677. Nonnational banks—number of banks and principal assets and liabilities, 1863-1970.

Source: See source for series X 580-587.

Nonnational banks comprised all banks prior to 1863 (see general note for series X 561-820). These banks include State commercial banks, mutual and stock savings banks, private banks, loan and trust companies, and other institutions enumerated in the text for series X 580-587. For comment on incompleteness of nonnational bank data prior to 1896, see text for series X 580-587.

X 678-682. Nonnational banks—number of banks and selected assets and liabilities, alternate series, 1865-1896.

Source: Series X 678-679, David I. Fand, Banks in the Post-Civil War Period in the United States, 1875-1896, unpublished doctoral dissertation on file at University of Chicago. Series X 680-682, 1875-1882, U.S. Comptroller of the Currency, Annual Report, 1885, pp. clxix-clxxiii (discussion of figures, p. lxviii). Series X 682, 1865-1866, U.S. Federal Deposit Insurance Corporation, Annual Report, 1934, pp. 103, 112-113; 1867-1876, James K. Kindahl, Estimates of Nonnational Bank Deposits for the United States, 1867-1875, unpublished doctoral dissertation on file at University of Chicago, 1954, and Federal Deposit Insurance Corporation, Annual Report, 1934, pp. 112-113.

Data for all nonnational banks were compiled from tax returns submitted by banks during this period.

X 678-679, adjusted deposits and vault cash. Adjusted deposits as used here are total deposits (with original source figures adjusted

BANKING X 683-715

for nonreporting banks and for underreporting by banks) less cash items in process of collection. Data are as of August, 1875–1881, and June, 1882–1896. In the source volume, figures for nonnational commercial banks are shown separately from mutual savings banks.

Figures for capital accounts and total deposits (series X 681-682) are based on information included on semiannual tax returns and are monthly averages for 6 months ending May 31, 1876-1882, and for 6 months ending November 30, 1875.

The figures shown for total deposits (series X 682) for 1865–1876 are the sum of separate estimates for deposits of nonnational commercial banks and mutual savings banks. The methods of estimation are described in the sources cited above. The original source figures for commercial banks were adjusted for nonreporting banks but not for underreporting by banks.

X 683-688. Nonnational banks—number of banks and total assets, by class, 1875-1970.

Source: 1875–1896, U.S. Comptroller of the Currency, *Annual Report*, various issues; 1896–1955, see source for series X 580–587, pts. I and II; 1956–1970, see source for series X 580–587.

These series are a breakdown of number and total assets of nonnational banks shown in series X 656-657.

See also sources and text for series X 580-587.

State commercial banks are all banks other than national and mutual savings banks. The classification of banks as "commercial" is based on function or type of deposit business. Commercial banks include the holding of checking accounts and other deposits subject to withdrawal on demand, and the making of short-term self-liquidating loans to commerce, agriculture, and industry. Mutual savings banks, on the other hand, carry only sayings and other time deposits (with some unimportant exceptions) and they invest their funds mostly in mortgage loans and securities. While the distinction between mutual savings and commercial banks is not strictly functional, since the great majority of commercial banks also carry varying proportions of savings and time deposits, it serves to segregate from banks holding demand deposits the group of banks that hold a large amount of deposits which represent principally savings. See series X 588-609 for balance-sheet data for all commercial banks, that is, national and State commercial banks combined.

Private banks are unincorporated institutions that operate ordinarily without a charter from either State or Federal Government. The number and relative importance of these banks has declined over the past half century.

The differences for 1896 in the data compiled by the Federal Reserve Board and by the Comptroller of the Currency indicate the incompleteness of early compilations of banking data, particularly in the case of private banks. Balance-sheet data are available in the Comptroller's annual reports for those banks submitting information to that agency. For separate figures for number and deposits of mutual savings banks, 1865–1896, see Federal Deposit Insurance Corporation, Annual Report, 1934, pp. 112–113.

In the source volume for 1896–1955, principal assets and liabilities are available separately for State commercial and mutual savings banks, by States, and for private banks in 18 States; in the remaining States, private banks were not segregated from other banks.

X 689-697. Savings and other time deposits, by type of institution, 1820-1970.

Source: Series X 689, sum of series X 690-694. Series X 690-691, National Bureau of Economic Research, unpublished data; see text for series X 418-419. Series X 692, U.S. National Credit Union Administration, 1970 Annual Report of the Administrator and 1970 State-Chartered Credit Union Annual Report. Series X 693, U.S. Post Office Department, Annual Report of the Postmaster General, 1957 and 1969. Series X 694, Board of Governors of the Federal Reserve System, 1892-1941, Banking and Monetary Statistics, pp. 34-35; 1942-1947, Federal Reserve Bulletin, January 1949, p. 41;

1948-1970, Federal Reserve Bulletin, September issues. Series X 695-696, U.S. Bureau of the Census, Statistical Abstract of the United States, 1946, p. 404. Data furnished by the American Bankers Association. Series X 697, U.S. Comptroller of the Currency, 1820-1896, Annual Report, 1896, vol. I, p. 720; 1897-1910, Annual Report, 1920, vol. I, p. 241.

See general note for series X 561-820.

X 690, mutual savings bank deposits. For definition of mutual savings banks, see text for series X 683-688. See also text for series X 821-833.

X 691, savings and loan association deposits. For definition of savings and loan associations, see text for series X 834-844. Mutually-owned associations accept deposits in the form of share capital; these are legally considered shares in the association and holders of shares are owners rather than creditors, as are depositors in banks. Other types of associations are those having some form of permanent stock ownership.

X 692, credit union deposits. A credit union is a cooperative non-profit organization of individuals with a common bond of occupation, association, or residence. Its objectives are to promote thrift among its members and to provide them with a source of credit at reasonable rates of interest. Credit unions may be incorporated under Federal law or, currently (1970), under any of 44 State laws. Deposits include the purchase of shares, share certificates, or share deposit accounts in the credit union.

X 693, postal savings system deposits. The figures represent the balance to credit of depositors, including items shown on the balance sheets as unclaimed. They include both amounts redeposited in banks and amounts not so redeposited; they exclude amounts in banks in U.S. outlying areas. The Postal Savings System was discontinued as of April 27, 1966, and the accounts were eliminated after June 30, 1967.

X 694, commercial bank deposits. For definition of commercial banks, see general note for series X 561-820 and especially text for series X 588-609 and X 683-688. Deposit figures have been adjusted to exclude interbank deposits, which do not represent money available to the public, and items in process of collection, inclusion of which would represent a double counting of deposits. They exclude U.S. Treasurer's time deposits, open account, beginning 1939, and postal savings redeposited in banks. Beginning 1941, they exclude 3 member mutual savings banks.

X 695-696, national bank and State bank deposits. These data were originally furnished by the American Bankers Association, which discontinued this series after 1942. Savings and other time deposits include deposits evidenced by savings passbooks, time certificates of deposit payable in 30 days or over, time deposits (open account), postal savings redeposited in banks, and for some States, Christmas savings and similar accounts.

Series X 696 includes commercial, stock savings, and private banks and trust companies. Data shown for some of the years for these banks are incomplete for some States or have been estimated for others. Figures exclude 6 States in 1926 and 1927, 4 in 1928–1930, 3 in 1931, 2 in 1932 and 1933, and 1 in 1934–1937.

X 697, savings bank deposits. Data cover mutual and stock savings banks only.

X 698-715. General note.

Deposits in commercial banks are the major portion of the current means of payment. The extent to which such deposits are used is measured by statistics of bank debits. In conjunction with deposit figures, debits figures are a means of determining the rate of turnover of deposits in commercial banks. While these two measurements throw light upon current economic developments, the data must be used with care to measure changes in business conditions. Since factors not related to business activity may affect debits and deposits, these data reflect changes in general business conditions only in a broad way.

X 698-705. Bank debits and deposit turnover, 1943-1970.

Source: Board of Governors of the Federal Reserve System. 1943-1964, Supplement to Banking and Monetary Statistics, Section 5, "Bank Debits"; 1964 (revised)-1970, Federal Reserve Bulletin, (monthly data; annual averages from Federal Reserve Board).

Beginning with March 1953, the Board of Governors of the Federal Reserve System has published revised monthly bank debits series comprising only debits to demand deposit accounts of individuals, partnerships, and corporations, and of States and political subdivisions. Series X 698-701, which classify reporting centers into 3 groups—New York City, 6 other leading centers, and 338 other centers—provide a better measure of the activity of checking accounts than the discontinued series presented in X 706-709, which include debits to deposit accounts of the U.S. Government and to time deposits.

The turnover of demand deposits, series X 702-705, computed by dividing debits during a period (and converted to an annual rate) by average deposits against which the debits are made, indicates the number of times a deposit dollar is used during the period.

Monthly data on debits and annual turnover for the period beginning in 1943 are available in the *Federal Reserve Bulletin*, including a seasonally adjusted series for turnover.

X 706-709. Bank debits to deposit accounts, except interbank accounts, at reporting centers, 1919-1952.

Source: Board of Governors of the Federal Reserve System, 1919-1941, Banking and Monetary Statistics, pp. 234-237; 1942-1952, Federal Reserve Bulletin, June 1946, p. 630; June 1951, p. 665; and June 1953, p. 612.

Data for individual reporting centers, by months, for 1919–1941, are available in *Banking and Monetary Statistics*; for 1942–1952, they are available upon request from the Board of Governors of the Federal Reserve System.

Figures represent debits or charges on books of reporting member and nonmember commercial banks to deposit accounts of individuals, partnerships, and corporations, the U.S. Government, and State, county, and municipal governments, including debits to time and savings accounts, payments from trust funds on deposit in the banking department, and payments of certificates of deposit. Debits to accounts of other banks or in settlement of clearinghouse balances, payment of certified and officers' checks, charges to expense and miscellaneous accounts, corrections, and similar charges are not included. For a more detailed description of the data, see Banking and Monetary Statistics, pp. 230–233, and George Garvy, Development of Bank Debits and Clearings and Their Use in Economic Analysis, published in 1952 by the Board of Governors of the Federal Reserve System, especially chap. III, pp. 27–48.

Satisfactory figures are available for New York City and 140 other reporting centers, but the number of other reporting centers, and consequently the total number of all reporting centers, increased substantially for 1919–1952. (For details, see Banking and Monetary Statistics, p. 231, and Federal Reserve Bulletin, May 1952, p. 514.)

For revised data back to 1943, see series X 698-705.

X 710-715. Bank debits and deposit turnover, all commercial banks, 1919-1941.

Source: See first source cited for series X 706-709, p. 254.

For definition of debits, see text for series X 706-709; for definition of deposit turnover, see text for series X 698-705. Figures shown here are in part estimated; for a description of these series, see source, p. 232.

X 716-724. Number of banking offices, by deposit insurance status, 1900-1970.

Source: 1900-1941, Board of Governors of the Federal Reserve System, Monetary Policy and the Management of the Public Debt, Joint Committee on the Economic Report, 82d Congress, 2d session, pt. I, p. 553; 1942-1970, U.S. Federal Deposit Insurance Corporation, *Annual Report*, various issues.

Additional statistics on the number of banking offices are included in Board of Governors of the Federal Reserve System, Federal Reserve Bulletin and Annual Report, and in Federal Deposit Insurance Corporation, Annual Report. The figures for 1900–1932 comprise national and all State-chartered banks except (a) mutual savings banks (data for which are not available until 1933) and (b) unincorporated or private banks not reporting to State banking authorities, other than certain large private banks which began to report to State banking authorities in 1934 and for which data are extended back to 1928. Separate data for State member banks are not available until 1933 (see text for series X 731–740). Beginning in 1942, the figures include banking facilities at military and other Government establishments; see series X 740. See also text for series X 580–587, X 620–633, and X 731–740.

X 725-730. Bank deposits insured by the Federal Deposit Insurance Corporation and the Deposit Insurance Fund, 1934-1970.

Source: U.S. Federal Deposit Insurance Corporation, 1970 Annual Report, table 14.

See text for series X 620-633.

The Federal Deposit Insurance Corporation insured deposits in each account up to a maximum of \$5,000 from 1934 to September 1950; to \$10,000 from September 1950 to October 1966; to \$15,000 from October 1966 to December 1969; and to \$20,000 since then through 1970.

X 731-740. Branch banking, 1900-1970.

Source: Board of Governors of the Federal Reserve System. Number of banks and loans and investments or deposits, 1900–1941, Banking and Monetary Statistics, pp. 297, 311 (for data on private and mutual savings banks, see also annual tables in the Federal Reserve Bulletin); number of branches, 1900–1951, Monetary Policy and the Management of the Public Debt, Joint Committee on the Economic Report, 82d Congress, 2d session, pt. I, p. 555; all series for all other years, Federal Reserve Bulletin, April, May, June, or July issues.

The figures for number of branches represent some revisions of data previously published in *Banking and Monetary Statistics*. Detailed statistics on branch banking by States, by class of bank, and by location of branches relative to the head office, for selected years since 1900, are available in the sources indicated.

Branch banking is defined as a type of multiple-office banking under which a bank as a single legal entity operates more than one banking office. If a bank operates a single branch office, irrespective of size or functions, other than a "facility" as defined below, it is included here.

The statistics on branches include all branches or additional offices in conterminous U.S. prior to 1959, and include Alaska and Hawaii thereafter, within the meaning of section 5155, United States Revised Statutes, which defines a branch as "any branch bank, branch office, branch agency, additional office, or any branch place of business... at which deposits are received, or checks paid, or money lent." Branch figures, however, do not include banking facilities at military and other Government establishments, which began in 1942 through arrangements made by the Treasury Department with banks designated as depositaries and financial agents of the Government. The number of such facilities is shown separately in series X 740.

Branch banking is not to be confused with group and chain banking. Group and chain banking refers to types of multiple-office banking which differ from branch banking principally in legal form and type of control. For data on group and chain banking, see sources cited above.

For mutual savings banks, data are not available for banks operating branches and number of branches until 1933; deposits are available

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only for the years indicated. Branches of unincorporated (private) banks not reporting to State banking authorities are not included prior to 1934. Separate data for State member and nonmember banks of the Federal Reserve System are available only for the years shown.

Wherever available, figures on loans and investments or deposits of banks operating branches are shown. These figures include the combined deposits or loans and investments of banks and their branches. For 1900–1936, the figures present loans and investments; for 1937–1941 and 1949, they are deposits, except as noted.

X 741-755. Bank suspensions—number and deposits of suspended banks, 1864-1970.

Source: Series X 741, sum of series X 742-745; series X 748, sum of series X 749-752. Series X 742-754 (except X 745 and X 752 for 1864-1920), 1864-1891, U.S. Comptroller of the Currency, Annual Report, 1931, p. 1040; 1892-1933, Board of Governors of the Federal Reserve System, Banking and Monetary Statistics, pp. 283 and 292. Series X 745 and X 752, 1864-1920, U.S. Federal Deposit Insurance Corporation, Annual Report, 1934, pp. 112-113; series X 755, 1921-1923, Annual Report, 1940, p. 66; series X 742-747 and X 749-755, 1934-1970, unpublished data; series X 741 and X 748, 1934-1970, Annual Report, 1970.

More detailed statistics for 1921–1941 are available in Banking and Monetary Statistics, including the number and deposits of suspended banks, by States and by class of bank, and in the Federal Reserve Bulletin for September 1937, pp. 866–910, and December 1937, pp. 1204–1224. The annual reports of the Comptroller of the Currency contain considerable material relating to national banks placed in receivership and losses sustained by depositors and stockholders of national banks.

Comprehensive and dependable statistics on bank suspensions are available only for comparatively recent years, that is, beginning with 1921. Prior to 1921, the figures are useful principally in showing the periods of abnormal banking mortality. Statistics for State banks prior to 1892 are fragmentary and incomplete. While figures for 1892–1920 are believed to be somewhat more reliable than for earlier years, they are not strictly comparable with the figures shown for 1921–1970.

Beginning with 1921, detailed data on the number and deposits of suspended banks were compiled from original reports on bank suspensions. The term "bank suspension" has been defined to comprise all banks closed to the public, either temporarily or permanently, by supervisory authorities or by the banks' boards of directors on account of financial difficulties, whether on a so-called moratorium basis or otherwise, unless the closing was under a special banking holiday declared by civil authorities. In the latter case, if the bank remained closed only during such holiday, it was not counted as a suspension. Banks which, without actually closing, merged with other banks or obtained agreements with depositors to waive or to defer withdrawal of a portion of their deposits likewise were not counted as suspended.

The figures for number of suspended banks for 1933 are not wholly comparable with those for other years. It was difficult in that year to determine the status of some banks because of the changes brought about by the State and national banking holidays and the subsequent reorganization of the banking system. The 1933 figures comprise banks suspended before the banking holiday, licensed banks suspended or placed on a restricted basis following the banking holiday, unlicensed banks placed in liquidation or receivership, and all other unlicensed banks which were not granted licenses to reopen by June 30, 1933. This date was selected because by that time supervisory authorities had completed their examination of practically all the banks not granted licenses immediately following the banking holiday, and had authorized the reopening of banks that could qualify for licenses. Since 1933, suspensions of insured banks have been handled by the Federal Deposit Insurance Corporation.

Deposits for suspended banks are as of the date of suspension for member banks of the Federal Reserve System and for nonmember banks, as of the date of suspension or latest available call date prior thereto, with the exception of unlicensed banks included for 1933. Deposits of unlicensed banks included in suspensions for 1933 are (a) for national banks, as of the date of conservatorship; (b) for State member banks, as of June 30, 1933, or the nearest call date prior to liquidation or receivership; and (c) for nonmember banks, the latest figures available at the time the banks were reported as having been placed in liquidation or receivership, or (for those which later reopened) as of the date license was granted to reopen.

Methods used in deriving the figures for losses borne by depositors (series X 755) for the periods 1865–1880, 1881–1909, and 1901–1920, are described in Federal Deposit Insurance Corporation, *Annual Report*, 1940, pp. 61–73.

There were no bank suspensions in Alaska and Hawaii.

X 756-767. Banks closed because of financial difficulties, 1934-1970.

Source: U.S. Federal Deposit Insurance Corporation, Annual Report, 1970, and unpublished data.

The Federal Deposit Insurance Corporation has used two procedures in fulfilling its responsibility to protect bank depositors from loss. It has paid depositors of insured banks placed in receivership up to the maximum limit prescribed by law and it has made loans to, or purchased assets of, financially distressed banks, thereby facilitating assumption of their deposits by another insured bank. The assumption of deposits by another bank enables business to continue with little or no deviation from normal routine, whereas a receivership may disrupt the economic life of the community.

Deposit figures at date of closing are adjusted to reflect subsequent corrections. In the case of banks placed in receivership, deposits at date of closing may be changed to include deposits discovered or reclassified after that date.

Data for losses to depositors in noninsured banks are not available. There were no bank failures in Alaska and Hawaii.

X 768-791. General note.

The earliest available bank earnings data on a nationwide basis are those for national banks beginning in 1869. National banks were required to make earnings reports for the years 1869–1871 whenever dividends were declared; for 1872–1916, at least semiannually whether dividends were declared or not declared; for 1917–1961, for the periods ending in June and December; and for 1962 to the present (1970), annual reports for the calendar year. At first the report form included only cash dividends declared, net profits, and a few related items, but it became progressively more detailed and more comprehensive. Beginning with 1917, a breakdown as to the sources and disposition of earnings has been required.

X 768-775. National banks-earnings and expenses, 1869-1970.

Source: 1869-1941, Board of Governors of the Federal Reserve System, *Banking and Monetary Statistics*, pp. 260-261; 1942-1970, U.S. Comptroller of the Currency, *Annual Report*, various issues.

Data are available for 1919-1941 for all Federal Reserve member banks (national and State member banks combined) in *Banking and Monetary Statistics*, pp. 262-265, and thereafter in various issues of the *Federal Reserve Bulletin*. For example, earnings and expenses are available by type; recoveries and profits, losses and charge-offs, and transfers to and from valuation reserves (beginning in 1948) are shown by character of asset. Data are also available for banks grouped by Federal Reserve District, State, class of bank, and size of bank. Various earnings ratios are available for part of the period.

The figures for gross and net current earnings before 1927 include profits on securities sold; such profits during the second half of 1926, when first reported separately, were \$17,388,000. The figures for gross and net earnings up to and including the fiscal year ending June 1919 also include recoveries on charged-off assets; such recoveries

in the fiscal year ending June 30, 1919, were \$21,066,000. Beginning in 1927 and 1919, respectively, these items are included in series X 772, which is the excess of total losses, charge-offs (including depreciation), and transfers to reserve accounts over total recoveries, profits, and transfers from reserve accounts, or vice versa.

Beginning 1969, data are not fully comparable with those for prior years: (1) net current earnings are reduced by a provision for loan losses; (2) X 770, expenses, includes only those income taxes applicable to current earnings; (3) the effect of taxes on other earnings is reflected in X 772; (4) X 772 is computed by summing securities gains or losses, extraordinary charges or credits, and the excess of transfers from reserves over transfers to reserves, all adjusted for tax effects.

X 776-791. Insured commercial banks—earnings and expenses, 1934-1970.

Source: U.S. Federal Deposit Insurance Corporation, 1934-1941, Annual Report, 1941, pp. 158-159 (except ratio of net profits to capital accounts which are from unpublished data); 1942-1970, Annual Report, various issues.

For a definition of commercial banks, see general note for series X 561-820 and especially text for series X 588-609 and X 683-688. More detailed data than are shown here are available in the source. See description of additional data available for national and other Federal Reserve member banks in the text for series X 768-775.

Prior to 1969, reports of income and dividends were submitted to the Federal supervisory agencies on either a cash or an accrual basis. In 1969, banks with assets of \$50 million or more, and beginning in 1970, \$25 million or more, were required to report consolidated income accounts on an accrual basis. Smaller banks continue to have the option of submitting their reports on a cash or an accrual basis, except that unearned discount on installment loans, and income taxes, must be reported on an accrual basis. For national banks and for State banks in the District of Columbia, not members of the Federal Reserve System, the data are collected by the Comptroller of the Currency; for State bank members of the Federal Reserve System, by the Board of Governors of the Federal Reserve System; for other insured banks, by the Federal Deposit Insurance Corporation.

Earnings data are included for all insured banks operating at the end of the respective years, unless indicated otherwise. Beginning 1958, appropriate adjustments have been made for banks in operation during part of the year but not at the end of the year.

Series X 787 is the excess of total losses, charge-offs, and transfers to reserve accounts over total recoveries, profits, and transfers from reserve accounts, or vice versa. Beginning 1969, series X 787 represents the combination of "extraordinary changes or credits" and "net securities gains or losses."

X 792-795. Bank clearings at principal cities, 1854-1970.

Source: U.S. Comptroller of the Currency, 1854-1881, Annual Report, 1920, vol. 2, p. 849; 1882-1919, Annual Report, various issues. 1920-1962, Commercial and Financial Chronicle, New York, N.Y.; 1963-1970, Dun & Bradstreet, Inc., Monthly Bank Clearings Report, p. 2.

The first source cited above gives for New York the number of banks, capital, clearings, balances, average daily clearings, and average daily balances, for years ending September 30, 1854-1920.

For 1882–1919, figures are for all cities reporting to New York Clearing House Association and cover years ending September 30. Beginning 1920, all figures are for calendar years. For 1920–1935, series X 795 is for 146 identical cities. Beginning 1963, series X 793 is for 25 cities outside of New York City. The comparability of figures over the years is affected by (a) changes in the number of cities reporting and (b) the tendency toward consolidation of banks, eliminating former clearings between two or more banks. The source volume suggests that bank debits, series X 698–701 and X 706–709, are a better measure of volume of payment.

X 796-820. General note.

For purposes of administering the Federal Reserve System, the country is divided into 12 districts. There is a Federal Reserve bank in each district and most have one or more branches. Federal Reserve banks are organized as Federal corporations with capital stock subscribed by member banks in the respective districts. Member banks include all national banks and those State banks which have voluntarily requested membership and have met the requirements for joining the System. The number and total assets of national and State member banks are shown separately in series X 610-613 and for the two groups combined in series X 624-625.

The Federal Reserve banks are the principal medium through which the credit policies and general supervisory powers of the Federal Reserve authorities are carried out; they hold the legal reserves of member banks and perform for member banks many services related to those that commercial banks perform for the public, such as furnishing currency for circulation, facilitating the collection and clearance of checks, and providing discount facilities. The Reserve banks also act as fiscal agents, depositaries, and custodians for the U.S. Treasury and other Government units and perform numerous other important functions. The Federal Reserve banks are coordinated and supervised by the Board of Governors of the Federal Reserve System.

X 796-805. Federal Reserve banks—principal assets and liabilities, 1914-1970.

Source: Board of Governors of the Federal Reserve System. 1914-1941, Banking and Monetary Statistics, pp. 330-332; 1942-1959, Annual Report, various issues; 1960-1970, Federal Reserve Bulletin, January issues.

Complete and detailed balance sheets for all Federal Reserve banks combined and for each bank are included in the sources.

Since 1934, the reserves of the Federal Reserve banks have consisted principally of the gold certificate account, which is backed dollar for dollar by gold in the Treasury. The supply of these reserves is dependent primarily upon the size of the monetary gold stock, or more precisely upon that part of the gold stock against which the Treasury has issued gold certificates or gold certificate credits. For a discussion of changes in the items affecting the reserves of Federal Reserve banks, 1914–1934, see Banking and Monetary Statistics, p. 325.

Deposits of Federal Reserve banks consist mainly of reserves of member banks, shown in series X 803. They also include the checking account of the U.S. Treasurer, deposits of foreign banks and governments, and other accounts, such as accounts of certain nonmember banks maintained for use in clearing and collecting checks and checking accounts of Government agencies. For further description of the items included in this table, see Banking and Monetary Statistics, pp. 324-329, and Federal Reserve System—Purposes and Functions, chap. XIII, pp. 173-190.

For statistical series presenting Federal Reserve balance-sheet items and monetary data related to member bank reserves, see Banking and Monetary Statistics, pp. 360-401; Federal Reserve System—Purposes and Functions, chap. VIII, pp. 107-119; and the opening pages of the tabular section of Federal Reserve Bulletin, for example, March 1973, pp. A4-A8.

X 806-812. Federal Reserve banks—earnings and expenses, 1914-1970.

Source: Board of Governors of the Federal Reserve System. 1914-1962, Annual Report, various issues; 1963-1970, Federal Reserve Bulletin, February issues.

Federal Reserve banks are not operated for profit but they are selfsupporting. The nature and the amount of Reserve bank earnings depend largely upon the demand for Reserve bank credit on the part of the member banks and upon Federal Reserve policy as to openBANKING X 813-820

market operations. Most of the expenses of the Reserve banks are incurred in collecting checks, supplying currency, and performing other services from which no earnings are derived.

Until 1933, the law required that the net earnings of the Federal Reserve banks, after deduction of the annual 6 percent cumulative dividend on paid-in capital stock, be allocated to surplus and to a franchise tax paid to the U.S. Government. In 1933, Congress abolished the franchise tax at a time when Reserve bank earnings were small and after Congress had directed the Reserve banks to contribute half of their surplus to the capital of the Federal Deposit Insurance Corporation. From 1947 to 1958, the Reserve banks paid to the Treasury nine-tenths of their net earnings after dividends and after adjustments to maintain their surplus accounts at the level of subscribed capital; in 1959, they began paying all of such earnings to the Treasury. Since 1964, surplus has been maintained at the level of paid-in capital (which is one-half subscribed capital).

X 813-820. Federal Reserve banks—member bank reserve requirements, 1917-1970.

Source: Board of Governors of the Federal Reserve System, Annual Report and Federal Reserve Bulletin, various issues.

Legal limits: These data represent reserve requirements authorized by law (the Federal Reserve Act, as amended). Since the September 21, 1966, amendment, requirements have been established by the Board of Governors of the Federal Reserve System between specific minimums and maximums set by the law. On December 31, 1970, these legal limits for ratios of demand deposits were 10 percent and 22 percent for member banks in reserve cities, 7 percent and 14 percent for member banks not in reserve cities. Ratios of time deposits were 3 percent and 10 percent for all banks.

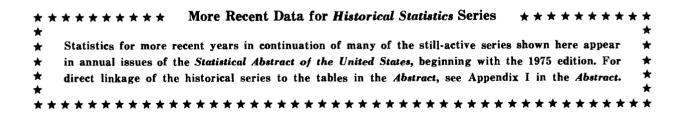
The Federal Reserve Act as approved December 23, 1913, provided for temporary reserve requirements for member banks to be effective for a period of approximately three years. Amendment to the Act on June 21, 1917, established percentages below which reserve requirements might not be set, but fixed no upper limits. Maximum limits at twice the legal minimums were provided by the Act of August 23, 1935. From August 16, 1948, through June 30, 1949, maximum limits were increased to permit changes in reserve requirements for the purpose of preventing injurious credit expansion. After June 1949 the limits returned to their former levels. A 1959 Act changed the maximum reserve requirement on demand deposits of banks in central reserve cities and in reserve cities from twice the legal minimum to 22 percent. Another provision of that Act discontinued the

central reserve city designation effective July 28, 1962, three years after passage of the Act. Maximums based on legal minimums for banks outside of reserve cities and for other classes of deposits at all banks were replaced temporarily in September 1966, and permanently in September 1968, by specific maximums and minimums.

Composition of reserves: The temporary reserve requirements in effect until 1917 authorized member banks to hold a part of their reserves as cash in their own vaults and a part on deposit with other banks. For a fuller discussion of these requirements and the 1917 amendment of the Federal Reserve Act, see Federal Reserve Bulletin, November 1938. Only balances with Federal Reserve banks could be counted as legal reserves from June 21, 1917, until late 1959. Since that time, member banks have also been allowed to count some portion of their vault cash as reserves. Effective December 1, 1959, vault cash in excess of 4 percent of net demand deposits could be counted by country banks. The percentage was decreased to 21/2 on August 25, 1960. Central reserve city and reserve city banks were allowed to count vault cash in excess of 2 percent of net demand deposits effective December 3, 1959, and amounts above 1 percent beginning September 1, 1960. All member banks were allowed to count all vault cash as reserves effective November 24, 1960.

Net demand deposits are demand deposits subject to reserve requirements. In general, prior to 1917, net demand deposits were made up of (a) the gross amount of all demand deposits except those due to other banks, and (b) the net excess (if any) of demand deposits due to other banks over demand balances due from other banks and cash items in process of collection. From 1917 to August 23, 1935, the definition was substantially the same, except that U.S. Government deposits were exempt by law from all reserve requirements and were therefore excluded from net demand deposits. Beginning August 23, 1935, net demand deposits have been total demand deposits minus cash items in process of collection and demand balances due from domestic banks (also minus war loan and Series E bond accounts during the period April 13, 1943–June 30, 1947).

Reserve cities: Changes in the list of cities classified as "central reserve" and "reserve" for 1914–1960 are shown in the Supplement (1962) to Section 10 of Banking and Monetary Statistics. The central reserve city designation was terminated July 28, 1962. In 1962–1965, the reserve city designation was discontinued for five cities. Reserve cities on December 31, 1970, included the 36 cities where a Federal Reserve bank or branch is located plus the following: Columbus, Ohio; Des Moines, Iowa; Fort Worth, Texas; Indianapolis, Indiana; Miami, Florida; Milwaukee, Wisconsin; National Stock Yards, Illinois; St. Paul, Minnesota; Tulsa, Oklahoma; and Washington, D.C.



Series X 561-565. State Banks—Number of Banks and Assets and Liabilities: 1811 to 1830
[Money figures in millions of dollars. As of January 1]

Year	Number of banks	Capital	Circulation	Deposits	Specie
	561	562	563	564	565
1830 1820 1816 1815	329 307 246 208 88	110.2 102.1 89.8 82.3 42.6	48.3 40.6 68.0 45.5 22.7	40.8	14.9 16.7 19.0 17.0 9.6

Series X 566-579. Second Bank of the United States—Resources, Liabilities, and Profits: 1817 to 1840
[In thousands of dollars. Resources and liabilities as of January 1]

				Resources						Liabilities				Pro	ofits	
	Loans				Due from	Notes					Due to State	Other	Six m ending	onths January	Six m endin	onths g July
Year	and dis- counts	Stocks	Real estate	Banking houses	State and foreign banks	of State banks	Specie	Capital	Circu- lation	Deposits		liabili- ties	Amount	Divi- dend rate (percent)	Amount	Dividend rate (percent)
	566	567	568	569	570	571	572	573	574	575	576	577	578	579	578	579
1840	36,840 41,619 45,257 57,394 59,232	16,816 17,957 14,862 (NA) (NA)	1,229 1,055 1,062 817 1,487	611 424 443 420 967	7,469 5,833 3,657 2,285 4,161	1,884 1,792 867 1,207 1,786	1,470 4,154 3,771 2,638 8,418	35,000 35,000 35,000 35,000 35,000	6,696 5,983 6,768 11,448 23,075	3,339 6,779 2,617 2,332 5,061	9,127 15,882 17,449 9,211 2,661	8,119 9,260 7,987 6,800 10,100	l			
1835 1834 1833 1832 1831	51,809 54,911 61,696 66,294 44,082	(NA) (NA) (NA) 2 8,675	1,761 1,741 1,855 2,137 2,629	1,219 1,189 1,181 1,160 1,845	6,532 4,861 6,795 4,037 2,383	1,506 1,983 2,298 2,172 1,495	15,708 10,039 8,952 7,038 10,808	35,000 35,000 35,000 35,000 35,000	17,340 19,208 17,518 21,356 16,251	11,757 10,839 20,348 22,761 17,297	3,119 1,522 2,092 1,951 785	11,300 8,200 8,000 1,600 2,000	1,480 1,594 1,716 1,845	8.50 3.50 3.50 3.50 3.50	1,498 1,602 1,861 1,590	3.50 3.50 3.50 3.50
1830 1829 1828 1827 1826	40,664 39,220 33,683 30,938 33,425	11,610 16,099 17,625 17,764 18,304	2,886 2,346 2,295 2,039 1,848	1,445 1,557 1,634 1,678 1,793	2,730 2,206 357 2,144 1,169	1,465 1,294 1,447 1,068 1,115	7,608 6,098 6,170 6,457 8,960	35,000 35,000 35,000 35,000 35,000	12,924 11,902 9,856 8,549 9,475	16,046 17,062 14,497 14,320 11,215	(NA) 1,448 3,165 280 251	4,500 8,400 600 4,100 5,500	1,392 1,325 1,203 1,148 1,162	3.50 3.50 3.00 3.00 2.75	1,414 1,381 1,349 1,274 1,218	8.50 8.50 8.50 8.00 8.00
1825 1824 1823 1822 1821	31,813 33,482 30,786 28,061 30,905	18,422 10,874 11,019 13,319 9,156	1,495 1,303 627 563	1,853 1,872 1,957 1,856 1,887	2,154 2,722 1,432 2,825 1,262	1,056 705 766 918 677	6,747 5,814 4,425 4,761 7,643	35,000 35,000 35,000 35,000 35,000	6,068 4,647 4,361 5,579 4,567	12,033 13,702 7,622 8,075 7,895	2,407 1,020 1,298 2,040 2,058	8,000 2,400 2,600 1,700 2,000	1,081 929 884 719 734	2.50 2.50 2.50 2.00 (2)	1,155 977 932 1,010 750	2.75 2.50 2.50 2.25 1.50
1820	31,401 35,786 41,182 313,485	7,193 7,392 9,476 4,829		1,297 484 175	2,989 3,246 2,238 8,848	1,443 1,878 1,837 587	3,393 2,667 2,516 1,724	35,000 35,000 35,000 85,000	8,589 6,564 8,339 1,911	6,569 5,793 12,279 11,233	2,054 1,484 1,358	500 2,600 400	785 899 1,382	(2) 2.50 4.00	719 983 1,266 1,022	(2) (3) 3.50 2.60

NA Not available.

1 Comptroller of the Currency, Annual Report, 1916, pp. 912-913, shows somewhat different figures as follows (in millions of dollars): Series X 576-1840, 17.3; 1839, 25.1; 1838, 25.5. Series X 517-1840, 3.0; 1839, no entry; 1838, 0.2.

2 Carried to contingent fund.

³ Comptroller of the Currency, Annual Report, 1916, p. 912, shows \$32.2 million; American State Papers, Finance, vol. 3, p. 353, shows \$32.4 million as of "last of October."

BANKING **X 580-587**

Series X 580-587. All Banks—Number of Banks and Principal Assets and Liabilities: 1834 to 1970
[In millions of dollars, except number of banks. As of June 30 or nearest available date]

	Number	Total		Assets			Liabilities	
Year	of	assets or	Total	Total	Total	Total	Bank-	Capital
	banks	liabilities	loans 1	investments	cash	deposits	notes ²	accounts
	580	581	582	583	584	585	586	587
1970	14,187 14,194 14,245 14,267 14,328	3 611,305 3 594,542 529,606 479,590 447,788	358,433 348,407 300,381 276,586 261,014	\$ 142,722 \$ 141,609 137,166 123,094 113,320	86,817 89,363 76,521 66,397 61,152	505,939 496,034 460,146 420,748 394,326		47,525 44,408 41,034 38,351 36,197
1965	14,310	412,498	232,784	110,634	58,241	363,892		34,124
1964	14,189	375,349	203,992	107,499	54,247	333,073		31,130
1968	14,006	349,083	180,398	107,892	52,199	310,455		28,691
1962	13,947	321,629	160,709	103,584	49,728	286,037		27,107
1961	13,989	296,445	146,673	96,183	46,541	263,316		25,471
1960	14,019	282,872	141,836	87,191	47,956	249,760		23,857
1959	14,011	273,309	128,143	96,078	43,816	243,016		22,507
1958	14,095	265,861	118,480	97,759	44,628	238,369		21,473
1957	14,184	243,856	112,122	86,314	41,014	218,025		19,983
1956 4*	14,247	239,267	106,086	85,888	43,540	216,483		18,911
1955.	14,308	229,626	91,853	92,897	42,013	208,845		17,663
1954.	14,464	218,896	81,225	92,115	42,555	199,505		16,664
1958.	14,533	207,760	77,117	85,965	42,024	189,176		15,791
1952.	14,598	201,795	69,742	87,786	41,668	184,147		15,038
1951.	14,636	188,338	63,841	83,901	38,236	171,879		14,235
1950	14,676 14,681 14,721 14,715 14,685	179,165 170,810 170,052 166,336 171,529	52,001 47,078 45,100 38,365 31,506	90,962 86,794 87,982 92,729 105,163	84,101 34,967 35,000 33,544 88,163	163,789 156,488 156,373 153,375 159,293		13,577 12,846 12,239 11,719 11,104
1945	14,660	162,169	27,996	101,724	80,740	151,128		10,126
1944	14,674	138,842	25,435	83,329	28,195	128,684		9,333
1948	14,734	116,729	22,248	65,674	26,696	107,297		8,765
1942	14,891	91,930	25,063	38,954	25,595	82,765		8,500
1941	14,975	87,324	25,273	32,667	26,785	78,212		8,441
1940	15,076	79,729	22,311	29,040	25,603	70,854		8,252
1939	15,210	73,193	21,300	28,339	20,550	64,303		8,236
1938	15,419	67,730	21,033	26,267	17,374	59,000		8,107
1937	15,646	68,402	22,435	27,212	15,520	59,485		8,123
1937	15,884	66,854	20,640	27,857	15,038	58,068		8,016
1935	16,047	59,951	20,240	24,176	12,318	51,270	222	7,815
	15,918	55,915	21,309	21,262	10,158	46,480	695	7,865
	14,771	51,359	22,337	18,125	7,793	41,684	727	7,388
	19,317	57,295	28,071	18,406	7,407	45,569	649	8,525
	22,242	70,070	35,416	19,978	10,405	57,187	686	9,872
1930	24,273	74,290	40,990	18,090	11,201	60,365	649	10,372
1929	25,568	72,315	41,944	17,305	9,222	58,269	649	9,750
1928	26,401	71,121	39,946	18,146	9,454	58,138	649	8,954
1927	27,255	67,893	37,949	16,649	10,156	56,700	650	8,301
1927	28,350	65,079	36,658	15,562	9,806	54,416	651	7,841
1925	29,052	62,232	34,378	15,056	9,903	52,301	648	7,384
1924	29,601	57,420	32,030	13,843	9,034	47,961	729	7,073
1923	30,444	54,144	30,734	13,474	7,595	44,376	720	6,818
1922	30,736	50,368	28,000	12,328	7,830	41,227	725	6,599
1921	31,076	49,633	29,236	11,169	6,980	38,934	704	6,385
1920	30,909	53,094	31,189	11,043	8,489	41,838	688	6,019
1919	29,767	47,603	25,132	12,024	8,286	37,982	677	5,409
1918	29,480	41,097	22,863	9,609	6,837	33,061	681	5,113
1917	28,919	37,540	20,902	7,925	7,250	30,855	660	4,988
1916	28,362	32,697	18,263	6,833	6,385	26,738	676	4,718
1915	28,017	28,363	15,976	5,982	5,300	22,504	722	4,643
	27,864	27,349	15,502	5,701	5,125	21,665	722	4,503
	27,285	26,103	14,821	5,400	4,853	20,523	722	4,448
	26,472	25,372	14,124	5,440	4,925	20,013	708	4,269
	25,815	24,026	13,228	5,136	4,842	18,860	681	4,133
1910	25,151	22,922	12,766	4,839	4,543	17,950	675	3,984
1909	23,734	21,489	11,548	4,746	4,499	16,883	636	3,750
1908	23,161	19,946	10,763	4,4 6	4,043	15,440	613	3,627
1907	21,986	20,114	11,319	4,284	3,848	15,759	548	3,492
1907	20,407	18,740	10,442	4,080	3,635	14,703	510	3,285
1905	18,767	17,511	9,540	3,974	3,455	13,772	445	3,066
1904	17,659	15,848	8,545	3,595	3,202	12,341	899	2,935
1908	16,433	14,901	8,257	3,341	2,828	11,612	859	2,760
1902	15,112	14,026	7,664	3,098	2,855	11,103	309	2,473
1901	14,054	13,037	6,914	2,891	2,866	10,374	319	2,200
1900	13,053	11,388	6,093	2,544	2,395	8,922	265	2,075
	12,459	10,679	5,689	2,254	2,382	8,472	199	1,907
	12,163	9,218	4,976	1,970	1,914	7,044	190	1,878
	12,079	8,432	4,596	1,802	1,703	6,270	197	1,877
	12,112	8,048	4,615	1,689	1,421	5,859	199	1,893

Series X 580-587. All Banks—Number of Banks and Principal Assets and Liabilities: 1834 to 1970—Con. [In millions of dollars, except number of banks]

	Number	Total		Assets			Liabilities	
Year	of	assets or	Total	Total	Total	Total	Bank	Capital
	banks	liabilities	loans 1	investments	cash s	deposits ⁶	notes ²	accounts 6
	580	581	582	583	584	585	586	587
1896 ⁷	9,469	7,554	4,251	1,675	1,266	5,486	199	1,746
	9,818	7,610	4,269	1,565	1,442	5,539	179	1,780
	9,508	7,291	4,085	1,445	1,473	5,268	172	1,753
	9,492	7,192	4,369	1,366	1,190	5,065	155	1,781
	9,336	7,245	4,337	1,284	1,378	5,298	141	1,721
	8,641	6,562	4,031	1,179	1,125	4,683	124	1,649
1890	8,201	6,358	3,854	1,173	1,123	4,576	126	1,558
	7,244	5,945	3,478	1,129	1,144	4,311	129	1,428
	6,647	5,471	3,161	1,131	989	3,891	156	1,348
	6,170	5,193	2,943	1,011	999	3,719	167	1,259
	4,338	4,542	2,434	1,052	773	8,186	245	1,076
1885	4,350	4,427	2,272	1,042	876	3,078	269	1,040
1884	4,113	4,221	2,261	1,041	678	2,849	295	1,036
1888	8,835	4,208	2,234	1,028	712	2,884	312	973
1888	3,572	4,031	2,051	1,055	755	2,777	309	901
1882	3,427	3,869	1,902	985	782	2,649	313	864
1880	3,855	3,399	1,662	904	655	2,222	318	826
1879	3,335	3,313	1,507	1,139	505	2,149	308	827
1878	3,229	3,081	1,561	875	493	1,921	300	826
1977	8,384	3,204	1,721	852	483	2,006	290	875
1876	3,448	3,183	1,727	818	503	1,993	295	864
1875	83,336	8,205	1,748	802	527	2,009	318	847
1874	83,552	2,891	1,564	732	510	1,740	339	789
1873	83,298	2,781	1,440	721	487	1,625	339	749
1872	2,419	2,145	1,123	480	490	927	405	748
1871	2,175	2,003	990	479	485	888	370	706
1870 °	1,937	1,781	864	470	406	775	336	648
	1,878	1,736	801	480	418	772	329	616
	1,887	1,736	766	520	418	798	329	596
	1,908	1,674	709	536	398	744	329	578
	1,931	1,673	682	483	480	759	309	560
1865 °	1,643	1,357	518	412	392	689	180	452
	1,556	973	555	150	236	380	176	391
	1,532	1,209	654	186	307	504	239	412
	1,492	1,012	647	99	221	357	184	418
	1,601	1,016	697	74	198	319	202	430
1860	1,562	1,000	692	70	196	310	207	422
1859	1,476	983	657	64	229	328	193	402
1858	1,422	849	583	60	170	237	155	395
1857	1,416	953	684	59	177	288	215	371
1856	1,398	880	634	49	167	265	196	344
1855 1854 1858 ¹⁰ 1852 ¹¹ 1851	1,807 1,208 750 913 879	817 795 577 620 597	576 557 409 430 414	53 44 22 23 22	155 163 127 137	236 239 195 182 175	187 205 146 161 155	332 301 208 237 228
1850	824	582	364	21	115	146	131	217
1849	782	479	332	24	97	121	115	207
1848	751	512	345	27	112	143	129	205
1847	715	458	310	20	94	120	106	203
1846	707	456	312	22	95	125	106	197
1845	707	434	289	20	93	114	90	206
1844	696	427	265	23	104	117	75	211
1843	691	393	255	28	74	78	59	229
1842	692	472	324	25	82	88	84	260
1841	784	608	387	65	112	108	107	314
1840	901	658	463	42	99	120	107	858
1889	840	702	492	36	129	143	135	327
1888	829	682	486	34	119	146	116	818
1887	788	707	525	12	140	190	149	291
1886	713	622	458	12	129	166	140	252
1836	704	498	365	9	108	122	104	281
1836	506	419	324	6	76	102	95	200

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ Total loans shown as net prior to 1969. See footnote 3.

¹ Includes circulating notes of both State and national banks. For State banknotes in circulation, chiefly for 1863–1872, see series X 675; for more complete figures for this series, 1860–1878, see series X 437. For national banknotes in circulation, 1864–1985, see series X 653.

¹ In 1969 and 1970, loans and securities are stated on a gross basis in total assets of commercial banks. Total reserves on loans and securities of commercial banks are included in total liabilities.

¹ Excludes one national bank in Alaska.

¹ Comparable with later data.

<sup>See series X 679-682 for supplementary figures for nonnational banks: Vault cash, 1875-1896; deposits, 1865-1896; capital accounts, 1875-1882.
Comparable with earlier data. See series X 656 for number of nonnational banks, 1875-1882.
Number of nonnational banks estimated.
For nonnational banks, all figures except number of banks and capital accounts are estimated; see series X 656-677.
Incomplete.
Estimates based on previous 5 years for number of banks and on 10 years, 1854-1863, for assets and liabilities.</sup>

BANKING X 588-598

Series X 588-609. All Commercial Banks—Number of Banks and Principal Assets and Liabilities: 1896 to 1970
[In millions of dollars, except number of banks. As of June 30 or nearest available date]

]					Assets	t available date			
	Number of	Total assets or		Loans 1			Inves	tments		Ca	ısh
Year	banks	liabilities	Total	Real estate	Other	Total	U.S. Government obligations	Obligations of States and political subdivisions	Other	Total	Cash items in process of collection
	588	589	590	591	592	593	594	595	596	597	598
1970	13,690	² 534,932	2 299,356	71,291	228,065	127,701	51,860	63,153	12,687	* 85,910	38,516
	13,694	² 521,242	2 286,911	69,079	217,833	126,910	54,242	60,261	12,407	* 88,530	44,384
	13,743	460,575	247,283	61,967	190,156	123,408	58,805	52,794	11,809	75,562	33,637
	13,762	415,437	226,516	55,731	175,198	111,214	54,387	46,994	9,833	65,244	26,470
	13,821	388,373	214,386	52,306	166,165	102,500	53,619	40,702	8,180	60,187	22,949
1965	13,805	356,110	189,688	46,548	146,776	99,315	56,986	36,614	5,715	57,221	20,968
1964	13,682	323,349	165,336	41,648	126,946	95,928	59,456	31,477	4,995	53,342	18,867
1963	13,494	301,063	145,733	36,939	111,813	96,160	63,676	27,863	4,621	51,309	18,380
1962	13,434	277,211	129,779	32,194	100,254	91,643	64,550	23,206	3,887	48,844	16,782
.1961	13,474	254,627	118,462	29,383	91,503	84,050	61,921	18,766	3,362	45,679	14,912
1960	13,503	243,274	115,767	28,439	89,554	74,961	54,987	16,827	3,147	47,192	14,875
	13,492	234,782	103,994	26,857	79,151	83,005	62,208	17,043	3,754	43,035	11,258
	13,574	229,182	96,244	23,927	74,159	84,722	64,463	15,789	4,471	43,711	10,952
	313,658	229,601	91,635	22,736	70,543	73,851	56,895	13,388	8,568	40,175	8,957
	313,719	206,846	87,447	21,990	66,810	78,461	56,869	12,988	8,603	42,623	11,105
1955	3 13,780	3 199,244	75,181	19,779	56,527	80,080	63,270	12,785	4,025	41,024	9,762
	13,936	190,581	67,335	17,226	51,099	79,046	63,508	11,930	3,608	41,568	8,880
	14,005	181,427	65,025	16,230	49,734	72,932	58,645	10,533	8,754	41,157	8,826
	14,069	177,417	59,233	15,019	45,067	75,204	61,178	9,844	4,182	40,703	8,619
	14,107	165,503	54,821	14,144	41,392	71,224	58,521	8,514	4,189	87,385	7,409
1950	14,146	156,914	44,798	12,411	32,978	76,973	65,753	7,392	3,828	33,270	6,813
	14,151	149,705	41,028	11,023	30,459	72,750	63,221	5,929	3,600	34,167	6,102
	14,189	149,799	39,866	10,233	29,963	73,990	64,798	5,588	3,604	34,168	6,038
	14,182	146,974	33,679	8,310	25,369	79,076	70,533	4,965	3,578	32,705	5,831
	14,152	153,507	27,159	5,845	21,314	92,417	84,549	4,082	3,786	32,418	5,253
1945	14,126	146,245	23,697	4,501	19,196	90,917	84,136	3,778	3,003	80,157	3,402
	14,138	125,081	21,029	4,447	16,582	74,784	68,480	3,472	2,832	27,662	4,126
	14,197	104,322	17,673	4,633	18,040	59,020	52,495	3,517	3,008	25,976	3,550
	14,353	80,276	20,249	4,875	15,374	33,431	26,439	3,564	3,428	24,844	2,691
	14,434	75,856	20,324	4,742	15,582	27,319	20,139	3,670	3,510	25,819	2,517
1940	14,534	67,804	17,393	4,392	18,001	23,793	16,597	3,610	3,586	24,626	1,598
	14,667	61,422	16,411	4,099	12,312	23,004	15,740	3,286	3,978	19,852	2,249
	14,867	56,185	16,128	3,863	12,265	21,109	14,081	2,779	4,249	16,798	1,953
	15,094	56,907	17,471	3,727	13,744	22,138	14,583	2,799	4,756	14,993	2,257
	15,329	55,572	15,600	3,530	12,070	23,077	15,344	2,873	4,860	14,497	2,204
1935	15,488	48,905	14,950	3,494	11,456	19,785	12,778	2,689	4,268	11,799	1,226
	15,348	44,978	15,719	3,661	12,058	17,072	10,324	2,360	4,388	9,648	1,097
	14,207	40,511	16,457	4,202	12,255	14,078	7,496	2,267	4,315	7,368	1,506
	18,734	46,304	22,001	4,955	17,046	14,277	6,250	2,299	5,728	6,970	1,372
	21,654	59,017	29,307	5,757	23,550	15,686	6,011	2,434	7,241	10,017	2,526
1930	23,679	64,125	35,043	6,146	28,897	14,392	4,874	2,111	7,407	10,910	3,659
	24,970	62,442	36,114	6,313	29,801	13,683	4,872	1,955	6,856	9,004	2,394
	25,798	61,563	34,488	6,193	28,295	14,466	4,933	1,999	7,534	9,215	2,409
	26,650	58,973	32,932	5,992	26,940	13,165	4,494	1,912	6,759	9,901	2,890
	27,742	56,781	32,084	5,781	26,303	12,224	4,414	1,723	6,087	9,568	2,683
1925	28,442	54,401	30,222	5,273	24,949	11,755	4,454	1,527	5,774	9,663	2,755
	28,988	50,136	28,278	4,710	23,568	10,679	4,260	1,382	5,037	8,787	2,504
	29,829	47,332	27,397	4,243	23,154	10,325	4,604	1,182	4,539	7,377	1,677
	30,120	44,106	25,040	3,671	21,869	9,359	3,846	1,146	4,367	7,602	1,988
	30,456	43,669	26,386	3,354	23,032	8,360	3,262	1,043	4,055	6,771	1,665
1920	30,291	47,509	28,562	3,225	25,337	8,398	3,638	944	3,816	8,264	2,007
1919	29,147	42,462	22,814	2,609	20,205	9,521	4,864	947	3,710	8,061	1,737
1918	28,856	86,352	20,571	2,484	18,087	7,478	3,043	924	3,511	6,613	869
1917	28,298	32,802	18,581	2,395	16,186	5,837	1,300	863	3,674	7,010	768
1916	27,789	28,217	16,067	2,122	13,945	4,870	740	786	3,344	6,148	775
1915	27,390	24,106	13,834	1,960	11,874	4,156	767	663	2,726	5,092	434
1914	27,236	23,155	13,416	1,812	11,604	3,861	782	565	2,514	4,930	587
1918	26,664	22,056	12,820	1,809	11,011	3,697	770	536	2,391	4,681	490
1912	25,844	21,495	12,239	1,677	10,562	3,676	774	530	2,372	4,758	495
1911	25,183	20,820	11,455	1,513	9,942	3,431	742	466	2,223	4,672	519
1910	24,514	19,324	11,072	1,392	9,680	3,156	737	408	2,011	4,387	757
	23,098	18,145	10,015	1,199	8,816	3,153	733	412	2,008	4,340	565
	22,531	16,664	9,243	1,104	8,139	2,912	706	335	1,871	3,885	431
	21,361	16,862	9,810	1,111	8,699	2,744	616	316	1,812	3,706	487
	19,786	15,601	9,013	1,026	7,987	2,563	598	279	1,686	3,502	519
1905	18,152	14,542	8,220	870	7,350	2,523	571	286	1,666	3,321	445
	17,037	13,035	7,299	756	6,543	2,226	562	259	1,405	3,066	291
	15,814	12,190	7,052	698	6,354	2,016	542	223	1,251	2,706	345
	14,488	11,427	6,521	617	5,904	1,821	517	199	1,105	2,731	877
	13,424	10,572	5,835	545	5,290	1,676	525	190	961	2,740	521
1900	12,427	9,059	5,065	484	4,581	1,410	506	169	735	2,274	276
1899	11,835	8,489	4,718	446	4,272	1,207	435	157	615	2,264	339
1898	11,530	7,170	4,060	420	3,640	1,002	386	128	488	1,800	151
1897	11,438	6,475	3,701	417	8,284	886	358	113	415	1,604	153
1896	11,474	6,167	3,741	436	8,305	818	348	102	368	1,330	136

Series X 588-609. All Commercial Banks—Number of Banks and Principal Assets and Liabilities: 1896 to 1970—Con. [In millions of dollars]

		Assets—Con.					Liabi	lities			
	Cash-	-Con.	0.1			Deposits					
Year	Currency and coin	Bankers' balances 4	Other 5	Total	Interbank 6	U.S. Government	Other demand	Other time	National banknotes	Capital accounts	Other
	599	600	601	602	603	604	605	606	607	608	609
1970	7,142 6,802 5,220 4,879 5,267	40,252 87,845 36,705 33,896 31,970	21,966 18,892 14,322 12,462 11,300	2 436,650 2 429,277 397,275 362,486 340,598	24,515 28,647 19,521 17,608 16,337	8,309 6,021 5,324 5,467 11,275	196,477 196,840 180,541 163,325 155,941	207,349 202,769 191,889 176,090 157,044		41,905 89,002 35,923 38,419 31,485	2 56,877 2 52,968 27,377 19,532 16,339
1965	5,012	31,241	9,887	312,912	15,477	12,100	147,248	138,086		29,588	18,610
1964	4,571	29,903	8,742	286,133	14,468	10,544	140,968	120,153		26,861	10,355
1968	3,506	29,423	7,861	267,207	14,214	11,336	135,362	106,295		24,660	9,195
1962	3,204	28,858	6,945	246,149	13,583	9,870	130,379	92,317		23,254	7,808
1961	2,922	27,846	6,436	225,765	12,929	6,667	126,591	79,577		21,812	7,050
1960	3,277	29,039	5,354	214,425	12,719	6,684	126,615	68,408		20,392	8,456
1959	3,156	28,622	4,747	208,513	12,204	3,117	125,560	67,631		19,192	7,078
1958	8,076	29,684	4,505	205,500	12,514	9,561	119,296	64,129		18,293	5,390
1957	2,791	28,427	8,941	187,348	11,494	3,713	116,766	55,375		16,941	5,313
1956 *	2,321	29,196	3,315	187,299	12,368	5,632	117,854	51,446		16,027	8,520
1955	2,681	28,581	2,959	181,512	15,242	5,414	112,981	47,875		14,906	2,826
1954	2,659	30,029	2,632	174,065	15,497	5,892	106,995	45,681		14,038	2,478
1958	2,590	29,741	2,313	165,548	13,598	3,940	105,735	42,275		13,276	2,603
1952	2,396	29,688	2,277	162,365	13,512	6,118	103,402	39,333		12,599	2,453
1951	1,878	28,103	2,078	151,475	11,946	6,329	96,899	36,801		11,950	2,078
1950	1,829	24,628	1,873	143,845	11,435	3,799	91,882	36,729		11,889	1,630
1949	2,072	25,993	1,760	137,538	10,938	2,302	87,999	36,299		10,781	1,386
1948	2,103	26,027	1,775	138,162	11,435	2,178	88,754	35,795		10,284	1,353
1947	1,851	25,023	1,514	135,933	11,681	1,365	88,030	34,857		9,877	1,164
1946	1,510	25,655	1,518	143,042	12,309	13,413	84,824	32,496		9,392	1,073
1945	1,509	25,246	1,474	136,727	12,586	24,384	72,526	27,231		8,652	866
1944	1,503	22,033	1,556	116,235	11,201	19,511	64,254	21,269		8,011	785
1943	1,485	20,941	1,653	96,175	10,888	8,026	59,661	17,600		7,521	626
1942	1,334	20,819	1,752	72,394	10,278	1,837	44,611	15,668		7,254	628
1941	1,290	22,012	1,894	67,588	10,929	748	39,915	15,996		7,131	637
1940	1,037	21,991	1,992	60,246	10,168	824	33,646	15,608		6,960	598
1939	950	16,653	2,155	53,894	8,220	788	29,691	15,195		6,896	632
1938	936	13,909	2,150	48,814	6,838	596	26,387	14,993		6,770	601
1937	875	11,861	2,305	49,345	6,336	669	27,578	14,762		6,786	776
1936	945	11,348	2,398	48,118	6,903	1,144	26,096	13,975		6,703	751
1985	729	9,844	2,421	41,462	5,644	820	21,731	13,267	222	6,601	620
1934	642	7,909	2,539	36,810	4,581	1,735	17,796	12,698	695	6,625	848
1988	582	5,280	2,608	32,078	3,467	858	16,019	11,734	727	6,190	1,516
1982	715	4,883	3,056	35,658	3,323	433	17,111	14,791	649	7,484	2,513
1981	816	6,675	4,007	47,277	5,150	447	22,569	19,111	6 36	8,746	2,358
1980	799	6,452	3,780	51,267	5,129	298	25,648	20,192	649	9,818	2,891
1929	740	5,870	3,641	49,385	3,975	375	25,160	19,875	649	8,780	3,628
1928	768	6,038	3,394	49,582	4,282	274	24,857	20,169	649	7,968	3,364
1927	893	6,118	2,975	48,704	4,527	232	25,257	18,688	650	7,392	2,227
1926	911	5,974	2,905	46,952	4,289	235	24,993	17,435	651	7,021	2,157
1925	892	6,016	2,761	45,230	4,330	182	24,325	16,393	648	6,636	1,887
1924	855	5,428	2,392	41,348	4,247	185	22,069	14,842	729	6,420	1,644
1923	743	4,957	2,233	38,175	3,417	305	20,829	13,624	719	6,220	2,218
1922	776	4,838	2,105	35,532	3,353	158	20,106	11,915	725	6,044	1,805
1922	856	4,250	2,152	33,432	2,904	405	18,926	11,197	703	5,936	3,598
1920	1,012	5,245	2,285	36,682	3,729	261	21,571	11,121	688	5,599	4,540
1919	941	5,383	2,066	33,254	3,948	914	19,282	9,110	677	5,014	8,517
1918	865	4,879	1,690	28,708	3,718	1,541	15,747	7,702	681	4,742	2,221
1917	1,464	4,778	1,374	26,501	4,015	146	15,085	7,255	660	4,612	1,029
1916	1,463	3,910	1,132	22,613	3,510	39	12,917	6,147	676	4,367	561
1915	1,452	3,206	1,024	18,612	2,811	48	10,703	5,050	722	4,286	486
1914	1,615	2,728	948	17,806	2,720	66	10,306	4,714	722	4,169	458
1918	1,548	2,643	858	16,808	2,585	49	9,249	4,925	722	4,116	410
1918	1,559	2,704	822	16,455	2,636	58	9,217	4,544	709	3,955	876
1912	1,559	2,594	762	15,452	2,633	48	8,625	4,146	681	3,843	844
1910	1,421	2,209	709	14,644	2,304	54	8,566	3,720	675	3,694	311
1909	1,453	2,322	637	13,789	2,492	70	8,115	3,112	636	3,501	219
1908	1,351	2,103	624	12,425	2,213	130	7,381	2,701	613	3,364	262
1908	1,120	2,099	602	12,727	2,094	180	7,708	2,745	547	3,274	314
1907	1,036	1,947	523	11,791	1,908	89	7,403	2,391	511	3,060	239
1905	1,001	1,875	478	11,028	1,909	75	6,898	2,146	445	2,844	225
1904	1,014	1,761	444	9,739	1,756	110	6,057	1,816	399	2,727	170
1903	865	1,496	416	9,107	1,479	147	5,771	1,710	359	2,555	169
1902	862	1,492	354	8,713	1,498	124	5,541	1,550	309	2,266	139
1901	831	1,388	321	8,114	1,437	99	5,279	1,299	319	1,996	143
1900	756	1,242	310	6,792	1,261	99	4,345	1,087	265	1,878	124
1899	732	1,193	300	6,472	1,126	76	4,295	975	199	1,720	98
1898	701	948	308	5,175	872	53	3,431	819	190	1,701	104
1897	638	813	284	4,486	726	16	2,999	745	197	1,705	87
1896	550	644	278	4,142	571	15	2,844	712	199	1,730	96

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ Beginning 1948, figures for loan items are shown gross (i.e. before deduction of valuation reserves); they do not add to the totals in 1948–1968 and are not entirely comparable with prior figures. Total loans were shown as net prior to 1969.

² In 1969 and 1970, loans and securities are stated on a gross basis in "total assets" of commercial banks. Total reserves on loans and securities of commercial banks are included in "other liabilities."

Figures for member commercial banks exclude, and figures for noninsured nonmember commercial banks include, I member nondeposit trust company which is not insured by the Federal Deposit Insurance Corporation.
 Includes reserves.
 Beginning 1966, excludes corporate stocks, other than Federal Reserve bank stock, of national banks; reported with "other assets."
 Beginning 1966, includes domestic interbank deposits only. For 1961–1965, includes domestic interbank and postal savings deposits.

BANKING **X 610–633**

Series X 610-619. All Commercial Banks—Number of Banks and Total Assets, by Federal Reserve Membership and Class: 1896 to 1970

[As of June 30 or nearest available date]

	Member b	anks of the l	Federal Rese	erve System	Nonmem	ber banks	l I	Member b	anks of the	Federal Rese	erve System	Nonmem	ber banks
	Nation	al banks	State mem	ber banks 1		Assets		Nation	al banks	State mem	ber banks 1		Assets
Year	Number	Assets (mil. dol.)	Number	Assets (mil. dol.)	Number	(mil. dol.)	Year	Number	Assets (mil. dol.)	Number	Assets (mil. dol.)	Number	(mil. dol.)
	610	611	612	613	614	615		610	611	612	613	614	615
1970 1969 1968	4,638 4,701 4,742	2 314,334 2 307,019 266,259	1,166 1,236 1,296	² 117,209 ² 119,358 112,340	7,683 7,536 7,481	2 98,368 2 90,202 77,705	1942 1941 1940	5,101 5,130 5,164	44,584 41,228 36,816	1,543 1,423 1,234	25,353 23,620 21,030	7,709 7,881 8,136	10,340 10,508 9,958
1967 1966	4,780 4,811	242,685 226,050	1,327 1,382	100,220 95,767	7,426 7,366	69,011 63,091	1939 1938 1987	5,203 5,242 5,293	33,119 30,317 30,272 29,643	1,127 1,096 1,064	18,789 16,826 17,181	8,337 8,529 8,737	9,514 9,042 9,454
1965 1964 1963 1962	4,803 4,702 4,537 4,500	193,748 175,250 162,748 149,559	1,431 1,477 1,519 1,568	102,289 94,174 88,453 82,784	7,301 7,222 7,140 7,043	56,758 51,659 47,607 42,787	1936 1985 1934	5.417	29,643 26,009 23,854	1,032 985 958	16,881 14,710 13,529	8,929 9,078 8,973	9,048 8,186 7,595
1961	4,524 4,542	137,299 131,433 126,255	1,615 1,672 1,717	76,405 72,713 70,980	6,997 6,933 6,821	38,928 37,183 35,252	1933 1932 1931	4,897 6,145 6,800	20,813 22,318 27,430	709 835 982	12,226 13,538 17,406	8,601 11,754 13,872	7,472 10,448 14,181
1959 1958 1957 1957	4 599	122,100 112,460 110,703	1,754 1,794 1,828	71,874 64,019 64,090	6,791 6,770 6,734	32,650 30,703 29,460	1930 1929 1928	7,247 7,530 7,685	28,828 27,260 28,265	1,068 1,177 1,244	18,521 18,194 16,390	15,364 16,263 16,869	16,776 16,988 16,908
1955 1954 1953	4,743 4,834 4,874	107,736 108,607 103,418	1,864 1,883 1,888	61,919 53,568 50,817	7,173 7,219 7,243	29,589 28,406 27,192	1927 1926 1925	7,790 7,972 8,066	26,455 25,202 24,252	1,309 1,403	16,144 15,436 14,694	17,551 18,367 18,904	16,374 16,143 15,455
1952 1951 1950	4,925 4,946 4,971	101,253 94,394 89.691	1,887 1,910	50,266 47,199 44,033	7,257 7,251 7,264	25,898 23,910 23,190	1924 1923 1922 1921	8,080 8,236 8,244 8,150	22,525 21,454 20,633 20,475	1,570 1,620 1,648 1,595	13,192 12,212 10,960 10,375	19,338 19,973 20,228 20,711	14,419 13,666 12,513 12,820
1949 1948 1947	4,987 4,998 5,012	84,853 85,081 83,149	1,913 1,924 1,913	42,388 42,199 41,630	7,251 7,267 7,257	22,464 22,519 22,195	1920 1919	8,024 7,779	23,267 21,105	1,374 1,042	10,351 8,629	20,893 20,326	13,891 12,727
1946 1945 1944 1943	5,012 5,015 5,036 5,060	85,698 81,491 70,143 58,783	1,872 1,822 1,734 1,640	45,686 44,930 38,528 32,028	7,268 7,289 7,368 7,497	22,123 19,824 16,360 13,511	1918 1917 1916 1915	7,699 7,599 7,571 7,597	18,262 16,231 13,920 11,790	513 53 34 17	6,104 756 307 97	20,644 20,646 20,134 19,776	11,987 15,815 13,990 12,219

	Nations	ıl banks	State	banks		Nations	l banks	State	banks
Year	Number	Assets (mil. dol.)	Number	Assets (mil. dol.)	Year	Number	Assets (mil. dol.)	Number	Assets (mil. dol.)
	616	617	618	619		616	617	618	619
1914 1913 1912 1911 1910	7,518 7,467 7,866 7,270 7,138 6,886	11,477 11,032 10,857 10,378 9,892 9,365	19,718 19,197 18,478 17,913 17,376 16,212	11,679 11,024 10,638 9,941 9,432 8,780	1905 1904 1903 1902 1901	5,664 5,330 4,935 4,532 4,163 3,731 3,582	7,325 6,653 6,285 6,007 5,674	12,488 11,707 10,879 9,956 9,261 8,696 8,258	7,217 6,382 5,905 5,420 4,897 4,115 3,780
1908 1907 1906	6,886 6,817 6,422 6,047	8,710 8,472 7,781	15,714 14,939 13,739	7,954 8,390 7,820	1899 1898 1897 1896	3,582 3,581 3,610 3,689	4,709 8,978 3,563 3,354	8,253 7,949 7,828 7,785	3,780 3,193 2,912 2,813

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ For the period June 1941 through June 1962, member banks include mutual savings banks as follows: 3 before Jan. 1960, 2 through Dec. 1960, and 1 through June 1962; and

Series X 620-633. All Banks—Number of Banks and Total Assets, by Deposit Insurance Status and Class: 1934 to 1970

[As of June 30 or nearest available date. Includes data for U.S. outlying areas]

		All b	anks				Commerc	ial banks 1			Mutual savings banks 13					
	Inst	ured	Nonii	nsured		Inst	ıred		Nonii	nsured	Insured		Nonia	nsured		
Year							Member banks ²		Nonmember banks		nonmember					
	Number	Assets (mil. dol.)	Number	Assets (mil. dol.)	Number	Assets (mil. dol.)	Number	Assets (mil. dol.)	Number	Assets (mil. dol.)	Number	Assets (mil. dol.)	Number	Assets (mil. dol.)		
	620	621	622	623	624	625	626	627	628	629	630	631	632	633		
1970 1969 1968 1967 1966	13,818 13,806 13,851 18,867 13,891	3 596,027 3 580,323 516,434 467,727 436,359	369 388 394 400 437	15,278 14,219 13,172 11,863 11,429	5,804 5,937 6,038 6,107 6,193	431,543 426,377 378,599 342,905 321,817	7,683 7,536 7,481 7,426 7,366	98,368 90,202 77,705 69,011 63,091	203 221 224 229 262	5,021 4,664 4,271 3,520 3,465	331 333 332 334 332	66,116 63,745 60,130 55,810 51,452	166 167 170 171 175	10,257 9,555 8,901 8,348 7,964		
1965 1964 1963	13,862 13,728 13,527	401,601 366,106 340,389	448 461 479	10,891 9,243 8,694	6,234 6,179 6,056	296,037 269,425 251,201	7,301 7,222 7,140	56,758 51,659 47,607	270 281 298	3,315 2,266 2,254	327 327 331	48,806 45,022 41,580	178 180 181	7,57 7 6,978 6,441		

in 1955–1970, they include 1 nondeposit trust company which is not insured by the Federal Deposit Insurance Corporation. ² In 1969 and 1970, loans and securities are stated on a gross basis in "total assets" of commercial banks.

Series X 620-633. All Banks—Number of Banks and Total Assets, by Deposit Insurance Status and Class: 1934 to 1970—Con.

		All b	anks				Commerc	ial banks 1				Mutual savi	nga banka 12	
	Ins	ured	Noni	nsured		Inst	ıred		Nonir	sured	Ins	ured	Nonir	nsured
Year					Membe	r banks ²	Nonmem	ber banks	nonm	ember				
	Number	Assets (mil. dol.)	Number	Assets (mil. dol.)	Number	Assets (mil. dol.)	Number	Assets (mil. dol.)	Number	Assets (mil. dol.)	Number	Assets (mil. dol.)	Number	Assets (mil. dol.)
	620	621	622	623	624	625	626	627	628	629	630	631	632	633
1962	13,442	313,496	505	8,134	6,068	232,343	7,043	42,787	323	2,081	331	38,366	182	6,052
1961	13,461	288,706	528	7,740	6,139	213,704	6,997	38,928	338	1,995	325	36,074	190	5,744
1960	13,415	273,540	604	9,331	6,214	204,146	6,933	37,183	356	1,944	268	32,211	248	7,387
1959	13,348	263,714	663	9,594	6,276	197,234	6,821	35,252	395	2,295	251	31,228	268	7,299
1958	13,383	255,645	712	10,216	6,353	193,974	6,791	32,650	430	2,558	239	29,021	282	7,657
1957	13,445	233,423	739	10,432	46,441	4176,479	6,770	30,703	4447	42,419	284	26,241	292	8,018
1956	13,449	228,524	798	10,743	46,495	4174,793	6,734	29,460	4490	42,593	220	24,271	308	8,150
1955	13,505	220,327	845	10,359	46,607	4 169,660	6,680	27,906	4 534	42,738	218	22,761	311	7,621
1954	13,619	209,880	888	10,038	6,718	162,179	6,682	26,464	578	2,960	219	21,237	310	7,078
1953	13,648	199,176	926	9,579	6,762	154,235	6,673	25,351	610	2,836	213	19,590	316	6,743
1952	13,655	193,222	983	9,547	6,812	151,519	6,638	23,820	658	3,052	205	17,888	325	6,495
1951	13,652	179,946	1,026	9,309	6,856	141,592	6,595	21,759	697	3,069	201	16,595	329	6,240
1950	13,641	170,364	1,077	9,679	6,882	133,724	6,567	20,977	738	3,090	192	15,663	339	6,589
1949	13,614	161,888	1,109	9,788	6,900	127,241	6,523	19,975	769	3,355	191	14,672	340	6,433
1948	13,613	161,177	1,154	9,805	6,922	127,280	6,498	19,964	814	3,485	193	13,933	340	6,220
1947	13,582	157,542	1,179	9,747	6,925	124,779	6,466	19,594	836	3,554	191	13,169	343	6,193
1946	13,526	162,881	1,203	9,646	6,884	131,384	6,451	19,359	860	3,763	191	12,138	343	5,883
1945	13,474	154,115	1,228	9,010	6,837	126,421	6,445	17,036	885	3,744	192	10,658	343	5,266
1944	13,461	131,766	1,254	7,894	6,770	108,671	5,499	13,976	909	3,203	192	9,119	345	4,691
1943	13,363	105,414	1,411	11,927	6,700	90,811	6,602	11,594	934	2,529	61	3,009	477	9,398
1942	13,456	80,765	1,474	11,582	6,644	69,937	6,759	8,772	988	1,983	53	2,056	486	9,599
1941	13,479	74,976	1,540	12,679	6,553	64,848	6,873	8,149	1,051	2,689	53	1,979	489	9,990
1940	13,534	67,187	1,585	12,825	6,398	57,846	7,085	7,756	1,098	2,485	51	1,585	492	10,840
1939	13,621	60,832	1,630	12,604	6,330	51,908	7,242	7,531	1,135	2,226	49	1,393	495	10,378
1938	13,783	55,520	1,676	12,449	6,338	47,144	7,389	7,239	1,179	2,041	56	1,137	497	10,408
1937	13,943	56,047	1,744	12,585	6,357	47,452	7,530	7,456	1,247	2,228	56	1,139	497	10,357
1936	14,121	54,718	1,807	12,343	6,400	46,524	7,665	7,072	1,307	2,182	56	1,122	500	10,161
1935	14,242	48,468	1,849	11,672	6,410	40,719	7,769	6,554	1,352	1,821	63	1,195	497	9,851
1934	14,150	50,946	1,807	5,149	6,375	37,383	7,540	6,066	1,476	1,708	235	7,497	331	3,441

³ In 1969 and 1970, loans and securities are stated on a gross basis in "total assets" of commercial banks. Total loans were shown as net prior to 1969.
⁴ Figures for member commercial banks exclude, and figures for noninsured nonmember commercial banks include, 1 member nondeposit trust company which is not insured by the Federal Deposit Insurance Corporation.

Series X 634-655. National Banks—Number of Banks and Principal Assets and Liabilities: 1863 to 1970 [In millions of dollars, except number of banks. As of June 30 or nearest available date]

							Assets				
	Number of	Total assets or		Loans 1			Inves	tments		Cı	ısh
Year	banks	liabilities	Total	Real estate	Other	Total 2	U.S. Government obligations	Obligations of States and political subdivisions	Other 3	Total	Cash items in process of collection
	634	635	636	637	638	639	640	641	642	643	644
1970 1969 1968 1967 1966	4,638 4,701 4,742 4,780 4,811	4 314,334 4 307,019 266,259 242,685 226,050	4 177,211 4 171,505 144,272 133,161 125,212	40,846 39,930 34,565 31,343 29,407	136,364 131,574 112,587 104,475 98,265	471,526 471,441 68,558 62,614 57,212	28,212 29,489 31,627 29,544 28,891	37,064 35,651 30,646 27,660 23,975	6,250 6,301 6,286 5,409 4,346	52,001 52,344 44,830 39,490 36,794	22,872 25,741 20,055 16,450 13,967
1965 1964 1963 1962 1961	4,803 4,702 4,537 4,500 4,524	193,748 175,250 162,748 149,559 137,299	103,377 89,469 78,383 69,771 63,440	25,407 22,806 20,064 17,542 15,838	80,024 68,437 59,996 53,697 48,950	53,612 51,729 51,763 49,470 45,403	30,230 31,560 34,011 34,508 33,522	20,403 17,527 15,174 12,809 10,124	2,979 2,642 2,577 2,153 1,757	31,595 29,511 28,641 26,860 25,274	11,565 10,354 10,206 8,902 8,063
1960 1959 1958 1957 1956 * *	4,542 4,559 4,599 4,647 4,667	131,433 126,255 122,100 112,460 110,703	62,398 55,816 50,744 48,415 45,860	15,278 14,505 12,685 12,022 11,552	48,346 42,408 39,054 37,276 35,038	39,912 44,166 45,154 39,495 39,595	29,298 33,152 34,498 30,345 30,555	8,984 9,072 8,347 7,243 7,079	1,630 1,942 2,309 1,907 1,961	26,380 23,835 23,964 22,525 23,545	8,267 6,331 5,918 5,187 6,175
1955	4,834 4,874	107,736 108,607 103,418 101,253 94,394	39,422 37,671 36,420 33,054 30,479	10,366 9,109 8,443 7,785 7,224	29,646 29,136 28,517 25,763 23,664	43,890 44,808 41,429 42,982 40,535	34,671 35,757 32,958 34,604 32,965	7,011 6,941 6,209 5,800 4,959	2,208 2,110 2,262 2,578 2,611	22,890 24,635 24,279 23,927 22,198	5,405 5,489 5,547 5,271 4,616

¹Comparability of figures for classes of banks is affected somewhat by changes in Federal Reserve System membership, deposit insurance status, and reserve classifications of cities and individual banks, and by mergers, etc.

²Member commercial banks exclude, and mutual savings banks include, mutual savings banks which are members of the Federal Reserve System as follows: 3 from 1941 through 1959, 2 in 1960, and 1 in 1961–1970.

BANKING X 634-644

Series X 634-655. National Banks—Number of Banks and Principal Assets and Liabilities: 1863 to 1970—Con.
[In millions of dollars, except number of banks]

							Assets				
	Number of	Total assets or		Loans 1			Inves	tments		Ca	ısh
Year	banks	liabilities	Total	Real estate	Other	Total ²	U.S. Government obligations	Obligations of States and political subdivisions	Other	Total	Cash items in process of collection
	634	635	636	637	638	639	640	641	642	643	644
1950 1949 1948 1947	4,971 4,987 4,998 5,012 5,012	89,691 84,853 85,081 83,149 85,698	24,591 22,505 22,243 18,764 14,469	6,335 5,677 5,250 4,215 2,740	18,593 17,089 17,192 15,449 11,729	44,132 41,012 41,395 44,218 51,809	37,548 35,487 36,092 39,271 47,271	4,288 3,406 3,204 2,898 2,451	2,296 2,119 2,099 2,049 2,087	19,914 20,324 20,415 19,341 18,607	4,334 3,692 3,829 3,558 3,004
1945		81,491	12,369	2,077	10,292	50,808	47,051	2,196	1,561	17,544	2,184
1944		70,143	11,213	2,032	9,181	42,130	38,640	2,029	1,461	15,998	2,509
1943		58,783	9,173	2,129	7,044	33,632	30,102	2,022	1,508	15,154	2,258
1942		44,584	10,880	2,237	8,643	18,584	14,878	1,956	1,750	14,274	1,671
1941		41,228	10,897	2,712	8,725	14,922	11,111	2,016	1,795	14,496	1,512
1940	5,164	36,816	9,156	1,993	7,163	12,882	9,094	1,926	1,862	13,857	980
	5,203	33,119	8,553	1,821	6,732	12,528	8,753	1,691	2,084	11,061	1,257
	5,242	30,317	8,316	1,621	6,695	11,618	7,973	1,424	2,221	9,438	1,107
	5,293	30,272	8,797	1,503	7,294	12,097	8,206	1,462	2,429	8,365	1,284
	5,368	29,643	7,749	1,367	6,382	12,459	8,435	1,535	2,489	8,368	1,236
1935	5,425	26,009	7,353	1,293	6,060	10,698	7,164	1,396	2,138	6,857	689
1934	5,417	23,854	7,681	1,326	6,355	9,331	5,847	1,225	2,259	5,688	633
1933	4,897	20,813	8,102	1,322	6,780	7,358	4,026	1,158	2,174	4,110	764
1932	6,145	22,318	10,265	1,612	8,653	7,183	3,347	1,114	2,722	3,480	692
1931	6,800	27,430	13,162	1,580	11,582	7,662	3,251	1,107	3,304	4,988	1,262
1930	7,247	28,828	14,874	1,468	13,406	6,875	2,748	893	3,234	5,408	1,808
	7,530	27,260	14,805	1,412	13,393	6,651	2,801	838	3,012	4,279	1,228
	7,685	28,265	14,921	1,285	13,636	7,141	2,888	839	3,414	4,738	1,412
	7,790	26,455	13,849	1,062	12,787	6,388	2,593	743	3,052	4,978	1,635
	7,972	25,202	13,322	725	12,597	5,837	2,466	647	2,724	4,788	1,568
1925	8,066	24,252	12,592	636	11,956	5,701	2,512	594	2,595	4,789	1,605
	8,080	22,525	11,955	535	11,420	5,103	2,446	505	2,152	4,455	1,468
	8,236	21,454	11,778	463	11,315	5,027	2,655	401	1,971	3,660	1,023
	8,244	20,633	11,191	371	10,820	4,514	2,240	414	1,860	3,969	1,251
	8,150	20,475	11,976	280	11,696	3,919	1,917	393	1,609	3,585	1,106
1920	8,024	23,267	13,499	230	13,269	4,048	2,187	338	1,573	4,493	1,406
1919	7,779	21,105	10,903	184	10,719	4,809	2,941	322	1,546	4,395	1,183
1918	7,699	18,262	10,077	185	9,892	3,836	2,025	320	1,491	3,570	598
1917	7,599	16,231	8,936	185	8,751	2,961	1,043	315	1,603	3,739	530
1916	7,571	13,920	7,767	161	7,606	2,319	703	278	1,338	3,352	522
1915	7,597	11,790	6,663	151	6,512	2,025	749	245	1,031	2,695	250
1914	7,518	11,477	6,443	114	6,329	1,870	764	176	930	2,770	358
1913	7,467	11,032	6,160	77	6,083	1,845	752	175	918	2,659	295
1912	7,366	10,857	5,972	75	5,897	1,822	745	179	898	2,714	295
1911	7,270	10,378	5,632	65	5,567	1,724	717	164	843	2,691	317
1910	7,138	9,892	5,454	65	5,389	1,575	712	149	714	2,549	483
	6,886	9,365	4,986	57	4,929	1,594	705	157	732	2,496	338
	6,817	8,710	4,639	52	4,587	1,518	679	105	784	2,264	271
	6,422	8,472	4,662	52	4,610	1,361	587	93	681	2,157	306
	6,047	7,781	4,236	47	4,189	1,240	562	78	600	2,071	345
1905	5,664	7,325	3,928	41	3,887	1,204	527	76	601	1,982	296
1904	5,330	6,653	3,625	38	3,587	1,091	514	67	510	1,740	172
1903	4,935	6,285	3,441	37	3,404	1,025	486	63	476	1,633	250
1902	4,532	6,007	3,246	35	3,211	945	460	57	428	1,685	269
1901	4,163	5,674	2,980	31	2,949	885	450	51	384	1,681	326
1900	3,731	4,944	2,644	26	2,618	775	418	41	316	1,400	180
	3,582	4,709	2,508	24	2,484	652	346	36	270	1,428	229
	3,581	3,978	2,164	20	2,144	555	304	29	222	1,129	112
	3,610	3,563	1,978	18	1,960	484	279	24	181	982	101
	3,689	3,354	1,972	18	1,954	464	274	22	168	801	89

Series X 634-655. National Banks—Number of Banks and Principal Assets and Liabilities: 1863 to 1970—Con.
[In millions of dollars, except number of banks]

· · · · · · · · · · · · · · · · · · ·		Assets—Con.	1		·· • • • • • • • • • • • • • • • • • •		Liabi	ilities	•	•·	
	Cash-	-Con.				Deposits					
Year	Currency and coin	Bankers' balances (including reserves)	Other 3	Total	Interbank 7	U.S. Government	Other demand	Other time	National banknotes	Capital accounts	Other
	645	646	647	648	649	650	651	652	653	654	655
1970 1969 1968 1967 1966		24,978 22,966 21,807 20,275 19,841	13,597 11,728 8,599 7,419 6,832	255,819 252,680 229,772 211,781 198,814	14,106 13,595 11,831 11,143 10,246	5,207 3,734 3,021 3,381 6,954	114,841 114,540 103,335 94,091 89,559	121,666 120,811 111,585 103,117 91,556		24,113 22,635 20,503 19,098 18,021	4 34 ,402 4 31 ,704 15 ,984 11 ,856 9 ,715
1965		17,307 16,691 16,568 16,271 15,720	5,164 4,541 8,962 3,458 8,182	171,528 155,978 145,513 183,728 122,485	8,838 8,154 8,183 7,823 7,463	6,903 5,989 6,203 5,630 3,749	79,494 75,823 72,800 69,661 67,952			15,853 14,262 13,008 12,243 11,439	6,367 5,010 4,226 3,588 3,375
1960 1959 1958 1957 1956 ⁵ *		16,448 15,901 16,501 15,950 16,208	2,744 2,438 2,238 2,026 1,708	116,178 112,659 110,065 100,989 100,826	7,490 7,344 7,383 6,854 7,364	3,770 1,755 4,941 2,014 3,167	67,765 66,975 63,417 62,305 62,655	27,640		10,686 10,041 9,451 8,722 8,232	4,569 3,555 2,584 2,750 1,645
1955		16,121 17,777 17,396 17,417 16,614	1,584 1,493 1,290 1,290 1,182	98,631 99,358 94,475 92,719 86,589	8,314 9,750 8,594 8,584 7,625	3,099 3,576 2,434 3,629 3,870	60,917 60,826 60,186 58,862 55,014	26,301 25,206 23,261 21,644 20,080		7,714 7,686 7,220 6,879 6,504	1,391 1,563 1,723 1,655 1,301
1950 1949 1948 1947 1946		14,634 15,555 15,481 14,817 14,815	1,054 1,012 1,028 826 818	82,430 78,219 78,753 77,146 80,212	7,362 6,945 7,305 7,432 7,816	2,363 1,417 1,327 843 7,648	52,748 50,130 50,680 49,932 47,356	19,957 19,727 19,441 18,939 17,392		6,180 5,815 5,538 5,296 4,862	1,081 819 795 707 624
1945 1944 1943 1942 1941		14,559 12,686 12,103 11,888 12,281	770 802 824 846 913	76,534 65,585 54,590 40,533 37,273	8,251 7,402 7,156 6,497 6,589	13,138 10,746 4,542 1,146 516	40,638 36,214 33,715 24,737 21,812	14,507 11,228 9,177 8,153 8,356		4,461 4,101 3,816 3,671 3,590	496 457 377 380 365
1940 1939 1938 1937 1936		12,302 9,277 7,806 6,640 6,604	921 977 945 1,018 1,067	33,014 29,416 26,763 26,716 26,153	6,083 4,881 4,210 3,790 4,167	537 500 392 377 690	18,189 15,999 14,210 14,785 13,786	8,205 8,036 7,951 7,764 7,510		3,468 3,382 3,266 3,205 3,160	334 321 288 351 330
1985		5,766 4,705 3,060 2,452 3,359	1,101 1,154 1,243 1,390 1,618	22,477 19,896 16,742 17,428 22,164	3,410 2,767 2,000 1,814 2,862	435 887 448 212 234	11,517 9,469 8,141 8,196 10,653	7,115 6,778 6,153 7,206 8,415	222 695 727 649 636	3,080 2,995 2,850 3,274 3,749	230 268 494 967 881
1930 1929 1928 1927 1926	340 297 314 363 359	3,260 2,754 3,012 2,980 2,861	1,671 1,525 1,465 1,240 1,255	23,235 21,586 22,645 21,778 20,644	2,850 2,219 2,701 2,820 2,864	170 226 184 188 143	11,682 10,908 11,466 11,507 11,325	8,533 8,233 8,294 7,313 6,312	649 649 649 650 651	3,969 3,672 3,569 3,237 3,088	975 1,353 1,402 790 819
1925 1924 1923 1922 1921	359 345 290 325 373	2,825 2,642 2,347 2,393 2,056	1,170 1,012 989 959 1,045	19,912 18,349 16,899 16,323 15,142	2,855 2,794 2,384 2,482 2,132	106 121 191 102 247	11,028 10,175 9,570 9,628 9,068	5,923 5,259 4,754 4,111 3,695	648 729 719 725 704	2,969 2,915 2,874 2,847 2,795	728 582 962 738 1,834
1920 1919 1918 1917 1916	449 424 382 752 818	2,638 2,788 2,590 2,457 2,012	1,227 998 779 595 482	17,159 15,935 14,015 12,767 10,872	2,824 2,974 2,796 3,025 2,713	174 565 1,086 133 39	10,676 9,612 7,840 7,430 6,391	3,485 2,784 2,343 2,179 1,729	688 677 681 660 675	2,621 2,362 2,249 2,197 2,102	2,799 2,181 1,817 607 271

BANKING X 645-655

Series X 634-655. National Banks—Number of Banks and Principal Assest and Liabilities: 1863 to 1970—Con. [In millions of dollars, except number of banks]

			Assets	Con.							Lial	oilities					
		Ca	sh—Con.						Depo	sits							
Year	r	Currency and coin	/ bala (incl	kers' nces uding rves)	Other	То	tal	Interbank 7	U.S Govern		Other demand	Othe	er 1	National banknotes	Capita accoun		Other
		645	6	46	647	64	18	649	650)	651	652		653	654		655
1915 1914 1913 1912 1911		96 99 99	22 38 96	1,588 1,390 1,396 1,423 1,376	407 394 368 349 331		8,817 8,560 8,140 8,061 7,673	2,208 2,186 2,120 2,178 2,147		48 66 49 58 48	5,235 5,107 4,603 4,611 4,394	1 1	,326 ,201 ,368 ,214 ,084	722 722 722 708 681	1,	105 049 045 983 982	146 146 125 105 92
1910 1909 1908 1907 1906		86 99 81 72 61	26 39 21	1,201 1,232 1,104 1,130 1,045	314 289 289 292 234		7,254 6,932 6,328 6,188 5,691	1,900 2,037 1,823 1,686 1,545		54 70 130 180 90	4,286 4,082 3,850 3,890 3,766	1	,014 743 525 432 290	675 636 613 547 511	1,	850 728 667 603 490	113 69 102 184 89
1905 1904 1903 1902		55 55	79 89 81 97 87	1,007 879 802 819 788	211 197 186 131 128		5,406 4,834 4,561 4,467 4,249	1,547 1,412 1,212 1,243 1,207		75 110 147 124 99	3,538 3,113 3,026 2,945 2,811		246 199 176 155 132	445 399 359 309 319	1, 1, 1,	406 349 285 184 062	68 71 80 47 44
1900 1899 1898 1897 1896 6		5 4 4	29 12 93 35 53	691 687 524 446 349	128 127 130 119 117		3,621 3,539 2,799 2,386 2,141	1,063 933 720 597 454		99 76 53 16 16	2,361 2,443 1,943 1,700 1,603		98 87 83 73 68	265 199 190 196 199		014 947 955 962 983	44 24 34 19 31
	Numbe	er Total		Assets	8		Numb	per Total		Asse	ts		Numbe	r Total		Assets	
Year	of bank	assets or	Total loans 1	Total invest ments	- cash	Year	of bank		Total loans 1	Total investment	t- cash	Year	of banks	assets or liabilities	Total loans 1	Total invest- ments	
	634	635	636	639	643		634	635	636	639	643		634	635	636	639	643
1896 8 1895 1894 1893	3,68 3,71 3,77 3,80 3,75	5 3,471 0 3,422 7 3,213 9 3,494	1,972 2,017 1,944 2,021 2,128	464 44' 43! 35' 34'	7 894 5 935 7 733 7 919	1885 1884 1883 1882 1881	2,6 2,6 2,4 2,2 2,1	25 2,283 17 2,365	1,258 1,270 1,286 1,209 1,145	48 44 46 47 48	19 488 35 541 71 598	1874 1873 1872 1871	1,983 1,968 1,853 1,728	1,851 1,771 1,703	926 926 872 789	451 445 450 456	439 412 422
1890 1889 1888 1887 1886	3,65 3,48 3,23 3,12 3,01 2,80	3,062 9 2,938 0 2,731 2,637	1,964 1,934 1,779 1,628 1,560 1,399	309 31 329 350 329 40°	730 3 757 6 671 9 677	1880 1879 1878 1877 1876 1875	2,0° 2,0° 2,0° 2,0° 2,0° 2,0°	48 2,020 56 1.751	995 836 835 902 934 973		15 398 30 388 31 371 400	1870 1869 1868 1867 1866 1865 1864	1,612 1,619 1,640 1,636 1,634 1,294 467	1,564 1,572 1,494 1,476 1,127 252	719 686 656 589 550 362 71 6	453 466 507 522 468 9 394 9 93	382 384 361 439 344 86
			Liabili	ties				<u> </u>	Liabili	ties		<u>. </u>			Liabili	ties	<u> </u>
Year	-	Total deposits	Natio bankn		Capital accounts	Yea	ır	Total deposits	Natio bankno		Capital accounts	Yea	r	Total deposits	Nation bankno		Capital accounts
		648	653		654			648	653		654			648	653		654
1896 8 1895 1894	-	2,141 2,279 2,228		199 179 172	983 987 1,001	1885 1884 1883 1882		1,420 1,233 1,337 1,365		269 295 312 309 312	725 739 707 660	1873 1872 1871		836 805 791 706		339 327 308 291	662 626 594 562
1893 1892 1891 1890 1889		1,939 2,327 1,974 1,979 1,920		155 141 124 126 129	1,029 1,011 988 935 875	1881 1880 1879 1878 1877		1,364 1,085 1,090 814 818		318 307 300 290	642 625 615 629 656	1869 1868 1867 1866		716 745 685 695		293 295 292 268	549 530 512 494
1888 1887 1886		1,716 1,650 1,459		155 167 245	842 806 760	1876 1875 1874	·	842 897 828		294 318 339	679 687 676	1865 1864 1863		614 147 10		132 • 26	380 79 7

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ Beginning in 1948, figures for loan items are shown gross (i.e. before deduction of valuation reserves); they do not add to the total in 1948-1968 and are not entirely comparable with prior figures. Total loans were shown as net prior to 1969.

² Before 1903, includes securities borrowed.
³ Beginning 1966, other investments exclude corporate stocks, other than Federal Reserve bank stock, of national banks; reported with "other assets."

⁴ In 1969 and 1970, loans and securities are stated on a gross basis in "total assets" of commercial banks. Total reserves on loans and securities of commercial banks are included in "other liabilities."

⁵ Excludes one national bank in Alaska.
⁶ Comparable with later data.
⁷ Beginning 1966, includes domestic interbank deposits only; for 1961–1965, includes domestic interbank and postal savings deposits. Prior to 1966, includes deposits of foreign banks.
⁸ Comparable with earlier data.
⁹ U.S. Government securities only.
¹⁰ Includes State banknotes outstanding.

Series X 656-677. Nonnational Banks—Number of Banks and Principal Assets and Liabilities: 1863 to 1970
[In millions of dollars, except number of banks. As of June 30 or nearest available date]

				-			Assets	<u> </u>			
	Number of	Total assets or		Loans 1			Inves	tments		Ca	ash
Year	banks	liabilities	Total	Real estate	Other	Total	U.S. Government obligations	Obligations of States and political subdivisions	Other 2	Total	Cash items in process of collection
	656	657	658	659	660	661	662	663	664	665	666
1970	9,549	³ 296,971	3 181,222	87,325	94,030	3 71,196	27,453	27,359	16,383	34,816	15,726
1969	9,493	³ 287,523	3 171,902	83,992	88,042	3 70,168	28,985	26,115	15,068	37,019	18,734
1968	9,503	263,347	156,109	79,195	79,007	68,608	31,383	22,352	14,872	31,691	13,674
1967	9,487	236,905	143,375	73,281	71,996	60,480	29,147	19,576	11,758	26,907	10,110
1966	9,517	221,738	135,802	68,783	68,871	56,108	29,850	17,011	9,247	24,358	9,044
1965	9,507	218,745	129,407	63,608	67,606	57,022	32,509	16,572	7,940	26,646	9,455
	9,487	200,099	114,523	57,041	59,194	55,770	33,912	14,364	7,494	24,736	8,563
	9,469	186,335	102,015	51,183	52,408	56,129	35,831	13,149	7,150	23,558	8,233
	9,447	172,070	90,938	45,290	47,079	54,114	36,320	10,980	6,814	22,868	7,942
	9,465	159,146	83,233	41,560	42,973	50,780	34,680	9,330	6,769	21,267	6,908
1960	9,477	151,439	79,438	38,943	41,722	47,279	32,316	8,540	6,423	21,576	6,638
	9,452	147,054	72,327	36,353	37,114	51,912	36,405	8,707	6,800	19,981	4,957
	9,496	148,761	67,736	33,344	35,464	52,605	37,381	8,160	7,064	20,664	5,069
	9,587	131,396	63,707	31,096	33,595	46,819	34,456	6,824	5,538	18,489	3,803
	9,580	128,564	60,226	29,047	32,023	46,293	34,611	6,577	5,104	19,995	4,973
1955	9,565	121,890	51,931	25,585	27,085	49,007	87,275	6,429	5,303	19,123	4,394
1954	9,630	110,289	43,554	21,999	22,157	47,307	36,767	5,522	5,018	17,920	3,422
1953	9,659	104,342	40,697	19,900	21,373	44,536	35,151	4,702	4,683	17,745	3,307
1962	9,673	100,542	36,688	17,788	19,438	44,804	36,180	4,278	4,346	17,741	3,384
1961	9,690	93,944	33,362	16,057	17,857	43,366	35,761	3,636	3,969	16,038	2,823
1950	9,705	89,474	27,410	13,405	14,505	46,830	39,774	3,189	3,867	14,187	2,509
	9,694	85,957	24,573	11,520	13,476	45,782	39,392	2,599	3,791	14,648	2,429
	9,723	84,971	22,857	10,340	12,870	46,587	40,682	2,464	3,441	14,585	2,225
	9,703	83,187	19,601	8,696	10,905	48,511	43,402	2,131	2,978	14,208	2,290
	9,673	85,831	17,087	7,386	9,651	53,354	48,698	1,722	2,934	14,556	2,264
1945	9,645	80,678	15,627	6,663	8,964	50,916	46,657	1,684	2,575	18,196	1,228
1944	9,638	68,699	14,222	6,765	7,457	41,199	87,135	1,599	2,465	12,197	1,627
1943	9,674	57,946	13,075	7,026	6,049	32,042	27,672	1,729	2,641	11,542	1,302
1942	9,790	47,346	14,183	7,380	6,803	20,370	15,442	1,996	2,982	11,321	1,030
1941	9,845	46,096	14,376	7,427	6,949	17,745	12,448	2,190	3,107	12,289	1,015
1940	9,912	42,913	13,155	7,234	5,921	16,158	10,611	2,235	3,312	11,746	627
	10,007	40,074	12,747	7,090	5,657	15,811	10,026	2,241	3,544	9,489	999
	10,177	37,413	12,717	7,068	5,649	14,649	8,788	2,059	3,802	7,936	851
	10,353	38,130	13,638	7,107	6,531	15,115	8,727	2,130	4,258	7,155	978
	10,516	37,211	12,891	7,120	5,771	15,398	8,957	2,111	4,330	6,670	972
1985	10,622	33,942	12,887	7,398	5,489	13,478	7,152	2,159	4,167	5,461	541
	10,496	32,061	13,628	7,815	5,813	11,931	5,461	2,031	4,439	4,470	469
	9,874	30,546	14,235	8,632	5,603	10,767	4,203	2,020	4,544	3,683	746
	13,172	34,977	17,806	9,245	8,561	11,223	3,590	2,142	5,491	3,927	684
	15,442	42,640	22,254	10,046	12,208	12,311	3,350	2,365	6,596	5,417	1,269
1930	17,026	45,462	26,116	10,312	15,804	11,215	2,625	2,138	6,452	5,793	1,855
1929	18,038	45,055	27,139	10,384	16,755	10,654	2,676	2,022	5,956	4,943	1,169
1928	18,716	42,856	25,025	10,079	14,946	11,005	2,783	2,059	6,163	4,716	1,001
1927	19,465	41,438	24,100	9,690	14,410	10,261	2,752	1,997	5,512	5,178	1,259
1926	20,378	39,877	23,336	9,380	13,956	9,725	2,918	1,834	4,973	5,018	1,119
1925	20,986	37,980	21,786	8,560	13,226	9,855	3,017	1,641	4,697	5,114	1,153
1924	21,521	34,895	20,075	7,704	12,371	8,740	2,935	1,555	4,250	4,579	1,040
1923	22,208	32,690	18,956	6,866	12,090	8,447	3,060	1,451	3,936	8,935	657
1922	22,492	29,735	16,809	6,015	10,794	7,814	2,578	1,429	3,807	8,861	740
1921	22,926	29,158	17,260	5,577	11,683	7,250	2,284	1,330	3,636	8,445	563
1920	22,885	29,827	17,690	5,286	12,404	6,995	2,283	1,256	3,456	3,996	604
1919	21,988	26,498	14,229	4,525	9,704	7,215	2,484	1,373	3,858	3,891	557
1918	21,781	22,835	12,786	4,393	8,393	5,778	1,218	1,388	3,167	3,267	274
1917	21,320	21,309	11,966	4,319	7,647	4,964	306	1,412	3,246	3,511	241
1916	20,791	18,777	10,496	8,947	6,549	4,514	50	1,360	3,104	3,033	256
1915	20,420	16,573	9,313	3,724	5,589	3,957	29	1,232	2,696	2,605	185
1914	20,346	15,872	9,059	3,564	5,495	3,831	29	1,231	2,571	2,355	232
1913	19,818	15,071	8,661	3,513	5,148	3,655	31	1,165	2,459	2,194	196
1912	19,106	14,515	8,152	3,279	4,878	3,618	42	1,101	2,475	2,211	201
1911	18,545	13,648	7,596	3,019	4,577	3,412	, 38	1,060	2,814	2,151	203
1910	18,013	13,030	7,312	2,827	4,485	3,264	38	1,024	2,202	1,994	275
	16,848	12,124	6,562	2,491	4,071	3,152	42	974	2,136	2,003	228
	16,344	11,236	6,124	2,378	3,746	2,938	43	912	1,983	1,779	161
	15,564	11,642	6,657	2,341	4,316	2,923	49	908	1,966	1,691	182
	14,360	10,959	6,206	2,181	4,025	2,840	58	895	1,887	1,564	175
1905	13,103	10,186	5,612	1,950	3,662	2,770	73	883	1,814	1,473	150
	12,329	9,195	4,920	1,767	3,153	2,504	86	849	1,569	1,462	120
	11,498	8,616	4,816	1,660	8,156	2,316	102	812	1,402	1,195	97
	10,580	8,019	4,418	1,529	2,889	2,153	119	766	1,268	1,170	109
	9,891	7,363	3,934	1,414	2,520	2,006	153	734	1,119	1,185	196
1900	9,322	6,444	3,449	1,316	2,133	1,769	193	695	881	995	97
1899	8,877	5,970	3,181	1,237	1,944	1,602	228	682	692	954	111
1898	8,582	5,240	2,812	1,177	1,635	1,415	229	644	542	785	40
1897	8,469	4,869	2,618	1,151	1,467	1,318	235	597	486	721	58
1896 ⁴	8,423	4,694	2,648	1,146	1,497	1,225	232	562	431	620	47

BANKING **X 667–677**

Series X 656-677. Nonnational Banks—Number of Banks and Principal Assets and Liabilities: 1863 to 1970—Con.
[In millions of dollars]

		Assets—Con.		-			Liabi	lities			
	Cash-	-Con.				Deposits					
Year	Currency and coin	Bankers' balances (including reserves)	Other	Total	Interbank ⁵	U.S. Government	Other demand	Other time	State banknotes	Capital accounts	Other
	667	668	669	670	671	672	673	674	675	676	677
1970	3,167 2,820 2,412 2,266 2,440	15,923 15,464 15,606 14,530 12,875	9,736 8,436 6,938 6,144 5,470	250,120 243,354 230,374 209,017 196,012	10,411 10,055 7,691 6,462 6,093	3,110 2,294 2,310 2,093 4,329	82,281 82,892 77,739 69,715 66,827	154,317 148,113 142,634 130,746 118,763		23,412 21,773 20,531 19,253 18,176	3 23,439 3 22,396 12,442 8,635 7,550
1965 1964 1963 1962 1961	2,440 2,248 1,771 1,649 1,553	14,750 13,924 13,555 13,276 12,806	5,670 5,071 4,632 4,150 3,866	192,364 177,095 164,942 152,309 140,831	6,640 6,316 6,032 5,761 5,467	5,204 4,562 5,141 4,246 2,923	68,148 65,492 62,883 61,008 58,897	112,371 100,725 90,885 81,295 73,542		18,271 16,868 15,683 14,864 14,032	8,110 6,136 5,710 4,897 4,283
1960 1959 1958 1957 1956 *	1,722 1,665 1,639 1,510 1,269	13,216 13,358 13,957 13,176 13,753	3,144 2,834 2,755 2,380 2,050	133,582 130,357 128,304 117,036 115,657	5,231 4,863 5,133 4,642 5,006	2,917 1,364 4,623 1,702 2,468	58,878 58,613 55,906 54,487 55,225	66,555 65,518 62,643 56,207 52,958		13,171 12,466 12,022 11,261 10,679	4,685 4,232 3,434 3,098 2,228
1955 1954 1953 1952 1951		13,293 13,090 13,075 13,099 12,211	1,829 1,508 1,364 1,309 1,178	110,214 100,147 94,701 91,428 85,290	6,931 5,750 5,007 4,929 4,322	2,318 2,319 1,508 2,492 2,462	52,115 46,216 45,583 44,564 41,403	48,850 45,862 42,603 39,443 37,103		9,949 8,978 8,571 8,159 7,731	1,727 1,164 1,070 955 923
1950 1949 1948 1947 1946	973 1,092 1,090 968 806	10,705 11,122 11,270 10,945 11,486	1,047 959 942 872 884	81,359 78,269 77,620 76,229 79,081	4,074 3,993 4,131 4,250 4,498	1,438 887 853 524 5,767	39,152 37,885 38,089 38,112 37,482	36,695 35,504 34,547 33,343 31,339		7,397 7,031 6,706 6,423 6,242	718 657 645 535 508
1945	785 773 770 698 663	11,183 9,797 9,470 9,593 10,611	939 1,081 1,287 1,472 1,686	74,594 63,099 52,707 42,232 40,939	4,336 3,799 3,732 3,781 4,340	11,247 8,766 3,485 691 232	31,897 28,048 25,952 19,877 18,107	27,114 22,486 19,538 17,883 18,260		5,665 5,232 4,949 4,829 4,851	419 368 290 285 306
1940	536 487 468 483 466	10,583 8,003 6,617 5,694 5,232	1,854 2,027 2,111 2,222 2,252	37,840 34,887 32,237 32,769 31,915	4,085 3,339 2,628 2,547 2,736	287 288 204 292 454	15,460 13,695 12,188 12,797 12,314	18,008 17,565 17,217 17,133 16,411		4,784 4,854 4,841 4,918 4,856	289 333 335 443 440
1935 1934 1933 1932 1931	370 341 355 431 484	4,550 3,660 2,582 2,812 3,664	2,116 2,032 1,861 2,021 2,658	28,793 26,584 24,942 28,141 35,023	2,234 1,815 1,467 1,509 2,288	385 848 410 221 213	10,216 8,329 7,881 8,918 11,920	15,958 15,592 15,184 17,493 20,602		4,735 4,870 4,538 5,251 6,123	414 607 1,066 1,585 1,494
1930	491 478 483 558 578	3,447 3,301 3,232 3,361 3,321	2,338 2,319 2,110 1,899 1,798	37,130 36,683 35,493 34,922 33,772	2,279 1,756 1,582 1,708 1,425	128 149 90 94 92	13,976 14,261 13,398 13,758 13,685	20,747 20,517 20,423 19,362 18,570		6,403 6,078 5,385 5,064 4,753	1,929 2,294 1,978 1,452 1,352
1925 1924 1923 1922 1921	561 537 480 482 506	3,400 3,002 2,798 2,639 2,876	1,725 1,501 1,352 1,251 1,203	32,389 29,612 27,477 24,904 23,792	1,475 1,452 1,033 871 772	76 64 114 56 158	13,304 11,901 11,265 10,484 9,866	17,534 16,195 15,065 13,493 12,996	1 - -	4,415 4,158 8,944 3,752 3,590	1,176 1,125 1,268 1,079 1,776
1920 1919 1918 1917 1916	589 541 506 737 668	2,803 2,793 2,487 2,533 2,109	1,146 1,163 1,009 868 734	24,679 22,047 19,046 18,088 15,866	904 975 922 989 798	87 349 506 13	10,908 9,673 7,911 7,658 6,530	12,785 11,050 9,707 9,428 8,538	- - - 1	3,398 3,047 2,864 2,791 2,616	1,750 1,404 925 430 294
1915	620 614 596 579 576	1,800 1,509 1,402 1,431 1,372	698 627 561 534 489	13,687 13,105 12,383 11,952 11,187	603 534 465 458 486		5,471 5,202 4,649 4,609 4,235	7,613 7,369 7,269 6,885 6,466	- - - -	2,538 2,454 2,398 2,286 2,201	348 313 290 277 260
1910	576 546 484 420 371	1,143 1,229 1,134 1,089 1,018	460 407 395 371 349	10,696 9,951 9,112 9,571 9,012	404 455 390 408 363	- - - -	4,281 4,037 3,532 3,820 3,638	6,011 5,459 5,190 5,343 5,011	- - 1 1	2,134 2,022 1,960 1,889 1,795	200 151 164 181 158
1905 1904 1903 1902 1901	339 342 300 281 281	984 1,000 798 780 708	331 309 289 278 238	8,366 7,507 7,051 6,636 6,125	362 344 267 255 230		3,361 2,945 2,746 2,596 2,468	4,643 4,218 4,038 3,785 3,427	- - - - -	1,660 1,586 1,475 1,289 1,138	160 102 90 94 100
1900 1899 1898 1897 1896 4	245 237 224 220 205	653 606 521 448 368	231 233 228 212 206	5,301 4,933 4,245 3,884 3,718	198 193 152 129 117	- - - 1	1,985 1,852 1,488 1,299 1,241	3,118 2,888 2,605 2,456 2,361	- - 1 -	1,061 960 928 915 910	82 77 72 69 66

Series X 656-677. Nonnational Banks-Number of Banks and Principal Assets and Liabilities: 1863 to 1970—Con. [In millions of dollars, except number of banks]

		Total		Assets				Total		Assets				Total		Assets	
Year	Number of banks	assets or liabili- ties	Total loans ¹	Total invest- ments	Total cash ⁶	Year	Number of banks s	assets or liabili- ties	Total loans ¹	Total invest- ments	Total cash ⁸	Year	Number of banks ⁶	assets or liabili- ties	Total loans ¹	Total invest- ments	Total cash ⁶
	656	657	658	661	665		656	657	658	661	665		656	657	658	661	665
1896 7 1895 1894 1893 1892 1891 1890 8 1888 1888 1886	5,780 6,103 5,738 5,685 5,577 4,989 4,717 4,005 3,527 3,156 1,529	4,200 4,139 3,869 3,979 3,752 3,449 3,296 3,007 2,739 2,556 2,068	2,280 2,252 2,141 2,348 2,209 2,067 1,699 1,533 1,388 1,035	1,211 1,118 1,010 1,010 986 870 863 806 775 682 644	465 549 538 456 459 378 393 387 318 322 180	1885	1,661 1,488 1,418 1,333 1,312 1,279 1,287 1,173 1,306 1,357 1,260	2,005 1,939 1,843 1,687 1,543 1,364 1,293 1,330 1,430 1,430 1,430 1,291	1,015 991 948 842 757 668 671 726 819 793 775	610 592 563 584 501 453 424 414 421 391 359	213 190 171 157 154 138 107 105 112 103 95	1874 1873 187210 187110 187010 186910 186810 186610 186610 186410 1863 1863 1	\$1,569 \$1,330 566 452 325 247 272 297 349 1,089 1,466	1,039 880 875 299 215 171 164 180 197 231 721 1,192	638 514 252 201 144 115 110 121 132 155 484 649	281 276 30 24 17 14 13 14 16 18 57	80 48 78 62 45 36 34 38 41 48 150 303

		Liabilities				Liabilities				Liabilities	
Year	Total deposits 6	State banknotes 11	Capital accounts 6	Year	Total deposits •	State banknotes 11	Capital accounts ⁶	Year	Total deposits ⁶	State banknotes 11	Capital accounts 6
	670	675	676		670	675	676		670	675	676
1896 7	3,345 3,260 3,039 3,126 2,970 2,709 2,598 2,391 2,175 2,069 1,727	ଉତ୍ତର୍ଜନ୍ଧ	763 793 751 752 710 661 624 552 506 453 316	1885	1,659 1,616 1,547 1,412 1,285 1,137 1,059 1,107 1,188 1,151	ଓ ଓଡ଼ିଉନ୍ତି ଓଡ଼ିଆନ	315 297 266 240 223 201 211 196 219 185	1874 1873 1872 1871 1870 1868 1868 1867 1866 1865 1864 1863	912 789 121 97 70 56 53 58 64 75 293	(Z) (Z) 78 62 45 36 34 38 41 48 150	114 86 122 111 87 67 66 65 67 71 312 405

Series X 678-682. Nonnational Banks-Number of Banks and Selected Assets and Liabilities, Alternate Series 1865 to 1896

In millions of dollars, except number of banksl

Year	Adjusted deposits	Vault cash	Year	Adjusted deposits	Vault cash	Number of banks	Capital accounts	Total deposits ¹	Year	Total deposits ²
	678	679		678	679	680	681	682		682
1896	3,545	207	1005	0.141	101				1876	1,408
1895	3,604	229	1885 1884	2,141 2,057	161 131				1875 1874	1,408 1,399 1,307 1,276
1894	3,311	226 221	1883 1882	2,016	106 109	5,063	235	1,719	1873 1872	1,276
1892 1891	3,604 3,311 3,312 3,409 3,082	218 187	1881	2,141 2,057 2,016 1,844 1,823	109	4,681	211	1,527	1871	1,255 1,045
1890	2 971	181	1880 1879	1,495 1,272	112 84	4,456 4,312	194 201	1,319 1,180	1870 1869	868 751
1889	2,694	186	1878	1,275 1,383	86	4,400	205 224	1.243	1868	665 597
1888 1887 1886	2,694 2,569 2,528 2,395	191 186 177	1877 1876 1875	1,383 1,453 1,450	84 85 90	4,400 4,501 4,520 4,488	224 219 214	1,352 1,362 1,372	1867 1866 1865	597 443 635

¹ Data for 1875-1882 from Comptroller of the Currency and compiled from tax turns; see text.

Represents zero.

* Denotes first year for which figures include Alaska and Hawaii.

Z Less than \$500,000.

¹ Beginning in 1948, figures for loan items are shown gross (i.e. before deduction of valuation reserves); they do not add to the totals in 1948-1968 and are not entirely comparable with prior figures. Total loans were shown as net prior to 1969.
² Beginning 1966, excludes corporate stocks, other than Federal Reserve bank stock, of national banks; reported with "other assets."

¹ In 1969 and 1970, loans and securities are stated on a gross basis in "total assets" of commercial banks. Total reserves on loans and securities of commercial banks are included in "other liabilities."
¹ Comparable with later data.

⁵ Beginning 1966, includes domestic interbank deposits only; for 1961–1965, includes domestic interbank and postal savings deposits. Prior to 1966, includes deposits of foreign banks.

⁵ See series X 678–682 for supplementary figures: Number of banks, 1875–1882; capital accounts, 1875–1882; vault cash, 1875–1896; deposits, 1865–1896.

⁷ Comparable with earlier data.

⁸ Revised from source publication.

⁹ Estimated.

¹⁰ All figures except number of banks and capital accounts are estimated, using as a basis the previous 10 years, 1854–1863, inclusive.

¹¹ For more complete estimates of State banknotes in circulation, 1800–1878, see series X 437.

 $^{^2}$ Data for 1865–1876 from Federal Deposit Insurance Corporation and are sums of separate estimates; see text.

BANKING X 683-688

Series X 683-688. Nonnational Banks-Number of Banks and Total Assets, by Class: 1875 to 1970

[As of June 30 or nearest available date. Figures prior to 1896 are known to be incomplete; for explanation, see text for series X 580-587]

	ba	mmercial nks g private)	Private	banks ²		savings iks ³		ba	mmercial nks g private)	Private	banks ²		savings ks ⁸
Year	Number	Assets 1 (mil. dol.)	Number	Assets (mil. dol.)	Number	Assets (mil. dol.)	Year	Number	Assets (mil. dol.)	Number	Assets (mil. dol.)	Number	Assets (mil. dol.)
	683	684	685	686	687	688		683	684	685	686	687	688
1970 1969 1968 1967 1966	9,052 8,993 9,001 8,982 9,010	220,598 214,223 194,316 172,752 162,322	17 19 21 30 60	446 449 474 458 439	497 500 502 505 507	76,373 73,300 69,031 64,153 59,416	1920 1919 1918 1917 1916	22,267 21,368 21,157 20,699 20,168	24,242 21,351 18,090 16,571 14,297	1,691 1,808 1,926 1,974 2,057	741 804 953 863 766	618 620 624 621 623	5,586 5,141 4,745 4,789 4,480
1965 1964 1963 1962 1961	9,002 8,980 8,957 8,934 8,950	162,362 148,099 138,314 127,652 117,328	70 71 73 57 63	430 424 425 383 370	505 507 512 513 515	56,383 52,000 48,021 44,418 41,818	1915 1914 1913 1912 1911	19,798 19,718 19,197 18,478 17,913	12,316 11,679 11,024 10,638 9,941	2,101 2,201 2,305 2,319 2,374	857 610 583 595 576	627 628 621 628 632	4,257 4,194 4,047 3,877 3,706
1960 1959 1958 1957 1956 *	8,961 8,933 8,975 9,011 9,052	111,841 108,527 107,083 97,142 96,143	82 80 84 89 92	354 355 360 341 352	516 519 521 526 528	39,598 38,527 36,678 34,254 32,421	1910 1909 1908 1907 1906	17,376 16,212 15,714 14,989 13,739	9,432 8,780 7,954 8,390 7,820	2,442 2,467 2,525 2,784 2,726	590 625 557 565 575	637 636 630 625 621	3,598 3,344 3,281 3,252 3,139
1955 1954 1953 1952 1951	9,037 9,102 9,131 9,144 9,161	91,508 81,974 78,009 76,164 71,109	92 92 95 105 115	355 374 357 362 382	528 528 528 529 529	30,382 28,315 26,333 24,378 22,835	1905 1904 1903 1902 1901	12,488 11,707 10,879 9,956 9,261	7,217 6,382 5,905 5,420 4,897	2,777 2,914 8,017 2,896 2,855	572 604 584 633 610	615 622 619 624 630	2,969 2,814 2,711 2,599 2,466
1950 1949 1948 1947 1946	9,175 9,164 9,191 9,170 9,140	67,223 64,852 64,718 63,825 67,810	118 122 131 134 136	372 378 374 394 362	530 530 532 533 533	22,252 21,105 20,252 19,362 18,021	1900 1899 1898 1897 1896 4	8,253 7 949	4,115 3,780 3,193 2,912 2,813	2,825 2,761 2,698 2,637 2,597	507 461 453 441 457	626 624 633 641 638	2,328 2,190 2,048 1,957 1,881
1945 1944 1948 1942 1941	9,111 9,102 9,137 9,252 9,304	64,754 54,889 45,539 35,691 34,128	187 149 152 160 167	317 276 261 237 228	534 536 537 538 541	15,924 13,810 12,407 11,655 11,969	1896 ⁵	5,086 4,714 4,655 4.520	2,057 2,085 1,888 1,965 1,788 1,595	824 1,070 904 848 1,161 1,235	94 131 105 108 147 152	988 1,017 1,025 1,030 1,059 1,011	2,143 2,054 1,981 2,014 1,964 1,855
1940 1939 1938 1937 1936	9,370 9,464 9,625 9,801 9,961	30,988 28,303 25,868 26,635 25,929	174 183 191 202 213	223 812 665 837 761	542 543 552 552 555	11,925 11,771 11,545 11,496 11,283	1890 6 1889 6 1888	3,594 3,115 2,726	1,539 1,380 1,219 1,179 807	1,344 1,324 1,203 1,001	164 143 164 175	921 849 801 684 638	1,743 1,623 1,520 1,378 1,261
1935	10,063 9,931 9,310 12,589 14,854	22,896 21,124 19,698 23,985 31,587	223 235 294 391 481	623 508 486 512 760	559 565 564 583 588	11,046 10,938 10,848 10,991 11,052	1885 1884 1883 1882 1881	1,015 852 788	802 761 724 634 576			646 636 630 629 629	1,203 1,178 1,119 1,053 968
1930	16,432 17,440 18,113 18,860 19,770	35,297 35,181 33,298 32,518 31,579	591 654 696 766 823	963 874 901 915 809	594 598 603 605 608	10,164 9,873 9,557 8,920 8,298	1880 1879 1878 1877 1876 ⁷ 1875 ⁷	650 648	482 428 389 507 406	i e		629 639 663 675 686	882 865 941 923 951
1925	20,376 20,908 21,593 21,876 22,306	30,150 27,612 25,878 23,473 23,194	879 944 1,024 1,108 1,160	736 820 647 546 588	610 613 615 616 620	7,831 7,284 6,812 6,262 5,964	1875 7	586	395			674	896

^{*} Denotes first year for which figures include Alaska and Hawaii.

1 In 1969 and 1970, loans and securities are stated on a gross basis in "total assets" of commercial banks. Total loans were shown as net prior to 1969.

2 Figures for 1896-1946 are for private banks in 18 States only; private banks were not segregated from other banks in the remaining States in this period. Figures may not be completely accurate; private banks not insured by FDIC are not required to report to any Federal bank supervisory agency.

3 Includes mutual and stock savings banks, 1875-1896; thereafter, mutual savings banks only. See footnote 2 for series X 630-633.

⁴ Comparable with later years.
⁵ Comparable with earlier years.
⁵ The total of series X 683 and X 687 and the total of series X 684 and X 688 differ from series X 656 and X 657, respectively. The latter are revised data published in the Annual Report of the Comptroller of the Currency, 1931, without breakdown by class of bank.

⁷ Revised data for number of mutual savings banks, 781 in 1876 and 771 in 1875, are included in Annual Report of the Comptroller of the Currency, 1920, vol. 1, p. 241, but total assets for these banks are not available.

Series X 689-697. Savings and Other Time Deposits, by Type of Institution: 1820 to 1970 [In millions of dollars. As of June 30 except as noted]

	Total]	By institution	L			Total		By inst	titution	
Year	savings and other time deposits	Mutual savings banks	Savings and loan associa- tions	Credit unions 1	Postal savings system	Commer- cial banks ²	Year	savings and other time deposits	Mutual savings banks	Savings and loan associa- tions	Postal savings system	Commer- cial banks ³
	689	690	691	692	693	694		689	690	691	693	694
1970	426,929 412,886 391,036 361,412 330,141	68,870 66,030 62,420 57,740 53,620	138,620 133,600 127,160 118,950 111,460	15,523 13,740 12,312 11,103 10,071	53 192	203,916 199,516 189,144 173,566 154,798	1920 1919 1918 1917 1916	17,416 14,789 18,015 12,660 11,363	5,150 4,710 4,390 4,330 4,130	1,600 1,390 1,270 1,160 1,060	157 167 148 132 85	10,509 8,522 7,207 7,038 6,088
1965 1964 1963 1962 1961	302,830 270,790 241,915 213,356 188,813	50,720 46,740 43,020 39,780 37,320	105,460 96,080 85,590 74,930 66,060	9,220 8,225 7,164 6,331 5,639	842 415 498 581 702	137,088 119,330 105,648 91,734 79,092	1915 1914 1918 1912 1911	10,220 9,214 9,190 8,653 8,029	3,910 3,840 3,730 3,580 3,430	980 890 820 740 670	66 43 34 20 1	5,264 4,441 4,606 4,313 3,928
1960 1959 1958 1958 1957	166,056 156,863 144,026 128,489 117,907	35,420 34,390 32,810 30,750 29,020	57,900 51,000 44,660 39,290 34,510	4,981 4,441 3,869 3,381 2,914	849 1,058 1,214 1,463 1,765	66,906 65,474 61,473 53,605 49,698	1910 1909 1908 1907 1906		3,300 3,140 3,020 3,020 2,910	610 560 530 490 450		3,636 3,170 2,427 2,295 1,860
1955 1954 1953 1952 1951	109,140 100,244 90,895 82,576 75,885	27,220 25,320 23,520 21,730 20,350	29,620 24,980 20,980 17,570 14,890	2,447 2,040 1,691 1,855 1,079	2,007 2,251 2,459 2,619 2,785	47,846 45,653 42,245 39,302 36,781	1905	4,897 4,463 4,198 3,975 3,715	2,740 2,600 2,500 2,390 2,260	430 420 410 400 400		1,443 1,288
1950 1949 1948 1947 1946	73,700 70,871 68,276 65,290 60,099	19,750 18,870 18,120 17,380 16,140	18,250 11,720 10,360 9,150 7,960	884 730 630 533 451	3,097 3,259 3,378 3,392 3,119	36,719 36,292 35,788 34,835 32,429	1900 1899 1898 1897 1896	3,411 3,066 2,862 2,768 2,222	2,130 2,000 1,870 1,780 1,690	400 410 420 420		656 572 568
1945 1944 1943 1942 1941	51,411 41,954 35,782 32,438 32,598	14,360 12,450 11,120 10,400 10,580	6,840 5,900 5,220 4,810 4,500	384 855 823 803 287	2,657 2,032 1,576 1,315 1,303	27,170 21,217 17,543 15,610 15,928	1895 1894 1893 1892 1891	2,141 2,026 2,006 1,990 1,430	1,650 1,570 1,550 1,520 1,430			491 456 456 470
1940	31,855 31,017 30,424 30,128 29,155	10,580 10,390 10,190 10,110 9,980	4,220 4,100 4,080 4,140 4,220	223 169 127 98 68	1,292 1,261 1,251 1,267 1,281	15,540 15,097 14,776 14,513 13,706	1890 1889 1888 1887 1886	1,370 1,300 1,240 1,180 1,120	1,370 1,300 1,240 1,180 1,120			
1985	28,202 27,442 26,748 30,361 34,953	9,780 9,630 9,650 9,890 9,810	4,360 4,600 5,040 5,620 6,110	38 28 23 22	1,204 1,196 1,186 780 342	12,820 11,988 10,849 14,049 18,691	1885 1884 1883 1882 1881	1,070 1,030 1,000 950 920	1,070 1,080 1,000 950 920			
1980 1929 1928 1928 1927	28,788	9,090 8,880 8,530 7,970 7,440	6,270 6,000 5,390 4,700 4,090		170 149 148 143 133	19,705 19,557 19,802 18,306 17,125	1880 1879 1878 1877 1876	810 750 780 830 840				
1925 1924 1923 1922 1921	26,605 24,104 22,105 19,538 18,395	7,020 6,590 6,180 5,720 5,480	3,480 2,890 2,420 2,090 1,850		131 132 131 136 148	15,974 14,492 13,374 11,592 10,917	1875	820 760 700 640 560				
							1870 1869 1868 1867	470 400 340 300	470 400 340 300			

¹ As of December.

² Includes certificates of deposit.

BANKING **X 695–705**

Series X 689-697. Savings and Other Time Deposits, by Type of Institution: 1820 to 1970—Con.
[In millions of dollars]

Year	National banks	State banks	Year	Savings deposits in savings banks	Year	Savings deposits in savings banks	Year	Savings deposits in savings banks
	695	696		697		697		697
1942	7,842	7,294	1910	4,071	1880	819	1850	43
1941	8,053	7,494	1909	3,713	1879	803	1849	36
	-,		1908	3.661	1878	880	1848	33
1940	7.894	7,272	1907	3,690	1877	866	1847	32
1989	7,693	7,003	1906	3,482	1876	941	1846	27
1938	7.599	6.876		, , , , , , , , , , , , , , , , , , , ,				
1987	7,534	6,794	1905	3,261	1875	924	1845	25
1936	7,188	6,265	1904	3,060	1874	865	1840	14
	*,	,,	1903	2,935	1878	802	1835	11
1935	6,869	5,873	1902	2,750	1872	735	1830	7
1934	6.498	5.452	1901	2,597	1871	651	1825	l á
1933	5,912	5,453		_,,				_
1982	6,958	7,283	1900	2,450	1870	550	1820	1 1
1931	8.045	10,141	1899	2,230	1869	458	1020111111111111	_
	0,010	,	1898	2,066	1868	393		
1930	8,097	11,176	1897	1,939	1867	337		
1929	7,889	11,426	1896	1,907	1866	283		1
1928	8,050	11,695		2,001	-000	200		
1927	7,088	10,963	1895	1,811	1865	243		
1926	6,178	10,993	1894	1,748	1864	236		
1020	0,110	10,550	1893	1,785	1863	206		
1925	5,810	10,172	1892	1,713	1862	169		1
1924	5,158	9,337	1891	1.623	1861	147		ľ
1923	4,686	8,767	1001	1,020	1001	14.		ļ
1922	4,074	7,687	1890	1,525	1860	149		
1921	3,677	7,255	1889	1,425	1859	129		
1921	0,017	1,200	1888	1.364	1858	108		
1920	3,463	6,668	1887	1,304	1857	99		
1919	2,776	5,532	1886	1,142	1856	96		1
1918	2,336	4,817	1000	1,142	1000	50		
1917	2,173	4,364	1885	1,095	1855	84		
1916	1,716	3,641	1884	1,073	1854	78		
1910	1,110	3,041	1883	1,025	1853	72		i
1915	1,321	3,541	1882	967	1852	60		
1914	1,321	3,341	1881	892	1851	51		
1913	1,369	3,368	1001	092	1001	51		
1912	1,536	3,368			1			
1912	1,636		l		I			
1910		3,024	l .		1			
1910	1,014	J	l		İ			i

Series X 698-705. Bank Debits and Deposit Turnover: 1943 to 1970

	20,1111 2	7 C D 1 C D	2 oposit	1 41110 7 61	. 1010 00	2010		
	Debits t	o demand dep	osit accounts (bil. dol.)		Annual rate	of turnover	
Year	All reporting	Leading	centers	Other	All reporting	Leading	centers	Other
	centers	New York	6 others 1	centers	centers	New York	6 others 1	centers
	69 8	699	700	701	702	703	704	705
1970	10,237 9,223 8,010 6,662 5,923	4,518 4,069 3,635 2,921 2,502	2,404 2,124 1,756 1,472 1,328	3,315 3,031 2,619 2,269 2,093	72.9 68.0 62.0 56.7 52.8	154.4 143.6 135.5 120.8 109.4	77.6 68.1 59.2 53.4 50.1	41.9 39.8 36.0 34.5 33.3
1965 1964 ² 1964 ³ 1963 1962	5,162 4,631 4,141 3,755 3,436 3,111	2,138 1,925 1,736 1,556 1,416 1,279	1,141 1,031 842 776 702 623	1,883 1,675 1,563 1,423 1,319 1,210	48.1 44.8 47.7 44.3 41.5 38.2	98.8 90.2 93.8 84.8 77.8 70.0	44.7 41.6 47.8 44.6 41.2 36.9	31.2 29.2 30.8 29.0 27.7 26.2
1960	2,839 2,679 2,440 2,357 2,201	1,103 1,024 959 888 816	578 545 487 489 463	1,158 1,110 994 979 922	35.5 33.4 31.5 30.8 28.9	60.0 56.4 53.6 49.5 45.8	34.8 32.5 30.0 30.4 28.8	25.7 24.5 22.9 23.0 21.8
1955	2,044 1,887 1,759 1,643 1,543	767 739 633 598 544	432 390 386 350 337	845 758 740 695 661	27.1 26.2 24.6 23.5 23.0	42.7 42.3 36.7 34.4 31.9	27.3 25.8 25.6 24.1 24.0	20.4 19.2 18.9 18.4 18.4
1950	1,380 1,206 1,227 1,104 1,017	509 446 443 398 407	299 261 271 247 218	572 499 513 459 392	21.9 20.2 20.4 18.7 18.2	81.1 27.9 26.9 23.8 25.1	22.6 20.9 21.6 19.7 18.3	17.2 15.9 16.6 15.5 14.1
1945	924 849 757	383 327 281	200 195 175	342 326 301	17.6 17.8 17.5	24.1 22.3 20.4	17.5 18.3 18.0	13.5 14.6 15.3

¹ Boston, Philadelphia, Chicago, Detroit, San Francisco-Oakland, and Los Angeles-Long Beach.

² Comparable with later years. ³ Comparable with earlier years.

Series X 706-715. Bank Debits and Deposit Turnover: 1919 to 1952

[In millions of dollars, except rates] Bank debits and deposit turnover, all commercial banks 8 Bank debits to deposit accounts, except interbank accounts, at reporting centers 1 Total demand and time deposits Demand deposits Year New York City 140 other Other All Annual Annual Debits Deposits Debits Deposits reporting centers 2 reporting centers 2 turnover rate turnover rate 708 710 711 712 713 714 715 1,692,136 1,577,857 615,670 551,889 895,906 854,050 180,560 171,917 147,824 129,179 132,695 119,506 105,210 1,403,752 1,231,053 1,249,630 1,125,074 1,050,021 513,970 452,897 449,002 405,929 417,475 742,458 648,976 667,934 599,639 527,336 89,799 83,970 77,153 467,074 45,694 974,102 891,910 792,935 641,778 537,343 479,760 462,354 419,413 347,837 298,925 404,543 345,585 296,368 4226,865 197,724 756,000 54,110 14.0 740,000 38,220 19.4 445,863 423,933 405,930 469,462 461,889 171,582 171,382 168,778 197,836 208,936 236,952 218,295 204,744 235,207 219,669 37,329 34,256 32,408 36,419 33,284 627,000 592,000 566,000 650,000 628,000 48,610 43,670 40,410 40,290 38,660 12.9 13.6 14.0 16.1 16.2 611,000 577,000 551,000 685,000 614.000 33,040 28,550 25,520 25,710 24,810 18.5 20.2 21.6 24.7 24.7 ------402,718 356,613 303,216 347,264 515,294 190,167 165,555 5134,259 154,401 217,523 28,545 25,110 520,508 24,899 33,937 184,006 165,948 5148,449 167,964 263,834 547,000 491,000 437,000 471,000 685,000 34,610 30,640 28,500 31,720 37,830 15.8 16.0 15.3 14.8 18.1 534.000 479,000 424,000 456,000 658 000 21,480 18,220 15,850 16.720 19,810 24.9 26.8 26.8 27.3 33.2 1985 1033 384,639 603,088 500,211 391,558 339,055 277,317 331,942 306,194 282,303 268,902 931,000 1,276,000 1,114,000 952,000 872,000 22.4 29.9 26.2 23.4 22.2 702,959 982,531 850,521 714,328 41,003 47,501 44,116 40,467 41,550 42,720 42,570 40,670 892,000 1,237,000 1,075,000 915,000 22,090 23,080 22,950 22,340 40.4 53.6 46.8 41.0 37.7 1928 38,630 838,000 646,587 39,340 22,210 605,843 522,627 494,412 451,513 409,338 313,373 263,530 238,396 239,855 207,096 35,781 30,936 30,685 12,148 10,300 820,000 716,000 685,000 643,000 591,000 21.7 20.7 20.8 21.6 20.8 21,720 19,990 19,280 36.3 34.4 34.1 34.2 32.6 256,689 228,161 225,331 37,720 34,590 32,920 29,750 28,400 1924 1923 1922 1922 687,000 658,000 620,000 569,000 199,510 191,942 18,150 17,470

241,431 244,119

241,595 211,175

607,071; series X 707—210,961; series X 708—342,430; series X 709—53,679. Federal Reserve Bulletin, Aug. 1948, p. 717.)

² The number of centers in this group varied considerably; see text.

³ Excludes interbank deposits and collection items.

35.4 35.0

Series X 716-724. Number of Banking Offices, by Deposit Insurance Status: 1900 to 1970

7,442 4,955

			Com	mercial bank offi	ces ²		Mutu	al savings bank o	ffices ^{2 4}
	All banking offices		Member	banks 2 3	Nonmeml	ber banks			
Year ¹	0.1.1000	Total	National	State 45	Insured	Non- insured	Total	Insured ⁵	Non- insured
	716	717	718	719	720	721	722	723	724
1970	36,910	35,330	17,142	4,798	13,159	231	1,580	1,222	358
	35,340	33,858	16,384	4,683	12,546	245	1,482	1,137	345
	34,100	32,691	15,700	4,827	11,919	245	1,409	1,072	337
	32,983	31,652	14,940	4,983	11,470	259	1,331	1,001	330
	31,934	30,673	14,404	4,867	11,103	299	1,261	944	317
1965	30,776	29,556	13,776	4,738	10,723	319	1,220	911	309
1964	29,549	28,370	12,937	4,751	10,356	326	1,179	876	303
1963	28,197	27,064	12,032	4,684	10,012	336	1,133	832	301
1962	26,865	25,768	11,140	4,549	9,718	361	1,097	797	300
1961	25,839	24,782	10,554	4,453	9,407	368	1,057	757	300
1960	24,954	28,954	10,036	4,265	9,253	400	1,000	706	294
	* 24,094	* 23,130	* 9,514	4,206	* 9,001	* 409	964	586	378
	23,305	22,361	9,109	4,120	8,693	439	944	546	398
	22,699	21,772	8,795	3,969	8,545	463	927	535	392
	22,123	21,230	8,459	3,884	8,405	482	893	480	413
1955	21,494	20,638	8,055	3,785	8,263	535	856	454	402
	20,982	20,147	7,844	3,598	8,132	573	835	439	396
	20,608	19,810	7,602	3,536	8,062	610	798	411	387
	20,288	19,513	7,465	3,436	7,947	665	775	383	392
	20,003	19,244	7,309	3,365	7,879	691	759	367	392

¹ Beginning in May 1942, 60 new reporting centers (affecting series X 706 and X 709) and a number of banks in previously included reporting centers (affecting all series) were added to those centers and banks included for the years prior to 1942. The figures for the period 1942–1952 are therefore not strictly comparable with those for the earlier years. The extent of the change in coverage is reflected for 1942 by comparing the figures shown above with those derived on the old basis, as follows: Series X 706—

⁴ Partly estimated for first 4 months.
⁵ 11 months only; data for Mar. 1933 not available because of bank holiday.

Series X 716-724. Number of Banking Offices, by Deposit Insurance Status: 1900 to 1970—Con.

			Comm	ercial bank o	offices 2		Mutual s	avings bank	offices 2 4		Comn	ercial bank	offices
	All banking offices		Member	banks 2 8	Nonmem	ber banks							
Year ¹	o.n.o.s	Total	National	State 4 5	Insured	Non- insured	Total	Insured 5	Non- insured	Year ¹	Total	National banks	State banks ⁷
	716	717	718	719	720	721	722	723	724		717	718	719-721
1950 1949 1948 1948 1947 6 1946	19,708 19,465 19,234 19,046 18,863	18,966 18,735 18,520 18,842 18,165 18,096	7,188 7,060 6,956 6,875 6,794 6,831 6,840	8,271 3,216 3,156 3,096 3,022 2,963 2,866	7,766 7,679 7,582 7,521 7,464 7,397	741 780 826 850 885	742 730 714 704 698 685 683	346 333 325 318 306 293	396 397 389 386 392 392	1982 1981 1980 1929 1928 1927	20,997 22,842 25,694 27,379 28,106 28,714 29,454	7,231 7,478 8,075 8,398 8,563 8,482 8,327	13,766 15,364 17,619 18,981 19,543 20,232 21,127
1943 1942 1941	18,781 18,741 18,646 18,562 18,524	18,058 17,965 17,878 17,841	6,831 6,840 6,782 6,675 6,682	2,968 2,866 2,744 2,619 2,514	7,397 7,430 7,487 7,602 7,742	922 952 982 903	681 683 683	291 279 91 84	392 402 592 599	1925 1924 1923	30 163	8,366 8,299 8,383 8,384	21,797 22,183 22,548 22,875 23,021
1940 1939 1938 1937 1936	18,561 18,663 18,774 18,927 19,066	17,875 17,980 18,084 18,236 18,373	6,683 6,705 6,728 6,745 6,723	2,344 2,177 2,106 2,075 2,032	7,892 8,099 8,226 8,342 8,440	956 999 1,029 1,074 1,178	686 683 690 691 693	84 75 64 67 67	602 608 626 624 626	1922 1921 1920 1915	30,482 30,931 31,259 31,243 30,368 26,660 22,034	8,384 8,222 8,088 7,624 7,150	22,845 22,875 23,021 22,280 19,036 14,884 9,863
1935 1934 1933	19,153 19,196 17,940	18,455 18,491 17,236	6,715 6,705 6,275	1,953 1,961 1,817	8,562 79, 79,	1,225 825 144	698 705 704	(⁷)	631 (⁷)	1910 1905 1900	22,034 15,032 8,857	7,150 5,669 3,736	14,884 9,863 5,121

Series X 725-730. Bank Deposits Insured by the Federal Deposit Insurance Corporation and the Deposit Insurance Fund: 1934 to 1970

[As of December 31, except as noted. Includes Alaska, Hawaii, and outlying areas]

	Deposits bar	in insured nks	Percent of	Deposit insurance	Ratio of insurance	deposit fund to—			in insured nks	Percent of	Deposit insurance		deposit e fund to—
Year	Total (mil. dol.)	Insured 1 (mil. dol.)	deposits insured	fund (mil. dol.)	Total deposits	Insured deposits	Year	Total (mil. dol.)	Insured 1 (mil. dol.)	deposits insured	fund (mil. dol.)	Total deposits	Insured deposits
	725	726	727	728	729	730		725	726	727	728	729	730
1970	545,198 495,858 491,513 448,709 401,096	349,581 313,085 296,701 261,149 234,150	64.1 63.1 60.2 58.2 58.4	4,379.6 4,051.1 8,749.2 3,485.5 3,252.0	0.80 .82 .76 .78	1.25 1.29 1.26 1.33 1.39	1950 1949 1948 1947 1946	167,818 156,786 153,454 154,096 148,458	91,359 76,589 75,320 76,254 73,759	54.4 48.8 49.1 49.5 49.7	1,243.9 1,203.9 1,065.9 1,006.1 1,058.5	0.74 .77 .69 .65	1.36 1.57 1.42 1.32 1.44
1965	348.981	209,690 191,787 177,381 170,210 160,309	55.6 55.0 56.6 57.2 57.0	3,036.3 2,844.7 2,667.9 2,502.0 2,353.8	.80 .82 .85 .84 .84	1.45 1.48 1.50 1.47 1.47	1945 1944 1948 1942 1941	157,174 134,662 111,650 89,869 71,209	67,021 56,398 48,440 32,837 28,249	42.4 41.9 43.4 36.5 39.7	929.2 804.3 703.1 616.9 553.5	.59 .60 .63 .69	1.39 1.43 1.45 1.88 1.96
1960 1959 1958 1957 1956	247,589 242,445	149,684 142,181 137,698 127,055 121,008	57.5 57.4 56.8 56.3 55.2	2,222.2 2,089.8 1,965.4 1,850.5 1,742.1	.85 .84 .81 .82 .79	1.48 1.47 1.43 1.46 1.44	1940 1939 1938 1937 1936	65,288 57,485 50,791 48,228 50,281	26,638 24,650 23,121 22,557 22,830	40.8 42.9 45.5 46.8 44.4	496.0 452.7 420.5 383.1 343.4	.76 .79 .83 .79 .68	1.86 1.84 1.82 1.70 1.54
1955	203.195	116,380 110,973 105,610 101,842 96,713	54.8 54.6 54.6 54.1 54.2	1,639.6 1,542.7 1,450.7 1,363.5 1,282.2	.77 .76 .75 .72 .72	1.41 1.39 1.37 1.34 1.33	1935 1934	45,125 40,060	20,158 18,075	44.7 45.1	306.0 333.0	.68 .83	1.52 1.84

¹ Figures estimated by applying to the deposits in the various types of accounts at the regular call dates the percentages insured as determined from special reports secured from insured banks.

^{*} Denotes first year for which figures include Alaska and Hawaii.

For 1925, 1926, and 1932–1970, figures are as of December; for earlier years they are as of different dates for banks and branches: For banks, 1927–1931 and 1923–1924, as of December; for 1915–1922, as of June; for branches, 1924 and 1927–1931, as of June; prior to 1924, not for any uniform month. Figures in this table prior to 1947 have not been revised to bring them into conformity with the revised all-bank data referred to in the general note for series X 561–820.

2 Comparability of figures for classes of banks is affected somewhat by changes in Federal Reserve membership, deposit insurance status, and reserve classifications of cities and individual banks, and by mergers, etc.

³ Federal deposit insurance is compulsory for member banks of the Federal Reserve

Federal deposit insurance is compulsory for member banks of the Federal Reserve System.
 None in Alaska and Hawaii.
 Member commercial banks exclude, and mutual savings banks include, mutual savings banks which are members of the Federal Reserve System as follows: 3, 1941–1959, 2 in 1960, and 1 in 1961–1970.
 In 194', the series was revised. See footnote 6 to series X 731–740.
 Federal insurance of bank deposits did not become effective until Jan. 1, 1934, and the number of nonmember banking offices by insurance status is not available prior to 1935.

December 20, 1963.
 December 28, 1962.

Series X 731-740. Branch Banking: 1900 to 1970

			Co	mmercial bank	cs ²		Mu	tual savings ba	inks	
Year ¹	Total	Total	Member	banks *	Nonmemb	er banks 4	Total	Insured	Noninsured	Number of banking facilities ⁵
			National	State 4	Insured	Noninsured				1
	731	732	733	734	735	736	737	738	739	740
NUMBER OF BANKS OPERATING BRANCHES										
1970	4,294 4,084 3,946 3,756 3,573	3,994 3,794 3,665 3,487 3,313	1,684 1,591 1,550 1,477 1,406	450 446 462 459 454	1,840 1,738 1,633 1,530 1,435	20 19 · 20 21 18	300 290 281 269 260	213 206 199 190 183	87 84 82 79 77	
1965 1964 1963 1962 1961	3,386 3,204 3,016 2,840 2,696	3,140 2,966 2,791 2,619 2,484	1,331 1,233 1,133 1,036 986	452 445 439 425 418	1,336 1,269 1,200 1,139 1,062	21 19 19 19 19	246 238 225 221 212	176 172 160 154 146	70 66 65 67 66	
1960	2,523 *2,351 2,187 2,066 1,962	2,329 *2,164 2,010 1,893 1,790	905 * 806 739 677 627	404 383 352 340 327	1,001 * 956 899 856 815	19 * 20 20 20 21	194 187 177 173 172	131 113 107 106 100	63 74 70 67 72	
1955 1954 1953 1952 1951	1,814 1,720 1,609 1,483 1,422	1,659 1,571 1,474 1,359 1,299	543 502 444 385 352	304 276 258 237 226	790 769 745 708 692	22 24 27 29 29	155 149 185 124 123	94 92 85 78 75	61 57 50 46 48	
1950 1949 1948 1947 7 1946	1,354 1,301 1,242 1,188 1,143	1,241 1,191 1,140 1,089 1,053	324 298 276 253 235	218 214 202 194 193	669 648 626 604 591	30 31 36 38 34	113 110 102 99 90	67 65 62 60 56	46 45 40 39 34	
1945 1944 1943 1942 1941	1,101 1,082 1,069 1,065 1,054	1,016 999 989 985 973	222 216 214 212 205	190 188 181 177 174	570 563 563 565 563	34 32 31 31 31	85 83 80 80 81	52 51 49	33 32 31	
1940 1939 1938 1937 1936	1,040 1,019 1,001 981 938	959 939 921 903 859	200 195 194 194 188	170 165 161 159	560 549 56 527 671		81 80 80 78 79			
1985	901 807 660	822 729 584 681 723	181 176 146 157 164		641 558 438 524 559		79 78 76			
1930 1929 1928 1927 1926		751 764 775 740 744	166 167 171 153 148		585 597 604 587 596					
1925		720 706 671 610 547	130 112 91 55 23		590 594 580 555 524					
1920		530 397 292 196 87	21 12 9 5 5		509 385 283 191 82					
NUMBER OF BRANCHES	22,508	21,424	12,363	8.642	5.371	49	1,084	891	198	210
1970 1969 1967 1966	19,675 18,519	19,985 18,777 17,690 16,648	11,550 10,797 9,991 9,407	3,642 3,465 3,556 3,658 3,493	5,371 4,923 4,379 3,995 3,686	48 47 46 46 62	988 898 829 757	810 729 669 614	178 169 160 143	219 223 236 238 260
1965	14,995 13.844	15,486 14,321 13,220 12,068 11,077	8,754 7,940 7,204 6,423 5,827	3,309 3,056 3,166 2,981 2,826	3,369 3,275 2,800 2,614 2,380	54 50 50 50 44	715 674 624 587 548	583 549 502 466 427	132 125 122 121 116	270 280 278 277 276
1960 1959 * 1958 1958 1957	9 835	10,216 9,388 8,613 7,968 7,362	5,298 4,769 4,341 3,993 3,629	2,597 2,490 2,360 2,173 2,053	2,274 2,087 1,878 1,765 1,648	47 42 39 37 37	486 447 425 405 866	381 318 305 296 257	105 129 120 109 109	267 264 248 236 227

BANKING X 731-740

Series X 731-740. Branch Banking: 1900 to 1970—Con.

			Co	mmercial bank	S 2		Mut	tual savings ba	anks	
Year ¹	Total	Total	Member	banks 3	Nonmemb	er banks 4	Total	Insured	Noninsured	Number of banking facilities
			National	State 4	Insured	Noninsured				
	731	732	733	734	735	736	737	738	739	740
NUMBER OF BRANCHES—Con.									,	
955 954 953 952 951	7,040 6,416 5,897 5,520 5,224	6,710 6,108 5,627 5,274 4,994	3,196 2,900 2,590 2,403 2,244	1,916 1,710 1,631 1,530 1,449	1,563 1,462 1,365 1,300 1,260	35 36 41 41 41	330 308 270 246 230	234 221 192 177 165	96 87 78 69 65	21 19 19 19 19
950 449 448 447 447	4,934 4,684 4,461 4,261 4,059	4,721 4,485 4,279 4,090 3,902	2,136 2,012 1,913 1,817 1,721	1,343 1,288 1,219 1,168 1,118	1,190 1,132 1,079 1,038 1,001	52 53 68 67 62	213 199 182 171 157	152 141 132 124 115	61 58 50 47 42	12 9 7 7
945 444 443 422 441	3,866 3,772 3,716 3,712 3,699	3,723 3,632 3,580 3,575 3,564	1,641 1,589 1,573 1,571 1,565	1,061 1,035 1,020 1,020 1,015	964 954 935 932 932	57 54 52 52 52	143 140 136 137 135	101 99 95 35 32	42 41 41 102 103	22 25 21 2
940 939 938 937	3,666 3,629 3,580 3,540 3,399	3,531 3,497 3,445 3,412 3,271	1,539 1,518 1,499 1,485 1,398	1,002 1,002 992 994 981	940 927 908 891 848	50 50 46 42 44	135 132 135 128 128	31 24 16 11 11	104 108 119 117 117	
935 934 933 982	3,284 3,133 2,911	3,156 3,007 2,786 3,195 3,467	1,329 1,243 1,121 1,220 1,110	952 981 960	828 78 70 1,975 2,357		128 126 125	11	117	
		3,522 3,353 3,138 2,914 2,703	1,042 995 934 723 421		2,480 2,358 2,204 2,191 2,282					
925 924 923 922 921		2,525 2,297 2,054 1,801 1,455	318 256 204 140 72		2,207 2,041 1,850 1,661 1,383					
920 915 910 905		1,281 785 548 350 119	63 26 12 5 5		1,218 759 586 345 114					

			Comme	rcial bank b (mil. dol.)	ranches		Mutual		Comme	rcial bank b (mil. dol.)	ranches
Year 1	Total (mil. dol.)	Total	Memb	er banks ³	Nonmemi	ber banks 4	savings bank branches,	Year ¹	Total	Member	r banks 8
			National	State 4	Insured	Noninsured	total (mil. dol.)			National	State 4
	731	732	733	734	735	736	737		732	733	734-736
LOANS AND INVESTMENTS OR DEPOSITS 8				·				LOANS AND INVESTMENTS OR DEPOSITS 8—Con.			
1949	83,260 43,449	71,833 38,496	39,339 19,094	26,703	5,103 19,402	688	11,427 4,958	1927 1926	17,591 16,511	6,294 5,243	11,297 11,268
1939		30,813 26,587 24,989 20,706	14,924 12,828 12,054 9,713		15,889 13,759 12,935 10,993		4,920	1925 1924 1923 1922	14,763 12,480 10,922 9,110	4,447 3,606 2,841 2,330	10,316 8,874 8,081 6,780
1935	-	18,744 15,528 17,279 20,680	8,602 6,963 7,339 8,529		10,142 8,565 9,940 12,151		4,457	1921 1920 1915 1910	6,897 2,187 1,272	1,581 689 98 44	6,773 6,208 2,089 1,228
1930 1929 1928		22,491 21,420 20,068	9,169 8,016 7,840		13,322 13,404 12,228			1905 1900	637 119	6 5	631 114

^{*} Denotes first year for which figures include Alaska and Hawaii.

1 For years prior to 1924, figures are not for any uniform month. For 1925, 1926, 1932–1970, as of December; for 1924 and 1927–1931, as of June.

2 Includes 1 national bank in the Virgin Islands, with 2 branches, which became a member of the Federal Reserve System in 1957.

3 Federal deposit insurance is compulsory for member banks of the Federal Reserve System.

³ Federal deposit insurance is companied.

System.

4 Figures for 1900–1932 comprise State-chartered commercial banks operating branches and their branches and those unincorporated (private) banks operating branches and their branches reporting to State banking authorities. Beginning in 1934, the proportion of private banks reporting was larger than in prior years.

⁵ Banking facilities are provided at military and other Government establishments through arrangements made by the Treasury Department with banks. Some of these facilities are operated by banks that have no other type of branch or additional office.
⁶ State member bank figures include I noninsured trust company without deposits.
⁷ In 1947, the series was revised to conform (except that it excludes U.S. outlying areas) to the number of banks in the uniform all-bank series inaugurated in 1947 by the Federal bank supervisory authorities. The revision resulted in a net addition of 115 banks and 9 branches.
⁸ Loans and investments, 1900–1936, and deposits, 1937–1941 and 1949, of banks operating branches, except for mutual savings banks for 1936 which are deposits. For other years data are not available. Prior to 1949 commercial bank figures exclude a small amount of deposits of private banks, data for which are available for selected years only as follows: 1935, \$46 million; 1939, \$102 million; and 1941, \$138 million.

Series X 741-755. Bank Suspensions-Number and Deposits of Suspended Banks: 1864 to 1970

			Numb	er of suspe	nsions					Deposits	of suspende	ed banks 2	(mil. dol.)		
			State co	mmercial		Federal Sys	Reserve tem			State co	mmercial ³		Federal Syst		Losses
Year ¹	Total	National	Incor- porated	Private (unin- cor- porated)	Mutual savings	Member	Non- member	Total	National	Incor- porated	Private (unin- cor- porated)	Mutual savings	Member	Non- member	borne by deposi- tors 3 4
	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755
1970 1969 1968 1967 1966	7 9 3 4 8	1 3 1 1 2	6 6 2 3 6	- - - -	1 - 1 - 1 - 1	1 5 1 2 2	6 4 2 2 2 6	53 40 23 11 106	16 12 12 4 4	36 29 11 7 102	- - - -	- - - -	16 15 12 8 4	36 25 11 3 102	
1965 1964 1963 1962 1961	9 8 2 3 9	2 1 - 1 2	3 7 2 1 4	4 - 1 3	- - - - -	2 1 - 1 3	7 7 2 2 6	45 24 23 4 10	42 3 - 3 5	1 20 23 1 4	1 - - - 1	- - - - -	42 3 - 3 7	3 20 23 1 4	450
1960 1959 1956-1960 1951-1955 1947-1950	2 3 20 23 23	- 3 3 8	2 3 13 17 11	- 4 3 4	- - - -	- 4 4 10	2 3 16 19 13	8 3 45 70 33	- 18 8 16	8 3 25 59 15	- 2 3 2	- - - - -	19 27 24	8 3 26 42 9	257 15 601 880 69
1941-1946 1934-1940 1933 ⁸ 1932 1981	49 448 4,004 1,456 2,294	20 45 1,101 276 409	29 383 2,790 1,140 1,804	19 109 37 80	2 4 8 1	24 61 1,275 331 516	25 388 2,729 1,125 1,778	⁶ 59 ⁷ 477 3,601 725 1,691	36 59 1,611 214 439	23 412 1,975 494 1,230	13 8 21	(Z)	42 232 2,394 269 783	17 245 1,207 456 958	68 9,178 540 168 391
1930 1929 1928 1927 1926	1,352 659 499 669 976	161 64 57 91 123	1,181 564 422 545 801	58 31 19 33 52	2 1 - -	188 81 78 122 158	1,164 578 426 547 818	869 231 143 199 260	170 42 36 46 44	668 181 103 149 207	15 8 3 4 9	(Z)	373 58 47 63 67	496 178 96 136 193	237 77 44 61 83
1925 1924 1923 1922 1921	618 775 646 367 505	118 122 90 49 52	461 616 533 294 409	39 37 23 23 44	- - 1 -	146 160 1 22 62 71	472 615 524 305 434	168 210 150 93 172	56 65 34 20 21	104 138 114 69 143	8 8 2 2 9		65 79 47 27 38	102 132 103 66 134	61 79 62 38 60

		Number	r of suspens	sions				Numbe	r of suspens	sions			N	umber of s	spensions	
			State co	mmercial					State com	mercial 10						
Year ¹	Total	National	Incorporated	Private (unin- cor- porated)	Mu- tual sav- ings	Year 1	Total	National	Incorporated	Private (unin- cor- porated)	Mu- tual sav- ings	Year 1	Total	National	State commer- cial ¹⁰	Mu- tual sav- ings
	741	742	743	744	745		741	742	743	744	745		741	742	743-744	745
1920 1919 1918 1918 1917 1916 1915 1914 1913 1912 1911 1910 1908 1907 1908 1907 1908 1907 1908 1905 1904 1903 1902	168 63 47 49 52 152 151 105 80 87 63 79 155 91 53 80 128 52 54	7 2 2 5 8 20 15 13 6 5 6 8 19 12 6 20 22 13 4	136 59 35 29 32 93 107 75 51 58 40 37 83 58 34 25 53	24 1 10 15 15 12 89 27 15 21 22 12 38 51 20 13	1 1 1 - - 2 2 2 2 2 2 1 - - - 8 - - - 8 - - - - - - - - - - -	1901	69 36 36 67 145 155 124 89 496 83 62 87 18 39 25 20 46 63	9 5 10 11 28 34 34 23 69 12 16 6 3 12 5 6	1 1 1 1 1	0 5	1 1 4 6 14 6 5 3 2 2 1 4 1 1 5 8	1883 1882 1881 1880 1879 1879 1877 1876 1875 1874 1873 1873 1872 1871 1870 1869 1868 1867 1866 1865 1865	33 22 11 18 37 140 99 59 28 57 41 19 10 3 7 14 8 7	1 3 - 5 7 10 8 8 8 3 10 4 6 - 1 16 4 2	27 19 9 10 200 70 63 37 14 40 33 10 7	5 -2 3 10 60 28 14 11 7 4 8 8

Represents zero. Z Less than \$500,000.

For 1864-1891, all series except mutual savings banks are for year ending June 30; for nutual savings banks the date is not specified in the source. For 1892-1920, for all banks other than private, figures are for calendar year; for private banks, figures vary in ending date of reporting year as follows: 1892, June 30; 1893 (14 months), Aug. 31; 1894-1899, Aug. 31; 1900-1919, June 30; and 1920 (18 months), Dec. 31. For 1921-1970, all series are for calendar years. Series X. 741 is composite as to reporting period since it comprises the summation of series X. 742-745.

Excludes deposits for 7 noninsured banks, for which data were unavailable.

Beginning 1934, based on estimates.

In commercial banks only. Estimated losses to depositors in mutual savings banks were as follows: 1922, \$213,000; 1925, \$31,000; 1930, \$6,530,000; 1931, \$157,000; 1932, \$4,738,000; 1933, \$7,085,000. (See Annual Report of the Federal Deposit Insurance Corporation, 1934, p. 113).

⁵ Excludes deposits for 1 foreign-owned bank closed in 1941 by order of the Federal Government, requiring disbursements by the Corporation.

⁶ Excludes 1 noninsured bank placed in receivership in 1934 with no deposits at time of closing.

⁷ Excludes deposits for two cases requiring disbursements by the Corporation: 1 bank in voluntary liquidation in 1937, 1 noninsured bank in 1938 with insured deposits at date of suspension, its insurance status having been terminated prior to suspension.

⁸ Figures not wholly comparable with earlier years; see text.

⁹ Figures not comparable with losses to depositors shown in footnote 4 because source data differ for these series.

¹⁰ Prior to 1892, the figures shown include all State commercial banks; separate figures for private bank suspensions are not available.

BANKING X 756-767

Series X 756-767. Banks Closed Because of Financial Difficulties: 1934 to 1970

		Nı	ımber of baı	nks			De	posits (\$1,0	00)			banks in- rederal De-
			by Federal ance Corpor					s insured by nsurance Co		-	posit lr Corporatio	surance on (\$1,000)
Year	Total	Total	With disb by F	ursements DIC	Not insured by FDIC 4	Total	Total		oursements DIC	In banks not insured by FDIC 4	Ву	By
		insured 1	Deposit payoff cases 2	Deposit assumption cases 3	1210		insured 1	Deposit payoff cases ²	Deposit assumption cases 3		FDIC :	depositors 6
	756	757	758	759	760	761	762	763	764	765	766	767
1970 1969 1968	7 9 3	7 9 3	4 4	3 5 3	1 -	52,763 40,120 22,524	52,340 40,120 22,524	31,008 8,998	21,332 31,122 22,524	423 _ _	11,973 446 2,971	
1967	8	7	4 1	- 6	- 1	10,878 106,171	10,878 103,523	10,878 774	102,749	2,648	2,371 5,018 5,576	
1965	9 8 2 3	5 7 2 1 5	3 7 2 - 5	2 - 1	4 1 2 4	45,232 23,751 23,429 4,220 10,611	43,837 23,322 23,429 3,000 8,936	42,865 23,322 23,439 - 8,936	3,000	1,395 429 - 1,220 1,675	5,318 4,951 1,586 (767) 1,576	450
1960	2 3 9 3 3	1 3 4 2 2	1 3 3 1 1	- 1 - 1	1 - 5 1	7,965 2,593 10,413 12,502 11,689	6,930 2,593 8,240 11,247 11,329	6,930 2,593 4,156 1,163 4,702	4,084 - 6,628	1,035 - 2,173 1,255 360	105 42 - 265	15 8 - 58
1955	5 4 5 4 5	5 2 4 3 2	4	1 2 2 3 2	2 1 1 3	11,953 2,948 45,101 3,313 6,464	11,953 998 44,711 8,170 3,408	6,503 - - - -	5,450 998 18,262 3,170 3,408	1,950 390 143 3,056	282 263 792 3	8
1950	5 9 3 6 2	4 5 3 5 1	- - - -	4 4 3 5	1 4 1 1	5,555 9,217 10,674 7,207 494	5,513 6,665 10,674 7,040 347	7 []]	5,513 5,475 10,674 7,040 347	2,552 2,552 167 147	1,385 869 641 79	
1945. 1944. 1943. 1942.	1 2 5 23 16	1 2 5 20 14	1 4 6 7	1 1 1 14 7	- - 3 2	5,695 1,915 12,525 19,541 718,805	5,695 1,915 12,525 19,186 18,726	456 6,637 1,816 3,789	5,695 1,459 5,888 17,369 14,987	355 79	40 123 688 591	3 12 5 33
1940	48 72 80 83 72	43 60 73 76 69	19 32 49 49 42	24 28 24 25 27	5 12 7 7 3	142,787 160,211 60,444 34,141 28,100	142,429 157,772 59,406 33,613 27,508	5,657 32,738 10,018 14,896 11,241	136,773 125,034 49,388 18,389 16,267	358 2,439 1,038 528 592	3,783 7,153 2,425 3,550 2,455	31 936 40 110 171
1935 1934	32 61	26 9	24 9	1 -	6 52	13,987 37,332	13,404 1,968	9,091 1,968	4,229	583 35,364	2,707 207	416 20

⁴Previously published data adjusted to add 4 cases in 1934; 1 in 1937; 1 in 1938; 2 in 1939; 1 in 1940; 1 in 1941; and to exclude 1 case in 1935; and 1 case in 1938. Deposits not available for 1 bank in 1938; 2 in 1939; 1 in 1940; 1 in 1941; and 1 in 1954. Excludes 1 bank placed in receivership in 1934, with no deposits at time of closing. Deposits are not available for 7 banks.

⁵ Includes loss in the 1938 case mentioned in footnote 2 and estimated loss in cases not yet closed. Beginning 1962, data are changes in amount of the cumulative losses during the year. Figure in parentheses represents net recoveries. Total losses (including estimated losses in active cases) at end of 1970 were \$67,703.

⁶ Tabulated by Federal Deposit Insurance Corporation from receivership records. Includes loss in the 1938 case mentioned in footnote 2 and estimated loss in cases not yet closed.

⁷ Excludes deposits for 1 foreign-owned bank closed in 1941 by order of the Federal Government, requiring disbursements by FDIC.

Represents zero.

Includes the following banks not shown separately which reopened or had their deposits assumed by another insured bank without financial aid of the Federal Deposit Insurance Corporation: 1985, 1 bank with deposits of \$85 thousand; 1972 banks with deposits of \$328 thousand; 1949, 1 bank with deposits of \$1,190 thousand; 1953, 2 banks with deposits of \$26,449 thousand; 1957, 1 bank with deposits of \$10,084 thousand; and 1962, 1 bank with deposits of \$30,084 thousand; and 1962, 1 bank with deposits of \$3,011 thousand. (See Annual Report of Federal Deposit Insurance Corporation, 1941, pp. 99 and 101; 1949, p. 191; 1953, p. 80; 1957, p. 8; 1962, p. 4).

Banks placed in receivership with deposits paid, to insurance maximum, by Federal Deposit Insurance Corporation, adjusted to exclude: 1937, 1 bank in voluntary liquidation; 1938, 1 noninsured bank with insured deposits at date of suspension (insured status having been terminated prior to suspension); 1941, 1 foreign-owned bank closed by order of the Federal Government.

Banks in financial difficulties with deposits assumed by other insured banks, with financial aid of Federal Deposit Insurance Corporation.

Series X 768-775. National Banks-Earnings and Expenses: 1869 to 1970

[In millions of dollars, except number of banks. Includes Alaska, Hawaii, and outlying areas]

Year 1	Num- ber of banks	Gross earn- ings	Ex- penses ⁵	Net current earn- ings ²	Net losses including depre- ciation (-) or net recover- ies (+)	Net profits	Cash divi- dends declare		nt al al	Year 1	Num- ber of banks	Gross earn- ings	Ex- penses ²	Net current earn- ings ²	Net losse includi depri ciatio (-) o net recove ies (-	s ng > Net on profits or	Cash divi- dends declared	Net profits as percent of total capital accounts
	768	769	770	771	772	773	774	775			768	769	770	771	772	773	774	775
1970 1969 1968 1967 1966	4,621 4,669 4,716 4,758 4,799	20,434 18,221 14,998 12,651 11,305	17,542 15,565 12,218 10,375 9,099	2,892 2,656 2,779 2,276 2,207	-593 -634 -848 -518 -624	2,299 2,022 1,932 1,757 1,583	1,278 1,068 897 796 738	9. 9. 9.	0 4 2	1930 192 9 1928 1927 1926	7,038 7,408 7,635 7,765 7,912	1,325 1,407 1,351 1,227 1,212	990 988 988 919 857	336 418 363 308 354	-12 -7 -6	26 293 22 293 30 258	227 195 184	4.0 7.8 8.2 7.9 8.0
1965 1964 1963 1962 1961	4,815 4,773 4,615 4,503 4,513	9,705 8,148 7,302 6,596 5,955	7,836 6,536 5,917 5,304 4,751	1,870 1,612 1,386 1,292 1,203	-482 -388 -180 -223 -161	1,387 1,213 1,206 1,069 1,042	688 598 548 518 486	8. 9. 8.	5 2 7	1925 1924 1923 1922 1921	8,054 8,049 8,184 8,225 8,169	1,160 1,094 1,065 1,043 1,121	823 776 758 717 775	338 318 307 326 347	-10 -11 -11	14 214 12 19 15 21	155 152 161	8.2 7.4 6.7 7.4 6.5
1960 1959 1958 1957 1956	4,530 4,542 4,585 4,627 4,659	5,756 5,183 4,539 4,284 3,833	4,450 3,845 3,660 3,252 2,768	1,305 1,338 878 1,031 1,065	-259 -538 +11 -301 -418	1,046 800 889 730 647	451 423 393 364 330	8. 9. 8.	0 4 3	1920 1919 1918 1917 1916	8,130 7,890 7,705 7,604 7,579	1,211 993 814 667 591	817 671 510 411 371	393 322 304 257 220	-5 -6	73 249 91 213 92 194	135 130 126	9.9 10.2 9.4 8.8 7.5
1955 1954 1953 1962 1951	4,700 4,796 4,864 4,916 4,946	3,437 3,226 3,068 2,751 2,454	2,551 2,528 2,310 2,067 1,812	885 699 758 684 642	-242 +42 -185 -122 -135	643 741 573 561 507	310 300 278 259 248	9. 7. 8.	6 9 2	1915 1914 1913 1912 1911	7,605 7,525 7,473 7,372 7,277	528 516 499 450 429	322 301 285 259 232	206 214 215 191 197	-6 -8	5 149 4 16 2 14	121 120 120	6.0 7.3 7.9 7.5 8.1
1950 1949 1948 1947 1946	4,965 4,981 4,997 5,011 4,013	2,193 2,005 1,900 1,725 1,574	1,593 1,442 1,361 1,263 1,138	600 563 540 461 436	-63 -88 -116 -8 +59	538 475 424 453 495	230 208 194 184 170	8. 7. 8.	6	1910 1909 1908 1907 4 1906	7,145 6,926 6,824 6,429 6,053	403 349 332 315 279	210 177 151 132 120	193 172 182 183 159	-4 -8	10 13 51 13 51 15	93 97 100	8.3 7.5 7.9 511.4 8.6
1945 1944 1943 1942 1941	5,023 5,031 5,046 5,087 5,123	1,349 1,206 1,062 963 926	987 846 746 695 642	362 360 315 268 284	+128 +52 +35 -24 -15	490 412 350 243 269	156 144 132 128 133	10. 9. 6.	0 1 6	1905 1904 1903 1902 1901	5,668 5,331 4,939 4,535 4,165		112 103 93 85 78	136 146 141 136 111	-8 -8	13 113 12 110 19 10	76 64 68	7.5 8.4 8.6 9.0 7.7
1940 1939 1938 1937 1936	5,150 5,193 5,230 5,266 5,331	865 848 838 859 825	599 581 577 586 565	265 267 261 273 260	24 16 62 45 +-54	241 252 199 228 314	133 131 123 123 120	7. 6. 7.	1 1	1900 1899 1898 1897 1896	3,732 3,583 3,582 3,610 3,689	194 157 143 138 142	73 68 62 61 61	121 88 81 77 81	-8 -8	14 54 11 50 12 44	47 44 42	8.6 5.7 5.2 4.6 5.1
1935 1934 ³ 1933 ³ 1932 1931	5,392 5,467 5,159 6,016 6,373		549 558 565 750 850	245 251 236 250 303	-87 -405 -523 -415 -358	158 -153 -286 -165 -55	113 91 72 134 193	$\begin{bmatrix} -5.\\ -9.\\ -5. \end{bmatrix}$	6	1895 1894 1893 1892 1891	3,715 3,770 3,807 3,759 3,652	152 149	60 60 61 59 55	75 80 91 90 96	-3 -2 -2	18 42 12 69 13 67	45 50 50	4.8 4.2 6.7 6.6 7.7
									- 1	1890 1889 1888	3,484 3,239 3,120	145 135 129	51 50 45	93 86 84	i _i	6 70	47	7.7 8.0 7.8
Year :		Num- ber of oanks	Net profits	Cash divi- dends declared	Net profits as percent of total capital accounts	Year		Num- ber of banks		Net ofits	Cash divi- dends leclared	Net profits as percent of total capital accounts	Year		Num- ber of banks	Net profits	Cash divi- dends declared	Net profits as percent of total capital accounts
		768	773	774	775			768	7	773	774	775			768	773	774	775
1887 1886 1885 1884		3,014 2,809 2,689 2,625	65 55 44 52	44 42 41 41	8.0 7.3 6.0 7.1	1880 1879 1878 1877 1876		2,076 2,048 2,056 2,078 2,091		45 32 31 35 44	36 35 37 44 47	7.2 5.1 4.9 5.3 6.4	1874 1873 1872 1871		1,933 1,968 1,853 1,723	60 65 58 55	48 50 47 44	8.8 9.8 9.3 9.2
1883 1882 1881		2,417 2,289 2,115	54 53 54	41 41 38	7.6 8.1 8.4	1875		2,076		58	49	8.4	1870 1869 ⁶		1,612 1,619	56 29	43 22	9.9 10.7

¹ All data except number of banks are for calendar year, 1919–1970; year ending June 30, 1907–1918; and year ending Aug. 31, 1869–1906. Number of banks are as of end of period.

² Income taxes have been treated as an expense throughout. Beginning in 1943, these figures differ from those shown in the source volume, because income taxes in the source volume are shown separately from other expenses and as a deduction from net current earnings.

<sup>Licensed banks, i.e., those operating on an unrestricted basis.
10 months only.
Annual basis.
6 months only.</sup>

Series X 776-791. Insured Commercial Banks-Earnings and Expenses: 1934 to 1970

[In millions of dollars, except number of banks. Includes Alaska, Hawaii, and outlying areas]

				Earnings				Expenses				Net		Net		Net
Year	Num- ber of banks	Total	On loans	On securities	Service charges, deposit accounts	Other 1	Total	Salaries and wages ²	Interest on time deposits	Other 123	Net current earn- ings 4	losses (-) or net recover- ies (+)	Taxes on net income 3	profits (after income taxes)	Cash divi- dends	profits as percent of capital accounts
	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791
1970	13,511 13,473 13,488 13,517 13,541	34,716 30,807 25,478 21,782 19,508	5 23,973 5 21,539 16,723 14,351 18,043	6,539 5,747 5,381 4,507 3,849	1,178 1,120 1,056 987 915	3,025 2,401 2,318 1,936 1,701	27,789 24,077 19,354 16,554 14,562	6,657 5,879 5,102 4,538 4,096	10,484 9,790 8,682 7,380 6,209	10,648 8,408 5,571 4,636 4,207	7,128 6,730 6,124 5,228 4,947	$ \begin{array}{r} 6 - 117 \\ 6 - 231 \\ -1,431 \\ -909 \\ -1,232 \end{array} $	72,174 72,164 1,267 1,177 1,030	4,837 4,335 3,426 3,142 2,684	2,040 1,769 1,589 1,426 1,307	11.76 11.34 9.70 9,56 8.70
1965	13,547 13,493 13,291 13,124 13,115	16,817 15,024 13,510 12,219 11,070	11,000 9,612 8,517 7,578 6,891	3,510 3,326 3,098 2,852 2,531	843 781 729 681 630	1,465 1,305 1,167 1,107 1,017	12,486 10,897 9,715 8,589 7,440	3,762 3,519 3,284 3,074 2,899	5,071 4,088 3,464 2,845 2,107	3,653 3,290 2,966 2,670 2,435	4,331 4,127 8,795 3,630 3,629	-787 -695 -415 -370 -227	1,029 1,148 1,227 1,256 1,406	2,515 2,284 2,153 2,004 1,996	1,202 1,088 993 941 895	8.73 8.65 8.86 8.83 9.37
1960	13,124 13,165 13,218	10,724 9,669 8,501 8,050 7,232	6,699 5,857 5,047 4,880 4,340	2,369 2,278 2,046 1,855 1,713	590 532 487 441 386	1,066 1,002 922 875 793	6,933 6,264 5,613 5,119 4,457	2,854 2,629 2,449 2,313 2,136	1,785 1,580 1,381 1,142 806	2,293 2,055 1,783 1,665 1,516	3,791 3,405 2,888 2,981 2,775	-404 -1,033 +85 -559 -748	1,384 884 1,271 998 815	2,003 1,488 1,702 1,374 1,217	832 776 726 678 617	10.03 7.94 9.60 8.30 7.82
1955 1954 1953 1952 1951	13,237 13,323 13,432 13,439 13,455	6,378 5,774 5,484 4,932 4,395	3,626 3,206 3,108 2,742 2,390	1,685 1,598 1,505 1,376 1,233	340 312 271 245 231	727 659 600 569 542	3,960 3,638 3,376 3,029 2,701	1,935 1,799 1,687 1,526 1,378	678 618 534 458 385	1,346 1,221 1,154 1,044 938	2,418 2,136 2,108 1,903 1,694	-468 +79 -296 -218 -226	794 908 786 695 559	1,156 1,307 1,026 990 908	566 517 474 442 419	7.90 9.50 7.93 8.07 7.82
1950 1949 1948 1947 1946	13,446 13,436 13,419 13,403 13,359	3,931 3,607 3,404 3,098 2,863	1,976 1,734 1,578 1,264 937	1,241 1,215 1,198 1,259 1,395	212 194 174 148 125	501 464 454 427 406	2,445 2,284 2,164 1,982 1,763	1,226 1,133 1,065 966 848	343 328 317 298 269	875 822 782 717 646	1,486 1,323 1,240 1,116 1,100	-121 -167 -219 -32 +125	428 325 275 302 323	937 831 745 781 902	391 354 332 315 299	8.51 7.98 7.49 8.20 10.01
1945	13,802 13,268 13,274 13,347 13,427	2,482 2,215 1,959 1,791 1,730	708 681 692 805 848	1,300 1,090 861 610 509	110 107 95 84 3	365 337 310 291	1,523 1,357 1,256 1,222 1,266	706 640 594 564 527	233 187 164 175 190	584 530 498 483 549	960 858 703 569 464	+245 +96 +62 -48 -10	299 203 128 80	906 751 638 441 455	274 253 233 228 253	10.87 9.73 8.82 6.34 6.72
1940	13,534 13,657 13,795 13,969 14,123	1,631 1,606 1,584 1,634 1,567 1,486 1,518	769 727 705 710 663 643 691	500 522 532 572 574 548 550	3 3 3	63 57 47 52 30 95	1,193 1,160 1,159 1,167 1,126 1,083 1,117	498 484 474 463 437 411 402	201 215 230 235 237 262 303	495 461 455 468 451 410 413	438 446 425 467 441 403 401	-37 -57 -125 -86 +83 -196 -741		401 389 300 381 524 207 -340	237 232 222 226 223 208 188	6.01 5.96 4.67 5.94 8.28 3.34 -5.49

¹ Beginning 1961, rentals from bank premises are excluded from "other" earnings and are netted against "other" expenses. ² Beginning 1961, "other" expenses includes fees paid to directors and committees, formerly included with "salaries and wages." ³ Prior to 1942, taxes on net income have been included with other expenses. Taxes on net income for insured nonmember commercial banks for 1936–1941 are available separately in Annual Reports of the Federal Deposit Insurance Corporation.

 See S. See Touthout 3.
 Includes income on Federal funds sold.
 Net
 Estimated taxes applicable to operating earnings. 6 Net amounts after applicable taxes.

Series X 792-795. Bank Clearings at Principal Cities: 1854 to 1970 [In millions of dollars]

New York City Total, United States Outside New York City New York City Outside 36 cities 36 cities Total, United New York City outside New York City 12 York City outside New York City 1 States Year Year Year 792 792 795 793 794 792 795 794 793 3,745,829 3,299,192 2,427,539 1,831,058 1,507,370 1,359,988 1,287,987 1,149,108 1,064,203 1,010,183 384,483 286,349 248,560 192,939 183,263 260,331 249,685 284,757 201,060 172,272 387,854 320,989 305,062 242,236 173,151 146,464 123,528 95,055 1970 1969 1968 1967 1966 1945 1944 1943 214,703 174,524 181,534 147,181 ----------------72,347 74,089 75,071 72,014 67,119 163,189 163,850 173,193 1915______ 1,280,406 1,091,636 970,985 883,586 813,738 933,673 840,326 753,781 734,208 692,032 160,878 165,914 165,156 186,740 193,549 135,789 124,286 114,054 130,340 120,054 1914_____ 1913_____ 1912_____ 1911_____ 1939_____ 1938_____ 1937_____ 1936_____ 168,686 159,540 96,672 92,420 66,433 59,620 52,608 59,161 53,927 102,554 99,258 73,631 95,315 103,754 1910_____ 168.987 1935 _____ 1934 _____ 1933 _____ 1932 _____ 1931 _____ 738,604 668,461 623,611 581,450 559,157 665,194 649,098 591,603 599,274 569,265 300,913 264,268 243,891 258,523 411,754 181,551 161,507 157,414 160,138 263,270 1909 1908 1907 1906 103,948 89,940 75,301 158,877 126,239 154,477 157,681 85,625 129,855 148.484 48,623 42,684 43,130 41,139 37,799 91,879 59,673 70,834 74,758 77,021 140,502 102,356 113,963 115,892 114,820 1905_____ 1955 1954 1953 1952 1951 547,675 500,884 492,594 470,403 455,621 173,045 208,914 201,727 195,124 194,271 530,883 532,029 470,289 461,724 431,775 544,542 715,692 623,366 544,414 512,567 347,110 477,242 391,727 321,234 290,355 197,433 238,450 231,638 223,180 222,212 1930_____ 1929______ 1928______ 1927______ 1926______

283,619 249,868 213,996 217,900 194,331 243,135

500,354

445,747 404,512 384,977 349,757 439,792

216,734 195,878 190,515 167,076 155,426 196,657

190,358 171,786 166,092 145,730 135,699 177,044

See footnotes at end of table.

399,309 358,845 371,554 361,238 366,065

403.905

356,111 374,727 338,537 298,129

1925_____

1924 1924 1923 1922 1921 1920

32,618 31,461 26,072 22,842 22,585

51,965 57,368 39,853 31,338 29,351

84,582 88,829 65,925 54,180 51,936

1900______

1899..... 1898..... 1897..... 1896....

⁴ Prior to 1942, represents net current earnings after deduction of income taxes; thereafter, net current earnings before deduction of income taxes, and beginning 1969, net current earnings before deduction of income taxes and securities gains or losses. See footnote 3.

Series X 792-795. Bank Clearings at Principal Cities: 1854 to 1970—Con.

[In millions of dollars]

Year	Total, United States	New York City	Outside New York City	Year	Total, United States	City	Outside New York City	Year	New York City	Year	New York City	Year	New York City	Year	New York City
	794	792	795		794	792	795		792		792		792		792
1895	50,975 45,028 58,881 60,884 57,181 59,882 53,501 48,751	28,264 24,230 34,421 36,280 34,054 37,661 34,796 30,864	22,711 20,798 24,460 24,604 23,127 22,221 18,705 17,887	1887 1886 1885 1884 1883 1882 1881	52,127 48,212 37,770 47,387 53,536 61,054	34,873 33,375 25,251 34,092 40,293 46,553 48,566	17,254 14,837 12,519 13,295 13,243 14,501	1880 1879 1878 1877 1876 1875 1873	37,182 25,179 22,508 23,289 21,597 25,061 22,856 35,461	1872 1871 1870 1869 1868 1867 1866	33,844 29,301 27,805 37,407 28,484 28,675 28,717	1865 1864 1863 1862 1861 1860	26,032 24,097 14,868 6,871 5,916 7,231	1859 1858 1857 1856 1855 1854	6,448 4,757 8,333 6,906 5,363 5,750

¹ Excludes Los Angeles.

Series X 796-805. Federal Reserve Banks—Principal Assets and Liabilities: 1914 to 1970 [In millions of dollars. As of December 31]

		R	eserve bank cr	edit outstandi	ng	Total assets	Dep	osits	Federal	
Year	Reserves, total	Total loans and securities ¹	Discounts and advances	Bills bought	U.S. Government securities	or liabilities and capital accounts	Total	Member bank reserve account	Reserve notes in actual circulation 2	Capital accounts
	796	797	7 9 8	799	800	801	802	803	804	805
1970 1969 1968 1967 1966 1965 1964 1963 1962 1961	10,457 10,036 10,026 11,481 12,674 13,436 15,075 15,237 15,696 16,615	62,534 57,401 53,183 49,455 44,682 41,092 37,824 33,818 80,968 29,062	335 183 188 141 173 137 186 63 38	57 64 58 164 193 187 94 162 110	62,142 357,154 52,937 49,150 44,316 40,768 37,044 33,593 30,820 28,881	85, 913 80, 854 75, 885 72, 026 67, 043 62, 652 60, 389 56, 176 53, 931 52, 470	26, 687 24, 338 28, 484 22, 920 20, 957 19, 620 19, 456 18, 391 18, 722 18, 451	24,150 22,085 21,818 20,999 19,779 18,447 18,086 17,049 17,454 17,887	50, 323 47, 473 44, 726 41, 642 39, 339 37, 074 34, 659 32, 381 30, 151 28, 802	1,404 1,338 1,260 1,196 1,140 1,102 1,048 1,487 1,401 1,333
1960 1959 1958 1957 1956 1955 1954 1953 1952 1951	17,479 19,164 19,951 22,085 21,269 21,009 21,033 21,364 21,986 21,468	27,491 27,181 26,460 24,360 25,084 24,921 25,076 25,945 24,857 23,825	33 458 64 55 50 108 143 28 156	74 75 49 66 69 28	27,384 26,648 26,347 24,238 24,915 24,785 24,932 25,916 24,697 23,801	50,859 54,028 53,095 53,028 52,910 52,340 50,872 52,315 51,852 49,900	18, 316 19, 716 19, 526 20, 117 20, 249 20, 355 20, 371 21, 422 21, 344 21, 192	17,081 18,174 18,504 19,034 19,059 19,005 18,876 20,160 19,950 20,056	27, 924 28, 262 27, 872 27, 585 27, 476 26, 921 26, 253 26, 558 26, 250 25, 064	1,226 1,174 1,341 1,291 1,209 1,132 1,084 1,025 972 909
1950 1949 1948 1947 1946 1945 1944 1943 1942 1941	21,458 23,176 22,966 21,497 18,381 17,863 18,687 20,096 20,908 20,764	20,848 18,965 23,556 22,646 23,513 24,513 18,930 11,558 6,208 2,267	67 78 223 85 163 249 80 5 6		20,778 18,885 23,333 22,559 23,350 424,262 418,846 411,543 46,189 42,254	47,172 45,643 50,043 47,712 45,006 45,063 40,269 33,955 29,019 24,858	19,810 18,906 22,791 19,731 17,853 18,200 16,411 15,181 15,194 14,678	17,681 16,568 20,479 17,899 16,139 15,915 14,373 12,886 13,117 12,450	23,587 23,483 24,161 24,820 24,945 24,649 21,731 16,906 12,193 8,192	869 832 761 696 678 587 486 429 381 373
1940 1939 1938 1937 1936 1935 1934 1933 1932 1931	1 7.835	2,195 2,502 2,584 2,592 2,461 2,473 2,457 2,670 2,128 1,825	3 7 4 10 3 5 7 98 235 638	1 1 3 5 6 133 33 339	4 2,184 4 2,484 2,564 2,564 2,430 2,431 2,430 2,437 1,855 817	28,262 19,027 15,581 12,880 12,525 11,026 8,442 7,041 6,115 5,672	16,127 12,941 10,088 7,577 7,109 6,386 4,405 2,865 2,561 2,125	14,026 11,653 8,724 7,027 6,606 5,587 4,096 2,729 2,509 1,961	5,981 4,959 4,452 4,284 4,284 3,709 3,221 3,080 2,739 2,624	369 349 344 341 335 331 445 430 420
1930 1929 1928 1927 1926 1925 1924 1923 1922 1921	2,824 3,047 3,169 3,166	1,352 1,548 1,783 1,591 1,335 1,395 1,249 1,211 1,326 1,524	251 632 1,056 582 637 643 320 723 618 1,144	364 392 489 892 381 374 387 255 272 145	729 511 228 617 315 375 540 134 436 234	5,201 5,458 5,352 5,346 5,150 5,109 5,096 5,066 5,252 5,151	2,517 2,414 2,440 2,531 2,276 2,257 2,311 1,964 1,876	2,471 2,355 2,389 2,487 2,194 2,212 2,220 1,893 1,934 1,753	1,664 1,910 1,838 1,790 1,851 1,838 1,862 2,247 2,396 2,409	444 448 401 366 354 338 330 331 326 319
1920 1919 1918 1917 1916 1915	2,250 1,990 2,146 1,672 757 555 268	3,235 3,090 2,291 1,060 222 84 11	2,687 2,215 1,766 660 29 32	260 574 287 273 129 24	287 300 239 122 55 16	6,254 6,324 5,250 3,164 1,211 697 330	1,861 2,022 1,808 1,583 5879 5452 5801	1,781 1,890 1,636 1,447 5722 5401	3,336 3,009 2,659 1,247 275 189	802 208 104 71 56 55

² Beginning 1963, figures are for New York City and 25 other cities.

^{1 1914-1959,} includes industrial advances not shown separately.
2 Includes Federal Reserve notes held by the U.S. Treasury or by a Federal Reserve bank other than the issuing bank.
3 Includes securities loaned-fully secured by U.S. Government securities pledged with Federal Reserve banks.
4 Includes guaranteed ohligations which were not issued until late in 1933. Reserve banks were first authorized to purchase them in 1934. The only holdings of

such securities prior to 1939 were \$181,000 at the end of 1935, which were included in "other securities."

Frigures not comparable with later years in part because prior to June 21, 1917, member banks were not required to keep all of their legal reserves with the Reserve banks; also, for 1914–1916, deferred availability accounts, subsequently shown separately in the source, are included in total deposits.

BANKING X 806-820

Series X 806-812. Federal Reserve Banks—Earnings and Expenses: 1914 to 1970

							in thousant	is of dollars							
			Net earnings	D	isposition o	f net earnir	1gs				Net earnings	D	isposition o	f net earnin	gs
Year	Current earnings	Current expenses	before payments to U.S. Treasury	Divi- dends paid	Franchise tax paid to U.S. Treasury ²	Paid to U.S. Treasury ³	Trans- ferred to surplus	Year	Current earnings	Current expenses	before payments to U.S. Treasury 1	Divi- dends paid	Franchise tax paid to U.S. Treasury ²	U.S. Treasury 3	Trans- ferred to surplus
	806	807	808	809	810	811	812		806	807	808	809	810	811	812
1969 1968	3,877,218 3,373,361 2,764,446 2,190,404 1,908,500	274,973 242,350	3,567,287 3,097,830 2,530,616 1,972,377 1,702,095	41,137 39,237 36,959 35,027 33,696	3,493,571 3,019,161 2,463,629 1,907,498 1,649,455		32,580 39,432 30,027 29,851 18,944	1940 1939 1938 1937 1936	43,538 38,501 36,261 41,233 37,901	28,647 28,912	12,243 9 582	8,110 8,019		82 25 120 177 227	17,563 4,108 1,443 2,684 455
1965 1964 1963 1962 1961	1,559,484 1,343,747 1,151,120 1,048,508 941,648	204,290 197,396 187,273 176,136 161,275	872,316	32,352 30,782 28,912 27,412 25,570	1,296,810 1,582,119 879,685 799,366 687,393		27,054 -465,823 55,864 45,588 70,892	1934 1933 1932	42,752 48,903 49,487 50,019 29,701	29,241 29,223 26,291	22.314	8,505 8,782 8,874 9,282 10,030	2.011		635 6,450 -917 11,021 -7,058
1960 1959 1958 1957 1956	1,103,385 886,226 742,068 763,348 595,649	153,882 144,703 187,722 131,814 121,182	839,771 604,471 624,393	23,948 22,722 21,197 20,081 18,905	896,816 910,650 524,059 542,708 401,556		42,613 -93,601 59,215 61,603 53,983	1929 1928 1927	36,424 70,955 64,053 43,024 47,600	26,905 27,518	7,988 36,403 32,122 13,048 16,612	10,269 9,584 8,458 7,755 7,329	17 4,283 2,585 250 818		-2,298 22,536 21,079 5,044 8,464
1955	412,488 438,486 513,037 456,060 394,656	113,515 104,694	352,950	17,712 16,442 15,558 14,682 13,865	276,289 342,568 291 935		32,710 35,888 40,337 46,334 28,321	1924 1928 1922	41,801 38,340 50,709 50,499 122,866	29,764 29,559	3,718 12,711 16,498	6,916 6,682 6,553 6,307 6,120	9 619		2,474 $-3,078$ $2,546$ -660 $15,993$
1950 1949 1948 1947 1946	275,839 316,537 304,161 158,656 150,385	80,572 77,478 72,710 65,398 57,235	197,133 95,236	13,083 12,329 11,920 11,523 10,962	75,224	36 67	8.453	1919 1918	181,297 102,381 67,584 16,128 5,218	19,340 10,960 5,160	78,368 52,716 9,582	5,654 5,012 5,541 6,804 1,743	1.134		82,916 70,652 48,834 1,134
1945 1944 1943 1942 1941	142,210 104,392 69,306 52,663 41,380	48,717 49,176 43,546 38,624 32,968	58,438 49,528 12,470	8,669		245 198	48,611 40,372 3,604	1914	2,173	2,321	-141	217			

¹ Current earnings less current expenses plus other additions and less other deductions.
² The Banking Act of 1933 eliminated the provision in the Federal Reserve Act requiring payments of a franchise tax. Beginning in 1947, payments represent interest on Federal Reserve notes; see text.

Series X 813-820. Federal Reserve Banks—Member Bank Reserve Requirements: 1917 to 1970

		Net d	emand depo	sits ^{2 3}			ime deposits member bai			Net d	emand depo	sits ^{2 3}	
Effective date of change ¹	Central reserve	Reserve o	city banks	Country	y banks	Savings	Other tim	e deposits	Effective date of change 1	Central reserve	Reserve city	Country	Time depo- sits 3 4
	city banks	Under \$5 million	Over \$5 million	Under \$5 million	Over \$5 million	deposits	Under \$5 million	Over \$5 million		city banks	banks	banks	
	813	814	815	816	817	818	819	820		813	814-815	816-817	818-820
In effect Dec 31, 1970 1970—Oct. 1		17	171/2	121/2	13	3	3	5 5	1949—Sept. 1 Aug. 25 _ Aug. 18	22 22½ 23	18 18½ 19		
1969Apr. 17_ 1968Jan. 11, 18		17 16½	17½ 17	12½ 12	13 12½				Aug. 11, 16 Aug. 1	231/2	19½	12 13	5
1967—Mar. 16 Mar. 2 1966—Sept. 8,						3 3½	3 3½		June 30, July 1 May 5, 1	24	20 21	14 15	6 7
15 July 14, 21						Ì		6 5	1948Sept. 24, 16 June 11_	26 24	22	16	71/2
1962—Oct. 25, Nov. 1							4		Feb. 27 1942—Oct. 3 Sept. 14 _	22 20 22			
July 28_ 1960—Dec. 1 Nov. 24	(5) 16½								Aug. 20 1941—Nov. 1	24 26	20	14	6 5
Sept. 1 _ 1958—Apr. 24_ 1954—July 29,	17½ 18	16	 3½						1938—Apr. 16 _ 1937—May 1 Mar. 1	22¾ 26 22¾	17½ 20 17½	12 14 12 ¼	5 5 1/4
Aug. 1 June 24, 16	20 21	18	3 	12			5		1936—Aug. 16 _ 1917—June 21 _	19½ 13	15 10	10½ 7	3 3
1953—July 9, 1 1951—Jan. 25, Feb. 1_	22 24	19		13				ļ -					
Jan. 11, 16	23	19		13			6	- -					

³ Payments made pursuant to section 13b of the Federal Reserve Act, relating to loans and discounts for industrial purposes provided for by act of June 19, 1934.

¹ When two dates are shown, the first applies to the change at central reserve or reserve city banks and the second to the change at country banks.

² For definition of net demand deposits, see text.

³ Beginning October 16, 1969, member banks were required to maintain reserves at 10 percent against balances above a specified base due from domestic offices to their foreign branches.

⁴ Effective January 5, 1967, time deposits such as Christmas and vacation club accounts became subject to same requirements as savings deposits.
⁵ Authority of the Board of Governors to classify or reclassify cities as central reserve cities was terminated effective July 28, 1962.

Nonbank Financial Institutions (Series X 821-878)

X 821-878. General note.

Financial institutions other than commercial banks perform a role in credit and capital markets by mobilizing the savings of individuals and channeling these funds among various types of investments. As a result, the flow of savings to these institutions and the allocation of these funds to various investments are important determinants of interest rates and prices of securities.

X 821-833. Assets and liabilities of mutual savings banks, 1896-1970.

Source: Board of Governors of the Federal Reserve System. 1896-1944, All-Bank Statistics, 1959, table A-4; 1945-1962, Supplement to Banking & Monetary Statistics, section 12, "Money Rates and Securities Markets," table 26; 1963-1970, Federal Reserve Bulletin, March 1973, p. A39.

Mutual savings banks are mutual thrift institutions chartered by individual States, primarily those in the northeastern part of the United States. They have no capital stock or stockholders. Incorporators provide initial guaranty and expense funds, and under stated conditions these funds may be returned to them out of subsequent earnings. Most deposits in mutual savings banks take the form of passbook savings. After expenses of operations are paid, all earnings are either distributed as interest to depositors or added to reserves (surplus).

Data for 1930 and earlier years are from the Board of Governors of the Federal Reserve System. For 1931–1945, figures were obtained by the National Association of Mutual Savings Banks from State banking departments and directly from some individual savings banks. Reporting procedures for State banking departments were not completely uniform in this period and differed in some respects from those prescribed by the Federal Deposit Insurance Corporation. Beginning 1946, the data were collected by the National Association directly from individual savings banks and generally conform to FDIC reporting procedures.

X 834-844. Selected assets and liabilities of savings and loan associations. 1900-1970.

Source: U.S. Savings and Loan League, Savings and Loan Fact Book, 1967, p. 70; 1971, p. 79; and 1972, pp. 95 and 97.

Savings and loan associations—also known as cooperative banks, building and loan associations, and savings associations—are thrift associations chartered by individual States or by the U.S. Government.

Figures were compiled from the following sources: 1900–1933, U.S. Savings and Loan League, Chicago, Ill.; for insured associations, 1934–1949, annual supervisory reports; 1950–1970, monthly supervisory reports; and for uninsured associations, 1932–1970, annual supervisory reports. Resources of associations in liquidation are not included.

X 845-849. Postal Savings System, 1911-1967.

Source: U.S. Post Office Department, Annual Report of the Post-master General, 1957 and 1969, and unpublished data.

The Postal Savings System was discontinued April 27, 1966, and the accounts were eliminated after June 30, 1967.

X 850-863. Outstanding loans and loan insurance or guarantees of Federal and federally sponsored agencies, by economic sector served, 1917-1953.

Source: R. J. Saulnier, Harold G. Halcrow, and Neil H. Jacoby, Federal Lending and Loan Insurance, Princeton University Press, 1958, appendix A, pp. 365-380 (copyright).

These series are combinations of data shown separately in the source volume for Federal and federally sponsored agencies. That volume shows amount extended during the year as well as amount outstanding. The economic sectors shown here are the major sectors shown in the source volume and an "other" group which combines minor governmental units and miscellaneous sectors. The coverage and classification are described in the source, chapter I, pp. 3–27, the footnote on pp. 28–29, and footnotes of tables Al to A8. The following paragraphs are adapted from that text.

Federally sponsored agencies include all those having a special financial or administrative connection with the Federal Government, whether or not Federal funds were currently invested in them. Thus, they include agencies that were in some respects private or cooperative in ownership and organization but that operated in part with Federal funds; and agencies that, although no longer using Treasury funds, were specially connected with some Federal agency through the latter's power to appoint policymaking officers and in some cases to review policy decisions.

The Federal agencies represented under the various categories of loans, insurance or guarantees, and stock purchases are summarized in the source in footnotes to the economic sector tables (pp. 365-380) and are shown in greater detail in the source tables covering individual agencies (pp. 381-418). For example, among agencies making direct loans to the business sector were the Export-Import Bank of Washington, the Departments of Army and Navy, the Public Works Administration, the War Finance Corporation, the Reconstruction Finance Corporation, and the Smaller War Plants Corporation. Federal Reserve bank loans and participations in loans of private financing institutions to business under section 13b of the Federal Reserve Act were also included. Guarantees of loans to the business sector included guarantees by the Veterans Administration and by Federal agencies under Regulation V of the Board of Governors of the Federal Reserve System, as well as deferred participation commitments of the Reconstruction Finance Corporation.

Credit programs not covered by the tabulation shown here include loans to foreign governments (except the Export-Import Bank), direct and guaranteed loans by the Commodity Credit Corporation, and loans to State governments. Loans of the Export-Import Bank of Washington which could not be fully separated from lending to foreign concerns and to domestic concerns engaged in foreign trade were included in the business sector.

Outstanding amounts relate to three basic categories of Federal credit activities.

X 850-855, direct loans. These include (a) the full amounts of loans extended by specified Federal and federally sponsored agencies; (b) the amounts disbursed to private lenders by Federal agencies in purchasing outstanding loans made under Federal insurance or guarantee; and (c) the amounts disbursed on loans made in participation with private lenders.

Loans exclude credit extended incident to some other activity, as when the U.S. Commercial Company gave open book credit during

World War II in connection with its sales of commodities, and also grant-in-aid programs. Loans made indirectly—as when the Federal intermediate credit banks discount paper for production credit associations, enabling the latter to make loans to farmers—are included, as well as loans going directly to the ultimate borrower; but there is no double counting that would result from interagency loans.

X 856-860, loan insurance or guarantees. Loan insurance covers the full amounts of loans extended by private lenders and insured by Federal agencies. Loan guarantees cover (a) the amounts federally guaranteed, ranging from 100 percent to seldom lower than 50 percent of a privately made loan; and (b) the amounts of the Federal shares authorized under deferred participations, where the Government was ready to take up an agreed percentage of a privately made loan. Thus, credit actually extended under participation agreements with private lenders is included under direct loans; but during the time when there was merely a commitment outstanding to take up all or some part of a loan at the option of the private lender, the amount of the obligation is included as a loan guarantee.

X 861-863, stock purchases. Such purchases are included if identifiable as primarily credit aid, and they covered the amount of Federal funds invested. Stock purchases represent purchases of, and loans on, preferred stocks of banks and insurance companies, and purchases of capital notes and debentures of banks, by the Reconstruction Finance Corporation; purchases of shares of savings and loan associations by the Home Owners' Loan Corporation and the Treasury Department; purchases of stock of agricultural cooperative

associations by the Tennessee Valley Associated Cooperatives, Inc.; and purchases of Class A stock of production credit associations by the production credit corporations.

X 864-878. Federal and State-chartered credit unions—number, members, savings, loans, and total assets, 1925-1970.

Source: U.S. National Credit Union Administration, 1970 Annual Report of the National Credit Union Administration, and the 1970 State-Chartered Credit Union Annual Report.

Early data on operations of credit unions are available in U.S. Bureau of Labor Statistics, *Monthly Labor Review*, 1936–1953 (usually in the latter part of the year), and in BLS Bulletin Nos. 797, 850, 894, and 922.

Data for Federal credit unions, which were authorized by legislation enacted in 1934, represent all operating unions. Data on State-chartered credit unions have been furnished annually by State officials charged with the supervision of such credit unions, to the National Credit Union Administration (formerly Bureau of Federal Credit Unions) since 1951, and to the Bureau of Labor Statistics prior to 1951. Figures for State credit unions represent reporting unions which, in recent years, have included more than 99 percent of all active unions; prior to 1939, the proportion reporting was about 80 percent.

Loans of credit unions (series X 873-875) are principally short-term consumer loans, but they include some real estate mortgage loans and a small amount of business loans.

Series X 821-833. Assets and Liabilities of Mutual Savings Banks: 1896 to 1970

[In millions of dollars. 1896-1944, as of June 30 or nearest available date; thereafter, as of end of year]

		•				Assets						Liabilities	
	Total assets or		Loans			Secu	rities						
Year	liabilities	Total	Mortgage	Other	Total	U.S. Govern- ment	State and local govern- ment	Corporate and other	Cash	Other	Deposits	Other	General reserve accounts
	821	822	823	824	825	826	827	828	829	830	831	832	833
1970	78,995	60,030	57,775	2,255	16,224	3,151	197	12,876	1,270	1,471	71,580	1,690	5,726
	74,144	57,605	55,781	1,824	14,320	3,296	200	10,824	912	1,307	67,026	1,588	5,530
	71,152	54,693	53,286	1,407	14,208	3,834	194	10,180	996	1,256	64,507	1,372	5,273
	66,365	51,514	50,311	1,203	12,721	4,319	219	8,183	993	1,138	60,121	1,260	4,984
	60,982	48,271	47,193	1,078	10,734	4,764	251	5,719	953	1,024	55,006	1,114	4,863
1965		45,295	44,433	862	10,975	5,485	320	5,170	1,017	944	52,443	1,124	4,665
1964		41,067	40,328	739	11,281	5,791	391	5,099	1,004	886	48,849	989	4,400
1963		36,614	36,007	607	11,377	5,863	440	5,074	912	799	44,606	943	4,153
1962		32,658	32,056	602	11,811	6,107	527	5,177	956	695	41,336	828	3,957
1961		29,377	28,902	475	11,877	6,160	677	5,040	937	640	38,277	781	3,771
1960	40,571	27,118	26,702	416	11,991	6,243	672	5,076	874	589	36,343	678	3,550
1959	38,945	25,127	24,769	358	12,437	6,871	721	4,845	829	552	34,977	606	3,362
1958	37,784	23,358	23,038	320	12,970	7,270	729	4,971	921	585	34,031	526	3,227
1957	35,215	21,224	20,971	253	12,612	7,583	685	4,344	889	490	31,684	427	3,105
1956	33,381	19,807	19,559	248	12,206	7,982	676	3,548	920	448	30,026	369	2,986
1955	31,346	17,490	17,279	211	12,473	8,463	646	3,364	966	416	28,182	310	2,854
1954	29,350	15,033	14,845	188	12,911	8,755	608	3,548	1,026	380	26,351	261	2,738
1953	27,199	12,957	12,792	165	12,930	9,191	428	3,311	983	330	24,388	203	2,608
1952	25,301	11,375	11,231	144	12,703	9,448	835	2,925	917	304	22,610	164	2,527
1951	23,504	9,876	9,747	129	12,457	9,827	140	2,490	883	288	20,900	153	2,450
1950	22,446 21,503 20,482 19,724 18,662	8,166 6,585 5,689 4,950 4,526	8,039 6,479 5,583 4,856 4,451	127 106 106 94 75	13,233 13,812 13,692 13,680 13,118	10,877 11,444 11,509 11,984 11,745	2, 2, 1,	856 868 183 696 873	792 872 877 881 815	255 233 223 213 203	20,025 19,287 18,400 17,759 16,813	187 94 80 71 61	2,288 2,121 2,002 1,894 1,788
1945 1944 1943 1942	16,962 13,810 12,407 11,655 11,969	4,264 4,405 4,575 4,815 4,949	4,202 4,351 4,522 4,743 4,858	62 54 53 72 91	11,849 8,545 6,654 5,522 5,348	10,650 7,294 5,279 3,880 3,420	1,1 156 234 388 536	199 1,095 1,141 1,254 1,392	606 533 720 751 966	243 327 458 567 706	15,332 12,449 11,122 10,372 10,624	48 39 41 37 35	1,582 1,322 1,244 1,246 1,310
1940 1939 1938 1937	11,925 11,771 11,545 11,496 11,283	4,917 4,889 4,905 4,965 5,040	4,835 4,812 4,826 4,884 4,956	82 77 79 81 84	5,247 5,336 5,158 5,074 4,780	3,108 3,040 2,680 2,350 2,049	551 647 704 798 778	1,588 1,649 1,774 1,931 1,958	977 697 575 527 541	784 849 907 930 922	10,608 10,409 10,186 10,141 9,950	25 22 22 18 20	1,292 1,340 1,337 1,337 1,313
1935	11,046	5,289	5,196	93	4,441	1,538	866	2,037	520	796	9,809	24	1,213
	10,938	5,590	5,480	110	4,190	984	896	2,310	511	647	9,670	27	1,241
	10,848	5,880	5,752	128	4,047	733	911	2,403	425	496	9,606	44	1,198
	10,991	6,071	5,903	168	4,129	687	957	2,485	437	354	9,911	39	1,041
	11,052	6,108	5,869	239	4,287	590	1,038	2,659	388	269	9,910	17	1,125
1930	10,164	5,947	5,635	312	3,697	499	920	2,278	291	229	9,099	12	1,058
1929	9,873	5,830	5,483	347	3,621	604	905	2,112	219	203	8,884	18	971
1928	9,557	5,458	5,171	287	3,681	738	900	2,043	238	180	8,555	16	986
1927	8,920	5,017	4,760	257	3,484	852	827	1,805	255	164	7,996	15	909
1926	8,298	4,574	4,325	249	3,337	970	758	1,609	238	149	7,465	13	820
1925	7,831	4,155	3,928	232	3,302	1,076	709	1,517	240	134	7,071	12	748
1924	7,284	3,753	3,529	224	3,164	1,122	677	1,365	247	120	6,618	13	653
1923	6,812	8,337	3,086	251	8,150	1,112	670	1,368	218	107	6,202	12	598
1922	6,262	2,961	2,715	246	2,968	971	697	1,300	228	105	5,695	12	555
1921	5,964	2,850	2,502	348	2,809	939	680	1,190	209	96	5,503	12	449
1920	5,586	2,627	2,291	336	2,646	783	650	1,213	225	88	5,157	9	420
1919	5,141	2,318	2,100	218	2,503	561	748	1,194	225	95	4,728	18	395
1918	4,745	2,292	2,094	198	2,131	200	783	1,148	224	98	4,353	21	371
1917	4,739	2,321	2,109	212	2,089	50	864	1,175	240	89	4,355	8	376
1916	4,480	2,196	1,986	210	1,963	14	851	1,098	287	84	4,124	5	851
1915	1 1	2,143	1,916	227	1,825	11	813	1,001	208	81	3,893	8	356
1914		2,085	1,866	219	1,840	12	842	986	196	73	3,859	2	333
1913		2,001	1,780	221	1,808	12	804	987	172	71	3,715	5	327
1912		1,885	1,677	208	1,764	13	750	1,001	167	61	3,558	4	315
1911		1,773	1,570	203	1,705	13	759	934	170	58	3,407	8	291
1910	3,598	1,694	1,500	194	1,684	13	765	906	156	64	3,306	2	290
	3,344	1,533	1,349	184	1,593	14	719	860	159	59	3,094	1	249
	3,281	1,519	1,326	193	1,544	16	682	846	158	60	3,016	2	263
	3,252	1,509	1,282	227	1,540	20	684	836	142	61	3,032	2	218
	8,139	1,429	1,202	227	1,517	22	694	801	133	60	2,911	8	225
1905 1904 1908 1902 1901	2,969 2,814 2,711 2,599 2,466	1,320 1,246 1,205 1,143 1,080	1,121 1,049 999 948 901	199 197 206 195 179	1,452 1,370 1,325 1,277 1,215	30 38 46 62 78	673 657 652 624 595	749 675 627 591 542	134 135 122 124 125	63 63 59 55 46	2,744 2,602 2,505 2,390 2,261	3 1 2 2	222 209 205 207 203
1900	2,328 2,190 2,048 1,957 1,881	1,027 971 915 895 874	858 815 777 752 728	169 156 138 148 146	1,134 1,047 968 916 870	105 189 147 156 158	567 561 544 508 482	462 347 277 252 230	121 117 115 99 91	46 55 50 47 46	2,129 2,000 1,870 1,785 1,717	2 2 1 1	197 188 177 171 163

Series X 834-844. Selected Assets and Liabilities of Savings and Loan Associations: 1900 to 1970

[Includes Alaska, Guam, Hawaii, Puerto Rico, and Virgin Islands]

			· · · · · · · · · · · · · · · · · · ·			• .								
	Number			Mortgag	sets (mil. do e loans 2	ol.) 			Liat	Corosal	Federal		Number	Water!
Year	of associa- tions	Total ¹	Total	FHA	VA	Conven- tional	Investment securities 3	Cash	Savings capital	General reserves and undivided profits	Home Loan Bank advances and other borrowed money	Year	of associa- tions	Total assets (mil. dol.)
	834	835	836	837	838	839	840	841	842	843	844		834	835
1970 1969 1968 1967 1966	5,669 5,835 5,947 6,036 6,112	176,183 162,149 152,890 143,534 183,933	150,331 140,232 130,802 121,805 114,427	10,178 7,909 6,658 5,791 5,269	8,494 7,643 7,012 6,351 6,157	131,659 124,680 117,132 109,663 103,001	13,020 10,873 11,116 9,180 7,762	3,520 2,439 2,962 3,442 3,366	146,404 135,538 131,618 124,493 113,969	11,991 11,228 10,315 9,546 9,096	10,942 9,728 5,705 4,775 7,462	1928 1927 1926	12,666 12,804 12,626 12,403	8,016 7,179 6,334 5,509
1965 1964 1963 1962 1961	6,185 6,222 6,248 6,289 6,246	129,580 119,355 107,559 93,605 82,135	110,306 101,333 90,944 78,770 68,834	5,145 4,894 4,696 4,476 4,167	6,398 6,683 6,960 7,010 7,152	98,763 89,756 79,288 67,284 57,515	7,414 6,966 6,445 5,563 5,211	3,900 4,015 3,979 3,926 8,315	110,385 101,887 91,308 80,236 70,885	8,704 7,899 7,209 6,520 5,708	6,444 5,601 5,015 3,629 2,856	1924 1923 1922 1921	11,844 10,744 10,009 9,255 8,683	4,766 3,943 3,343 2,891 2,520
1960 1959 1958 1957	6,320 6,223 6,207 6,169 6,136	71,476 63,530 55,139 48,138 42,875	60,070 53,141 45,627 40,007 35,729	3,524 2,995 2,206 1,643 1,486	7,222 7,186 7,077 7,011 6,643	49,324 42,960 36,344 31,353 27,600	4,595 4,477 3,819 3,173 2,782	2,680 2,183 2,585 2,146 2,119	62,142 54,583 47,976 41,912 37,148	4,983 4,393 3,845 3,363 2,950	2,197 2,387 1,444 1,379 1,347	1919 1918 1917 1916	7,788 7,484 7,269 7,072 6,806	2,127 1,898 1,769 1,599
1956 1955 1954 1953 1952	6,071 6,037 6,012 6,004	37,656 31,633 26,733 22,660	31,408 26,108 21,962 18,396	1,404 1,170 1,048 904	5,883 4,709 3,979 3,394	24,121 20,229 16,935 14,098	2,338 2,013 1,920 1,787	2,063 1,971 1,479 1,289 1,066	32,142 27,252 22,846 19,195	2,557 2,187 1,901 1,658	1,546 950 1,027 944	1914 1913 1912 1911	6,616 6,429 6,273 6,099	1,484 1,358 1,248 1,138 1,031
1951 1950 1949 1948 1947	5,995 5,992 5,983 6,011 6,045	19,222 16,893 14,622 13,028 11,687	15,564 13,657 11,616 10,305 8,856	866 848 717 563	3,133 2,973 2,586 2,397	9,836 8,313 7,845	1,603 1,487 1,462 1,455 1,740	924 880 663 560	16,107 13,992 12,471 10,964 9,753	1,453 1,280 1,106 969 855	894 900 499 590 542	1910 1909 1908 1907 1906	5,869 5,713 5,599 5,424 5,316	932 856 784 732 673
1946 1945 1944 1943 1942	6,093 6,149 6,279 6,498 6,941	10,202 8,747 7,458 6,604 6,150	7,141			ļ.	2,009	536 450 413 465 410	8,548 7,365 6,305 5,494 4,941	751 644 572 538 502	402 836 199 135 158	1905 1904 1903 1902 1901	5,264 5,265 5,808 5,299 5,302	629 600 580 577 565
1940 1939 1938 1937	7,211 7,521 8,006 8,762 9,225	6,049 5,733 5,597 5,682 5,682	4,125 3,806 3,614 8,464				71 73 75 81	344 307 274 223 206	4,682 4,322 4,118 4,077 4,080	475 464 478 496 485	256 233 227 244 247 194	1900	5,856	571
1936	10,042 10,266 10,744 10,596 10,915 11,442	5,772 5,875 6,406 7,018 7,737 8,417	3,286 3,292 3,710 4,437 5,148 5,890			-	99	218	4,194 4,254 4,458 4,750 5,326 5,916	490				
1981 1980 1929	11,442 11,777 12,342	8,417 8,829 8,695	6,402 6,507			 			6,296 6,237					

 ¹ Includes assets not shown separately.
 ² Net, after mortgage pledged shares, through 1957. Beginning 1958, includes shares pledged against mortgage loans.

⁸ U.S. Government securities only through 1967. Beginning 1968 the total reflects liquid assets and other investment securities. Included are U.S. Government obligations, Federal agency securities, State and local government securities, time deposits at banks, and miscellaneous securities.

Series X 845-849. Postal Savings System: 1911 to 1967

[As of June 30, except as noted. Includes Alaska, Hawaii, Puerto Rico, and Virgin Islands]

Year	Offices in operation	Number of depositors ¹	Deposits (\$1,000)	Withdrawals (\$1,000)	Balance to credit of depositors ² (\$1,000)	Year	Offices in operation	Number of depositors ¹	Deposits (\$1,000)	Withdrawals (\$1,000)	Balance to credit of depositors ² (\$1,000)
	845	846	847	848	849		845	846	847	848	849
1967 1966 (June 17)_	2,658 2,791	607,304 803,130	32,750	176,688	52,950 200,296	1938 1937 1936	8,050 8,068 8,103	2,741,569 2,791,371 2,705,152	929,480 972,743 933,071	945,355 936,743 906,261	1,251,799 1,267,674 1,231,673
1965 (June 18) _ 1964 (June 19) _ 1963 (June 21) _ 1962 (June 22) _ 1961 (June 23) _	3,130 3,466 4,250 5,205 5,484	997,029 1,076,225 1,164,634 1,271,858 1,397,538	50,428 63,155 76,442 193,675 114,884	122,159 131,945 174,752 212,303 251,248	344,234 415,965 484,756 583,067 701,696	1936	8,111 8,059 7,888 7,549 7,459	2,598,391 2,562,082 2,342,133 1,545,190 770,859	944,960 966,651 1,166,327 860,196 366,901	938,017 955,917 763,961 422,792 194,756	1,204,863 1,197,920 1,187,186 784,821 847,417
1960 (June 24) 1959 (June 26) 1958 (June 27) 1957 ³ (June 28) 1956	5,923 6,324 6,871 7,369 7,622	1,550,930 1,740,052 1,925,852 2,200,508 2,482,026	145,082 192,887 241,239 353,628 606,100	350,475 363,042 489,900 656,830 848,627	838,060 1,043,453 1,213,608 1,462,268 1,765,470	1930 1929 1928 1927	6,795 6,770 6,683 6,672 6,623	466,401 416,584 412,250 411,394 399,305	159,959 112,446 96,386 103,607 90,751	138,332 110,945 91,602 90,426 88,746	175,272 153,645 152,143 147,359 134,179
1955 1954 1953 1952 1951	7,750 7,872 8,247 8,261 8,247	2,711,110 2,934,795 3,162,176 3,339,378 3,529,527	1,140,503 1,197,325 1,342,675 1,460,415 1,603,327	1,383,926 1,403,454 1,502,691 1,631,050 1,912,444	2,007,996 2,251,419 2,457,548 2,617,564 2,788,199	1925 1924 1923 1922	6,655 6,758 6,802 6,774 6,300	402,325 412,584 417,902 420,242 466,109	89,708 94,933 88,008 96,508 133,575	90,349 93,790 94,073 111,161 138,461	132,173 132,814 131,671 137,736 152,390
1950 1949 1948 1947 1946	8,235 8,195 8,183 8,141 8,089	3,779,784 3,964,509 4,111,373 4,196,517 4,135,565	1,827,913 1,947,238 2,055,651 2,163,619 2,127,038	2,007,999 2,048,965 2,069,295 1,890,502 1,666,956	3,097,316 3,277,402 3,379,130 3,392,773 3,119,656	1920 1919 1918 1917	6,314 6,439 6,656 7,161 8,421	508,508 565,509 612,188 674,728 602,937	139,209 136,690 116,893 132,112 76,776	149,256 117,838 100,376 86,177 56,441	157,276 167,323 148,471 131,955 86,020
1945 1944 1943 1942 1941	8,050 8,057 8,060 8,063 8,038	3,921,937 3,493,079 3,064,054 2,812,806 2,882,886	1,739,341 1,363,028 1,033,550 895,080 923,660	1,113,902 906,417 771,548 883,710 912,916	2,659,575 2,034,137 1,577,526 1,315,523 1,304,153	1915	9,546 10,347 12,820 10,170 400	525,414 388,511 331,006 243,801 11,918	70,315 47,815 41,701 30,732 778	48,074 38,190 28,120 11,172 101	65,685 43,444 33,819 20,237 677
1940 1939	7,980 7,964	2,816,408 2,767,417	923,266 897,339	892,149 886,846	1,293,409 1,262,292		400	11,010		101	011

Represents zero.
 ¹ Includes depositors whose accounts are reflected on balance sheet as unclaimed.
 ² Includes items shown on balance sheet as unclaimed.

Series X 850-863. Outstanding Loans and Loan Insurance or Guarantees of Federal and Federally Sponsored Agencies, by Economic Sector Served: 1917 to 1953
[In millions of dollars. As of end of year]

			Direct	t loans				Loan inst	ırance or gu	arantees 4		St	ock purchase	2S ⁶
Year	Total	Agri- culture ¹	Business ²	Financial insti- tutions	Housing	Other *	Total	Agri- culture ¹	Business	Housing	Other 5	Total	Agri- culture	Financial insti- tutions
	850	851	852	853	854	855	856	857	858	859	860	861	862	863
1953 1952 1951	13,615 13,026 11,648	4,939 4,748 4,405	3,757 3,481 3,329	952 864 806	3,008 2,638 2,161	965 1,294 948	29,327 25,737 22,876	124 · 123 119	765 929 733	26,504 23,618 21,219	1,933 1,067 806	46 54 96	5 8 11	42 47 84
1950 1949 1948 1947 1946	10,217 9,103 8,306 7,264 6,170	8,972 8,576 3,241 2,944 2,736	3,201 8,244 3,112 2,583 1,796	816 433 515 436 315	1,543 1,244 746 651 694	684 604 691 650 629	18,601 14,318 11,166 8,239 6,097	109 92 81 65 31	191 246 290 381 895	17,886 18,760 10,576 7,567 5,438	414 221 219 226 234	119 139 164 195 253	16 22 29 35 46	108 116 135 160 207
1945 1944 1943 1942 1941	5,464 6,308 7,088 7,842 8,063	2,749 3,037 3,445 3,717 3,825	918 1,147 1,170 1,096 912	220 160 190 240 337	932 1,279 1,549 1,917 2,090	645 685 733 872 899	5,518 6,333 6,335 5,082 3,744		537 1,564 1,715 727 38	4,751 4,542 4,394 4,096 8,508	229 226 225 259 203	363 438 536 674 727	56 64 76 82 82	308 374 460 592 645
1940 1939 1938 1937 1936	7,882 7,750 7,761 8,159 8,453	3,718 3,702 8,670 8,650 8,642	852 768 727 638 642	874 858 407 450 468	2,227 2,254 2,314 2,474 2,807	712 673 642 946 895	3,079 2,234 1,545 1,023 705		35 47 34 4 4	2,796 2,136 1,511 1,020 701	248 51	788 848 909 924 943	61 75 76 76 75	726 773 833 848 868
1935 1934 1933 1932 1981	8,645 7,815 4,303 3,324 2,031	3,537 3,126 2,015 1,835 1,800	771 703 533 450 140	622 928 1,121 832	2,903 2,366 142	812 691 493 207 90	810 82		3 1	308		1,068 984 271	77 90 2	986 893 269

³ Beginning 1957, data reported on basis of postal fiscal year, 13 4-week accounting periods ending on dates shown.

Series X 850-863. Outstanding Loans and Loan Insurance or Guarantees of Federal and Federally Sponsored Agencies, by Economic Sector Served: 1917 to 1953—Con.

[In millions of dollars]

		Γ	Direct loar	18				I	Direct loar	ıs				Ι	Direct loan	ıs	
Year	Total	Agri- cul- ture ¹	Busi- ness ²	Finan- cial insti- tutions	Other 3	Year	Total	Agri- cul- ture 1	Busi- ness ²	Finan- cial insti- tutions	Other 3	Year	Total	Agri- cul- ture ¹	Busi- ness ²	Finan- cial insti- tutions	Other 3
	850	851	852	853	855		850	851	852	853	855		850	851	852	853	855
1930 1929 1928 1927 1926	1,779 1,486 1,438 1,474 1,527	1,582 1,313 1,288 1,241 1,184	125 120 113 204 321		72 53 37 29 22	1925 1924 1923 1922 1921	1,476 1,487 1,431 1,303 1,260	1,106 1,034 915 791 519	353 442 508 506 740		16 11 8 5	1920 1919 1918 1917	1,034 395 190 39	355 299 159 39	680 94 30	2 2	(Z)

Series X 864–878. Federal and State-Chartered Credit Unions—Number, Members, Savings, Loans, and Total Assets: 1925 to 1970

[As of end of year]

	Opera	ting credit	unions	Num	ther of mem (1,000)	bers	Me	mbers' savi (mil. dol.)	ngs	Out	standing lo (mil. dol.)	ans	,	Fotal assets (mil. dol.)	ı
Year	Total	Federal	State 1	Total	Federal	State	Total	Federal ²	State 3	Total	Federal ²	State	Total	Federal 2	State
	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878
1970	23,656	12,977	10,679	22,819	11,966	10,853	15,523	7,629	7,894	14,106	6,969	7,137	17,950	8,861	9,089
1969	23,759	12,921	10,838	21,628	11,302	10,326	13,740	6,713	7,027	12,959	6,329	6,630	15,918	7,794	8,124
1968	23,378	12,584	10,794	20,229	10,509	9,720	12,312	5,986	6,326	11,293	5,398	5,895	14,212	6,902	7,310
1967	22,997	12,210	10,787	19,063	9,874	9,189	11,103	5,421	5,682	9,881	4,677	5,204	12,776	6,208	6,568
1966	22,585	11,941	10,644	17,923	9,272	8,651	10,071	4,944	5,127	9,093	4,324	4,769	11,607	5,669	5,938
1965	22,064	11,543	10,521	16,756	8,641	8,115	9,220	4,538	4,682	8,098	3,865	4,233	10,551	5,166	5,385
1964	21,730	11,278	10,452	15,622	8,092	7,530	8,225	4,017	4,208	7,048	3,349	3,699	9,359	4,559	4,800
1963	21,301	10,955	10,346	14,580	7,500	7,080	7,164	3,453	3,711	6,171	2,911	3,260	8,130	3,917	4,213
1962	20,969	10,632	10,337	13,753	7,008	6,745	6,331	3,020	3,311	5,478	2,561	2,917	7,188	3,430	3,758
1961	20,567	10,271	10,296	12,879	6,543	6,336	5,639	2,673	2,966	4,852	2,245	2,607	6,382	3,028	3,354
1960	20,056	9,905	10,151	12,058	6,087	5,971	4,981	2,344	2,637	4,402	2,021	2,381	5,659	2,670	2,989
1959	19,408	9,447	9,961	11,320	5,643	5,677	4,441	2,075	2,366	3,718	1,667	2,051	5,029	2,353	2,676
1958	18,770	9,030	9,740	10,539	5,210	5,329	3,869	1,812	2,057	3,078	1,380	1,698	4,347	2,035	2,312
1957	18,049	8,735	9,314	9,862	4,898	4,964	3,381	1,589	1,792	2,778	1,257	1,521	3,810	1,789	2,021
1956	17,113	8,350	8,763	9,051	4,502	4,549	2,914	1,366	1,548	2,326	1,049	1,277	3,271	1,529	1,742
1955	16,064	7,806	8,258	8,153	4,032	4,121	2.447	1,135	1,312	1,934	863	1,071	2,743	1,267	1,476
	14,940	7,227	7,713	7,356	3,599	3,757	2,040	931	1,109	1,552	682	870	2,270	1,033	1,237
	13,564	6,578	6,986	6,635	3,255	3,380	1,691	768	923	1,308	574	734	1,895	854	1,041
	12,249	5,925	6,324	5,888	2,853	3,035	1,355	597	758	985	415	570	1,516	662	854
	11,284	5,398	5,886	5,196	2,464	2,732	1,079	457	622	747	300	447	1,199	505	694
1950	10,571	4,984	5,587	4,610	2,127	2,483	884	362	522	680	264	416	1,006	406	600
1949	9,897	4,495	5,402	4,091	1,820	2,271	730	285	445	515	186	329	827	316	511
1948	9,329	4,058	5,271	3,749	1,628	2,121	630	235	395	399	138	261	701	258	443
1947	8,942	3,845	5,097	3,340	1,446	1,894	533	192	341	280	91	189	591	210	381
1946	8,715	3,761	4,954	3,020	1,302	1,718	451	160	291	188	57	131	495	173	322
1945	8,615	3,757	4,858	2,843	1,217	1,626	384	141	243	126	35	91	435	153	282
1944	8,722	3,815	4,907	2,936	1,306	1,630	355	134	221	121	34	87	398	144	254
1943	9,062	3,938	5,124	3,033	1,312	1,721	323	117	206	122	35	87	355	127	228
1942	9,545	4,145	5,400	3,154	1,357	1,797	303	110	193	149	43	106	341	120	221
1941	9,734	4,228	5,506	3,317	1,409	1,908	287	97	190	220	69	151	323	106	217
1940	8,931	3,756	5,175	2,828	1,128	1,700	223	66	157	191	56	135	254	73	181
	7,859	3,182	4,677	2,310	851	1,459	169	43	126	149	38	111	194	48	146
	6,737	2,760	3,977	1,869	632	1,237	127	27	100	108	24	84	148	30	118
	5,441	2,313	3,128	1,540	484	1,056	98	18	80	78	16	62	116	19	97
	4,485	1,751	2,734	1,164	310	854	68	9	59	59	7	52	83	9	74
1935 1934 1933 1932 1931	2,894 2,067 1,772 1,472 1,244	772 39	2,122 2,028 1,772 1,472 1,244	642 430 360 301 286	119	523 427 360 301 286	38 28 23 22	(Z) 2	36 28 23 22	36 28 26 25	(Z) ²	34 28 26 25	50 40 35 31 34	(Z) ²	48 40 35 31 34
1929 1925	868 176		868 176	265 108		265 108							 		

Includes minor governmental units and miscellaneous purposes.
 Federal agencies only.
 Minor governmental units.
 For details on types of stock purchased, see text.

Z Less than \$500,000.

Classification by real-estate and non-real-estate loans available in source tables. Excludes loans and loan guarantees of Commodity Credit Corporation; see text.

Includes loans of Export-Import Bank; see text.

Z Less than \$500,000. $^{\rm 1}$ Reports not received from all operating credit unions; see text.

² Data for 1935–1944, partly estimated. ³ Includes members' deposits.

Insurance (Series X 879-962)

X 879-917. General note.

There are three general sources of primary data about life insurance as a whole: The various State insurance departments through their reports of the life insurance companies operating within their jurisdictions; commercial publishers of life insurance company data; and the trade and other associations of the life insurance companies.

Probably the most widely used of the State insurance department reports are those published annually by the New York Insurance Department. For the approximate period 1860–1880 these reports, which give data on the companies domiciled in the State and the companies of other States authorized to transact business in the State, are most frequently made use of to exhibit the progress of life insurance. The data presented in these reports for this period represent a very high percentage of the total life insurance business. Other State reports often consulted by researchers are those of Massachusetts and Connecticut.

Of the commercial publications, the most frequently used to study the progress of life insurance as a whole is the *Spectator Insurance Year Book*, published annually since 1873 by the Spectator Company, Philadelphia. (For 1873-1937, the publication was known as *The Insurance Year Book*. There were separate "Life" volumes from 1923-1963 and "Property, casualty" volumes through 1960.)

A number of the trade and other associations in the life insurance business prepare industrywide statistics on different aspects of life insurance. The Institute of Life Insurance, New York, a public relations organization formed by the life insurance companies, compiles a number of such statistics and publishes these, as well as data from other associations and from commercial publishers, annually in the Life Insurance Fact Book. Two major sources of insurance statistics included in the Institute compilations are the American Life Insurance Association and the Life Insurance Agency Management Association.

To obtain a series of figures over a long period it is not necessary to consult each annual edition of the publications mentioned above. Many of the New York Insurance Reports (known also as the Annual Report of the Superintendent of Insurance) contain a chronology which gives some of the salient statistics over a long period (sometimes only for selected years). Prior to 1963, the annual Spectator Insurance Year Book often gave the aggregates for all available companies for the preceding 10 years and, for the early years of this publication, a summary of data was presented for the companies operating in New York State. Thereafter, the monthly Spectator Magazine presents data on life, property, accident, and health companies.

The most recent *Life Insurance Fact Book* will generally give most of the preceding statistics compiled, as well as historical statistics from other sources, as far back as 1890 for some series.

In addition to the Life Insurance Fact Book, there are two compilations of historical statistics which are often consulted: J. Owens Stalson, Marketing Life Insurance, Its History in America, Harvard University Press, Cambridge, 1942 (the appendixes give data on the number of companies, life insurance sales, life insurance in force, and income as well as many other items from earliest available figures to 1937); and Frederick L. Hoffman, "Fifty Years of American Life Insurance Progress," Quarterly Publications of the American Statistical Association, New Series, No. 95, vol. XII, Boston, 1911 (tables of salient statistics, 1860–1910). The statistics presented in these publications do not always agree with the figures given here because in some cases different sources have been used, and in some cases adjustments and corrections of the source material have been made by the Institute of Life Insurance.

Because it represents the exception rather than the rule, it may be of interest to note two instances in which data on life insurance were collected in the decennial census of the United States. Statistics of the United States in 1860, 1866, pp. 293-294, contains some statistics on the number of life insurance companies, the amount of life insurance, the number of persons insured, and the annual premium income for 1860. Data on the life insurance business are also shown in the Report on Insurance Business in the United States at the Eleventh Census: 1890, Part 2, Life Insurance, 1895. This report contains statistics on life insurance for the decade 1880-1890 for the companies in operation as of December 31, 1889. It does not, however, reflect the business in this decade of companies which ceased to do business before December 31, 1889.

The basic reporting form utilized by all three types of primary sources in preparing their statistics is the annual statement convention blank. This is the prescribed accounting statement which each company must submit to the insurance department of each State in which it is licensed to transact business, setting forth the company's balance sheet, income and disbursement accounts, policy exhibit, and many supporting schedules. The collecting agencies supplement the data from the annual statement form from time to time through mail questionnaires, mostly among the life insurance companies.

An understanding of the historical statistics of life insurance requires some knowledge of the annual statement convention blank—the accounting methods used in preparing the form and changes in the form and methods over the years—and some knowledge of the history of life insurance.

Uniformity in the annual statement convention blank required by the States has been achieved through the efforts of the National Association of Insurance Commissioners. This association is a national organization composed of the officials of the various States who have supervision of insurance affairs within their respective States. It was formed in 1871 (under the name of the National Convention of Insurance Commissioners) and adopted its first convention blank in 1874. This organization has also achieved a degree of uniformity in insurance legislation and departmental rulings among the different States.

The convention blank has undergone revisions from time to time. The most recent significant revision in the annual statement convention blank took place in the form used for reporting the operations for 1951. Where these changes have affected the statistics shown, they are discussed below in the text for the specific series. For a complete discussion of the annual statement form now in use, and a comparison with the superseded form, see E. C. Wightman, Life Insurance Statements and Accounts, Life Office Management Association, New York, 1952 and J. C. Noback, Life Insurance Accounting, Irwin, Homewood, Ill., 1969. For a detailed discussion of two of the earlier forms, see Life Insurance Accounts, 1935 and 1941, by Wightman,

There are many nonstatistical histories of life insurance. A few that may be consulted are: Charles K. Knight, The History of Life Insurance in the United States to 1870, unpublished thesis, University of Pennsylvania, 1920; Marketing Life Insurance, Its History in America (cited above); and The Bible of Life Insurance, George W. Wadsworth, 1932.

The data presented here cover only life insurance as it relates to the insurance companies which are usually referred to as the legal reserve life insurance companies. These are life insurance companies operating under insurance laws specifying the minimum basis for the reserves a company must maintain on its policies. Other types of INSURANCE X 879–917

life insurance include fraternal life insurance which is provided by societies, lodges, and similar fellowship organizations; life insurance with assessment associations, mutual aid groups, and burial societies; life insurance available through savings banks in three States; and veterans life insurance (consisting of U.S. Government Life Insurance and National Service Life Insurance) issued by the Federal Government to members of the Armed Forces and veterans of World Wars I and II.

Though in very recent years the greatest part of all life insurance in force in the United States has been provided by the legal reserve life insurance companies, veterans insurance at its peaks during or immediately after the World Wars exceeded or nearly equaled the totals achieved by the life insurance companies. Fraternal and assessment life insurance combined for the period 1879–1928 was a significant proportion of the life insurance company total (actually exceeding it for a year or two in the 1890's and never amounting to less than 10 percent of the life insurance company total for the period stated).

For historical statistics of veterans, fraternal, and assessment life insurance, see Stalson, *Marketing Life Insurance*, cited above, pp. 806-808 and 816-819.

The data for legal reserve life insurance companies which are presented here are subject to three types of limitations: (a) Changes in the annual statement convention blank on which the companies report their operations; (b) incompleteness of the data in terms of the number of companies for which information is available; and (c) lack of uniformity among the companies in the allocation of certain items to the categories of the convention blank, changes in allocation, and changes made by the publishers of life insurance data in their reporting methods.

Changes in the annual statement blank over the years have been discussed previously. With regard to the completeness of the statistics available, it is extremely difficult to obtain data for any given period on the operations of all the life insurance companies operating in the United States. Theoretically, one should be able to compile complete statistics by consulting the insurance reports of each State and the District of Columbia, but in practice this is not feasible. State insurance reports began in the 1850's, but it was not until 1919 that all States (and the District of Columbia) were issuing reports. (A list of the first reports on insurance companies by State departments of insurance is given in Stalson, Marketing Life Insurance, cited above, pp. 775-776.) Therefore, until 1919, there is no way of obtaining data from State reports for companies which operated in only those States for which reports were not available. Subsequent to 1919, the difficulties in compiling complete statistics arise from the lack of uniformity in the various reports with regard to the selection of items to be presented and the basis of reporting, and from the failure of some States to issue reports on a regular annual basis.

The life insurance companies omitted from the sources utilized are very small in size relative to those for which data are available. Therefore, even when a fairly large number of these very small companies are omitted, they account for a very small percentage of the total business. For example, in 1970, according to the Institute of Life Insurance, the 1,390 companies for which life insurance in force data were available accounted for 99.96 percent of the total which would have been obtained from the 1,792 companies in existence at the end of 1970. This percentage is doubtlessly lower for the earlier years and for some of the other categories, but it is highly probable that even the oldest figures presented here represent 90 percent or more of the total for all companies. This is true both with regard to the figures taken from sources, such as the Spectator Insurance Year Book, which collect data from all available companies, and for the figures for about 1860-1880 which are taken from the reports of the New York Insurance Department. (For a discussion of the percentage of total business accounted for by the New York Insurance Department reports, see Hoffman, "Fifty Years of American Life Insurance Progress," cited above, pp. 11-13.)

The third limitation with regard to the data of legal reserve life

insurance companies pertains to the lack of uniformity in allocation of certain items to the categories of the convention blank and changes in allocation. There are many instances where neither the categories of the annual statement convention blank nor the instructions for filing the blank are detailed enough to specify clearly how a certain transaction is to be allocated, so that the treatment becomes a matter of the company's judgment. Thus, for example, of two companies writing monthly debit insurance (a form of life insurance with some of the features of both ordinary and industrial insurance), one may classify it as ordinary and one as industrial. Moreover, a company may decide to change the classification of an item; for the example just cited, a company may transfer at some point its monthly debit business from the industrial to the ordinary classification. Such problems can arise in all the series presented. Even when an accounting procedure tends to become widespread, it is often adopted by different companies at different times.

A further problem arises from the fact that the sources which compile industrywide statistics must often combine the many categories of the annual statement convention blank into broader classifications. From time to time, the manner of combining the categories may be altered or the manner of treating special categories, which are sometimes found in a few companies' convention blank, may be changed.

Related to the problems of changes in the annual statement convention blank and variations in the allocation of items is the problem of changes in method of valuation of policy reserves and assets. The amount of policy reserves reported in a company's convention blank is determined by the types of policies issued, the length of time they have been in force, and the age at issue. The policy reserves are also affected by the mortality table used, the interest assumption, and the reserve basis specified by the various States as the minimum basis for valuation. The assets of a company, and hence its surplus, are also affected by the method of valuation of assets. The problems of changes in valuation of assets and reserves do not appear to be factors of major significance, however, with regard to long-term historical trends of these series.

The general procedure used in preparing these statistics was to examine the various sources and compare the series available as to bases of reporting, completeness of coverage, etc. In those cases where alternative series were available, the selection was determined by completeness of coverage in terms of the number of companies for which data were obtainable, and the basis of reporting most consistent with current practice, on two conditions: (a) That the series be available for a sufficiently long period to preserve the trend, and (b) that component items could be obtained on the same basis or level of coverage as the totals. An illustration might make this clear. For 1879-1887, total assets can be obtained for all the companies operating in New York State. For the same period, totals for a larger group of companies can be obtained from the 1888 Spectator Insurance Year Book. The distribution of assets, by type, however, is available only for the companies operating in New York State. Rather than estimate a distribution for the larger asset totals or report a distribution which would not add to the total shown, the New York State figures were used for the total and for the distribution by type. For the period under discussion, the assets of companies operating in New York State represented from 92 to 97 percent of the assets given by the Spectator Insurance Year Book for all available companies.

In most cases, the various sources were identical with regard to bases of reporting and completeness of coverage. In these cases, the procedure was to compare the various sources presenting the same data for the same period. Thus for the early period, comparisons were made among the individual New York Insurance Reports and the summaries of these reports given in various issues of the Spectator Insurance Year Book, Marketing Life Insurance, and "Fifty Years of American Life Insurance Progress." For later years, comparisons were made among the various issues of the Spectator Insurance Year Book which covered the same period (mainly the 10-year aggregates

as compared with the aggregates given in each Year Book), Marketing Life Insurance, and the Life Insurance Fact Book (which utilizes a great deal of material from the Spectator Insurance Year Book).

Where the figures in the various sources were in agreement, the data presented were accepted unless some limitations were uncovered while making the comparisons. Where the sources were not in agreement, the reasons for the differences were investigated and the figures considered to be most accurate and complete were accepted.

Some of the figures presented here are original in the sense that they represent adjustments by the Institute of Life Insurance of existing figures for errors in addition, for omissions, or for changes in definition. Wherever possible, published material has been utilized.

X 879. Number of life insurance companies, 1759-1970.

Source: J. Owen Stalson, 1759-1936, Marketing Life Insurance, Its History in America, Harvard University Press, Cambridge, 1942, pp. 748-753. Institute of Life Insurance, 1937-1939, estimates; 1940-1970, Life Insurance Fact Book, 1974, p. 87, and unpublished data

The figures comprise the total number of companies in operation at the end of the year and domiciled in the United States. This number is larger than the number of companies for which life insurance in force data are available (see general note for series X 879-917). For 1941-1949, figures do not include companies which started and then ceased operations within this period. For data on the number of companies formed, discontinued, and in operation, classified by stock and mutual for 1759-1937, see Stalson, cited above, pp. 748-753.

X 880-889. General note.

For 1854-1894, the series were derived by deducting from the insurance in force figures of U.S. life insurance companies the amount of their Canadian and other foreign business, and adding thereto the U.S. business of Canadian and other foreign companies. Data for 1895-1948 were derived from the totals of individual State estimates given in the "Life Insurance in Force by States" section of each Spectator Insurance Year Book.

For ordinary life insurance, the figures for 1815–1850 are for all available companies; for 1854–1877, the figures are for life insurance companies reporting to the New York Insurance Department. Beginning with 1878, the data are for all available companies. All the data for group, industrial, and credit life insurance are for all available companies.

Life insurance in force is the sum total of the face amounts (plus additions purchased with dividends) of the life insurance outstanding at a given time. The additional amount of life insurance payable under accidental death provisions (providing for payment of an additional death benefit in case of death as a result of accidental means, often called double indemnity) is not included.

Life insurance in force figures have been adjusted to represent insurance in force on the lives of residents of the United States whether issued by U.S. or foreign companies. For statistics of life insurance in force with U.S. life insurance companies, whether the policyholders are residents of the United States or of some other country, and for the number of policies outstanding, for 1900–1970, see Life Insurance Fact Book, 1974, pp. 25, 27, 30, 33, 35. Estimates by States are available from the "Life Insurance in Force by States" section of the annual Spectator Insurance Year Book and the Life Insurance Fact Book. For information on life insurance in force by plan of insurance, 1950, 1954, 1957, 1962, 1966, and 1970, see The Tally of Life Insurance Statistics, January 1959, pp. 1 and 2, March 1968, pp. 1 and 2, and November 1971, pp. 1 and 2.

For an alternative series of life insurance in force in the United States, for selected years, 1815–1937, see *Marketing Life Insurance*, cited above, pp. 816–817. The alternative series includes fraternal, assessment, and other types of life insurance, and is derived from aggregate figures of U.S., Canadian, and foreign companies, rather than as totals of State figures.

X 880. Number of life insurance policies in force in the United States. 1895-1970.

Source: Institute of Life Insurance, Life Insurance Fact Book, various issues.

Data represent all life insurance in force with U.S. life companies, including both direct business and reinsurance acquired. Data include group certificates and credit life insurance.

X 881. Coverage per family of life insurance in force in the United States, 1930-1970.

Source: See source for series X 880.

Families include the units defined by the Bureau of the Census as families, subfamilies, and unrelated individuals.

X 882. Total life insurance in force in the United States, 1815-1970.

Source: 1815-1850, see Stalson, cited above for series X 879, p. 787 (1850 estimate corrected for addition error); 1854-1899, a summation of series X 883 and X 885. 1900-1970, Institute of Life Insurance, Life Insurance Fact Book, 1974, p. 23, and unpublished data.

X 883. Ordinary life insurance in force in the United States, 1815-1970.

Source: 1815-1850, see Stalson, cited above for series X 879, p. 787. Institute of Life Insurance, 1854-1894, unpublished data; 1895-1970, Life Insurance Fact Book, 1958, p. 25, and 1974, p. 23.

The 1854-1894 figures were compiled from the following sources, using the method described in the general note for series X 880-889: Ordinary insurance in force of U.S. companies: 1854-1858, Spectator Company, Spectator Insurance Year Book, 1878, p. 71; 1859-1877, Stalson, cited above for series X 879, p. 820; 1878-1894, Spectator Insurance Year Book, various issues (for certain years, adjustments were made). Ordinary business of U.S. companies in Canada: 1869-1894. Stalson, cited above for series X 879, pp. 833-834 (1873 figure adjusted; 1885-1894, industrial business in Canada of U.S. companies subtracted to get ordinary business in Canada). Ordinary business of U.S. companies in foreign countries other than Canada: 1868-1885, Stalson, cited above for series X 879, p. 824; 1886-1888, Hoffman, "Fifty Years of American Life Insurance Progress," cited above in general note for series X 879-962, p. 86; 1889-1894, Spectator Insurance Year Book, 1899, p. 466. Ordinary business of Canadian companies in the U.S.: 1889-1894, Stalson, cited above for series X 879, p. 839. Ordinary business of other foreign companies in the U.S.: 1854-1870, series for U.S. branches of British companies estimated by the Institute of Life Insurance; 1871-1881, 1885-1886, State of New York Insurance Department, New York Insurance Report, various issues; 1882-1884, data not available, but probably

Ordinary life insurance refers to life insurance usually issued in amounts of \$1,000 or more, with premiums payable on an annual, semiannual, quarterly, or monthly basis.

X 884. Group life insurance in force in the United States, 1911-1970.

Source: Institute of Life Insurance, Life Insurance Fact Book, 1958, p. 27, and 1974, p. 23.

Group life insurance is life insurance issued, usually without medical examination, on a group of persons under a master policy. It is usually issued to an employer for the benefit of employees. The individual members of the group hold certificates as evidence of their insurance.

X 885. Industrial life insurance in force in the United States, 1876–1970.

Source: 1876–1894, Institute of Life Insurance, unpublished data; 1895–1970, see source for series X 884, 1958, p. 31 and 1974, p. 23.

INSURANCE X 886-907

The 1876–1894 figures were compiled from the following sources, using the method described in the general note for series X 880–889: Industrial insurance in force of U.S. companies: 1876–1894, Spectator Company, Spectator Insurance Year Book, various issues (for certain years, adjustments were made). Industrial business of U.S. companies in Canada: 1885–1894, Spectator Insurance Year Book, various issues. Canadian and other foreign companies have never written industrial life insurance in the United States, according to available information.

Industrial life insurance is life insurance issued in small amounts, usually not over \$500. Premiums are payable on a weekly or monthly basis and are generally collected at the home by an agent of the company.

X 886. Credit life insurance in force in the United States, 1917-1970.

Source: See source for series X 884, 1958, p. 33 and 1974, p. 23.

Credit life insurance is term life insurance sold through a lender or lending agency to cover payment of a loan, installment purchase, or other obligation, in case of death. Lending agencies are defined to include agencies that sell merchandise on time and mortgage departments of life insurance companies, as well as banks, finance companies, and other institutions or agencies to or through which financial obligations are incurred. The data refer to insurance on loans of 10 years or less duration.

X 887-889. Average size policy in force in the United States, 1895-1970.

Source: Institute of Life Insurance, Life Insurance Fact Book, various issues, and unpublished data.

X 890-893. General note.

Figures represent U.S. life insurance companies' sales (including reinsurance acquired) in the United States and in other countries. Credit life insurance is excluded.

Life insurance sales represent the sum total of the face amount of life insurance sold in a given period (in this case, one year). The additional amount of life insurance payable under accidental death provisions is not included. For definitions of ordinary, group, and industrial, see text for series X 883-885.

X 890. Total sales of life insurance by U.S. life insurance companies, 1854-1970.

Source: 1854-1920, a summation of series X 891-893; 1921-1970, see source for series X 884, 1958, p. 23 and 1974, p. 16.

Total life insurance sales in the United States, representing all sales to residents of the United States, whether issued by U.S. or foreign companies, are available, beginning with 1940, from the source, p. 20. These series give number of policies and amount of insurance, by type.

X 891. Sales of ordinary life insurance by U.S. life insurance companies, 1854-1970.

Source: 1854-1910, Spectator Company, Spectator Insurance Year Book, various issues (for certain years, adjustments were made by the Institute of Life Insurance); 1911-1920, Institute of Life Insurance, unpublished data (based on data from summary table of Spectator Company, Spectator Compendium of Official Life Insurance Reports for each year); 1921-1970, see source for series X 884, 1958, p. 23 and 1974, p. 16.

The estimates for 1854–1877 are for life insurance companies reporting to the New York Insurance Department. Thereafter, the data are for all available companies. Beginning 1888, the data are on a paid-for basis; beginning 1893, they exclude revivals, increases, and dividend additions.

Monthly sales and annual sales by States since 1923 are available in Life Insurance Agency Management Association, Monthly Sales

Survey, various issues. See also Life Insurance Fact Book, 1947-1972 editions. For regional data, from 1929-1956, see U.S. Office of Business Economics, Business Statistics, 1957 Biennial Edition.

X 892. Sales of group life insurance by U.S. life insurance companies, 1911-1970.

Source: 1911-1920, Institute of Life Insurance, unpublished data (1911-1918, estimated from a survey of companies writing group life insurance at that time; 1919-1920, compiled from Group Life Exhibit in Spectator Company, Spectator Compendium of Official Life Insurance Reports, various issues); 1921-1970, see source for series X 884, 1958, p. 23 and 1972, p. 21.

The group life insurance figures are on a paid-for basis. Figures for 1912-1918 may reflect increases in existing contracts to some extent. Beginning 1919, figures exclude revivals, increases, and dividend additions.

X 893. Sales of industrial life insurance by U.S. life insurance companies, 1873-1970.

Source: 1873-1910, Spectator Company, Spectator Insurance Year Book, various issues; 1911-1920, Spectator Compendium of Official Life Insurance Reports, various issues; 1921-1970, see source for series X 884, 1958, p. 23 and 1972, p. 21.

Beginning 1893, figures exclude revivals, increases, and dividend additions.

X 894-907. General note.

The data for 1854-1887 are for life insurance companies reporting to the New York Insurance Department. Thereafter, the data are for all available companies.

In general, before 1951, income and disbursement items were reported on a cash basis (in the accounting use of the term). Beginning 1951, income and disbursement items are reported on an accrual basis (reflecting earned income and incurred claims and expenses).

Before 1951, gross investment income (without deduction of investment expenses) was reported as income, and investment expenses were reported as disbursements (included with "Commissions, expenses, taxes, and other disbursements"). Beginning 1951, investment expenses are deducted from gross investment income and the resulting net figure is reported as income.

X 894-897. Income of U.S. life insurance companies, 1854-1970.

Source: 1854-1910, see first source for series X 893; 1911-1970, see source for series X 884, 1958, p. 53, 1970, p. 57, and 1971, p. 58.

X 895, life insurance premiums. For 1911–1970, this series was obtained by subtracting from premium income as reported in the source, the annuity premium series (series X 896) described below. Since 1947, accident and health premiums have also been subtracted from premium income.

This series includes premiums for ordinary, group, and industrial life insurance, including disability and accidental death provisions. A premium is defined as the payment, or one of the regular periodical payments, a policyholder is required to make for an insurance policy.

X 896, annuity premiums. For 1911–1931, data were obtained by subtracting from the "consideration for annuities" figures given in the aggregates of the Spectator Compendium each year, the amount of supplementary contracts involving life contingencies. The series on supplementary contracts involving life contingencies was compiled by the Institute of Life Insurance from data in the New York Insurance Reports and the annual editions of Alfred M. Best Co., Best's Life Insurance Reports, New York. For 1932–1951, data were obtained directly by summing annuity income items from Spectator Compendium aggregates each year. For 1952–1955, data were obtained by summing group and individual annuity data given in Institute of Life Insurance, The Tally of Life Insurance Statistics,

August 1956, p. 1; for 1956, Institute of Life Insurance, unpublished data; for 1957, *Life Insurance Fact Book*, 1958, p. 54; for 1958-1964, 1965, p. 57; for 1965-1970, 1971, p. 58.

This category includes considerations for group and individual annuities. Before 1911, figures include considerations for supplementary contracts with life contingencies. An annuity is defined as a contract that provides an income for a specified period of time, such as a number of years or for life. A supplementary contract is an agreement by the company to retain the lump sum payable under an insurance policy and to make payments in accordance with the settlement option chosen.

X 897, investment and other income. For 1911-1970, figures include considerations for supplementary contracts both with and without life contingencies. Before 1911, figures include considerations for supplementary contracts without life contingencies.

X 898-907. Disbursements of U.S. life insurance companies, 1854-1970.

Source: 1854-1918, Spectator Company, Spectator Insurance Year Book, various issues (for certain years, adjustments were made by the Institute of Life Insurance); 1919-1951, Spectator Compendium of Official Life Insurance Reports for each year; 1952-1970, Institute of Life Insurance, unpublished data.

Annual additions to policy reserves are not included. These constitute the greatest portion of the difference between income and disbursements. For data on policy reserves, see series X 916.

Figures for life insurance benefit payments paid to residents of the United States, either by U.S. or foreign companies, may be obtained, for 1940–1957, from the *Life Insurance Fact Book*, 1958, p. 39 and for 1958–1970, from the 1971 edition, p. 43. Death benefit payments in the United States by type of insurance, number of policies, and by State may also be obtained from the annual editions of the *Life Insurance Fact Book*. Monthly benefit figures and quarterly death benefits by States may be obtained from the *Tally of Life Insurance Statistics* through December 1971; the monthly benefit survey was discontinued thereafter. A summary of monthly data for several years may be obtained from U.S. Bureau of Economic Analysis, *Business Statistics*, biennial editions.

X 901, matured endowment payments. This series is defined as the proceeds paid under a policy which provides that a definite sum of money be paid to the policyholder after a specified number of years if he is then living. If the policyholder dies during the endowment period, payment is made to a beneficiary (such proceeds are included as death benefits).

X 903, policy dividends. A policy dividend is defined as a refund of part of the premium on a participating life insurance policy. It is a share of the surplus earnings apportioned for distribution and reflects the difference between the premium charged and actual experience.

X 904, surrender values. A surrender value payment is the amount paid to policyholders upon surrender, for cash, of a policy before it becomes payable by death or maturity.

X 905, disability and accidental death benefits. Disability benefits are payments under a feature added to a life insurance policy, providing for waiver of premium and sometimes payment of monthly income if the insured becomes totally and permanently disabled. For definition of accidental death benefits, see general note for series X 880-889.

Disability provisions became general around 1910 and benefits under these were usually included with annuity payments until 1920. Accidental death benefit provisions became general around 1917 and benefits under these were usually included with death benefits until 1920.

X 906, commissions, expenses, taxes, and other disbursements. This series includes payments on supplementary contracts, with and without life contingencies, and payments of dividends which have been left on deposit.

X 907, dividends to stockholders. Dividends to stockholders were shown as a disbursement in the annual statement convention blank before 1951. For 1951-1970, dividends to stockholders have been shown as a deduction from surplus in the surplus account.

X 908-913. Assets of U.S. life insurance companies, 1854-1970.

Source: 1854-1889, see first source for series X 893; 1890-1970, see source for series X 884, 1958, pp. 64-91 and 1971, p. 68.

The data for 1854-1887 are for life insurance companies reporting to the New York Insurance Department. Thereafter, the data are for all available companies.

Assets are on an admitted asset value basis, which is the aggregate value of all the assets used for determination of a company's balance sheet in accord with principles adopted by the insurance departments of the various States. Until about 1909, stocks and bonds were reported at market value. Until 1906, this value was determined by each individual company and, since 1907, by the insurance commissioners. In 1909, New York State required amortization of amply secured bonds, and this soon became the general practice. Stocks and nonamortizable bonds are generally reported at market value. Assets include the assets, distributed by type, of the accident and health departments of life insurance companies.

Shares of Federal savings and loan associations are included with series X 910. Series X 912 includes real estate sold on contract but does not include real estate owned subject to redemption. Fore-closed liens subject to redemption are included in "mortgages" and not transferred to "real estate" until the redemption period is past.

X 914. Net rate of interest earned on assets of U.S. life insurance companies, 1872–1970.

Source: 1872-1909, see first source for series X 893; 1910-1914, Institute of Life Insurance, unpublished data; 1915-1970, see source for series X 884, 1958, p. 59; 1970, p. 64; and 1971, p. 63.

The net rate of interest earned is the ratio of the investment income for the year to the mean assets decreased by one-half the investment income. For 1872–1909, the investment income is gross investment income—i.e., there was no deduction of investment expenses. For 1910–1939, the investment income is net of investment expenses (including direct investment taxes) and the Federal income taxes treated as investment expenses. Beginning 1940, the investment income is net of investment expenses (including direct investment taxes) and all Federal income taxes. For 1872–1950, the assets used in the formula are ledger assets; beginning 1951, the assets are invested assets (including cash) and interest due and accrued.

For a discussion of the level of interest earnings before 1872, see Lester W. Zartman, *The Investments of Life Insurance Companies*, Henry Holt Company, 1906.

X 915. Total liabilities of U.S. life insurance companies, 1859-1970.

Source: 1859-1917, see first source for series X 893; 1918-1951, see second source for series X 893; 1952-1970, Institute of Life Insurance, Life Insurance Fact Book, 1953-1958, and 1971 editions.

Data include operations of accident and health departments of life insurance companies. The 1918–1931 figures were compiled by subtracting from total liabilities as given, the amount shown as "amounts set apart." The 1932–1942 figures were compiled by subtracting from total liabilities as given, the amounts shown as "special, voluntary contingency, etc., reserves." The 1943–1951 figures are those shown as total liabilities. The 1952–1970 figures were compiled by adding all the reserve and obligation items shown, excluding only special surplus funds, unassigned surplus, and capital.

X 916. Policy reserves of U.S. life insurance companies, 1860-1970.

Source: 1860-1864, State of New York Insurance Department, New York Insurance Report, 1865, pp. clxxv-clxxix; 1865-1889, see first source for series X 893 (for certain years, adjustments were made

INSURANCE X 917–962

by Institute of Life Insurance); 1890-1970, see source for series X 884, 1958, p. 61, 1970, p. 57, and 1971, p. 65.

This series includes life, annuity, supplementary contract, disability, and accidental death reserves and, beginning 1947, business of accident and health departments of life insurance companies.

Policy reserves are defined as the funds that an insurance company holds specifically for the fulfillment of its policy obligations. Reserves are so calculated that, together with future premiums and interest earnings, they will enable the company to pay all future claims.

X 917. Capital and surplus of U.S. life insurance companies, 1859-

Source: 1859-1917 (except 1868, 1869, 1870, 1879, and 1881 which are from various New York Insurance Reports), see first source for series X 893; 1918-1951, see second source for series X 893; 1952-1970, Institute of Life Insurance, Life Insurance Fact Book, 1953-1958, and 1971 editions.

The 1919–1931 figures were compiled by adding to the "unassigned funds and capital" as given, the amounts shown as "amounts set apart." The 1932–1950 figures were compiled by adding to the "unassigned funds and capital" as given, the amounts shown as "special, voluntary, contingency, etc., reserves" (for 1932–1942, "special, voluntary, contingency, etc., reserves" are shown as "liabilities"; for 1943–1950, this item is shown separately). The 1951–1970 figures were compiled by adding the items "special surplus funds," "unassigned surplus," and "capital."

This series includes operations of accident and health departments of life insurance companies.

X 918-932. Assets, policyholders' surplus, and premiums written of the property-liability insurance business, 1931-1970.

Source: A.M. Best Company, Inc., Morristown, N.J., Best's Aggregates and Averages, 1959, p. 1, and 1971, p. 1. (Copyright.)

The aggregates in these series represent the totals of the property-liability insurance business except that the mutual company aggregates do not include a very large number of small companies operated on the township or county plans or on the assessment basis. Life insurance companies writing accident and health business are excluded unless they maintained completely segregated departments and statistics so that the separate department figures could be developed.

Aggregates through 1944 are based on the reported statutory underwriting results, with some companies including Federal income taxes as an expense of operation and others excluding them. For 1942 and 1943, the statutory profit before Federal income was estimated at \$115,000,000 for each year and at about \$70,000,000 and \$65,000,000, respectively, after Federal income taxes. For 1944, the corresponding figures were \$100,000,000 and \$60,000,000. Beginning 1945, underwriting experience is recorded before Federal income taxes and underwriting results are on a cash basis for reserves.

Prior to 1951, figures included only business written by casualty companies. Figures for all years include Credit, Livestock, and Miscellaneous Unsegregated and Reinsurance Unsegregated Lines.

X 923-927, policyholders' surplus. Represents the sum of paid-in capital, if any, and net reported surplus.

X 928-932, net premiums written. Represents retained premium income, direct or through reinsurance, less payments made for reinsurance ceded.

X 933-946. Underwriting experience for stock and mutual companies, by type of insurance, 1925-1970.

Source: See source for series X 918-932, 1955 issue, pp. 122-125 and 182-185; 1963 issue, pp. 141-144 and 209-212; and 1971 issue, pp. 139-142 and 208-211.

See text for series X 918-932.

X 934, premiums earned. Represents the adjustment of the net premiums written with the increase or decrease during the year in the liability for unearned premiums.

X 935, unearned premiums. Represents the estimated aggregate net amount, after deduction of reinsurance credits, which an insurance company would be obliged to tender to its policyholders as return premiums for the unexpired terms, should it wish to cancel every policy in force.

X 936 and 937, ratios. As to losses, the ratio of losses and claim expenses incurred to premiums earned is used, but expenses incurred are ratioed to premiums written. When premium volume is increasing or decreasing, the combined loss and expense ratio thus calculated is a more accurate gauge of underwriting than the statutory figure.

X 938 and 939, underwriting profit or loss. This item is the statutory figure taken from the annual statements of insurance companies and represents a comparison of losses and expenses incurred with premiums earned, adjusted with minor profit and loss items. This statutory figure does not include any adjustment for the estimated gain or loss in the equity in unearned premium liability.

X 947-956. Stock company resources and operating results, 1910-1970.

Source: See source for series X 918-932, 1959, pp. 20 and 22, and 1971, pp. 30 and 32.

See text for series X 918-932 and X 933-946.

X 954, investment profit or loss. This item is the statutory figure taken from the annual statements of insurance companies. From 1931 to 1934, arbitrary average values were used in valuing stocks owned by insurance companies; since 1934, market prices have been used for stocks but all bonds not in default have been listed at amortized values. This item, therefore, does not reflect actual market prices for all securities since December 31, 1931, although in most recent years the market prices of high-grade bonds have usually exceeded the amortized values at which they are carried in the statements.

X 957-962. Subscription or premium income and benefit expenditures of private health insurance organizations, 1948-1970.

Source: U.S. Social Security Administration, 1948, 1950, 1955, and 1960-1970, Social Security Bulletin, February 1973, tables 17 and 20; all other years, unpublished data.

Blue Cross and Blue Shield data were supplied by the Blue Cross Association and the National Association of Blue Shield plans from data reported to them by the individual plans. The data for insurance companies were compiled by the Health Insurance Association of America from its annual survey of the number of persons covered by insurance companies under group and individual policies. The data for independent health insurance plans are estimates of the Office of Research and Statistics, Social Security Administration, based on its annual survey of these plans.

Series X 879-889. Life Insurance Companies and Life Insurance in Force in the United States, by Type: 1759 to 1970

[As of December 31]

					As of Decem	iber 31j		· · · · · · · · · · · · · · · · · · ·			
	N			Life in	surance in for	ce	·		Average s	ize policy in fo	rce (dol.)
Year	Number of companies	Policies (mil.)	Coverage per family		v	alue (mil. dol	.)		Ordinary	Group	Industrial
			(dol.)	Total	Ordinary	Group 1	Industrial 2	Credit 8			
	879	880	881	882	883	884	885	886	887	888	889
1970 1969 1968 1967 1966	1,802 1,790 1,776 1,723 1,711	355 351 346 336 331	20,900 19,500 18,400 17,200 15,900	1,402,123 1,284,529 1,183,354 1,079,821 984,689	784,730 682,458 633,392 584,570 541,022	551,357 488,864 442,778 394,501 345,945	38,644 38,614 38,827 39,215 39,663	77,392 74,598 68,357 61,535 58,059	6,105 5,773 5,453 5,150 4,938	6,905 6,478 6,074 5,738 5,356	500 490 480 470 450
1965 1964 1963 1962 1961		320 308 299 290 286	14,700 13,300 12,200 11,400 10,800	900,554 797,808 730,623 675,977 629,493	499,638 457,868 420,808 391,048 366,141	808,078 258,620 229,477 209,950 192,794	39,818 39,833 39,672 39,638 39,451	53,020 46,487 40,666 35,341 31,107	4,662 4,382 4,136 3,932 3,766	5,056 4,637 4,494 4,323 4,167	450 430 420 420 400
1960* 1959 1958 1957 1956		282 275 267 266 261	10,200 9,500 8,800 8,300 7,500	586,448 542,128 493,561 458,359 412,630	341,881 317,158 288,607 264,949 238,348	175,903 160,163 144,772 133,905 117,399	39,563 39,809 39,646 40,139 40,109	29,101 24,998 20,536 19,366 16,774	3,597 3,424 3,227 3,041 2,853	4,034 3,875 3,736 3,580 3,361	390 390 380 370 360
1955	1,107 917 832 730 679	251 237 229 219 210	6,900 6,300 5,800 5,300 4,900	372,332 333,719 304,259 276,591 253,140	216,812 198,599 185,007 170,875 159,109	101,345 86,410 72,913 62,913 54,398	39,682 38,664 37,781 36,448 34,870	14,493 10,046 8,558 6,355 4,763	2,721 2,619 2,530 2,452 2,378	8,202 3,018 2,755 2,667 2,535	350 350 340 330 320
1950 1949 1948 1947 1946		202 194 187 182 173	4,600 4,300 4,200 8,800 3,600	234,168 213,672 201,208 186,035 170,066	149,116 138,862 131,158 122,393 112,818	47,793 40,207 37,068 32,026 27,206	33,415 32,087 31,253 30,406 29,313	3,844 2,516 1,729 1,210 729	2,319 2,264 2,240 2,200 2,150	2,478 2,330 2,280 2,050 2,060	310 300 290 290 280
1945 1944 1948 1942 1941		163 159 151 144 140	3,200 3,100 3,000 2,800 2,800	151,762 145,771 137,158 127,721 122,178	101,550 95,085 89,596 85,189 82,525	22,172 23,922 22,413 19,316 17,859	27,675 26,474 24,874 22,911 21,825	365 290 275 355 469	2,100 2,080 2,080 2,090 2,100	1,930 1,860 1,760 1,740 1,710	270 270 270 250 250
1940		134 131 129 128 124	2,700 2,600 2,600 2,600 2,500	115,580 111,569 108,927 107,794 102,653	79,346 77,121 75,772 74,836 72,361	14,938 13,641 12,503 12,638 11,291	20,866 20,500 20,396 20,104 18,863	380 307 256 216 138	2,130 2,130 2,150 2,180 2,160	1,700 1,790 1,890 1,710 1,670	240 240 240 240 230
1935		121 117 115 116 124	2,400 2,400 2,400 2,600 2,800	98,464 96,677 96,246 101,559 106,970	70,684 70,094 70,872 75,898 79,514	10,208 9,472 8,681 8,923 9,736	17,471 17,036 16,630 16,669 17,635	101 75 63 69 85	2,160 2,210 2,260 2,380 2,420	1,590 1,710 1,780 1,860 1,730	220 220 210 210 210
1930 1929 1928 1927 1926		124 123 116 110 104	2,800	106,413 102,086 92,590 84,775 77,642	78,576 75,686 68,430 63,334 58,453	9,801 8,994 7,889 6,333 5,362	17,963 17,349 16,231 15,078 13,803	73 57 40 30 24	2,460 2,470 2,410 2,400 2,350	1,700 1,590 1,580 1,450 1,400	210 190 200 190 180
1925 1924 1923 1922 1921		97 90 83 76 70		69,475 61,327 55,097 48,342 43,944	52,892 47,283 43,077 38,053 34,777	4,247 3,127 2,893 1,795 1,527	12,318 10,905 9,618 8,486 7,633	18 12 9 8 7	2,270 2,200 2,160 2,090 2,040	1,340 1,280 1,180 1,150 1,070	170 170 160 150 150
1920	835 814 295 295 293	65 60 58 49 45		40,540 32,971 27,924 25,243 22,853	32,018 25,783 21,818 19,868 18,081	1,570 1,092 630 349 155	6,948 6,092 5,474 5,026 4,617	(3)	1,990 1,860 1,840 1,830 1,800	960 920 840 780 780	150 130 140 130 130
1915 1914	307 302	41 39 37 34 31		21,029 19,737 18,683 17,301 16,125	16,650 15,661 14,827 13,709 12,772	100 65 31 13 (Z)	4,279 4,011 3,825 3,579 3,353		1,800 1,810 1,810 1,800 1,790	830 970 910 1,080	130 130 130 140 140
1910 1909 1908 1907 1906	211 190 163	29 27 25 24 23		14,908 13,878 13,085 12,639 12,285	11,783 10,960 10,450 10,103 9,871		3,125 2,918 2,635 2,636 2,414		1,830 1,830 1,850 1,860 1,870		140 140 140 140 140
1905	106 101 95 86	22 20 19 17 16		11,863 11,165 10,217 9,369 8,369	9,585 9,059 8,264 7,594 6,766		2,278 2,106 1,953 1,775 1,603		1,880 1,930 1,970 2,020 2,040		140 140 140 130
1900 1899 1898 1897 1896	82 73 69	14 12 11 10 9		7,573 6,822 6,053 5,555 5,207	6,124 5,547 4,952 4,563 4,323		1,449 1,275 1,101 992 884		2,160 2,210 2,310 2,340 2,420		130 130 130 120 120
1895	66 66 66	9		4,988 4,847 4,609 4,267 8,868	4,170 4,048 3,948 3,685 3,388		818 799 661 582 481				120
See footnotes at	tend of table	•	1	1	II .	ı	1	1	•	•	ı

INSURANCE X 879–893

Series X 879-889. Life Insurance Companies and Life Insurance in Force in the United States, by Type: 1759 to 1970—Con.

[As of December 31]

	Number of	Value in i	e of life insu force (mil. d	rance ol.)		Number of	Value of lif in force (e insurance mil. dol.)		Number of	Value of lif in force (e insurance mil. dol.)		Number of
Year	companies	Total	Ordinary	Industrial ²	Year	companies	Total	Ordinary	Year	companies	Total	Ordinary	Year	companies
	879	882	883	885		879	882	883		879	882	883		879
1890 1889 1888 1887 1886	60 60 60 59	3,522.2 8,122.6 2,742.0 2,456.3 2,096.9	3,094.7 2,758.1 2,437.8 2,201.8 1,899.1	427.5 864.5 304.2 254.5 197.8	1855 1854 1853 1852 1851	42 43 41 45 50	106.0 94.0 (NA) (NA) (NA)	106.0 94.0 (NA) (NA) (NA)	1820 1819 1818 1817 1816	6 5 5 4 4	0.1 (NA) (NA) (NA) (NA)	0.1 (NA) (NA) (NA) (NA)	1785 1784 1783 1782 1781	2
1885 1884 1883 1882 1881	56 56 56 55 58	2,007.1 1,995.9 1,872.1 1,720.8 1,606.5	1,861.3 1,884.8 1,784.9 1,664.6 1,573.0	145.8 111.1 87.2 56.2 33.5	1850 1849 1848 1847 1846	48 88 30 25 20	97.1 (NA) (NA) (NA) (NA) (NA)	97.1 (NA) (NA) (NA) (NA) (NA)	1815 1814 1813 1812 1811	4 4 3 4 2	(Z)	(Z)	1780 1779 1778 1777 1777	2 2 2 2 2 2
1880 1879 1878 1877 1876	59 61 65 69 76	1,522.7 1,474.9 1,519.7 1,512.1 1,690.6	1,502.2 1,469.5 1,517.7 1,511.1 1,690.2	20.5 5.4 2.0 1.0 .4	1845 1844 1843 1842 1841	18 16 15 15 14	14.5 (NA) (NA) (NA) (NA)	14.5 (NA) (NA) (NA) (NA)	1810 1809 1808 1807 1806	2 2 2 2 2			1775 1774 1773 1772 1771	2 2 2 2 2
1875 1874 1873 1872 1871	86 96 96 108 123	1,873.9 1,947.6 2,040.8 2,079.2 2,083.0	1,873.9 1,947.6 2,040.8 2,079.2 2,083.0		1840 1839 1838 1837 1836	15 17 18 18 17	4.7 (NA) (NA) (NA) (NA) (NA)	4.7 (NA) (NA) (NA) (NA)	1805 1804 1803 1802 1801	2 2 2 2 4			1770 1769 1768 1767 1766	2 2 1 1 1
1870 1869 1868 1867 1866	129 127 113 100 79	2,006.1 1,824.8 1,584.6 1,168.0 874.2	2,006.1 1,824.8 1,534.6 1,168.0 874.2		1835 1834 1833 1832 1831	15 13 12 10 9	2.8 (NA) (NA) (NA) (NA) (NA)	2.8 (NA) (NA) (NA) (NA) (NA)	1800 1799 1798 1797 1796	4 4 4 4			1765 1764 1768 1762 1761	1 1 1 1 1
1865 1864 1863 1862 1861	61 58 50 48 44	589.9 404.3 276.1 191.8 173.8	589.9 404.3 276.1 191.8 173.3		1830	9 7 7 7	.6 (NA) (NA) (NA) (NA)	.6 (NA) (NA) (NA) (NA)	1795 1794 1793 1792 1791	4 4 2 2 2 2			1760 1759	1
1860 1859 1858 1857 1856	43 38 36 37 38	178.3 151.7 130.5 120.6 106.5	178.8 151.7 130.5 120.6 106.5		1825 1824 1823 1822 1821	7 7 7 7 6	.2 (NA) (NA) (NA) (NA)	.2 (NA) (NA) (NA) (NA)	1790 1789 1788 1787 1786	33332				

^{*} Denotes first year for which figures include Alaska and Hawaii.

NA Not available. Z Less than \$50,000 or less than \$500,000.

1 Initial year 1911.

Series X 890-893. Sales of Life Insurance, by U.S. Life Insurance Companies, by Type: 1854 to 1970

Year	Total	Ordinary	Group	Industrial ¹	Year	Total	Ordinary	Group	Industrial 1	Year	Total	Ordinary	Group	Industrial 1
	890	891	892	893		890	891	892	893		890	891	892	893
1970	² 213,907	138,356	² 68,939	6,612	1945	15,391	10,577	1,302	3,512	1920	9,415	7,634	441	1,340
1969	172,811	124,124	42,192	6,495	1944	14,124	9,184	1,621	3,319	1919	7,882	6,369	433	1,080
1968	³ 162,091	112,820	³ 42,596	6,675	1943	13,281	8,022	1,924	3,335	1918	4,731	3,520	268	943
1967	³ 154,070	103,823	³ 43,195	7,052	1942	11,888	7,041	1,657	3,190	1917	4,553	3,500	184	869
1966	130,659	95,987	27,589	7,083	1941	12,564	7,935	1,197	3,432	1916	3,893	2,986	90	817
1965	2 149,812	89,643	2 52,867	7,302	1940	11,087	7,022	747	3,318	1915	3,285	2,437	48	800
1964	111,899	79,430	25,149	7,320	1939	10,935	6,886	844	3,205	1914	3,098	2,305	41	752
1963	95,882	68,862	19,854	7,166	1938	11,045	6,745	507	3,793	1913	3,175	2,414	22	739
1962	84,624	61,259	16,260	7,105	1937	12,572	7,593	800	4,179	1912	2,886	2,125	13	748
1961	85,317	58,888	19,181	7,248	1936	12,165	7,314	626	4,225	1911	2,688	2,008	(Z)	680
1960	78,417	56,183	15,328	6,906	1935	12,298	7,550	715	4,033	1910	2,871	1,742		629
1959*	75,107	55,138	13,077	6,892	1934	11,928	7,363	534	4,031	1909	2,232	1,574		658
1958	72,918	50,839	15,061	7,018	1933	10,846	6,786	427	3,633	1908	1,884	1,379		505
1957	71,748	48,937	16,016	6,795	1932	12,305	7,896	720	3,689	1907	1,782	1,272		510
1956	60,037	38,941	14,518	6,578	1931	15,066	10,161	927	3,978	1906	1,963	1,377		586
1955	3 50,243	32,207	3 11,637	6,399	1930	17,265	11,905	1,381	3,979	1905	2,283	1,666		617
1954	3 47,453	26,824	3 13,669	6,960	1929	17,755	12,305	1,379	4,071	1904	2,316	1,729		587
1953	38,134	24,908	6,609	6,617	1928	16,942	11,654	1,508	3,780	1908	2,217	1,660		557
1952	32,954	21,579	5,285	6,090	1927	15,582	10,777	1,008	3,797	1902	2,064	1,488		576
1951	28,857	19,000	4,261	5,596	1926	15,217	10,508	1,174	3,535	1901	1,895	1,326		569
1950	29,989	18,260	6,237	5,492	1925	14,278	10,060	1,075	3,143	1900	1,755	1,221		534
1949	24,215	15,848	2,911	5,456	1924	12,039	8,764	649	2,626	1899	1,609	1,118		491
1948	28,380	15,787	2,998	4,595	1923	11,061	8,273	549	2,239	1898	1,286	883		408
1947	23,637	16,131	2,768	4,738	1922	8,885	6,720	298	1,867	1897	1,196	803		893
1946	22,805	16,244	2,152	4,409	1921	7,957	6,248	128	1,581	1896	1,034	687		347

 $^{^2}$ First weekly premium policy issued 1873; industrial agency system introduced 1875. 3 Initial year 1917.

Series X 890-893. Sales of Life Insurance, by U.S. Life Insurance Companies, by Type: 1854 to 1970—Con.
[In millions of dollars]

Year	Total	Ordinary	Industrial ¹	Year .	Total	Ordinary	Industrial 1	Year	Total	Ordinary
1681	890	891	893		890	891	893		890	891
1895 1894 1893 1892 1891	1,113 1,274 1,131 1,096 1,006	744 712 797 819 779	369 562 334 277 227	1880 1879 1878 1877 1876	228 178 168 179 233	193 173 166 178 233	35 5 2 1	1865 1864 1863 1862 1861	245 156 90 44 25	245 156 90 44 25
1890	984 871 723 697 609	742 669 545 538 477	242 202 178 159 133	1875	299 352 466 490 489	299 352 466 490 489	(1) (1) (1)	1860 1859 1858 1857 1856	36 30 23 21 20	36 30 23 21 20
1885 1884 1883 1882 1881	432 418 394 321 268	339 329 317 269 231	94 89 77 52 37	1870 1869 1868 1867 1866	588 615 580 472 405	588 615 580 472 405		1855 1854	17 15	17 15

^{*} Denotes first year for which figures include Alaska and Hawaii.

Z Less than \$500,000.

1 First weekly premium policy issued in 1873; industrial agency system introduced 1875. Yearly sales, 1873–1875, probably less than \$500,000.

Series X 894-907. Income and Disbursements of U.S. Life Insurance Companies: 1854 to 1970 [In millions of dollars]

		Inc	ome						Disburs	ements						
	Total insur- income 1 Life insur- ance pre- miums					Payments to policyholders										
Year		insur- Annuity ance pre- miums	Invest- ment and other income ²	Total disburse- ments	Total 1	Death bene- fits ³	Matured endow- ments	Annuity pay- ments	Policy divi- dends 4	Sur- render values	Dis- ability and accidental death benefits ³	sions, expenses, taxes, and other disburse- ments	Dividends to stock- holders			
	894	895	896	897	898	899	900	901	902	903	904	905	906	907		
1970	49,054	21,679	3,721	12,287	39,032.4	25,599.9	7,162.3	1,004.8	1,724.5	3,758.8	2,930.6	241.8	12,944.7	487.8		
1969	45,628	20,491	3,762	11,632	36,085.9	23,369.2	6,841.1	975.5	1,520.7	3,597.7	2,785.4	222.4	12,201.8	515.4		
1968	41,868	19,364	2,993	10,776	32,710.7	21,320.5	6,371.2	985.4	1,353.0	3,426.0	2,502.0	192.1	11,012.2	378.0		
1967	38,635	18,094	2,671	9,983	29,914.9	19,502.4	5,775.6	1,041.6	1,233.0	3,248.0	2,274.1	200.4	10,149.6	262.9		
1966	36,134	17,160	2,416	9,314	27,936.7	18,252.3	5,408.3	1,012.3	1,115.0	3,089.2	2,152.4	190.8	9,418.1	266.3		
1965	33,167	16,083	2,260	8,568	25,214.9	16,543.0	4,923.2	955.6	1,006.6	2,794.8	1,981.8	179.6	8,434.8	237.1		
1964	30,674	15,128	1,912	8,021	23,485.6	15,245.3	4,587.1	905.3	923.3	2,589.3	1,863.8	172.4	7,995.4	244.9		
1963	28,584	14,266	1,742	7,471	22,036.7	14,210.8	4,277.7	823.5	874.9	2,439.8	1,826.1	159.9	7,640.9	185.0		
1962	26,000	13,215	1,484	6,627	19,759.1	13,106.1	3,936.1	725.5	790.1	2,253.2	1,808.1	153.5	6,481.2	171.8		
1961	24,397	12,546	1,385	6,139	18,609.1	12,288.3	3,624.8	719.3	736.5	2,080.9	1,820.3	145.7	6,134.5	186.3		
1960	23,007	11,998	1,841	5,642	17,498.5	11,425.0	3,442.7	678.5	690.2	1,889.3	1,650.4	139.6	5,914.0	159.5		
1959*	21,790	11,487	1,494	5,168	16,139.1	10,388.8	3,171.4	625.2	629.3	1,664.4	1,520.1	126.5	5,570.7	179.6		
1958	20,249	10,758	1,424	4,778	15,126.7	9,891.2	2,971.7	759.8	578.0	1,566.3	1,457.8	133.4	5,082.2	153.3		
1957	19,838	10,241	1,408	4,558	14,197.3	9,222.7	2,785.7	733.4	529.4	1,473.7	1,290.5	127.9	4,837.3	137.3		
1956	17,865	9,592	1,293	4,281	12,492.4	8,055.6	2,495.3	655.5	502.7	1,858.2	1,024.4	117.8	4,302.1	134.7		
1955	16,544	8,903	1,288	3,998	11,263.9	7,267.5	2,289.6	615.0	453.2	1,270.9	922.5	118.2	3,891.5	104.9		
1954	15,280	8,239	1,209	3,717	10,246.8	6,570.1	2,111.6	543.1	417.3	1,117.6	868.6	118.9	8,585.6	91.1		
1953	14,271	7,778	1,190	3,424	9,416.5	5,976.5	2,023.7	475.5	411.7	985.2	714.3	118.2	3,347.7	92.3		
1952	18,076	7,228	1,094	3,193	8,467.4	5,371.4	1,881.4	440.7	369.0	868.4	644.0	112.8	3,037.0	59.0		
1951	12,012	6,785	961	2,972	7,838.6	4,983.4	1,749.2	504.0	345.7	796.9	618.6	101.7	2,803.2	52.0		
1950	11,887	6,249	989	3,148	7,189.7	4,402.7	1,593.8	493.8	257.2	679.3	666.3	182.7	2,696.6	90.4		
1949	10,876	5,926	768	2,865	6,475.6	3,997.4	1,483.7	469.7	239.7	634.5	588.7	128.5	2,416.1	62.1		
1948	9,751	5,679	799	2,594	5,955.5	3,670.7	1,443.3	436.2	229.9	600.5	472.9	124.9	2,240.2	44.6		
1947	9,114	5,370	718	2,461	5,469.4	3,338.3	1,335.7	415.6	214.4	567.0	389.9	122.0	2,092.6	38.5		
1946	8,068	4,982	644	2,442	4,611.1	2,848.3	1,274.5	404.6	199.0	507.2	327.3	135.7	1,728.9	33.9		
1945	7,674	4,589	570	2,515	4,218.6	2,718.8	1,282.2	413.7	184.8	472.4	240.7	125.0	1,469.3	30.5		
1944	7,011	4,265	528	2,218	8,972.1	2,527.9	1,203.1	360.6	173.7	437.7	235.4	117.4	1,420.1	24.1		
1948	6,442	8,942	415	2,085	3,781.2	2,407.5	1,092.5	324.6	165.2	410.1	295.0	120.1	1,335.5	38.2		
1942	6,029	3,753	368	1,908	8,739.6	2,443.2	993.0	268.1	159.3	434.5	453.8	184.5	1,282.2	14.2		
1941	5,855	8,607	413	1,835	3,827.4	2,550.2	989.7	264.3	152.0	429.7	573.1	141.4	1,258.7	18.5		
1940	5,658	8,501	386	1,771	3,914.0	2,680.7	976.9	275.1	142.3	456.1	688.5	141.8	1,215.2	18.1		
1939	5,453	8,431	345	1,677	3,826.9	2,641.5	943.2	241.6	133.6	456.5	731.6	135.0	1,165.9	19.5		
1938	5,357	3,368	393	1,596	3,744.4	2,578.1	934.0	175.9	123.2	446.9	771.2	126.9	1,152.7	13.6		
1937	5,257	3,354	376	1,527	3,610.3	2,437.0	937.3	154.7	109.9	485.4	669.3	130.4	1,155.1	18.2		
1936	5,180	3,216	440	1,524	3,518.0	2,429.2	919.2	154.2	94.8	418.3	712.7	130.0	1,076.1	12.7		
1935	5,072	3,182	491	1,399	3,593.0	2,535.1	877.4	145.0	76.1	424 .2	882.5	129.9	1,047.5	10.4		
1934	4,786	3,107	400	1,279	3,661.7	2,704.9	875.4	129.4	58.2	437 .7	1,077.8	126.4	945.2	11.6		
1933	4,622	3,057	254	1,311	3,917.4	3,016.4	877.1	121.0	42.2	499 .4	1,356.6	120.1	891.9	9.1		
1932	4,653	3,314	181	1,158	8,997.7	3,087.0	905.3	122.6	36.5	562 .7	1,346.1	113.8	896.7	14.0		
1931	4,850	3,477	176	1,197	3,537.8	2,606.6	915.2	117.0	29.0	584 .6	861.0	99.8	914.2	17.0		
1930	4,594	3,416	101	1,077	3,198.5	2,246.8	855.8	112.0	23.8	553.7	614.2	87.8	929.8	21.9		
1929	4,337	8,251	92	994	2,882.3	1,961.5	807.8	108.8	21.2	513.2	448.0	62.5	898.5	22.3		
1928	4,088	3,037	98	953	2,547.9	1,698.7	705.9	89.9	16.8	465.8	369.2	51.1	828.1	21.1		
1927	3,673	2,814	52	807	2,295.2	1,499.9	613.5	89.2	13.0	417.9	824.5	41.8	777.0	18.3		
1926	3,330	2,577	89	714	2,123.8	1,373.2	569.1	98.7	11.3	376.9	282.9	34.3	737.4	13.2		

² Includes servicemen's group life insurance of \$27.4 billion in 1965 and \$16.8 billion in 1970.

³ Includes Federal employees group life insurance of \$6,756 million in 1954, \$1,928 million in 1955, \$8.2 billion in 1967, and \$3.4 billion in 1968.

INSURANCE X 894-907

Series X 894-907. Income and Disbursements of U.S. Life Insurance Companies: 1854 to 1970—Con. [In millions of dollars]

		Inc	ome						Disburs	ements				
	Total	Life		Invest-	Total			Payme	nts to policy	holders		Di-	Commis- sions, expenses, taxes,	Divi- dends
Year	income 1 ance pre-		Annuity pre- miums	ment and other income	disburse- ments	Total ¹	Death bene- fits	Matured endow- ments	Annuity pay- ments	Policy divi- dends ⁴	Sur- render values	Dis- ability and accidental death benefits	and other disburse- ments	to stock- holders
	894	895	896	897	898	899	900	901	902	903	904	905	906	907
1925 1924 1923 1922 1921	3,018 2,703 2,427 2,149 1,951	2,340 2,096 1,881 1,671 1,523	38 20 13 11 11	640 587 533 467 417	1,936.5 1,813.2 1,680.4 1,493.9 1,289.0	1,246.2 1,205.1 1,089.1 1,005.7 840.0	493.4 449.7 420.8 370.1 338.9	114.5 138.6 142.9 138.3 121.9	10.0 10.1 10.0 9.5 10.7	351.1 351.1 274.7 259.8 192.0	248.6 235.7 225.3 218.4 167.2	28.6 19.9 15.4 9.6 9.3	675.8 596.4 579.0 477.5 443.0	14.5 11.7 12.3 10.7 6.0
1920 1919 1918 1917 1916	1,764 1,560 1,325 1,249 1,118	1,374 1,187 980 916 835	7 17 11 10 10	383 356 334 323 273	1,198.3 1,105.7 998.9 845.8 792.4	744.6 739.9 710.2 590.2 566.4	350.0 354.1 372.9 264.6 256.4	101.2 103.7 80.0 74.6 63.5	9.4 10.9 11.1 10.0 9.1	157.5 159.5 145.2 136.7 125.3	119.0 111.7 101.0 104.3 112.0	7.5	448.4 361.6 283.6 251.8 220.9	5.3 4.2 5.0 3.8 5.2
1915 1914 1913 1912 1911	1,043.1 985.0 945.6 893.4 836.1	776.4 738.8 708.5 666.3 625.9	5.7 5.4 4.6 4.9 4.2	261.0 240.8 232.5 222.2 206.0	768.5 704.7 660.6 629.2 579.9	544.7 509.5 469.6 448.8 414.3	237.4 222.1 209.6 205.2 194.1	63.4 60.7 56.0 55.7 48.5	8.9 8.1 8.4 7.8 7.4	111.3 107.9 101.2 92.8 83.1	123.8 110.6 94.4 87.4 81.2		220.5 192.0 186.9 178.2 163.6	3.3 3.3 4.1 2.1 2.0
1910 1909 1908 1907 1906	781.0 748.0 703.9 678.7 667.2	587.7 560.2 542.0 528.4 521.5	5.7 5.0 3.9 4.7 5.1	187.6 182.8 158.0 145.6 140.6	540.3 505.4 467.7 438.8 426.9	387.3 360.7 335.8 309.7 287.3	180.7 172.3 164.7 164.2 153.0	46.4 41.2 34.9 33.0 29.3	7.4 7.4 7.2 7.3 7.1	75.4 63.0 54.5 46.3 40.3	77.5 76.8 74.5 58.9 57.7		150.9 143.2 130.2 128.0 138.6	2.1 1.4 1.7 1.1 1.0
1905 1904 1903 1902 1901	642.1 599.1 553.6 504.5 458.0	507.7 477.2 438.7 396.5 357.6	8.3 11.1 8.8 10.4 8.7	126.1 110.8 106.1 97.6 91.7	411.9 391.8 360.5 322.0 302.8	265.0 247.1 225.8 199.9 192.4	149.7 144.5 131.7 118.4 117.9	28.0 25.3 24.6 22.4 21.3	6.8 6.3 5.6 4.9 4.4	36.1 33.6 31.4 26.9 24.3	44.4 37.4 32.6 27.3 24.6		145.9 143.9 133.8 121.2 109.6	1.0 .9 .9 .9
1900 1899 1898 1897 1896	400.6 365.4 325.5 304.9 283.7	318.4 285.6 252.6 237.3 222.9	6.3 6.2 5.1 6.0 5.0	75.9 73.6 67.8 61.6 55.8	267.6 250.3 222.5 209.0 202.6	168.7 160.0 146.8 139.4 136.2	100.7 96.2 82.7 78.6 77.3	18.3 15.4 14.0 12.4 12.3	4.1 3.7 3.4 3.0 2.6	22.9 21.4 20.0 18.5 17.2	22.7 23.4 26.8 27.0 26.7		97.9 89.5 74.9 68.8 65.5	1.0 .8 .9 .8
1895 1894 1893 1892 1891	271.9 262.0 241.7 227.6 213.4	216.1 207.1 195.0 181.9 170.0	3.6 2.6 2.0 2.6 2.9	52.2 52.3 44.7 43.1 40.5	189.8 182.3 170.4 156.4 144.6	125.1 118.4 112.7 104.5 97.0	73.1 69.8 66.6 63.9 55.8	10.9 8.3 8.5 8.0 8.5	2.4 2.3 2.3 2.1 2.0	15.4 14.8 15.1 14.7 14.2	23.4 23.6 20.2 15.9 16.5		63.8 63.1 56.9 51.2 46.9	.8 .8 .8 .7
1890 1889 1888 1887 1886	195.6 176.2 153.9 133.7 119.1	153.6 137.2 117.9 101.6 89.1	3.2 2.9 2.4 1.9 1.7	38.8 36.1 33.6 30.2 28.3	134.2 120.8 108.7 96.0 84.1	90.0 82.1 76.5 68.9 61.5	50.9 44.9 41.1 35.9 30.8	8.9 9.1 8.1 6.5 6.9	1.8 1.5 1.4 1.2 1.1	14.5 14.1 14.5 14.9 13.2	14.0 12.4 11.5 10.4 9.4		43.7 38.3 31.7 26.6 22.3	.5 .5 .5 .4 .3
1885 1884 1883 1882 1881	107.0 98.1 93.4 85.7 80.2	78.8 71.8 66.0 59.4 54.9	1.2 1.3 2.2 1.7 1.9	27.0 25.0 25.2 24.6 23.4	82.8 78.6 72.5 66.7 66.3	61.6 59.5 56.4 52.8 52.7	30.3 27.1 25.4 23.0 22.8	7.6 8.8 7.9 6.4 7.9	1.1 1.0 .8 .6 .5	13.0 13.0 13.4 13.6 12.6	9.6 9.5 8.8 9.3 8.9		20.8 18.8 15.8 13.6 13.3	.4 .4 .3 .3
1880 1879 1878 1877 1876	77.7 77.8 80.5 86.2 96.4	53.0 53.1 56.8 62.7 71.8	1.2 .7 .5 .3 .3	23.5 24.0 23.2 23.2 24.3	67.5 69.0 72.1 74.3 76.6	53.2 57.4 60.9 60.7 63.1	21.9 22.6 19.7 21.0 22.3	7.9 8.8 9.2 4.9 3.0	.3 .3 .3 .2 .2	13.2 13.5 14.6 15.4 16.2	9.9 12.2 17.1 19.2 21.4		13.9 11.3 11.0 13.3 13.2	.3 .3 .2 .4 .3
1875 1874 1873 1872 1871	108.6 115.7 118.4 117.3 113.5	83.4 89.2 95.8 96.5 96.6	.4 .2 .2 .1 .1	24 .8 26 .3 22 .4 20 .7 16 .8	80.0 81.2 84.5 78.2 77.5	65.5 64.9 66.8 59.7 56.7	25.0 5 25.7 5 27.1 5 25.6 5 28.7	(5) (5) (5) (5) (6)	.2 .1 .1 .1	17.9 16.6 22.9 20.1 14.6	20.4 22.5 16.7 13.9 13.3		14.1 16.0 17.2 18.0 20.2	.4 .4 .5 .6
1870 1869 1868 1867 1866	105.0 98.5 77.4 56.5 40.4	90.2 86.0 67.8 50.4 35.8	(Z) (Z) (Z)	14.7 12.4 9.5 6.1 4.6	63.9 54.5 41.0 26.3 17.2	44.9 36.6 26.5 16.5 10.2	5 19.5 6 15.6 10.1 7.6 6.1	(5) (5) .9 .6 .3	(Z) (Z) (Z)	15.8 15.7 11.7 6.2 2.5	9.6 5.1 3.8 2.1 1.2		18.3 17.3 13.8 9.5 6.8	.6 .6 .3 .2
1865 1864 1863 1862 1861	24.9 16.1 10.6 7.4 6.3	6 21.6 6 13.1 6 8.5 6 5.7 6 4.9	(6) (6) (6) (6) (6)	3.3 8.0 2.1 1.7 1.4	10.6 7.0 5.8 3.8 3.6	6.3 4.6 3.7 2.8 2.8	74.1 73.1 72.3 71.7 71.5	(7) (7) (7) (7) (7)	(7) (7) (7) (7) (7)	1.5 1.0 1.0 .6 .6	.7 .4 .4 .5		4.0 2.8 1.9 .9	.3 .1 .1 .1
1860 1859 1858 1857	6.0 5.2 4.5 4.0	64.8 64.0 63.6 63.2	(6) (6) (6) (6)	1.2 1.2 .9 .8	2.9 2.6 2.4 2.1	2.1 1.9	7 1.4 7 1.3 1.2 1.2	(7) (7)	(7) (7)	.5 .4	.2 .1		.7 .8	(Z) .1
1856 1855 1854	3.8 3.5 3.2	63.0 63.0 62.6	(6) (6) (6)	.8 .5 .6	2.1 2.0 2.0 2.0		1.2 1.0 1.2 1.0							

^{*} Denotes first year for which figures include Alaska and Hawaii.

Z Less than \$50,000.

Beginning 1947, includes data on operations of accident and health departments of U.S. life insurance companies, not shown separately; therefore components will not add to totals.

Beginning 1951, investment income is net of investment expenses.

Beginning 1951, accidental death benefits included with death benefits; figures for

series X 456 are for disability benefits only. Accidental death benefits approximately \$30 million in 1951.

4 Beginning 1947, includes policy dividends paid by accident and health departments of U.S. life insurance companies.

5 Matured endowments included with death benefits.

6 Annuity premiums included with life insurance premiums.

7 Matured endowments and annuity payments included with death benefits.

Series X 908-917. Assets, Earning Rate, Liabilities, and Capital and Surplus of U.S. Life Insurance Companies: 1854 to 1970

			=	1854 to	1970					
			Assets (mil. dol.)			Net rate	Liabilities	Capital	
Year (As of Dec. 31)	Total	Bonds	Stocks	Mortgages	Real estate	Other 1	of interest earned on assets	Total	Policy reserves	and surplus (mil. dol.)
	908	909	910	911	912	913	914	915	916	917
1970 1969 1968 1967 1966 1965 1964 1963 1962 1961	207,254 197,208 188,636 177,832 167,455 158,884 149,470 141,121 133,291 126,816	84,166 81,773 79,406 75,766 72,215 70,152 67,963 66,083 63,722 60,932	15, 420 13, 707 13, 230 10, 877 8, 832 9, 126 7, 938 7, 135 6, 302 6, 258	74,375 72,027 69,973 67,516 64,609 60,013 55,152 50,544 46,902 44,203	6,320 5,912 5,571 5,187 4,885 4,681 4,528 4,319 4,107 4,007	26,973 23,789 20,456 18,486 16,914 14,912 13,889 13,040 12,258 11,416	5.30 5.12 4.95 4.82 4.73 4.61 4.53 4.45 4.34 4.34	189,931 180,154 171,804 162,084 152,539 145,048 136,589 129,088 122,035 116,240	167,556 158,550 150,308 142,418 134,711 127,620 120,698 114,301 108,384 103,285	17,323 17,054 16,832 15,748 14,916 13,836 12,881 12,033 11,256 10,576
1960		58,555 56,686 54,233 51,356 49,107 47,741 46,294 44,402 41,974 39,650	4,981 4,561 4,109 3,391 3,503 3,633 3,268 2,573 2,446 2,221	41,771 39,197 37,062 35,236 32,989 29,445 25,976 23,322 21,251 19,314	3,765 3,661 3,364 3,119 2,817 2,581 2,298 2,020 1,903 1,631	10,504 9,555 8,812 8,207 7,595 7,032 6,650 6,216 5,801 5,462	4.11 3.96 3.85 8.75 3.63 3.51 3.46 3.36 3.28	109,902 104,533 98,773 93,085 88,321 83,424 78,103 72,819 68,119 63,428	98,473 93,975 88,604 84,075 79,738 75,359 70,903 66,683 62,579 58,547	9,674 9,117 8,807 8,224 7,690 7,008 6,383 5,714 5,256 4,850
1950	64,020 59,630 55,512 51,748 48,797 41,054 37,766 34,931 32,731	39,366 39,274 37,979 36,757 35,350 32,605 28,711 24,836 21,558 19,051	2,103 1,718 1,428 1,390 1,249 999 756 652 608 601	16,102 12,906 10,833 8,675 7,155 6,636 6,686 6,714 6,726 6,442	1,445 1,247 1,055 860 735 857 1,063 1,362 1,663 1,878	5,004 4,485 4,217 4,061 3,702 3,700 3,838 4,212 4,376 4,759	3.13 3.06 2.96 2.88 2.93 3.11 3.23 3.33 3.44 3.42	59,381 55,472 51,803 48,307 44,885 41,556 38,318 35,343 32,775 30,769	54,946 51,498 48,158 44,882 41,702 38,667 35,577 33,049 30,797 28,945	4,639 4,158 8,709 3,436 3,241 2,736 2,423 2,156 1,962
1940	30,802 29,243 27,755 26,249 24,874 23,216 21,844 20,896 20,754 20,160	17,092 15,734 14,473 13,272 11,869 10,041 8,533 7,189 6,843 6,806	605 587 586 558 615 583 482 487 574 567	5,972 5,688 5,445 5,230 5,128 5,357 5,875 6,701 7,336 7,673	2,065 2,139 2,179 2,192 2,149 1,990 1,693 1,267 935 684	5,068 5,100 5,072 4,997 5,113 5,245 5,261 5,252 5,066 4,430	3.45 3.54 3.59 3.69 3.71 3.70 3.92 4.25 4.65 4.93	28,964 27,512 26,122 24,706 23,274 21,826 20,417 19,475 19,308 18,750	27,238 25,827 24,495 23,202 21,800 20,404 19,030 18,077 17,839 17,384	1,838 1,731 1,633 1,543 1,600 1,390 1,427 1,421 1,446 1,410
1930	18,880 17,482 15,961 14,392 12,940 11,538 10,394 9,455 8,652 7,936	6,481 6,001 5,655 5,146 4,663 4,338 4,034 8,783 3,656 3,390	519 416 285 145 125 81 64 57 56 69	7,598 7,316 6,778 6,200 5,580 4,808 4,175 3,662 3,122 2,792	548 464 403 351 303 266 239 248 197	3,784 3,285 2,840 2,550 2,279 2,050 1,882 1,710 1,621 1,499	5.05 5.05 5.05 5.05 5.09 5.11 5.17 5.18 5.12 5.02	17,524 16,159 14,711 13,238 11,919 10,623 9,551 8,657 7,943 7,332	16,231 14,948 13,596 12,279 11,061 9,927 8,939 8,130 7,449 6,903	1,356 1,323 1,250 1,154 1,021 915 843 798 709 604
1920	7,320 6,791 6,475 5,941 5,537 5,190 4,935 4,659 4,409 4,164	3,298 3,241 3,012 2,537 2,309 2,095 1,982 1,909 1,859 1,787	75 76 82 83 83 81 83 86 96	2,442 2,094 2,075 2,021 1,893 1,779 1,706 1,618 1,485 1,358	172 168 179 179 174 173 171 166 176	1,333 1,212 1,127 1,121 1,078 1,062 993 880 793 748	4.83 4.66 4.72 4.81 4.80 4.77 4.69 4.67 4.59	6,752 6,209 5,903 5,336 4,967 4,648 4,364 4,137 3,880 3,646	6,338 5,830 5,407 5,033 4,696 4,399 4,166 3,934 3,695 3,473	568 582 572 605 570 542 571 522 529 518
1910 1909 1908 1907 1906 1905 1904 1903 1902 1901	3,876 3,644 3,380 3,053 2,924 2,706 2,499 2,265 2,092 1,911	1,660 1,616 1,473 1,281 1,299 1,211 1,066 897 872 792	130 146 147 133 160 173 173 165 132	1,227 1,084 987 921 826 724 672 624 573 532	173 167 167 170 170 171 181 178 170	686 631 606 548 469 427 407 401 345 318	4.55 4.79 4.77 4.80 4.68 4.63 4.61 4.58 4.61	3,386 3,171 2,939 2,736 2,557 2,372 2,168 1,979 1,798 1,640	3,226 3,029 2,829 2,651 2,473 2,295 2,101 1,738 1,584	490 473 441 317 367 334 331 286 294 271
1900	1,742 1,595 1,463 1,845 1,244 1,160 1,073 988 919 841	707 654 581 503 445 423 369 323 306 270	95 83 72 56 54 53 50 47 39	501 468 455 452 442 412 394 374 361	158 154 145 138 135 125 117 105 97 86	281 236 210 196 168 147 143 139 126 120	4.67 4.81 4.87 4.86 4.91 5.00 4.93 4.95 5.08 5.36	1,493 1,366 1,246 1,141 1,067 998 931 869 802 740	1,443 1,322 1,203 1,119 1,048 915 853 789 727	249 229 217 204 177 162 142 119 117
1890	771 714.5 657.1 597.6 561.6 524.7 492.2	241 251 231 207 197 182 152	6 7.8 7.7	310 283.3 262.5 244.9 227.5 212.9 205.7	81 75.7 68.6 63.4 59 58.0 54.6	109 103.8 94.4 81.5 76.5 71.2 79.8	5.10 5.27 5.43 5.47 5.39 5.42 5.48	679 624.3 574.6 524.7 459.8 431.5 410.1	670 616.3 566.8 518.4 452.8 425.0 403.3	92 90.2 82.5 72.9 101.8 93.2 82.1

INSURANCE X 908–932

Series X 908-917. Assets, Earning Rate, Liabilities, and Capital and Surplus of U.S. Life Insurance Companies: 1854 to 1970—Con.

			Assets (mil. dol.)			Net rate	Liabilities	(mil. dol.)	Capital
Year (As of Dec. 31)	Total	Bonds	Stocks	Mortgages	Real estate	Other 1	of interest earned on assets	Total	Policy reserves	and surplus (mil. dol.)
	908	909	910	911	912	913	914	915	916	917
1883	472.4	137		187.6	51.7	95.5	5.54	391.9	385.2	80.5
1882 1881	450.0 429.6	124 129		172.7 160.2	51.4 51.1	101.9 89.1	5.55 5.51	373.1 357.1	366.4 349.9	76.9 72.5
1880	418.1 401.7	124 116		164.8 173.8	51.6 49.2	76.9 62.5	5.48 5.83	346.5 336.3	338.8 328.3	71.6 65.4
1878	404.1 396.4	112 100	1.8 1.8	189.1 201.1	42.8 31.6	59.4 62.9	5.94 6.37	339.6 334.8	329.5 326.3	64.5 61.6
1875	407.4 403.1		.9	217.9 219.7	29.2 22.6	74.6 86.9	6.55	346.3 342.3	337.5 334.1	61.1 60.8
1874	387.3 360.1 335.2	56	3 6 7	210.1 189.8 164.3	18.3 15.0 12.5	93.6 98.7 103.7	6.89 6.93 6.90	328.4 311.5 288.3	320.3 300.2 277.4	58.9 48.6 46.9
1871	302.6		2.4	134.9	10.8	104.5	0.50	254.6	248.3	48.0
1870	269.5 229.1	45	1.1 1.1	108.0 83.6	9.0 7.0	104.4 93.4		221.0 180.3	209.3 170.9	48.5 48.8
1868	176.8 125.6	38	.9 .2	58.0 37.0	4.8 3.6	73.1 51.8		135.8 88.6	126.0 81.2	41.0 37.0
1866 1865 1864	91.6 64.2 49.0		3 4	23.7 16.5	2.3 1.7	37.3 23.6		65.6 49.3 34.7	59.8 42.8 21.0	26.0 14.9 14.3
1863 1862	37.8 30.1							28.6 23.8	24.0 17.5	9.2 6.3
1861	26.7							18.3	15.3	8.4
1859	24.1 20.5							17.1 15.4	14.4	$\begin{array}{c} 7.0 \\ 5.1 \end{array}$
1858	15.9 14.0 15.0									
1855 1854	12.7 11.4									
1804	11.4	ļ								

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ Includes cash, policy loans, collateral loans, due and deferred premiums, and all other assets.

Series X 918–932. Assets, Policyholders' Surplus, and Premiums Written of the Property-Liability Insurance Business: 1931 to 1970

[In millions of dollars]

			Assets				Polic	yholders' su	ırplus			Pre	emiums writ	ten	
Year	Total	Stock companies	Mutual companies	Recip- rocals	Lloyds	Total	Stock companies	Mutual companies	Recip- rocals	Lloyds	Total	Stock companies	Mutual companies	Recip- rocals	Lloyds
	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932
1970 1969 1968 1967 1966 1965 1964 1963 1962 1961	58,594 52,369 51,226 46,562 42,288 41,843 39,865 37,076 34,217 33,690	42,568 37,992 37,691 34,183 31,035 31,299 30,077 27,9 9 25,780 25,585	14,140 12,746 12,032 11,020 10,046 9,437 8,788 8,164 7,588 7,270	1,831 1,574 1,442 1,296 1,150 1,051 950 876 802 787	55 56 60 62 57 56 50 46 47 48	18,521 16,719 19,107 17,501 15,556 17,112 16,990 15,747 14,144 14,594	14,014 12,699 14,887 13,580 12,007 13,6691 12,642 11,146 11,719	4,046 3,606 3,775 3,512 3,189 3,106 2,970 2,788 2,697 2,565	443 395 423 382 338 326 315 306 288 299	18 19 22 26 22 20 15 11 12	32,867 29,225 26,026 23,829 22,090 20,063 18,317 17,175 16,034 15,474	22,430 19,970 17,838 16,343 15,197 13,855 12,648 11,881 11,207 10,783	8,980 8,023 7,111 6,509 6,017 5,413 4,973 4,656 4,239 4,134	1,433 1,206 1,054 948 849 769 673 616 566 531	25 25 29 28 27 26 24 22 22 25
1960 1959 1958 1957 1956 1955 1954 1953 1952 1951	30,132 28,602 26,309 23,449 23,106 22,305 20,416 17,872 16,397 14,756	22,777 21,801 20,115 17,889 17,811 17,275 15,789 13,772 12,779 11,535	6,581 6,080 5,539 4,981 4,727 4,481 4,115 3,641 3,211 2,861	727 669 608 535 529 513 475 420 368 320	48 52 46 43 89 35 37 40 39 40	11,980 11,633 10,679 8,859 9,607 9,461 8,392 6,573 6,246 5,739	9,495 9,381 8,619 7,073 7,800 7,694 6,697 5,192 4,964 4,543	2,163 1,993 1,825 1,575 1,575 1,587 1,553 1,494 1,211 1,136 1,062	263 247 224 202 212 208 191 162 138 125	9 12 10 9 8 7 10 9 8	14,973 14,084 12,828 12,096 11,130 10,539 9,908 9,673 8,770 7,775	10,527 9,931 9,077 8,640 7,991 7,662 7,144 7,000 6,411 5,759	3,900 3,646 3,282 3,035 2,759 2,510 2,412 2,325 2,058 1,761	523 481 445 399 358 347 331 321 277 229	23 27 24 22 22 20 22 26 24 25
1950 1949 1948 1947 1946 1945 1944 1943 1942 1941	13,476 12,100 10,530 9,408 8,315 7,851 7,010 6,408 5,798 5,435	10,603 9,520 8,288 7,465 6,630 6,309 5,617 5,141 4,661 4,432	2,552 2,295 2,003 1,745 1,525 1,398 1,259 1,144 1,023	287 252 212 176 142 128 119 109 100 88	35 34 27 21 18 16 15 14 14	5,331 4,720 3,897 3,636 3,546 3,806 3,335 3,050 2,721 2,606	4,217 3,708 3,066 2,905 2,879 3,151 2,729 2,494 2,222 2,164	990 902 743 658 607 595 547 501 448 397	114 101 80 65 54 53 49 45	9 10 8 7 6 7 6 5 6 5	6,866 6,356 5,877 5,113 4,052 3,230 2,985 2,774 2,841 2,583	5,138 4,760 4,403 3,862 3,063 2,425 2,258 2,091 2,165 1,989	1,506 1,393 1,299 1,104 879 720 650 610 602 529	199 180 159 133 100 78 70 66 67 59	23 23 17 13 9 7 8 7 7
1940	5,145 4,921 4,781 4,549 4,690 4,160 3,689 3,627 4,142 4,440	4,229 4,063 3,976 3,800 3,987 3,528 3,128 3,111 3,571 3,571 3,830	822 768 720 669 629 564 499 456 507 537	82 79 75 72 66 62 58 54 58 64	12 10 9 9 9 6 4 6 8	2,633 2,563 2,354 2,184 2,416 2,095 1,749 1,528 1,478 1,728	2,209 2,179 1,972 1,828 2,079 1,784 1,472 1,288 1,243 1,466	378 342 342 319 296 272 241 205 197 219	41 38 37 33 36 36 33 32 34 37	54 33 63 33 46	2,230 2,022 1,929 2,029 1,827 1,668 1,580 1,437 1,547 1,838	1,730 1,571 1,508 1,579 1,445 1,332 1,282 1,182 1,182 1,288 1,532	444 397 370 394 382 295 264 226 226 261	51 49 46 49 43 37 32 22 27 31 38	6 5 5 8 7 3 2 2 2 2 2

FINANCIAL MARKETS AND INSTITUTIONS

Series X 933-946. Underwriting Experience for Stock and Mutual Companies, by Type of Insurance: 1925 to 1970

			St	ock compan	ies					Mu	itual compa	nies		
	N	Vet premium (mil. dol.)	ns	Ra	tios		ting profit loss	N	let premium (mil. dol.)	18	Ra	tios	Underwri or	ting profit loss
Year	Written	Earned	Unearned	Losses incurred to premiums earned	Expenses incurred to premiums written	Total (mil. dol.)	Ratio to premiums earned	Written	Earned	Unearned	Losses incurred to premiums earned	Expenses incurred to premiums written	Total (mil. dol.)	Ratio to premiums earned
	933	934	935	936	937	938	939	940	941	942	943	944	945	946
			1			1	тот	FAL		ī	1	<u> </u>	1	
1970	22,430	21,448	11,386	69.7	29.6	-146	-0.7	8,713	8,383	3,304	73.3	28.4	202	$egin{array}{c} 2.4 \\ -1.6 \\ .2 \\ 2.1 \\ 4.2 \\ \end{array}$
1969	19,970	19,108	10,426	70.3	30.3	-384	-2.0	7,773	7,463	2,969	76.5	24.1	123	
1968	17,833	17,236	9,589	68.8	31.2	-187	-1.1	6,887	6,659	2,664	74.4	24.6	13	
1967	16,343	15,853	8,994	67.2	31.7	28	.2	6,278	6,121	2,447	72.7	24.5	129	
1966	15,197	14,655	8,522	66.1	31.9	110	.8	5,788	5,617	2,290	70.9	24.2	234	
1965 1964 1963 1962 1961	18,855 12,648 11,881 11,599 10,783	13,379 12,347 11,595 11,285 10.707	8,025 7,578 7,285 7,061 6,744	69.2 68.0 66.3 64.5 64.4	32.7 33.9 34.7 34.5 35.0	-419 -341 -210 9 36	-3.1 -2.8 -1.8 -1.3	5,196 4,767 4,447 4,038 3,945	5,036 4,651 4,240 4,047 3,883	2,126 1,970 1,855 1,649 1,657	73.1 73.4 71.4 66.7 63.6	25.0 25.9 26.5 25.7 25.6	56 3 35 307 404	1.1 .1 .8 7.6 10.4
1960	10,527	10,264	6,672	63.6	34.8	70	.7	3,723	3,650	1,594	64.2	25.6	352	9.6
1959	9,931	9,526	6,407	62.5	35.3	74	.8	3,475	3,357	1,518	64.7	25.3	306	9.1
1958	9,077	8,841	6,003	63.7	36.3	-87	-1.0	3,120	3,022	1,403	64.9	25.6	263	8.7
1957	8,640	8,325	5,771	66.2	36.7	-359	-4.3	2,890	2,791	1,306	65.5	25.8	215	7.7
1956	7,991	7,744	5,455	63.4	37.1	-134	-1.7	2,609	2,527	1,206	65.0	26.3	201	7.9
1955	7,662	7,842	5,232	58.2	36.7	259	3.5	2,385	2,331	1,112	61.3	26.0	285	12.2
1954	7,144	6,992	4,921	56.9	36.7	387	5.5	2,278	2,223	1,055	59.3	25.3	329	14.8
1953	7,000	6,658	4,756	57.2	35.9	336	5.0	2,186	2,080	1,005	60.3	24.4	292	14.1
1952	6,411	5,994	4,422	58.4	36.0	186	3.1	1,884	1,770	886	60.5	24.7	233	13.2
1951	5,759	5,877	4,007	60.2	36.9	13	.2	1,659	1,551	777	60.3	24.8	204	13.1
1950	2,933	2,821	1,239	60.0	35.7	84	3.0	1,327	1,289	346	65.6	22.2	150	11.6
1949	2,664	2,562	1,130	55.7	36.1	173	6.7	1,171	1,189	306	61.0	23.1	174	15.3
1948	2,442	2,284	1,019	56.6	35.6	121	5.3	1,059	1,017	273	58.7	23.7	169	16.6
1947	2,075	1,913	863	58.1	36.3	48	2.5	887	844	230	61.5	23.8	114	13.4
1946	1,614	1,482	701	61.2	37.7	-33	-2.2	688	648	192	64.6	24.3	62	9.6
1945	1,325	1,251	568	58.0	36.1	47	3.8	540	517	146	64.0	23.9	57	11.0
1944	1,223	1,183	497	53.8	37.0	94	8.0	485	474	123	61.4	23.9	67	14.2
1943	1,130	1,126	449	53.3	89.0	83	7.4	440	435	111	59.4	23.8	72	16.5
1942	1,110	1,084	446	51.1	40.1	81	7.4	427	416	105	57.0	23.2	79	19.0
1941	997	951	421	52.7	39.1	58	6.0	864	350	94	60.3	23.7	52	14.9
1940	870	849	374	51.9	40.6	54	6.8	294	287	78	59.9	23.9	45	15.6
1939	821	813	354	50.8	41.0	62	7.7	257	253	70	57.7	23.5	46	18.2
1938	812	800	349	51.6	40.5	55	6.9	231	226	64	58.8	22.0	42	18.7
1937	824	800	336	52.9	39.2	52	. 6.6	235	228	60	60.2	21.1	41	18.2
1936	746	726	313	55.1	38.1	84	4.7	200	192	53	61.4	21.2	30	15.7
1935	673	659	281	58.5	38.3	11	1.6	168	162	46	61.1	21.4	26	15.8
1934	645	636	269	61.2	38.7	-5	7	141	135	40	63.7	21.4	18	13.2
1933	591	598	260	62.7	40.3	-17	-2.8	110	108	84	61.4	23.7	15	14.1
1932	636	673	281	66.3	41.9	-31	-4.6	108	110	83	60.4	24.5	17	15.2
1931	769	777	332	65.7	41.2	-51	-6.6	122	123	86	62.1	23.4	17	14.0
1930	838	840	359	63.4	40.9	-39	-4.7	132	131	36	62.9	22.6	18	14.0
1929	866	841	366	60.0	39.7	-22	-2.5	135	130	36	65.1	21.6	15	11.9
1928	805	779	345	58.0	89.5	4	.5	121	116	88	61.8	20.1	18	15.9
1927	763	740	316	58.7	39.2	-8	-1.1	105	100	27	61.3	20.6	16	15.9
1926	710	682	296	59.5	39.4	-8	-1.2	88	84	24	58.3	20.7	14	16.2
1925	683	599	270	57.7	39.3	-11	-1.8	70	67	19	63.0	19.0	11	15.9
			·			HOMEOW	NERS MULTI	PLE-PERIL IN	SURANCE			<u>'</u>	<u>'</u>	
1970	1,960	1,860	1,593	69.2	33.6	-86	-4.6	604	564	406	66.9	34.7	-28	-4.1
1969	1,785	1,667	1,493	69.6	33.8	-96	-5.8	535	490	366	65.8	35.4	-22	-4.5
1968	1,606	1,499	1,374	69.0	34.9	-96	-6.4	471	441	323	67.3	85.5	-23	-5.3
1967	1,419	1,344	1,267	69.2	35.5	-90	-6.7	420	395	295	65.8	85.6	-14	-3.6
1966	1,324	1,205	1,192	64.2	35.7	-41	-3.4	878	354	270	60.5	35.4	6	1.6
1965	1,183	1,086	1,081	71.0	36.2	-114	-10.5	340	313	245	68.8	35.8	-24	$\begin{array}{c} -7.6 \\ -10.6 \\ -7.2 \\ 1.0 \\ 2.5 \end{array}$
1964	1,036	964	987	74.0	38.1	-144	-14.9	297	270	218	70.1	36.8	-29	
1963	967	853	917	69.3	38.7	-113	-13.2	263	230	191	64.2	37.7	-17	
1962	825	725	803	65.7	39.5	-77	-10.6	214	195	158	59.1	36.5	2	
1961	701	598	703	64.6	39.8	-69	-11.7	188	156	139	54.2	36.9	4	
1960 1959 1958 1957 1956 1955	617 421 281 195 149 59	443 297 208 131 67 18	592 418 292 211 147 48	58.5 51.4 56.3 57.8 56.8 58.5	39.8 39.9 41.1 41.9 42.3 38.4	-62 -23 -24 -29 -34 -15	-14.0 -7.9 -11.7 -20.2 -50.7 -83.1	147 102 64 46 80 9	113 75 50 31 14	114 80 53 38 23	54.0 43.9 45.4 47.1 43.3 41.4	36.8 35.4 36.0 37.4 37.2 32.9	-2 6 4 -1 -8 -1	-1.8 8.1 8.1 -2.7 -22.9 -45.4

INSURANCE X 933-946

Series X 933-946. Underwriting Experience for Stock and Mutual Companies, by Type of Insurance: 1925 to 1970—Con.

			St	ock compan	ies		10 1970			Mı	itual compai	nies		
	N	let premiun (mil. dol.)	ns	Ra	tios	Underwri or	ting profit	N	et premium (mil dol.)	us	Ra	tios	Underwri	ting profit
Year	Written	Earned	Unearned	Losses incurred to premiums earned	Expenses incurred to premiums written	Total (mil. dol.)	Ratio to premiums earned	Written	Earned	Unearned	Losses incurred to premiums earned	Expenses incurred to premiums written	Total (mil. dol.)	Ratio to premiums earned
	933	934	935	936	937	938	939	940	941	942	943	944	945	946
			1	1		COMMERC	CIAL MULTIPI	E-PERIL INS	URANCE	1		,	1	
1970 1969 1968 1967 1966	1,119 941 794 677 566	1,034 863 719 597 479	747 662 584 510 430	56.1 58.8 60.8 56.1 56.7	34.7 35.5 36.3 37.2 36.5	65 22 -6 10 1	6.3 2.5 8 1.6	212 173 139 101 83	194 155 121 91 72	121 103 86 67 57	49.5 53.0 57.4 57.0 51.4	35.1 34.9 35.0 35.3 35.1	23 13 3 4 6	12.1 8.3 2.1 3.9 7.8
1965 1964 1963 1962 1961	444 325 234 143 75	362 248 154 89 55	344 263 185 106 53	60.4 57.3 58.9 55.9 55.5	37.0 37.4 36.2 36.8 37.1	-21 -15 -21 -13 -3	-5.8 -6.2 -13.9 -15.2 -6.2	65 47 29 15 7	54 85 19 10 5	45 33 20 10 4	55.8 56.3 54.2 45.5 45.9	36.2 35.7 33.1 31.9 35.5	(Z) -2 -1 (Z) (Z)	-4.6 -5.4 4.8 7.5
1960 1959 1958 1957 1956	51 34 27 26 16	40 32 25 18 11	33 22 19 16 7	65.8 65.9 78.5 86.2 76.4	37.4 37.9 37.8 37.6 34.7	-5 -2 -5 -7 -3	$\begin{array}{r} -13.5 \\ -6.6 \\ -20.0 \\ -39.8 \\ -26.9 \end{array}$	5 4 2 2 2	4 3 2 2 1	2 2 1 1 1	57.2 64.9 54.9 67.2 54.3	36.3 32.3 41.0 40.0 35.1	99999	-4.6 4.9 -17.6 -4.0
						WORKM	EN'S COMPEN	SATION-INSU	RANCE	·	·		<u> </u>	
1970 1969 1968 1967 1966	2,489 2,233 2,006 1,791 1,614	2,411 2,174 1,954 1,729 1,568	704 626 571 519 456	71.6 71.0 70.2 71.5 73.0	20.7 21.2 21.5 22.2 22.5	170 158 151 95 60	7.0 7.3 7.7 5.5 3.9	1,003 967 855 810 734	996 954 879 796 722	205 197 185 178 164	70.8 69.5 68.5 72.6 69.7	15.8 16.4 16.6 16.6 16.7	132 132 130 84 96	13.2 13.8 14.7 10.6 13.3
1965 1964 1963 1962 1961	1,405 1,274 1,164 1,072 987	1,365 1,248 1,134 1,044 968	411 372 347 317 290	72.2 71.9 72.7 72.5 74.9	23.5 24.0 24.6 24.8 25.0	50 44 23 21 -4	3.6 3.6 2.0 2.0 4	638 595 561 532 497	625 588 552 528 488	153 140 133 124 121	70.1 71.8 73.4 69.8 71.2	17.4 17.7 17.9 17.2 17.1	76 60 46 68 56	12.2 10.3 8.4 12.9 11.5
1960 1959 1958 1957 1956	943 861 803 789 726	918 844 798 777 712	271 246 229 224 212	73.5 74.1 71.5 70.2 68.0	25.1 25.3 25.8 25.9 25.8	7 1 20 27 40	.7 .1 2.5 3.5 5.7	477 436 406 411 385	469 434 404 404 382	112 105 103 101 94	70.8 71.7 70.2 65.0 66.3	17.0 17.6 18.0 17.4 17.0	56 46 47 70 63	11.9 10.5 11.7 17.8 16.5
1955 1954 1953 1952 1951	670 646 642 568 506	656 632 618 555 497	198 183 170 146 134	66.9 64.4 69.2 72.5 76.8	25.9 25.7 24.9 25.8 26.5	44 59 31 6 -19	6.7 9.3 5.0 1.1 -3.8	365 371 389 350 312	361 366 378 342 306	91 87 83 71 63	64.9 62.9 67.6 70.0 70.2	17.2 16.4 15.3 15.6 16.2	64 75 63 48 41	17.8 20.5 16.7 14.0 13.4
1950 1949 1948 1947 1946 1945	439 457 469 415 325 308	437 449 452 402 322 304	124 122 114 97 84 81	70.9 61.6 60.9 62.2 65.4 66.7	27.8 27.7 27.5 27.8 29.2 26.7	5 46 48 37 17 19	1.1 10.2 10.7 9.1 5.1 6.3	258 262 263 228 173 169	257 258 255 244 174 165	56 55 52 44 40 40	69.8 63.6 58.9 60.4 66.4 64.7	16.7 16.9 16.5 16.3 16.4 16.3	34 50 61 51 30 31	13.4 19.3 24.1 23.0 17.2 18.6
		<u> </u>		!	1	AUTOMO	BILE LIABIL	ITY, BODILY	INJURY	<u> </u>	!	1	1	I
1970 1969 1968 1967 1966	4,098 3,597 3,291 3,087 2,872	3,895 3,486 3,204 2,996 2,773	1,643 1,451 1,344 1,255 1,168	77.8 76.2 75.9 74.9 75.4	26.6 27.3 28.0 28.1 28.3	-226 -154 -149 -115 -133	-5.8 -4.4 -4.7 -3.8 -4.8	2,116 1,897 1,693 1,535 1,408	2,049 1,841 1,642 1,496 1,366	648 581 526 476 437	76.0 76.8 78.5 79.7 80.2	21.5 22.3 22.5 22.6 22.4	38 3 -29 -44 -45	1.9 .2 -1.8 -2.9 -3.3
1965 1964 1963 1962 1961	2,624 2,365 2,194 2,079 1,940	2,519 2,298 2,144 2,018 1,914	1,073 973 906 860 799	75.8 75.4 72.5 71.4 72.3	29.0 30.1 30.5 30.9 31.0	-152 -145 -81 -65 -73	-6.0 -6.3 -3.8 -3.2 -3.8	1,247 1,149 1,056 941 910	1,209 1,120 1,006 948 901	397 363 333 285 291	79.5 81.3 79.3 72.8 71.7	23.3 24.3 25.1 24.5 24.8	43 69 57 28 29	-3.5 -6.2 -5.6 2.9 3.2
1960 1959 1958 1957 1956	1,873 1,769 1,602 1,461 1,289	1,847 1,701 1,542 1,390 1,243	774 748 679 621 550	72.1 74.6 78.5 81.6 76.0	30.7 30.9 31.9 33.0 33.1	-60 -115 -180 -226 -128	$ \begin{array}{r} -3.3 \\ -6.8 \\ -11.6 \\ -16.3 \\ -10.3 \end{array} $	852 795 695 610 525	839 761 667 583 506	281 269 234 206 180	72.4 78.3 80.2 79.6 77.2	24.6 24.0 24.3 24.8 25.4	22 26 37 32 18	2.6 -3.4 -5.5 -5.6 -3.5
1955 1954 1953 1952 1951	1,189 1,114 1,068 938 770	1,158 1,090 1,019 866 720	509 480 455 406 335	69.3 64.2 64.8 70.2 72.3	32.8 32.6 32.2 32.6 33.6	-35 27 15 -48 -59	$ \begin{array}{r} -3.0 \\ 2.5 \\ \hline 1.5 \\ -5.5 \\ -8.2 \end{array} $	467 442 413 339 275	459 433 392 315 257	159 151 142 121 97	74.4 69.0 70.0 71.5 67.5	25.5 24.9 24.4 25.2 25.4	-1 24 17 4 14	3 5.5 4.8 1.3 5.4
1950 1949 1948 1947 1946 1945	652 606 553 470 357 257	628 580 519 424 317 241	280 255 229 194 148 108	65.4 59.2 62.4 65.5 74.0 65.8	34.1 34.7 35.4 35.9 36.8	-5 30 3 -20 -46 -12	8 5.2 -6 -4.7 -14.4 -4.9	217 196 175 151 121 87	210 189 167 140 109 82	76 69 61 53 42 30	66.1 60.6 58.5 61.9 67.8 59.4	24.6 24.8 26.2 25.7 26.0 26.9	18 26 23 14 4 10	8.5 13.7 14.0 10.3 3.3 11.9

Z Less than \$500,000.

FINANCIAL MARKETS AND INSTITUTIONS

Series X 933-946. Underwriting Experience for Stock and Mutual Companies, by Type of Insurance: 1925 to 1970—Con.

			- St	ock compan	ios	1020	to 1970	Con.		Mı	itual compa	nios		
		let premiun		<u> </u>	tios	Underwri	ting profit		Vet premiun			tios	Underwri	ting profit
Year	Written	(mil dol.)	Unearned	Losses incurred to premiums earned	Expenses incurred to premiums written		Ratio to premiums earned	Written	(mil. dol.)	Unearned	Losses incurred to premiums earned	Expenses incurred to premiums written	Total (mil. dol.)	Ratio to premiums earned
	933	934	935	936	937	938	939	940	941	942	943	944	945	946
·	'	-,	<u>'</u>	<u>'</u>	<u>'</u>	AUTOMOB	ILE LIABILIT	Y, PROPERTY	/ DAMAGE	<u>'</u>			1	·
1970 1969 1968 1966 1965 1964 1963 1962 1961	1,792 1,540 1,396 1,294 1,177 1,040 911 853 881 790	1,689 1,484 1,356 1,241 1,122 985 886 846 810 791	726 626 570 580 479 425 373 349 342	80.0 81.8 76.7 73.3 74.0 77.1 78.2 73.0 69.9 66.0	27.0 28.1 28.7 29.0 29.0 29.6 30.9 31.5 32.0 32.2	-146 -163 -84 -43 -50 -82 -89 -41 -22	-8.6 -11.0 -6.2 -3.5 -4.4 -8.3 -10.0 -4.8 -2.7	957 832 727 650 589 514 461 424 388 383	919 798 702 630 568 496 447 406 394 383	300 263 230 205 185 166 148 134 116	84.7 90.2 83.5 78.5 78.8 80.2 81.8 72.1 68.6	21.8 22.5 22.9 23.3 22.9 23.8 24.9 25.4 24.9 25.6	6810951161424331913	-7.8 -13.6 -7.2 -2.5 -2.5 -4.9 -7.5 -4.7 3.4 5.9
1960 1959 1958 1957 1956 1956 1954 1953 1952 1951	784 762 701 647 615 602 578 557 465 386	780 740 676 634 608 593 566 521 433 363	323 320 298 274 262 257 250 237 201 168	65.6 65.6 67.5 70.5 58.2 54.6 69.2 75.4	31.6 32.1 33.4 34.6 34.9 34.2 34.3 35.3	21 10 -17 -37 -5 42 62 24 -27 -47	2.7 1.4 -2.5 -5.8 9 7.1 11.0 4.5 -6.1 -12.9	374 356 319 285 255 238 231 220 176 142	371 344 307 277 251 237 227 207 164 134	122 119 107 97 88 82 80 76 63 51	69.2 70.6 71.2 71.9 72.4 65.0 61.7 64.8 75.8 81.0	25.3 24.7 25.2 25.9 26.5 26.7 26.0 25.1 25.9 26.6	20 14 8 4 1 19 27 18 6 -12	5.8 3.9 2.7 1.4 .6 8.1 11.8 8.6 -3.7 -9.1
1950 1949 1948 1947 1946 1945	328 299 262 207 137 94	315 284 239 176 117 89	142 129 114 90 60 40	64.6 61.3 67.9 78.5 93.4 86.0	36.2 35.9 36.0 36.6 87.3 38.0	-7 2 -18 -38 -43 -28	$ \begin{array}{r} -2.2 \\ .8 \\ -7.4 \\ -21.4 \\ -36.9 \\ -26.4 \end{array} $	114 102 89 70 49 33	110 98 83 62 43 32	40 36 32 26 18 12	70.1 65.7 68.1 75.5 87.5 81.5	25.6 26.5 27.4 27.1 27.6 28.1	4 6 2 -4 -8 -4	3.3 6.6 2.4 6.1 18.8 11.8
				AUTO	MOBILE PHYS	SICAL DAMAG	E (FIRE, THE	FT, COLLISIO	ON, AND COM	PREHENSIVE)			
1970 1969 1968 1966 1965 1964 1963 1962 1961	3,275 2,883 2,620 2,426 2,314 2,031 1,782 1,650 1,543 1,397	3,143 2,768 2,537 2,373 2,191 1,905 1,712 1,595 1,595 1,481 1,440	1,647 1,518 1,406 1,321 1,269 1,148 1,029 960 905 843		(1)	-2 -126 -1 145 151 -17 -47 12 26 100	(1)	1,548 1,314 1,146 1,032 944 829 727 662 591 567	1,486 1,262 1,109 1,008 914 794 704 628 597 567	486 424 373 387 313 283 248 227 193 200		(1)	15 -117 -2 96 112 41 15 27 57	(1)
1960 1959 1958 1957 1956 1954 1953 1952 1951	1,440 1,424 1,283 1,302 1,210 1,343 1,202 1,291 1,205 998	1,438 1,377 1,316 1,271 1,245 1,251 1,234 1,192 1,076 982	782 886 839 873 841 880 790 812 724 595			93 87 54 -38 24 124 208 124 65		554 532 490 447 404 385 371 362 308 267	551 519 475 430 398 380 369 343 291 255	199 196 183 169 152 143 139 138 118			74 76 67 82 45 75 89 61 49	
1950 1949 1948 1947 1946 1945	196 162 132 101 73 36	174 151 114 85 59 80	101 81 66 48 82 18			24 29 15 3 -12 -7		173 144 127 105 77 46	163 137 119 96 66 41	61 52 45 86 27 16			41 38 28 13 6 8	
				1		T	FIRE INSUI	RANCE	,		,			
1970 1969 1968 1967 1966 1965 1964 1963 1962 1961	1,836 1,677 1,507 1,380 1,321 1,272 1,259 1,288 1,386 1,337	1,788 1,625 1,478 1,405 1,352 1,329 1,341 1,377 1,400 1,411	1,874 1,327 1,275 1,248 1,278 1,311 1,371 1,454 1,587	59.1 60.7 61.6 60.3 59.6 60.0 59.9 65.4 58.5	36.0 37.6 38.9 39.7 40.8 42.1 43.6 44.3 44.5	70 8 -19 10 9 -5 -11 -95 -24 23	8.9 .5 -1.3 .6 3 8 -6.9 -1.7	364 341 320 302 284 276 275 284 267 282	360 332 314 303 287 277 281 277 290 293	218 210 202 196 197 200 202 208 201 225	54.8 53.7 54.5 54.2 51.7 52.2 53.6 57.7 49.8 47.4	33.7 34.4 35.1 34.5 34.5 35.2 35.4 36.2 34.9	42 36 30 35 41 36 38 15 57	11.7 10.9 9.7 11.7 14.2 12.8 11.8 5.3 19.5
1960 1959 1958 1957 1956 1954 1952 1951 1951	1,387 1,434 1,363 1,336 1,332 1,317 1,308 1,306 1,289 1,301	1,422 1,390 1,348 1,327 1,313 1,314 1,308 1,285 1,236 1,164	1,661 1,694 1,654 1,632 1,633 1,618 1,621 1,618 1,541	55.2 54.8 55.3 55.2 55.2 49.3 47.1 48.5 46.7 47.0	44.7 44.6 45.4 45.8 45.5 45.0 44.4 43.9 43.2	17 -4 -17 -19 -17 74 111 88 101 69	1.2 3 -1.3 -1.4 -1.3 5.6 8.5 6.8 8.2 5.9	280 276 263 258 250 244 238 228 218 203	288 280 265 257 248 239 231 219 200 178	236 244 247 247 246 243 238 230 218 200	46.8 49.2 46.6 45.8 45.0 42.1 41.2 38.2 37.9 87.6	85.2 35.3 35.4 35.4 35.4 35.4 33.5 33.5	55 45 47 48 47 52 54 58 51 43	19.0 16.0 17.8 18.6 18.9 21.9 23.8 26.6 25.6 24.0

¹ 1945–1970, sufficient data not available to compute ratios.

1064

INSURANCE X 947–956

Series X 947-956. Stock Company Resources and Operating Results: 1910 to 1970
[In millions of dollars, except percent]

			Resources	- Constant			0	perating result		
						Investmen			Underwrit or lo	
Year	Assets	Liabilities	Capital	Surplus	Policy- holders' surplus ¹	Total	Percent of mean assets	Investment profit or loss ²	Total	Percent of premiums earned
	947	948	949	950	951	952	953	954	955	956
1970	42,568 37,992 37,691 34,183 31,035	28,553 24,293 22,804 20,603 19,028	1,878 1,578 1,500 1,367 1,320	9,326 8,690 10,136 9,324 8,388	14,014 12,699 14,887 13,580 12,007	1,439 1,238 1,101 987 896	3.57 3.27 3.06 3.03 2.87	1,250 -492 2,279 2,302 -552	- 154 - 396 - 201 10 103	$\begin{array}{c} -0.72 \\ -2.07 \\ -1.17 \\ .07 \\ .70 \end{array}$
1965 1964 1963 1962 1961	31,297 30,077 27,989 25,780 25,585	17,639 16,386 15,347 14,633 13,865	1,316 1,350 1,290 1,251 1,175	9,391 9,576 8,868 7,843 8,126	13,660 13,691 12,642 11,146 11,719	852 782 721 673 621	2.78 2.69 2.69 2.62 2.57	1,466 1,821 2,017 -230 2,516	425 348 219 3	-3.19 -2.81 -1.89 .02 .28
1960	22,777	13,282	1,112	6,745	9,495	592	2.66	655	66	.64
1959	21,801	12,419	1,030	6,502	9,381	534	2.55	1,021	71	.74
1958	20,115	11,496	951	5,995	8,619	489	2.57	2,074	-93	-1.05
1958	17,889	10,816	957	5,009	7,073	461	2.58	-166	-361	-4.33
1957	17,811	10,011	934	5,536	7,800	430	2.45	580	-136	-1.75
1955	17,275	9,581	911	5,532	7,694	394	2.38	1,147	255	3.49
	15,789	9,091	832	4,858	6,697	363	2.46	1,583	385	5.50
	13,772	8,580	797	3,793	5,192	326	2.37	267	333	5.00
	12,779	7,815	759	3,598	4,964	294	2.30	549	185	8.08
	11,535	6,992	739	3,264	4,543	273	2.47	545	13	.24
1950	10,603	6,386	736	3,034	4,217	253	2.52	600	191	4.00
1949	9,520	5,812	671	2,656	3,708	215	2.42	528	421	9.51
1948	8,288	5,222	620	2,187	3,066	188	2.39	152	200	4.99
1947	7,465	4,560	615	2,050	2,905	172	2.44	109	-49	-1.44
1946	6,630	3,751	594	1,960	2,879	154	2.38	12	-152	-5.78
1945	6,309	3,158	579	2,199	3,151	147	2.47	517	33	1.47
1944	5,617	2,888	530	1,946	2,729	141	2.62	331	72	3.37
1943	5,141	2,646	513	1,781	2,494	133	2.72	332	153	7.42
1942	4,661	2,440	493	1,575	2,222	123	2.71	84	74	3.43
1941	4,432	2,268	491	1,520	2,164	128	2.95	39	55	2.96
1940	4,229	2,020	484	1,573	2,209	122	2.93	58	70	4.28
	4,063	1,884	473	1,561	2,179	116	2.88	138	89	5.78
	3,976	2,004	461	1,511	1,972	115	2.97	233	97	6.40
	3,800	1,972	448	1,389	1,828	126	3.24	-286	85	5.64
	3,987	1,908	444	1,635	2,079	120	3.21	359	69	4.98
1935	3,528	1,744	429	1,355	1,784	108	3.23	332	83	6.35
1934	3,128	1,655	419	1,053	1,472	112	3.58	25	59	4.62
1933	3,111	1,824	418	869	1,288	106	3.17	107	64	5.10
1932	3,571	2,328	449	794	1,243	125	3.38	-9	-3	24
1931	3,830	2,364	604	862	1,466	154	3.92	60	-11	69
1930	4,021	2,197	650	1,174	1,824	164	3.92	148	-23	-1.30
	4,322	2,285	639	1,398	2,037	152	3.65	84	31	1.74
	4,009	2,186	552	1,270	1,822	140	3.76	242	62	3.65
	3,463	2,039	443	981	1,424	124	3.80	285	26	1.59
	3,058	1,897	397	764	1,161	112	3.83	158	-49	-3.17
1925.	2,809	1,742	372	695	1,067	116	4.31	163	-57	-4.01
1924.	2,557	1,584	341	631	973	113	4.59	190	-48	-3.57
1923.	2,348	1,479	323	546	869	115	5.02	71	-12	94
1922.	2,225	1,365	296	563	859	113	5.25	151	7	.58
1921.	2,080	1,335	246	498	745	109	5.32	114	-23	-1.90
1920	2,004 1,789 1,447 1,271 1,142	1,336 1,106 917 776 652	236 205 184 173 169	432 428 346 323 321	668 633 529 496 491	105 86 63 61 64	5.61 5.38 4.64 5.05 5.89	53 42 37 15 49	-29 51 20 5 3	-2.47 5.18 2.34 .77 .56
1915	1,039 984 935 917 860 799	582 561 515 495 460 432	158 152 150 138 128 122	300 271 269 284 271 246	457 423 419 422 399 367	56 54 45 49 41 38	5.58 5.61 4.84 5.48 4.90 4.78	41 11 9 28 31 20	15 -17 5 9 6 23	$\begin{array}{c} 2.71 \\ -3.26 \\ 1.01 \\ 2.02 \\ 1.49 \\ 5.70 \end{array}$

Includes voluntary reserves.
 Includes investment income.

³ Beginning 1942, before Federal income taxes.

FINANCIAL MARKETS AND INSTITUTIONS

Series X 957-962. Subscription or Premium Income and Benefit Expenditures of Private Health Insurance Organizations: 1948 to 1970

[In millions of dollars, except percent]

			Ben	efit expendi	tures	411				Ben	efit expendi	tures	
	Subscrip- tion or premium	To	otal			Other		Subscrip- tion or premium	To	tal			Other
Year	income	Amount	Percent of premium income	Hospital care	Physicians' services	types of care	Year	income	Amount	Percent of premium income	Hospital care	Physicians' services	types of care
	957	958	959	960	961	962		957	958	959	960	961	962
:			TO	TAL	,					INSURANCE	COMPANIES	3	
1970 1969 1968 1967 1966	17,185 14,658 12,861 11,105 10,564	15,744 18,069 11,310 9,545 9,142	91.6 89.2 87.9 85.9 86.5	10,007.8 8,356.2 7,328.7 6,133.4 5,993.1	4,908.2 4,028.9 3,476.2 2,964.3 2,831.1	118.1 528.6 424.6 447.1 317.6	1970 1969 1968 1967	8,746 7,569 6,938 5,858 5,595	7,656 6,306 5,791 4,837 4,585	87.5 83.3 83.5 82.6 81.9	4,645.1 3,845.0 3,573.5 3,086.0 2,911.0	2,488.8 2,072.0 1,890.8 1,545.0 1,462.0	46.7 806.0 267.7 256.0 212.0
1965 1964 1963 1962 1961	10,001 8,984 8,054 7,411 6,673	8,729 7,832 6,980 6,344 5,965	87.3 87.2 86.7 85.6 89.4	5,789.8 5,187.4 4,641.5 4,196.9 3,766.3	2,679.8 2,427.2 2,153.0 1,991.7 1,796.1	259.3 217.5 184.8 155.2 183.0	1965 1964 1963 1962 1961	5,224 4,652 4,136 3,810 3,427	4,265 3,763 8,382 3,012 2,706	81.6 80.9 80.6 79.0 79.0	2,729.0 2,404.0 2,127.0 1,928.0 1,785.0	1,359.0 1,210.0 1,078.0 979.0 885.0	177.0 149.0 127.0 105.0 86.0
1960 1959 1958 1957 1956	5,841 5,139 4,498 4,144 3,624	4,996 4,399 3,877 3,474 8,015	85.3 85.6 86.2 83.8 83.2	3,304.5 2,944.5 2,591.4 2,304.5 2,021.8	1,592.6 1,454.8 1,285.9 1,169.5 992.9	99.2 (1) (1) (1) (1)	1960 1959 1958 1957 1956	8,027 2,639 2,314 2,175 1,839	2,389 2,080 1,809 1,655 1,411	78.9 78.8 78.2 76.1 76.7	1,541.0 1,871.0 1,186.0 1,080.0 927.0	784.0 709.0 623.0 575.0 483.6	64.0 (1) (1) (1) (1)
1955 1954 1953 1952 1951	8,150 2,756 2,405 1,998 1,660	2,536 2,179 1,919 1,604 1,353	80.5 79.1 79.8 80.5 81.5	1,678.4 1,442.4 1,287.0 1,073.8 896.8	857.3 736.5 632.2 530.1 455.8	(1) (1) (1) (1) (1)	1955 1954 1953 1952 1951	1,627 1,390 1,181 958 798	1,179 983 855 699 588	72.5 70.8 72.4 73.0 78.7	738.8 609.0 544.7 437.8 367.3	310.0 260.9	(1) (1) (1) (1) (1)
1950 1949 1948	1,292 1,015 862	992 767 606	76.8 75.6 70.3	680.0 538.9 455.0	311.9 227.9 151.0	(1) (1) (1)	1950 1949 1948	605 461 461	400 295 228	66.1 63.8 54.2	254.0 192.0	146.0 103.0	(1) (1)
			BLUE CROSS-	BLUE SHIEL	D					INDEPEND	ENT PLANS		
1970 1969 1968 1967 1966	7,371 6,156 5,187 4,555 4,328	7,060 5,903 4,840 4,083 3,975	95.8 95.9 93,3 89.6 91.9	4,933.7 4,155.4 3,462.8 2,853.9 2,844.0	1,969.8 1,565.4 1,242,3 1,102.8 1,076.4	57.7 179.9 129.4 126.1 55.0	1970 1969 1968 1967 1966	1,068 933 740 692 641	1,027 859 678 625 581	96.2 92.1 91.6 90.3 90.7	429.0 355.8 292.4 243.5 238.1	449.6 391.5 343.1 316.5 292.7	13.7 42.7 1.4 65.0 50.6
1965	4,169 3,785 3,399 3,119 2,805	3,913 3,574 3,180 2,894 2,585	93.9 94.4 93.6 92.8 92.2	2,824.3 2,570.3 2,302.5 2,080.9 1,857.3	1,048.6 973.1 856.0 797.7 715.1	40.0 31.0 21.0 15.0 13.0	1965 1964 1963 1962 1961	608 547 518 482 441	551 495 468 438 404	90.6 92.4 90.3 90.9 91.6	236.5 213.1 212.0 188.0 174.0	272.2 244.1 219.0 215.0 196.0	42.3 .7 36.8 35.2 7.0
1960	2,482 2,157 1,867 1,668 1,498	2,287 1,995 1,768 1,543 1,353	92.1 92.5 94.7 92.5 90.6	1,634.5 1,423.7 1,263.9 1,099.9 965.8	642.6 571.1 504.1 447.1 387.9	10.0 (1) (1) (1) (1)	1960 1959 1958 1957 1956	332 848 317 301 292	320 324 300 272 250	96.4 94.5 94.6 90.4 85.6	129.0 149.8 141.5 124.6 129.0	166.0 174.2 158.8 147.4 121.4	25.2 (1) (1) (1) (1)
1955 1954 1958 1952 1951		1,147 985 851 736 605	88.8 86.9 86.0 86.5 88.3	831.6 718.0 623.7 549.6 451.7	315.1 266.6 227.8 186.9 153.3	(1) (1) (1) (1) (1)	1955 1954 1953 1952 1951	230 233 635 184 177	210 211 213 169 160	91.3 90.6 90.6 91.8 90.4	108.0 115.4 118.6 86.4 77.8	102.0 95.9 94.4 82.3 82.3	(1) (1) (1) (1) (1)
1950 1949 1948	574 455 365	491 383 308	85.5 84.2 84.4	382.9 307.4	107.7 75.4	(1) (1)	1950 1949 1948	113 99 76	101 89 70	89.4 89.9 92.1	43.1 39.5	58.2 49.5	(1) (1)

¹ Included in "Hospital care" and "Physicians' services."

Government

Elections and Politics (Series Y 1-271)

Y 1-26. Methods of electing presidential electors, 1788-1836.

Source: Charles O. Paullin, Atlas of the Historical Geography of the United States, Carnegie Institution of Washington and American Geographical Society of New York, 1932, p. 89 (courtesy of the Carnegie Institution).

The presidential electors of each State, now chosen by popular vote in all States, are selected, according to the Constitution, "in such manner as the legislature thereof may direct." The development of political party direction of the electoral college was not anticipated in the Constitution and, during the early years of the Republic, electors were chosen in the several States by a number of different devices. The principal methods were election by the State legislature itself, by State electors popularly chosen to elect presidential electors, and by direct popular vote for the electors. With few exceptions, presidential electors have been elected by popular vote since 1828. The Legislature of South Carolina, however, continued to elect presidential electors until 1860. Since the Civil War, legislatures have chosen electors only twice-in Florida in 1868 and in Colorado in 1876.

Y 27-78. Voter participation in presidential elections, by State, 1824-1968

Source: Walter Dean Burnham, Dept. of Political Science, Massachusetts Institute of Technology, unpublished data. The explanatory notes which follow were prepared by Professor Burnham.

The United States, unlike some other countries, has never developed an automatic, governmentally-operated system for enrolling potential voters. The uniform practice since the earliest times has been that each of the States is the sole judge of the electoral procedures which it prescribes within its jurisdiction, subject only to constitutional amendments, congressional legislation enacted pursuant to such amendments or other portions of the Constitution, and Federal judicial decisions. All of these may limit or abolish the States' discretion in specified areas of legal procedure pertaining to elections; otherwise, the general rule stated here has continuously applied to the conduct of elections in the United States.1

¹Only the most salient of such interventions are mentioned here, specifically as they apply to the composition of the potentially eligible electorate. They are:

The Reconstruction Act of March 2, 1867, which (with the Supplemental Act of March 23, 1867) required that the ten ex-Confederate States still without Federal representation eliminate all racial barriers to the suffrage as a precondition for readmission.

The Twenty-third Amendment to the Constitution (1961), extending presidential suffrage to the District of Columbia.

The Twenty-fourth Amendment to the Constitution (1964), prohibiting the levying of a poll tax or any other tax as a prerequisite to voting in Federal elections. (See also the Supreme Court's extension of this prohibition to State and local elections as well, Harper r. Virginiu State Board of Elections, 383 U.S. 663 (1966).)

The Civil Rights Act of 1965 suspending all literacy tests in Alabama, Alaska, Georgia, Louisiana, Mississippi, South Carolina, Virginia, 40 counties in North Carolina, and one county in Arizona, and establishing Federal registrars in the affected areas. The Civil Rights Act of 1970, which continued suspension for another five years; extended it to all literacy tests; lowered the minimum voting age from 21 to 18 in all Federal and State elections; and lowered the minimum residence requirement for voting in presidential elections to a uniform 30 days.

The Twenty-sixth Amendment to the Constitution (1971) which formally reaffirmed the lowering of the voting age minimum from 21 to 18 years.

As a result of this heterogeneity, it is not possible to achieve precise statements of the eligible electorate. The data in series Y 27-78 are estimates, and should be read throughout with that point in mind.

Every estimate of voting participation is, in effect, a ratio between a numerator and a denominator. Errors in estimates may occur because of errors in the numerator, the denominator, or both. Problems with the numerator include the following: (1) The reported vote cast may have been heavily inflated by fraudulent ballot-box stuffing, as for example in Plaquemines Parish, Louisiana, in 1844, or in Kansas City, Missouri, between 1934 and 1938; (2) the stated vote may be only a fraction of the real vote cast, either because of fradulent suppression of returns, other forms of pressure on the electorate, or failure of subdivisions to report within the legal time limit (the latter very frequently occurring in Texas); (3) more or less major compiling or reporting errors, without fraudulent intent. may exist, and clearly did in a number of cases in the nineteenth century; and (4) available returns may be significantly fragmentary because the original records were lost.

Problems with the denominator, i.e. the population base, relate primarily to its derivation. Information which has been compiled into the denominator falls into the following classifications: (1) Age cohorts; (2) sex by age for and following every point at which women were enfranchised by State law or by the Nineteenth Amendment; (3) race, which substantially means adding the Negro adult male population to the denominator base in 1868 (ten Southern States) or 1870; (4) citizenship status, reported separately as "male citizens" in 1870, and in more detail beginning with the 1900 census.

The following possible elements of a denominator have not been compiled, though they have entered into State legislation regulating eligibility to vote: (1) Literacy of the adult male adult population; (2) taxpaying components of the adult male/adult population; (3) other components (for example, the total number registered) which define those legally entitled to vote at any given time. There are two reasons for such exclusions: Many of such devices were deliberately employed, particularly between 1890 and shortly after 1960, to violate the letter and the spirit of the Fifteenth Amendment; and they are extremely heterogeneous -for example, some States have registration reporting covering all jurisdictions, some do not, and the times for which such information is available are extremely diverse.

The four major components of the denominator, the estimated eligible population, alone can be developed more or less accurately for all States and time periods but even these have very significant problems. In general, the denominator estimates are much more precise from 1900 on than they are for years prior to that date. reason for this lies in the changing nature of census reporting of critical components which enter the calculation.

Age cohorts. From 1870, the adult male adult population is specifically enumerated so that the whole number of those 21 years old and over can be stated. This was not the practice earlier. Procedures followed here were to sum all white male age cohorts entirely above 21, and to add to that sum a fraction of any age cohort which bracketed that age, i.e., which included both males above and below 21 years. The fraction was derived by a simple division of the relevant bracketed age grouping, and addition of the quotient to the sum already derived. For example: The 1820 census yields free white male age classifications of 16-25, 26-44, and 45 and over. For Maine in that year, the total number of free white males 26 and over was

representation eliminate all racial parriers to the sunrage as a precondition to readmission.

The Fifteenth Amendment to the Constitution (1870), which forbade either the States or the Federal Government to deny the right of citizens to vote "on account of race, color, or previous condition of servitude," and subsequent implementing legislation of 1870, 1871, and 1875. (See also Guinn r. United States, 238 U.S. 347 (1915), in which the Supreme Court struck down the "grandfather clause" as a patent attempt to evade the command of this Amendment.)

The Nineteenth Amendment to the Constitution (1920), which enfranchised women on the same constitutional terms as men.

The Supreme Court's invalidation of the white primary, and of the doctrine that political parties, being private associations, could exclude Negroes or any others they chose to exclude from their nominating processes. (Smith r. Alluright, 321 U.S. 649, (1944.))

The Twenty-third Amendment to the Constitution (1961), extending presidential suffrage to the District of Columbia.

Y 27-78 GOVERNMENT

46,920. The total number falling in the 16-25 age classification was There being ten years in that classification, symmetrically divided five (16-20) and five (21-25), figure of 28,530 was divided by two, yielding 14,265; this was, in turn, added to the sum of free white males 26 and over (46,920) to produce a total estimated electorate of 61,185. (The figure of 61,185 is too precise but serves to provide the basis from which such estimates could best be derived: the procedure for dividing bracketed age classifications in the census arbitrarily presupposes a linear or uniform age distribution among all the years in the grouping. State-by-State actuarial estimates for this period could easily permit a different procedure. The effect of the procedure used is, unquestionably, to inflate the denominator from its "true" value and thus to generate a lower turnout figure than was actually achieved in these years.)

The following table indicates the bracketed age cohorts and the criteria for division and compilation:

Age Cohorts in the United States Census, 1790-1860 a

Census	Bracketed age	Distributio	on of years	Divisor
	classification	Below 21	21 and over	
1790 b	16 and over	16-20 16-20 16-20 20 20 20 20	21-25 21-25 21-25 21-29 21-29 21-29 21-29	(b) 2 2 2 2 10 10 10 10 10

^a Throughout, the basis is that of free white males. This excludes a small fraction of free Negroes who were at least nominally entitled to vote in several States. No estimate of citizenship exists except for 1860.

^b The procedure for estimation in 1790 is a simple transfer from 1800 data: The proportion in each State of the total free white male population of age 16 and over which is estimated to be of age 21 and over.

Sex components. Women were universally enfranchised in 1920, but a number of States gave women suffrage earlier. In order of enfranchisement, the States which extended suffrage to women before 1920 were: Wyoming, as territory, 1869; Colorado, 1893; Utah, 1896; Idaho, 1897; Washington, 1911; California, 1911; Oregon, 1913; Arizona, 1913; Kansas, 1913; Montana, 1914; Nevada, 1914; Illinois, 1916, presidential only; Michigan, 1918; and New York, 1918. In all cases, appropriate sex-related adjustments were made in the denominator effective with the first election to which they applied.

Racial components. Negroes were enfranchised in ten Southern States effective with the 1868 election and nationally by the Fifteenth Amendment (1870). Prior to 1868, the proportion of free Negroes allowed to vote at all was extremely small; and the States in which they were allowed to vote had very small Negro populations. No effort, therefore, has been made to include a component for other than white races in the denominator prior to 1868/70. In Vermont, Maine, Massachusetts, and New York this means a tiny deflation of the denominator from its probable true value, and an equally small overestimation of the participation rates prior to 1870.

Citizenship components. This element represents the most difficult of the four major denominator components to estimate for the period prior to 1890-1900, for the following reasons: First, the 1928 election was the first presidential election in which American citizenship was a universal prerequisite for voting. In particular, the period from about 1840 through about 1910 was one in which a considerable number of States permitted aliens (those who had filed first papers, as a rule) to vote in elections. Every effort has been made here to identify by State and at what times these were legally qualified to vote. The denominator is thus grounded in part upon a legal definition which is heterogeneous across space and, for the States in which aliens were once allowed to vote, across time as well.

Second, the population census during most of the nineteenth century is not helpful in decomposing the foreign-born population, when reported, by citizenship status. Prior to 1870, no basis for estimation exists at all from the census materials. In 1870, males of 21 and

over are reported in two columns, one of which specifies male citizens. Combining this with analysis of the size of the foreign-born component of the voting-age male population, certain probable inferences can be made about the proportion of foreign-born males of legal age who had been naturalized, and about these compared with later censuses for which specific proportions are reported. No help is given on this question in the 1880 census. The 1890 census (Population, part II, p. lxvi) gives a percentage breakdown by State of the foreign-born population by status: Naturalized, first papers, aliens, unknowns. From 1900 onward, census figures are provided for these categories in absolute numbers.

A period of particular difficulty in estimation lies between 1860 and 1890. Prior to 1860 no effort is made to decompose the denominator (population base) estimate by citizenship. For 1860 and the years interpolated to 1870, the same proportion of citizens over 21 to all males over 21 which the 1870 census employs is used to derive the estimated potential electorate of 1860. Where proportions exist for 1890 and 1870 and the State requires citizenship status of its voters through this period, the mean of the two proportions is used for estimating the 1880 proportion and thus the denominator. Where States permitted alien voting, an effort was made to estimate the proportion of naturalized and first-paper foreign-born to all foreign-born for 1870, based upon the mean of 1890 and 1900 proportions. No such refinements were made for 1860.

There is some reason to believe that these proportions were relatively stable, particularly in States where the frontier stage of settlement had passed. With the raw figures of the 1870 census and the percentage decomposition of foreign-born males of voting age in 1890, the general outlines of this stability can be seen in the example of Ohio. In 1870, citizen males constituted 92.4 percent of the total male population of voting age; in 1890, 93.7 percent; in 1900, 94.4 percent.2 From this an interpolated estimate of 93.1 percent was derived for 1880, and the 1870 figure, 92.4 percent, was used to calculate the estimated eligible electorate of the 1860 voting-age male population.

Distribution of Ohio Male Population of Voting Age, 1890-1910

		Citizens			Total males
Year	Native white	Naturalized	Negro	Aliens	21 and over
1890 1900 1910	76.0 78.8 76.5	15.1 13.0 9.6	2.6 2.6 2.7	6.3 5.6 11.2	1,016,464 1,212,283 1,484,265

States which permitted alien suffrage and subsequently abolished it are presented below, with the effective year of abolition so far as is known.

Alien-Suffrage States

State	Effective year of abolition	State	Effective year of abolition
Arkansas Colorado Illinois Indiana Iowa Michigan Minnesota	1925 1902 1870 1921 1857 1894 1896	Nebraska North Dakota Ohio Oregon South Dakota Wisconsin	1910 1898-1902 1851 1914 1918 1908

The problems of estimation are clearly more acute in the citizenship area than in any other. The figures presented here are to be considered provisional and subject to revision; no claim is made that the denominators and the participation estimates derived from them are the best

² In 1910, as the consequence of the influx of the "new immigration" after 1900, this figure falls to 88.8 percent, corresponding to a percentage decline of naturalized to all foreign-born from 70.8 percent in 1890, to 69.6 percent in 1900, and to only 46.2 percent in 1910.

possible estimates. Limited explorations suggest that the probable margin of error in turnout estimates—at least for States requiring citizenship qualifications—is well under 1 percent for the 1870–1900 period.

One final remark about method involves the ratio between numerator and denominator. In the absence of any better estimation, the biennial figures are compiled throughout on the basis of linear interpolation between one decennial census year and the next. Obviously. patterns of population growth and decline are never perfectly linear and may deviate widely from that assumption. This is particularly visible as a problem in the "mining-camp" States of the West, especially in Nevada before World War I. A metal lode was discovered at a point in time following a census. Voting-age males poured into the State until the lode was exhausted; and then they left. All of this produced extreme deviations of empirical population realities from any linear model, with resultant wild fluctuations in turnout. Fortunately, the linear model does not appear sharply inconsistent with reality in well-settled States. In any event, no known alternative to it appears to exist throughout most of American political and demographic history except in those few States which published adequate censuses falling between Federal census years.

Y 79-186. General note.

The election of the President of the United States is provided for in the Constitution, article II, section 1, through the establishment of an electoral college in each State, for each presidential election. The method of casting the electoral vote was modified in 1804 by the adoption of the 12th amendment to the Constitution. The number of electors, and therefore of electoral votes, is "equal to the whole number of Senators and Representatives to which the State may be entitled in Congress." Because of the varied practices in choosing electors in earlier years, the record of popular votes is inadequate to explain the elections until after 1824.

In four elections the entire electoral vote of certain States remained uncast: (a) 1789—no electoral vote was cast in New York because the legislature failed to agree on electors; (b) 1864—no vote in Confederate States (Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North and South Carolina, Tennessee, Texas, and Virginia); (c) 1868—no vote in Mississippi, Texas, and Virginia because these States had not yet been "readmitted" to the Union; (d) 1872—the vote of Arkansas was rejected, the count of the popular vote in Louisiana was disputed, and the votes of both sets of electors were rejected by Congress.

In addition to the sources cited below, the following references were used in compiling the data for series Y 79-186: U.S. Congress, Clerk of the House of Representatives, Platforms of the Two Great Political Parties, 1932 to 1944, pp. 437-447, and Statistics of the Presidential and Congressional Elections, various issues; Julius F. Prufer and Stanley J. Folmesbee, American Political Parties and Presidential Elections, McKinley Publishing Company, Philadelphia, 1928; Charles O. Paullin, cited above for series Y 1-26, pp. 88-104; Bureau of the Census, Vote Cast in Presidential and Congressional Elections, 1928-1944.

Y 79-83. Electoral and popular vote cast for President, by political party, 1789-1968.

Source: 1789-1832, Edward Stanwood, A History of the Presidency, two volumes, Houghton Mifflin Company, Boston, 1928, various pages (copyright); 1836-1892, W. Dean Burnham, Presidential Ballots, 1836-1892, Johns Hopkins Press, Baltimore, 1955, pp. 246-257 and 887-889 (copyright); 1896-1932, Edgar Eugene Robinson, The Presidential Vole, Stanford University Press, Stanford, 1934, pp. 46

and 402 (copyright); 1936-1944, Edgar Eugene Robinson, They Voted for Roosevelt, Stanford University Press, Stanford, 1947, p. 183 (copyright); 1948-1960, Governmental Affairs Institute, Washington, D.C., American at the Polls, 1965, pp. 15-22 (copyright); 1964-1968, Governmental Affairs Institute, America Votes 7, 1968, pp. 1 and 2, and America Votes 8, 1970, pp. 1 and 2 (copyright).

Y 84-134. Electoral vote cast for President, by State and political party, 1804-1968.

Source: For complete citation of the following, see sources cited for series Y 79-83: 1804-1832, Stanwood, various pages; 1836-1892, Burnham, pp. 887-889; 1896-1932, Robinson, The Presidential Vote, p. 402 (copyright); 1936-1944, Robinson, They Voted for Roosevelt, pp. 56-57 (copyright); 1948-1960, Governmental Affairs Institute, Washington, D.C., America at the Polls, 1965, pp. 15-22 (copyright); 1964-1968, Governmental Affairs Institute, America Votes 7, 1968, pp. 1 and 2, and America Votes 8, 1970, pp. 1 and 2 (copyright).

Y 135-186. Popular vote cast for President, by State and political party, 1836-1968.

Source: For complete citation of the following, see sources cited for series Y 79-83: 1836-1892, Burnham, pp. 246-257; 1896-1932, Robinson, The Presidential Vote, pp. 46-53 (copyright); 1936-1944, Robinson, They Voted for Roosevelt, pp. 59-182 (copyright); 1948-1960, Governmental Affairs Institute, Washington, D.C., America at the Polls, 1965, pp. 15-22 (copyright); 1964-1968, Governmental Affairs Institute, America Votes 7, 1968, pp. 1 and 2, and America Votes 8, 1970, pp. 1 and 2 (copyright).

Variations in figures reported for some States account for small differences between the sum of State data and the total shown for the United States.

Y 187-188. Costs of presidential general elections, 1860-1968.

Source: 1860-1900, Congressional Record, vol. 45, 61st Congress, 2d Session, 1910, p. 4931, except for series 187, 1892-1924, from Louise Overacker, Money in Elections, Macmillan Company, New York, 1932, p. 73; 1928-1944, Louise Overacker, Presidential Campaign Funds, Boston University Press, 1946, p. 32; 1948, William Goodman, The Two Party System in the United States, D. Van Nostrand Company, Inc., New York, 1956, p. 517 (copyright); 1952-1968, Citizens' Research Foundation, Princeton. Data presented in History of American Presidential Elections, 1789-1968, vol. IV, Arthur M. Schlesinger, Jr., Editor, McGraw-Hill Book Co., New York, 1971 (copyright).

Figures represent spending by all national level committees, but not by the candidates themselves. Figures for Republicans, 1912, and Republicans and Democrats, 1916–1944, include amounts transferred to the States as well. National-level committees proliferated after 1940, when the Hatch Act limitation of \$3 million on the expenditures of a single committee and the \$5,000 limitation on individual contributions went into effect.

For campaigns from 1860 to 1912, figures are estimates at best. For 1912 and later campaigns, figures are relatively reliable. Although the value of the dollar shrank and the voting population expanded more than fourfold from 1912 to 1952, the cost per vote was 19 cents in both of those campaigns. Between 1912 and 1952, however, the cost per vote fluctuated widely. By 1968, the cost per vote had increased to 60 cents.

Y 189-198. Congressional bills, acts, and resolutions, 1789-1970.

Source: U.S. Congress, Calendars of the U.S. House of Representatives and History of Legislation; Library of Congress, Legislative Reference Service, unpublished tabulations; U.S. Congress, Congressional Record, various issues.

³ These include such States as Iowa, Michigan, Massachusetts, and above all, New York between 1845 and 1875. There is a mass of potentially useful and still unrecovered or unsused State material which should be employed for the nineteenth century. Such material includes lists of taxables triennially compiled from 1814 through 1828 in Pennsylvania (available in *Hazard's Register* (1825(1835)), and the Missouri State census of 1844, available only as an appendix to the Missouri Senate Journal (1845).

Y 199–271 GOVERNMENT

Some measure of the activities of the U.S. Congress can be gained from the number of bills and resolutions which have been introduced in Congress and from the number of public and private laws which have been passed. The abrupt reduction in the number of private bills enacted into law beginning with the 60th Congress was the result of combining many private bills, particularly pension bills, into omnibus enactments.

Y 199-203. Congressional bills vetoed, 1789-1970.

Source: U.S. Congress. Senate Library, Presidential Vetoes, U.S. Government Printing Office, 1969, p. v, and Calendars of the U.S. House of Representatives and History of Legislation, annual issues.

The term "veto," which does not appear in the Constitution, indicates the action of the President when he disapproves a bill and returns it with his objections to the House of Congress which originated the measure. These regular vetoes differ from pocket vetoes, which result when a bill fails to become law because the President has not signed it within 10 days but cannot return it with objections because the Congress has adjourned during the same period. For a bill to pass over a veto, both Houses of Congress must vote to override the veto.

Y 204-210. Political party affiliations in Congress and the Presidency, 1789-1970.

Source: 1st to 74th Congress, Library of Congress, Legislative Reference Service, "Political Trends—Both Houses of Congress—1789-1944" (typewritten tabulation based on *Encyclopedia Americana*, 1936 edition, vol. 7, pp. 516-518, 1st to 69th Congresses; and on Harold R. Bruce, *American Parties and Politics*, 3d edition, Henry Holt and Co., New York, 1936, pp. 174-179, 70th to 74th Congresses); 75th to 91st Congresses, U.S. Congress, *Congressional Directory*, annual volumes.

It is generally recognized today that popular government operates only through the agency of organized political parties. During the early development of the United States, party alignments and the function of political parties were neither fully appreciated nor provided for. Party alignments developed during the formative period, but designations for the different groups were not firmly fixed.

In the classification by party, the titles of parties during early years have been so designated as to be recognizable in the records of the periods concerned, and also to show the thread of continuity which tends to run from early alignments into the present 2-party system. Inasmuch as the party of Thomas Jefferson (generally known at the time as the Republican party) has with a considerable measure of continuity survived to the present time as the Democratic party, the name later accepted by the Jeffersonian Republicans of "Democratic-Republican" is used in the tables to avoid any confusion of the early Jeffersonian Republican with the present-day Republican party. Opposed to the early Republican party was the Federalist party, which was dominant in the first national administration and which, with interruptions, can be traced tenuously by elements of popular support through the National Republican, the Whig, and the Free Soil parties to the Republican party of today.

Y 211-214. Vote cast for Representatives, by political party, 1896-1970.

Source: 1896-1950, Governmental Affairs Institute, Washington, D.C., unpublished data. (Figures adapted by Richard M. Scammon from Cortez A. M. Ewing, Congressional Elections, 1896-1944, University of Oklahoma Press, Norman, 1947, and from unpublished work sheets used in its preparation and the biennial reports of the Clerk of the House of Representatives giving statistics of Congressional voting.) 1952-1962, U.S. Bureau of the Census, Congressional District Data Book (Districts of the 88th Congress); 1964-1968, Governmental Affairs Institute, Washington, D.C., America Votes 8, 1970

(copyright); 1970, U.S. Congress, Clerk of the House, Statistics of the Congressional Election.

Y 215-271. General note.

The number of members in the House of Representatives is fixed by the Congress at the time of each apportionment. The population figures used for apportionment purposes are those determined for the States by each decennial census. No reapportionment was made following the 1920 census, and no change in total House membership has been made since 1912. However, the legislation granting state-hood to Alaska and Hawaii allotted one Representative to each of those States and, during 1960 to 1962, increased the total of members to 437. The total reverted to 435 after reapportionment following the 1960 census. The original assignment of Representatives for each State, to be in effect until after the first enumeration of the population, and the requirement that each State have at least one Representative are stated in the Constitution.

Prior to the passage of the 14th amendment, Representatives were apportioned among the States "according to their respective numbers, which shall be determined by adding to the whole number of free persons, including those bound to service for a term of years, and excluding Indians not taxed, three-fifths of all other persons." (Art. I. sec. 2.) In effect, censuses between 1790 and 1860 included three-fifths of slaves in the apportionment population. Since the passage of the 14th amendment in 1868, Representatives have been apportioned "among the several States according to their respective numbers, counting the whole number of persons in each State, excluding Indians not taxed." At the time of the 1940 apportionment, it was determined that there were no longer any Indians who would be classed as "not taxed" under apportionment law.

In 1970, for the first time, the following classes of persons abroad were allocated to their home States for inclusion in the apportionment population: (1) members of the Armed Forces; (2) civilian employees of any Federal department or agency who were citizens of the United States or who had a home State; (3) spouses and children who were living abroad with persons classified in groups 1 and 2 above; and (4) other relatives living abroad in groups 1 and 2 who were citizens of the United States or who had a home State.

For detailed information about apportionment methods, see House Report 91-1314: The Decennial Population Census and Congressional Apportionment, 1970.

Y 215-219. Apportionment of Representatives among the States, 1790-1970.

Source: U.S. Bureau of the Census, U.S. Census of Population: 1970, vol. I, p. VIII.

See general note for series Y 215-271 for information about the apportionment population.

Y 220-271. Apportionment of membership in House of Representatives, by State, from adoption of Constitution to 1970.

Source: U.S. Bureau of the Census, U.S. Census of Population: 1970, vol. I, p. 53.

Membership is shown as of the date of the fixing of the new House apportionment plus members added for new States admitted during the subsequent decade. Major boundary changes affecting State representation in the House occurred in 1820, when Maine separated from Massachusetts, and in 1863, when West Virginia separated from Virginia.

Prior to 1850, apportionment ratios were chosen arbitrarily; from 1850 to 1900, ratios were the apportionment population of the United States divided by a predetermined number of Representatives; from 1910 on, apportionment ratios were computed by dividing a fixed number (435) of Representatives into the apportionment population. For additional information, see general note for series Y 215–271.

ELECTIONS AND POLITICS

Series Y 1-26. Methods of Electing Presidential Electors: 1788 to 1836

-by legislature; G T—by people, on general ticket; D—by people, in districts; A—by people, in the State at large; E—by electors. The number in parentheses following the symbol "D" is the number of districts into which the State was divided. As a rule, each district elected 1 elector. The number in parentheses following the symbol "A" is the number of electors elected at large]

Series No.	State	1836	1832	1828	1824	1820	1816	1812	1808	1804	1800	1796	1792	1788- 1789
1	New Hampshire	G T	G T	G T	G T	G T	G T	G T	G T	G T	L	G T and	G T 3	G T and
2	Massachusetts	G T	G T	G T	G T	D (13)	L	D (6) 3	L	D (17)	L	D (14) and L 4		D (8) and
3 4 5	Rhode Island Connecticut New York	G T G T G T	G T G T G T	G T G T D (30) and E 7	GT GT L	and A (2) G T G T L	G T L L	G T L L	G T L L	and Å (2) G T L L	G T L L	L L L L	L L L L L	L.
6 7	New Jersey Pennsylvania	G T G T	G T G T	G T G T	G T G T	G T G T	G T G T	L G T	G T G T	G T G T	L L	L G T	L G T	L G T
8 9 10 11 12 13	Delaware	GТ	G T D (4) 9 G T G T L G T	L D (9) 10 G T G T L G T	L D (9) 10 G T G T L L	L D (9) 10 G T G T L L	L D (9) ¹⁰ G T G T L L	L D (9) ¹⁰ G T L L L	L D (9) 10 G T D (14) L L	L D (9) ¹⁰ G T D (14) L L	L D (10) G T D (12) L L	L D (10) D (21) D (12) L G T	L G T D (21) L 11 L L	D (3) 8 G T D (12) L L
14 15 16 17 18	Vermont Kentucky Tennessee Ohio Louisiana	GT GT GT GT	G T G T G T G T	G T G T D (11) G T G T	L D (3) 12 D (11) G T L	L D (3) ¹³ D (8) G T L	L D (3) ¹³ D (8) G T L	D (3) 13 D (8) G T L	L D (2) ¹³ D (5) G T	D (2) 13 D (5) G T	L D (4) E 14	L D (4) E 14	L D (4)	
19 20 21 22 23	Indiana Mississippi Illinois Alabama Maine Missouri	GT GT GT GT	GT GT GT GT	G T G T G T G T D (7) and A (2) G T	G T G T D (3) G T D (7) and A (2) D (3)	L G T D (3) L D (7) and A (2) L								
25 26	Arkansas Michigan	G T G T												

Series Y 27-78. Voter Participation in Presidential Elections, by State: 1824 to 1968

[In percent]

Series No.	State	1968	1964	1960	1956	1952	1948	1944	1940	1936	1932	1928	1924	1920	1916	1912	1908	1904	1900	1896
27	United States	60.6	61.7	64.0	60.6	63.3	53.0	55.9	62.5	61.0	56.9	56.9	48.9	49.2	61.6	58.8	65.4	65.2	73.2	79.3
28 29	Alabama Alaska Arizona	52.8 53.0 50.6	36.1 48.0 56.8	31.2 59.2 53.8	27.6	24.2	12.6	15.0	18.9 57.0	18.8	17.5	19.1	13.5	20.6	24.3	22.6	21.5	24.2	38.9	51.9
30 31 32	Arizona Arkansas California	54.1 62.0	51.2 66.1	41.1 67.9	38.0 64.0	36.9 69.4	45.4 21.9 63.2	42.2 19.3 65.1	18.2 73.4	52.0 17.3 66.0	55.1 22.1 64.0	21.4 59.0	44.4 15.3 50.8	46.8 20.9 47.2	48.7 40.0 58.0	38.6 30.7 46.9	40.2 60.2	33.8 61.7	40.8 69.9	48.2 75.0
33 34 35 36	Colorado Connecticut Delaware District of Columbia	64.0 68.8 68.7 34.7	67.6 71.3 69.5 39.4	71.7 77.1 74.5	69.2 75.8 72.7	76.2 80.9 78.4	64.5 71.2 68.5	67.9 73.9 66.9	79.7 77.2 79.4	75.5 74.6 79.8	75.3 70.8 76.3	68.4 72.6 75.3	62.5 57.9 68.1	56.0 58.7 75.1	60.5 78.8 86.1	59.1 71.5 84.1	65.4 76.3 86.2	71.0 80.5 82.0	71.2 79.7 81.9	65.2 83.3 64.6
37	Florida	53.8	51.9	50.0	43.6	47.6	34.1	33.5	40.9	31.3	30.5	33.0	17.0	30.3	33.8	24.2	26.2	24.4		40.0
38 39 40	Georgia Hawaii Idaho	44.7 53.3 71.9	45.3 52.4 75.2	32.9 58.9 80.6	31.3 75.2	31.9 78.2	21.4 63.1	17.6 64.5	17.7 77.0	17.7 71.8	16.5 74.4	15.7 66.0	11.5 65.2	10.5	28.7 67.4	18.9 	22.0 65.8	23.8 65.3	77.8	34.3 76.1
41 42	Illinois Indiana	69.3 69.5	72.6 71.7	76.5 76.9	72.4 73.7	76.0 75.7	70.3 67.2	74.8 71.7	82.2 81.1	81.6 78.7	74.6 78.9	78.4 74.9	64.1 70.7	60.5 71.0	66.8 81.9	74.7 77.8	81.6 89.9	80.5 89.7	89.9 92.1	95.7 95.1
43 44 4 5	Iowa Kansas Kentucky	67.9 63.4 51.3	70.0 63.6 54.8	76.8 71.8 60.5	74.0 67.4 60.5	75.8 71.7 57.0	62.4 65.0 47.9	64.3 62.2 51.9	75.5 75.1 59.5	73.5 76.6 59.9	69.1 71.1 67.4	68.9 65.9 67.7	68.4 64.1 61.0	64.5 58.0 71.8	75.0 65.8 82.8	74.2 76.3 74.6	77.6 82.5 84.0	79.7 78.1 77.7	91.0 91.2 87.0	96.1 85.5 89.2
46 47	Louisiana	54.9 66.4	47.1 65.0	45.1 74.0	36.0 61.8	40.2 63.1	27.5 49.0	25.1 57.3	29.4 65.0	27.3 64.4	23.4 66.3	20.1 60.2	12.4 44.9	14.1 46.9	21.6 65.1	19.3 63.4	19.8 53.2	15.6 49.5	21.7 56.0	85.8 68.0

¹A majority of the popular vote was necessary for a choice. In case of a failure to elect, the legislature supplied the deficiency.

²A majority of votes was necessary for a choice. In case of a failure to elect 1 or more electors a second election was held by the people, at which choice was made from the candidates in the first election who had the most votes. The number of candidates in the second election was limited to twice the number of electors wanted.

³I district chose 6 electors; 1, 5 electors; 1, 4 electors; 2, 3 electors each; and 1, elector.

³ I district chose 6 electors; 1, 5 electors; 1, 4 electors; 2, 3 electors eacn; and 1, 1 elector.

⁴ A majority of votes was necessary for a popular choice. Deficiencies were filled by the General Court, as in 1792. It also chose 2 electors at large. In 1796 it chose 9 electors, and the people, 7.

⁵ 2 of the districts voted for 5 members each, and 2 for 3 members each. A majority of votes was necessary for a choice. In case of a failure to elect by popular vote the General Court supplied the deficiency. In the election of 1792, the people chose 5 electors and the General Court, 11.

⁶ Each of the 8 districts chose 2 electors, from which the General Court (i.e., the legislature) selected 1. It also elected 2 electors at large.

^{7 1} district elected 3 electors; 2, 2 electors each; and 27, 1 elector each. The 34 electors thus elected chose 2 presidential electors.
8 Each qualified voter voted for 1 elector. The 3 electors who received most votes in the State were elected.
9 1 district chose 4 electors; 1, 3 electors; 1, 2 electors; 1, 1 elector.
10 During the years 1804-1828, Maryland chose 11 electors in 9 districts, 2 of the districts elected 2 members each.
11 The State was divided into 4 districts, and the members of the legislature residing in each district chose 3 electors.
12 districts chose 5 electors each, and 1 chose 4 electors.
13 Each district elected 4 electors.
14 In 1796 and 1800, Tennessee chose 3 presidential electors—1 each for the districts of Washington, Hamilton, and Mero.
3 "electors" for each county in the State were appointed by the legislature, and the "electors" residing in each of the 3 districts chose 1 of the 3 presidential electors.

Y 27–78 GOVERNMENT

Series Y 27-78. Voter Participation in Presidential Elections, by State: 1824 to 1968—Con.
[In percent]

Series No.	State	1968	1964	1960	1956	1952	1948	1944	1940	1936	1932	1928	1924	1920	1916	1912	1908	1904	1900	1896
48 49 50 51 52	Maryland Massachusetts Michigan Minnesota Mississippi	55.2 66.4 64.9 71.7 53.3	54.7 68.4 66.2 73.7 84.1	58.3 76.9 72.7 77.1 25.7	54.6 72.0 71.1 68.7 21.0	57.5 75.0 68.5 72.6 23.8	41.7 71.5 55.6 65.7 16.0	46.7 71.0 63.7 63.0 15.0	57.2 78.7 66.6 72.3 14.7	58.1 75.9 62.1 69.7 14.4	51.2 69.5 62.0 66.2 13.8	56.8 74.0 56.3 68.5 15.2	41.0 56.6 53.7 62.0 12.0	52.3 53.3 55.1 59.5 9.4	68.1 62.8 72.9 65.0 20.0	64.8 63.4 69.8 61.2 15.1	70.9 65.1 75.9 66.1 16.5	69.6 67.6 78.9 64.8 15.6	85.9 67.4 89.0 76.7 16.9	87.8 70.6 95.3 75.2 22.1
53 54 55 56 57	Missouri Montana Nebraska Nevada New Hampshire	64.9 68.4 60.0 55.9 68.5	65.2 70.6 66.6 60.0 71.4	72.6 71.7 72.1 61.0 80.2	68.8 71.6 67.6 65.9 74.4	71.8 71.8 71.9 69.7 79.2	61.0 62.3 58.2 64.0 70.3	62.2 59.0 67.9 64.8 73.5	74.4 72.2 75.4 75.7 79.6	77.3 70.8 75.6 69.1 77.8	70.9 70.3 72.1 73.2 77.5	69.1 65.3 71.5 63.0 77.8	63.3 59.2 63.8 56.1 67.4	67.6 61.4 55.7 61.0 67.5	81.5 68.0 84.5 73.6 77.3	74.9 63.3 77.1 68.1 78.2	79.7 61.9 77.8 92.1 80.8	74.9 65.8 70.1 59.2 81.6	83.1 75.3 80.2 71.4 83.9	88.5 78.8 74.1 69.2 78.1
58 59 60 61 62	New Jersey	65.8 60.0 59.7 54.1 70.0	69.2 62.8 64.4 51.9 72.9	71.8 64.5 66.9 54.1 79.1	68.9 56.8 67.9 47.4 71.3	72.3 60.5 71.2 51.3 75.5	63.0 53.4 65.0 35.4 61.6	69.1 48.8 70.9 38.0 61.5	76.1 66.6 75.7 42.7 78.4	75.0 68.7 72.6 47.4 78.0	72.0 69.7 66.1 44.0 74.5	75.6 60.3 68.3 43.1 72.4	60.7 61.8 56.3 35.9 63.8	59.1 62.3 56.4 44.6 67.4	70.7 77.8 71.6 49.8 77.7	69.1 59.6 72.1 46.1 60.8	82.4 79.7 52.0 73.2	83.6 83.3 46.1 61.4	85.9 84.6 70.2 65.2	88.4 84.3 85.3 63.1
63 64 65 66 67	OhioOklahomaOregonPennsylvania.Rhode Island	62.7 60.0 64.6 64.3 65.6	65.3 62.4 67.2 66.6 69.3	71.3 64.3 72.4 70.7 77.3	66.4 61.4 71.1 65.5 73.2	69.7 68.6 69.6 66.5 79.8	58.4 52.5 56.5 56.0 66.0	66.9 52.8 58.4 59.8 65.0	75.4 60.5 67.1 67.6 75.6	71.8 56.4 62.5 72.5 78.0	65.5 54.4 60.7 53.1 71.7	66.9 50.5 57.7 62.7 68.9	57.8 47.4 55.3 45.8 66.3	62.6 48.6 52.3 42.8 57.9	76.5 60.4 54.2 63.4 65.8	74.8 57.4 51.8 64.4 62.7	87.5 71.5 47.3 71.8 62.4	83.1 47.6 74.3 63.4	91.5 58.3 75.0 56.2	95.5 69.9 81.8 59.2
68 69 70 71 72	South Carolina South Dakota Tennessee Texas Utah	46.0 72.8 53.2 48.2 75.2	38.7 75.4 51.5 44.1 78.0	31.4 78.8 50.4 42.4 78.9	24.7 74.7 45.9 37.9 77.2	29.1 74.4 44.7 43.5 82.9	12.8 63.3 28.7 26.0 76.0	9.8 59.3 28.2 28.2 75.0	10.1 79.5 30.6 30.1 83.1	12.5 77.5 30.0 24.8 77.9	12.3 76.5 26.5 27.2 80.0	8.5 72.0 25.7 24.8 73.4	6.4 59.4 23.3 25.8 69.7	8.6 56.6 35.4 21.7 69.6	17.5 60.9 46.6 35.0 79.5	14.6 61.9 45.1 30.8 66.4	20.6 69.5 48.1 33.6 73.0	18.4 73.0 47.7 29.6 78.4	18.0 85.4 56.6 61.4 84.5	25.2 78.0 70.8 88.3 79.4
73 74 75 76 77 78	Vermont Virginia Washington West Virginia Wisconsin Wyoming	62.9 50.5 64.3 69.3 65.6 65.3	67.0 41.6 67.2 73.0 68.6 74.1	72.9 34.4 74.1 77.9 73.5 73.9	66.5 31.8 70.4 74.6 67.8 67.4	66.8 29.9 71.2 76.3 72.5 72.5	54.5 21.6 63.2 65.8 59.8 59.6	56.9 22.3 67.0 65.5 65.7 63.3	66.8 22.1 70.6 83.0 72.4 74.8	68.5 23.0 66.5 84.9 68.9 74.0	66.6 22.1 64.2 81.9 65.1 74.9	66.8 24.0 56.6 76.4 65.9 68.7	51.3 18.1 51.2 75.2 57.3 71.0	45.8 19.4 52.4 71.7 52.3 52.3	58.2 27.1 54.7 83.6 70.2 54.9	56.8 25.7 50.8 81.9 68.7 50.3	48.9 27.4 59.0 86.9 68.7 49.2	50.7 27.7 60.9 89.2 72.0 50.8	57.9 59.6 64.9 91.3 77.5 51.1	67.5 71.0 63.1 93.6 84.9 50.7
Series No.	State		1892	1888	1884	1880	1876	1872 1	1868	1864	1860	1856	1852	1848	1844	1840	1836	1832	1828	1824
27	United States		74.7	79.3	77.5	79.4	81,8	71.3	78.1	73.8	81.2	78.9	69.6	72.7	78.9	80.2	57.8	55.4	57.6	26.9
28 31 32 33	Alabama Arkansas California Colorado		68.5 55.0 73.8 54.6	56.6 68.9 76.5 57.4	54.2 59.1 68.8 52.4	58.8 59.5 67.1 57.4	72.8 64.7 75.9	79.6 67.6 57.9	77.9 49.0 72.3	(2) (2) 64.6	78.7 79.5 71.2	71.0 60.2 81.6	45.3 48.6 75.7	69.7 55.9	80.3 63.5	89.7 67.6	64.9 28.9	31.5	54.6	49.1
34 35 37 38 40 41	Connecticut Delaware Florida Georgia Idaho Illinois		85.4 80.4 35.3 53.1 63.1 86.0	85.5 68.8 85.0 37.6	79.9 76.0 83.1 41.0	81.4 81.9 85.9 49.4 	73.4 93.5 63.5	71.3 73.3 77.0 55.2 75.0	80.1 84.3 (3) 73.2 76.7	76.3 79.8 (2) (2) (2) 69.2	73.3 79.5 79.5 85.1	81.8 78.5 77.6 82.8 -72.4	72.3 75.0 56.9 54.8	72.3 80.4 64.0 86.0	80.0 85.8 92.6 76.0	75.7 82.8 -88.8 -86.0	52.3 69.5 61.8 43.5	46.0 67.1 29.0 46.0	27.2 31.8 52.4	14.9
42 43 44 45 46	Indiana Iowa Kansas Kentucky Louisiana		89.0 88.5 80.7 73.8 45.1	93.3 87.9 88.2 81.1 50.0	92.2 90.0 85.1 70.8 49.8	94.4 93.7 80.8 75.5 50.3	94.6 99.1 65.7 80.9 77.9	85.3 79.0 77.8 66.2 76.4	92.5 97.7 51.3 69.9 75.9	82.9 95.4 31.8 44.0 (2)	89.4 94.2 74.1 58.6	88.3 87.0 76.7 53.6	80.3 80.2 64.2 48.7	78.5 90.7 -73.9 51.1	84.7 80.7 47.1	84.4 74.3 39.4	69.2 61.1 19.2	71.9 74.0 22.3	68.7 70.7 36.2	37.1 25.4
47 48 49 50	Maine Maryland Massachusetts Michigan Minnesota			71.7 84.8 71.7 80.9 76.3	75.0 79.9 69.3 76.0 68.2	85.0 79.8 71.2 75.5 68.9	71.5 82.7 72.3 78.0 71.3	57.9 75.0 62.0 64.0 67.5	74.4 72.6 66.9 77.4	73.2 57.7 63.8 66.2 57.5	68.9 81.1 65.8 80.0 74.9	78.1 80.0 69.8 81.1	61.2 72.8 57.8 71.3	68.4 76.0 64.6 74.5	71.3 81.4 65.8 79.8	83.7 84.5 66.7 84.9	37.7 67.6 43.4 35.0	66.2 55.7 39.4	42.7 70.3 25.7	19.1 53.7 29.0
52 53 54 55 56	Mississippi Missouri Montana Nebraska Nevada		18.8 77.4 74.2 66.2 70.1	43.8 81.8 75.9 71.4	49.2 77.0 67.8 61.6	50.1 78.0 67.7 76.5	79.7 76.6 53.0 90.0	71.1 66.6 43.7 74.4	43.0 46.1 73.7	36.3 157.5	89.5 69.1	78.3 54.7	61.7 46.3	80.7 62.5	86.1 77.8	88.2 75.1	64.4 36.1	28.0 41.0	56.6 54.0	41.3 19.8
57 58 60 61 62	New Hampshire New Jersey New York North Carolina North Dakota		85.8 90.3 86.3 78.0 56.6	90.2 91.9 92.3 85.2	87.4 88.6 87.5 86.3	93.3 95.4 89.3 83.0	92.0 94.8 89.6 90.1	80.9 81.4 80.5 71.9	82.3 89.5 91.7 91.2	84.3 81.0 89.3 (2)	80.7 89.4 95.5 70.9	87.9 83.1 89.9 66.7	65.7 79.8 84.7 65.8	67.4 82.7 79.6 71.4	68.9 87.2 92.1 78.8	86.3 80.4 91.9 82.4	38.2 69.2 70.5 53.0	70.1 68.8 84.2 31.3	74.3 71.0 80.2 56.9	18.0 35.6 41.8
63 65 66 67 68	Ohio		86.2 58.4 75.7 63.0 29.1	91.9 53.5 83.0 53.4 35.0	93.4 63.0 82.3 48.1 43.0	94.4 79.1 88.8 48.7 83.9	94.4 70.4 83.5 49.4 101.0	84.4 60.5 68.6 40.2 60.4	90.4 85.8 88.3 46.6 79.6	87.6 91.8 85.0 58.8 (2)	88.3 97.8 78.4 59.4	82.3 80.8 62.9 (4)	80.6 72.6 57.8 (4)	77.5 76.3 41.1 (4)	83.6 77.3 45.1 (4)	84.5 77.5 33.2 (4)	75.5 53.1 23.8	73.9 52.3 26.3	75.9 56.5 17.1	34.8 18.8 12.0
69 70 71 73 74	South Dakota Tennessee Texas Vermont Virginia		70.7 64.0 79.4 60.4 75.3	77.6 78.3 71.4 83.2	73.1 80.2 70.5 81.7	75.1 68.8 81.6 64.1	74.6 54.6 83.3 77.6	66.2 56.3 69.1 66.2	39.7 (1) 75.9 (1)	(2) (2) 77.0 (2)	80.9 67.4 63.0 71.5	82.9 58.1 72.5 67.8	72.9 42.6 63.5 63.3	83.4 69.6 70.5 47.3	89.8 70.8 54.2	89.7 73.8 54.7	57.3 52.5 35.2	31.3 50.0 31.1	55.0 54.5 27.7	28.3 11.6
75 76 77 78	Washington West Virginia Wisconsin Wyoming		76.8	94.5 81.1	86.7 82.2	82.6 82.4	83.6 83.9	61.2 70.6	58.0 79.8	51.6 66.8	79.0	80.8	59.6	58.3						

Mississippi, Texas, and Virginia did not participate in the election.
 Confederate States did not participate in the election.

1072

Florida (in 1868) and Colorado (in 1876) cast 3 Republican electoral votes through its legislature rather than by popular vote.
 South Carolina chose its electors through its legislature.

Series Y 79-83. Electoral and Popular Vote Cast for President, by Political Party: 1789 to 1968

[Excludes unpledged tickets and minor candidates polling under 10,000 votes. Various party labels may have been used by a candidate in different States; the more important of these are listed below]

	Number	Presidential	Political	Vo	te cast		Number	Presidential	Political	Vo	te cast
Year	of States	candidate	party	Electoral	Popular	Year	of States	candidate	party	Electoral	Popular
	79	80	81	82	83		79	80	81	82	83
1968	50	Richard M. Nixon Hubert H. Humphrey George C. Wallace	Republican Democratic American Independent	301 191 46	31,785,480 31,275,166 9,906,473	1920	48	Warren G. Harding James M. Cox Eugene V. Debs P. P. Christensen	Republican Democratic Socialist Farmer-Labor	404 127	16,143,407 9,130,328 919,799 265,411
		Henning A. Blomen Dick Gregory Fred Halstead	Socialist Labor (1) Socialist Workers	-	52,588 47,133 41,388	1010	40	Aaron S. Watkins James E. Ferguson W. W. Cox	Prohibition American Socialist Labor	-	189,408 48,000 31,715
		Eldridge Cleaver Eugene J. McCarthy E. Harold Munn	Peace and Freedom (2) Prohibition	_ _ _	36,563 25,552 15,123	1916	48	Woodrow Wilson Charles E. Hughes A. L. Benson J. Frank Hanly Arthur E. Reimer	Democratic Republican Socialist Prohibition Socialist Labor	277 254 - -	9,127,695 8,533,507 585,113 220,506 13,403
1964	50	Lyndon B. Johnson Barry M. Goldwater Eric Hass Clifton DeBerry E. Harold Munn	Democratic Republican Socialist Labor Socialist Workers Prohibition	486 52 - -	43,129,566 27,178,188 45,219 32,720 23,267	1912	48	Woodrow Wilson Theodore Roosevelt William H. Taft Eugene V. Debs Eugene W. Chafin	Democratic Progressive Republican Socialist Prohibition	435 88 8	6,296,547 4,118,571 3,486,720 900,672 206,275
1960	50	John F. Kennedy Richard M. Nixon Eric Hass Rutherford L. Decker Orval E. Faubus	Democratic Republican Socialist Labor Prohibition National States Rights	3 303 219 - - -	34,226,731 34,108,157 47,522 46,203 44,977	1908	46	Arthur E. Reimer William H. Taft William J. Bryan Eugene V. Debs Eugene W. Chafin Thomas L. Hisgen	Socialist Labor Republican Democratic Socialist Prohibition Independence	321 162	28,750 7,675,320 6,412,294 420,793 253,840 82,872
		Farrell Dobbs Charles L. Sullivan	Socialist Workers Constitution	-	40,165 18,162	1904	45	Thomas E. Watson August Gillhaus Theodore Roosevelt	People's Socialist Labor Republican	336	29,100 14,021 7,628,461
1956	48	Dwight D. Eisenhower Adlai E. Stevenson T. Coleman Andrews Eric Hass Enoch A. Holtwick	Republican Democratic States' Rights Socialist Labor Prohibition	457 473 - - -	35,590,472 26,022,752 111,178 44,450 41,937			Alton B. Parker Eugene V. Debs Silas C. Swallow Thomas E. Watson Charles H. Corregan	Democratic Socialist Prohibition People's Socialist Labor	140	5,084,223 402,283 258,536 117,183 31,249
1952	48	Dwight D. Eisenhower Adlai E. Stevenson Vincent Hallinan Stuart Hamblen Eric Hass Darlington Hoopes Douglas A. MacArthur	Republican Democratic Progressive Prohibition Socialist Labor Socialist Constitution	442 89 - - - - -	33,936,234 27,314,992 140,023 72,949 30,267 20,203 17,205	1900	45	William McKinley William J. Bryan John C. Wooley Eugene V. Debs Wharton Barker Jos. F. Malloney	Republican Democratic 5 Prohibition Socialist People's Socialist Labor	292 155 — —	7,218,491 6,356,734 208,914 87,814 50,373 39,739
1948	48	Farrell Dobbs Harry S. Truman	Socialist Workers Democratic	303	10,312 24,179,345	1896	45	William McKinley William J. Bryan John M. Palmer	Republican Democratic 5 National Democratic	271 176	7,102,246 6,492,559 133,148
		Thomas E. Dewey Strom Thurmond Henry Wallace Norman Thomas	Republican States' Rights Progressive Socialist	189 39 -	21,991,291 1,176,125 1,157,326 139,572		!	Joshua Levering Charles H. Matchett Charles E. Bentley	Prohibition Socialist Labor Nationalist		132,007 36,274 13,969
	10	Claude A. Watson Edward A. Teichert Farrell Dobbs	Prohibition Socialist Labor Socialist Workers	-	103,900 29,241 13,614	1892	44	Grover Cleveland Benjamin Harrison James B. Weaver John Bidwell Simon Wing	Democratic Republican People's Prohibition Socialist Labor	277 145 22 -	5,555,426 5,182,690 1,029,846 264,133 21,164
1944	48	Franklin D. Roosevelt Thomas E. Dewey Norman Thomas Claude A. Watson Edward A. Teichert	Democratic Republican Socialist Prohibition Socialist Labor	432 99 - - -	25,606,585 22,014,745 80,518 74,758 45,336	1888	38	Benjamin Harrison Grover Cleveland Clinton B. Fisk Anson J. Streeter	Republican Democratic Prohibition Union Labor	283 168	5,447,129 5,537,857 249,506 146,935
1940	48	Franklin D. Roosevelt Wendell L. Willkie Norman Thomas Roger Q. Babson Earl Browder	Democratic Republican Socialist Prohibition Communist	449 82 - - -	27,307,819 22,321,018 99,557 57,812 46,251 14,892	1884	38	Grover Cleveland James G. Blaine Benjamin F. Butler John P. St. John	Democratic Republican Greenback- Labor Prohibition	219 182	4,879,507 4,850,293 175,370 150,369
1936	48	John W. Aiken Franklin D. Roosevelt Alfred M. Landon William Lemke Norman Thomas	Socialist Labor Democratic Republican Union	523 8 -		1880	38	James A. Garfield Winfield S. Hancock James B. Weaver	Republican Democratic Greenback- Labor	214 155 –	4,453,295 4,414,082 308,578 10,305
		Earl Browder D. Leigh Colvin John W. Aiken	Socialist Communist Prohibition Socialist Labor	_ _ _ _	27,752,869 16,674,665 882,479 187,720 80,159 37,847 12,777	1876	38	Neal Dow Rutherford B. Hayes Samuel J. Tilden Peter Cooper	Prohibition Republican Democratic Greenback	185 184	4,036,572 4,284,020 81,737
1932	48	Franklin D. Roosevelt Herbert C. Hoover Norman Thomas William Z. Foster William D. Upshaw Verne L. Reynolds	Democratic Republican Socialist Communist Prohibition Socialist Labor	472 59 - - - -	22,809,638 15,758,901 881,951 102,785 81,869 33,276 53,425	1872	37	Ulysses S. Grant Horace Greeley Charles O'Connor Thomas A. Hendricks	Republican Democratic Straight Democratic Independent-	286 (6)	3,596,745 2,843,446 29,489
1 92 8	48	William H. Harvey Herbert C. Hoover Alfred E. Smith Norman Thomas Venne L. Reynolds	Liberty Republican Democratic Socialist Socialist Labor	444 87 -	53,425 21,391,993 15,016,169 267,835 21,603 21,181 20,106			B. Gratz Brown Charles J. Jenkins David Davis (Not voted)	Democratic Democratic Democratic Democratic	42 18 2 1 17	
1924	48	Verne L. Reynolds William Z. Foster William F. Varney Calvin Coolidge	Workers Prohibition Republican	382		1868	37	Ulysses S. Grant Horatio Seymour (Not voted)	Republican Democratic	214 80 23	3,013,421 2,706,829
 -		Calvin Coolidge John W. Davis Robert M. LaFollette Herman P. Faris Frank T. Johns William Z. Foster Gilbert O. Nations	Democratic Progressive Prohibition Socialist Labor Workers American	136 13 - - -	15,718,211 8,385,283 4,831,289 57,520 36,428 36,386 23,967						

Gilbert O. N See footnotes at end of table.

Series Y 79-83. Electoral and Popular Vote Cast for President, by Political Party: 1789 to 1968—Con.

	Number	Presidential	Political	V	ote cast	l	Number	Presidential	Political	Vote cast.
Year	States	candidate	party	Electoral	Popular	Year	States	candidate	party	elec- toral
	79	80	81	82	83		79	80	81	82
1864	36	Abraham Lincoln George B. McClellan (Not voted)	Republican Democratic	212 21 81	2,206,988 1,803,787	1812	18	James Madison De Witt Clinton	Democratic- Republican Fusion	128 89
1860	33	Abraham Lincoln J. C. Breckinridge Stephen A. Douglas John Bell	Republican Democratic (S) Democratic Constitutional Union	180 72 12	1,865,593 848,356 1,382,713 592,906	1808	17	(Not voted) James Madison C. C. Pinckney George Clinton	Democratic- Republican Federalist Independent-	1 122 47
1856	31	James Buchanan John C. Fremont Millard Fillmore	Democratic Republican American	174 114 8	1,832,955 1,339,932 871,731	1804	17	(Not voted) Thomas Jefferson	Republican Democratic-	6 1
1852	31	Franklin Pierce Winfield Scott	Democratic Whig	254 42	1,601,117 1,385,453	1804	1.	C. C. Pinckney	Republican Federalist	162 14
1848	30	John P. Hale Zachary Taylor	Free Soil Whig	163	155,825	1800 9	16	Thomas Jefferson Aaron Burr	Democratic- Republican Democratic-	78
1010111	gu	Lewis Čass Martin Van Buren	Democratic Free Soil	127	1,222,342 291,263	į		John Adams C. C. Pinckney	Republican Federalist Federalist	73 65 64
1844	26	James K. Polk Henry Clay James G. Birney	Democratic Whig Liberty	170 105	1,338,464 1,300,097 62,300	1796 %	16	John Jay John Adams	Federalist Federalist	1 71
1840	26	William H. Harrison Martin Van Buren	Whig Democratic	234 60	1,274,624 1,127,781			Thomas Jefferson Thomas Pinckney Aaron Burr	Democratic- Republican Federalist Anti-Federalist	68 59 30
1836	26	Martin Van Buren William H. Harrison Hugh L. White Daniel Webster W. P. Mangum	Democratic Whig Whig Whig Anti-Jackson	170 73 26 14 11	765,483 7739,795			Samuel Adams Oliver Ellsworth George Clinton	Democratic- Republican Federalist Democratic- Republican	15 11 7
1882	24	Andrew Jackson Henry Clay William Wirt John Floyd (Not voted)	Democratic National Republican Anti-Masonic Nullifiers	219 49 7 11	687,502 530,189			John Jay James Iredell George Washington John Henry S. Johnston	Independent- Federalist Federalist Federalist Independent Independent- Federalist	5 3 2 2 2
1828	24	Andrew Jackson John Q. Adams	Democratic National	178	647,286			C. C. Pinckney	Independent- Federalist	1
1824	. 24	John Q. Adams Andrew Jackson Henry Clay	Republican No distinct party de-	83 884 899 37	508,064 108,740 153,544 47,136	1792 9	15	George Washington John Adams George Clinton Thomas Jefferson	Federalist Federalist Democratic- Republican	182 77 50
1820	24	W. H. Crawford James Monroe John Q. Adams	Republican Independent-	231	46,618	1789 %	10	Aaron Burr George Washington John Adams		34
1816	19	(Not voted) James Monroe	Republican Republican	183				John Jay R. H. Harrison John Rutledge John Hancock		6 4
		Rufus King (Not voted)	Federalist	34				George Clinton Samuel Huntington John Milton James Armstrong Benjamin Lincoln Edward Telfair (Not voted)		2 2

Represents zero.

Total vote for Gregory includes write-in votes as well as votes for the Freedom and Peace Party, the Peace Freedom Alternative, the Peace and Freedom Party, and the New Party.

Total vote for McCarthy includes write-in votes as well as votes for the Alternative in November Party, and the New Party.

Government Party, and the New Party.

Government Party, and the New Party.

Government Party, and the New Party.

Government Party, and the New Party.

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⁶ Greeley died shortly after the election and presidential electors supporting him cast their votes as indicated, including 3 for Greeley, which were not counted.

⁷ Whig tickets were pledged to various candidates in various States.

⁸ No candidate having a majority in the electoral college, the election was decided in the House of Representatives.

⁹ Prior to the election of 1804, each elector voted for 2 candidates for President; the one receiving the highest number of votes, if a majority, was declared elected President, the next highest, Vice President. This provision was modified by adoption of the 12th amendment, which was declared ratified by the legislatures of three-fourths of the States in a proclamation of the Secretary of State, Sept. 25, 1804.

Series Y 84-134. Electoral Vote Cast for President, by State and Political Party: 1804 to 1968

[Electoral votes are given for the period following the revision of the method of election in 1804, using these letter symbols for the various political parties: A—American; AJ—Anti-Jackson; AM—Anti-Masonic; C—Coalition; CU—Constitutional Union; D—Democratic; DR—Democratic-Republican; F—Federalist; N—Nullification; NR—National Republican; PP—People's Party; PR—Progressive; R—Republican; SD—Southern Democratic; SR—States' Rights; W—Whig. In the 1824 election, party lines were so indistinct that names of the individual candidates have been used]

Series No.	State	1968	1964	1960	1956	1952	1948	1944	1940	1936	1932	1928	1924	1920	1916	1912	1908
84 85 86	AlabamaAlaskaArizona	10A 3R 5R	10R 3D 5R	1 5D 3R 4R	² 10D	11D 4R	11SR 4D	11D 4D	11D 3D	11D	11D 	12D 3R	12D 3R	12D 3R	12D	12D	11D
87 88	Arkansas California	6A 40R	6D 40D	8D 32R	8D 32R	8D 32R	9D 25D	9D 25D	9D 22D	9D 22D	9D 22D	9D 13R	9D 13R	9D 13R	9D 13D	9D 2D, 11PR	9D 10R
89 90 91 92 93	Colorado Connecticut Delaware District of Columbia Florida	6R 8D 3R 3D 14R	6D 8D 3D 3D 14D	6R 8D 3D 10R	6R 8R 3R 10R	6R 8R 3R	6D 8R 3R	6R 8D 3D 8D	6R 8D 3D	6D 8D 3D	6D 8R 3R	6R 7R 3R 6R	6R 7R 3R 6D	6R 7R 3R	6D 7R 3R 6D	6D 7D 3D	5D 7R 3R 5D
94 95 96 97	Georgia Hawaii Idaho Illinois	12A 4D 4R 26R	12R 4D 4D 26D	12D 3D 4R 27D	12D 4R 27R	12D 4R 27R	12D 4D 28D	12D 4D 28D	12D 4D 29D 14R	12D 4D 29D	12D 4D 29D	14D 4R 29R	14D 4R 29R	14D 4R 29R	14D 4D 29R	14D 4D 29D	13D 3R 27R
98 99 100 101 102 103	Indiana	9R 7R 9R 10A 4D	9D 7D 9D 10R 4D	13R 10R 8R 10R 10D 5R	13R 10R 8R 10R 10R 5R	13R 10R 8R 10D 10D 5R	13R 10D 8R 11D 10SR 5R	13R 10R 8R 11D 10D 5R	11R 9R 11D 10D 5R	14D 11D 9D 11D 10D 5R	14D 9D 11D 10D 5R	15R 13R 10R 13R 10D 6R	15R 13R 10R 13R 10D 6R	15R 13R 10R 13D 10D 6R	15R 13R 10D 13D 10D 6R	15D 13D 10D 13D 10D 6D	15R 13R 10R 13D 9D 6R
104 105 106 107 108	Maryland Massachusetts Michigan Minnesota Mississippi	10D 14D 21D 10D 7A	10D 14D 21D 10D 7R	9D 16D 20D 11D (3)	9R 16R 20R 11R 8D	9R 16R 20R 11R 8D	8R 16D 19R 11D 9SR	8D 16D 19D 11D 9D	8D 17D 19R 11D 9D	8D 17D 19D 11D 9D	8D 17D 19D 11D 9D	8R 18D 15R 12R 10D	8R 18R 15R 12R 10D	8R 18R 15R 12R 10D	8D 18R 15R 12R 10D	8D 18D 15PR 12PR 10D	2R, 6D 16R 14R 11R 10D
109 110 111 112 113	Missouri Montana Nebraska Nevada New Hampshire	12R 4R 5R 3R 4R	12D 4D 5D 3D 4D	13D 4R 6R 3D 4R	13D 4R 6R 3R 4R	13R 4R 6R 3R 4R	15D 4D 6R 3D 4R	15D 4D 6R 3D 4D	15D 4D 7R 3D 4D	15D 4D 7D 3D 4D	15D 4D 7D 3D 4R	18R 4R 8R 3R 4R	18R 4R 8R 3R 4R	18R 4R 8R 3R 4R	18D 4D 8D 3D 4D	18D 4D 8D 3D 4D	18R 3R 8D 3D 4R
114 115 116 117 118	New Jersey New Mexico New York North Carolina North Dakota	17R 4R 43D 12R, 1A 4R	17D 4D 43D 13D 4D	16D 4D 45D 14D 4R	16R 4R 45R 14D 4R	16R 4R 45R 14D 4R	16R 4D 47R 14D 4R	16D 4D 47D 14D 4R	16D 3D 47D 13D 4R	16D 3D 47D 13D 4D	16D 3D 47D 13D 4D	14R 3R 45R 12R 5R	14R 3R 45R 12D 5R	14R 3R 45R 12D 5R	14R 3D 45R 12D 5D	14D 3D 45D 12D 5D	12R 39R 12D 4R
119 129 121 122	OhioOklahomaOregonPennsylvania	26R 8R 6R 29D	26D 8D 6D 29D	25R 47R 6R 32D	25R 8R 6R 32R	25R 8R 6R 32R	25D 10D 6R 35R	25R 10D 6D 35D	26D 11D 5D 36D	26D 11D 5D 36D	26D 11D 5D 36R	24R 10R 5R 38R	24R 10D 5R 38R	24R 10R 5R 38R	24D 10D 5R 38R	24D 10D 5D 38PR	23R 7D 4R 34R
123 124 125 126	Rhode Island South Carolina South Dakota Tennessee	4D 8R 4R 11R	4D 8R 4D 11D	4D 8D 4R 11R	4R 8D 4R 11R	4R 8D 4R 11R	4D 8SR 4R 11D, 1SR	4D 8D 4R 12D	4D 8D 4R 11D	4D 8D 4D 11D	4D 8D 4D 11D	5D 9D 5R 12R	5R 9D 5R 12D	5R 9D 5R 12R	5R 9D 5R 12D	5D. 9D. 5PR 12D	4R 9D 4R 12D
127 128 129 130	Texas	25D 4R 3R 12R	25D 4D 3D 12D	24D 4R 3R 12R	24R 4R 3R 12R	24R 4R 3R 12R	23D 4D 3R 11D	23D 4D 3R 11D	23D 4D 3R 11D	23D 4D 3R 11D	23D 4D 3R 11D	20R 4R 4R 12R	20D 4R 4R 12D	20D 4R 4R 12D	20D 4D 4R 12D	20D 4R 4R 12D	18D 3R 4R 12D
131 132 133 134	Washington West Virginia Wisconsin Wyoming	9D 7D 12R 3R	9D 7D 12D 3D	9R 8D 12R 3R	9R 8R 12R 3R	9R 8D 12R 3R	8D 8D 12D 3D	8D 8D 12R 3R	8D 8D 12D 3D	8D 8D 12D 3D	8D 8D 12D 3D	7R 8R 13R 3R	7R 8R 13PR 3R	7R 8R 13R 3R	7D 7R, 1D 13R 3D	7PR 8D 13D 3D	5R 7R 13R 3R
Series No.	State	1904	190	00	1896 5	1892	188	8	1884	1880	1876	18	372 6	1868	1864	1860	1856
84 87 88 89 90	Alabama Arkansas California Colorado Connecticut	- 9D - 10R		1D 8D 9R 81 4D 6R	11D 8D R, 1D 4D 6R	11D 8D 1R, 8D 4PP 6D	8	D D R R IR	10D 7D 8R 3R 6D	10D 6D 1R, 5D 3R 6R	10E 6E 6F 3F 6E	!	10R 6R 6R	8R 5R 5R 6R	(8) (8) 5R 6R	9SD 4SD 4R	9D 4D 4D 6R
91 93 94 96 97	Delaware Florida. Georgia Idaho. Illinois	- 3R	1	3R 4D 3D 3D 4R	3R 4D 13D 3D 24R	3D 4D 13D 3PP 24D	12	D D D	3D 4D 12D 22R	3D 4D 11D	3E 4F 11E 21F	; ; ;	3R 4R 8D 21R	3D 3R 9D	3D (8) (8) 	3SD 3SD 10SD	3D 3D 10D
98 99 100 101 102	Indiana Iowa Kansas Kentucky Louisiana	- 15R - 13R 10R	1 1 1	5R 3R 0R 3D 3D 8D	15R 13R 10D R, 1D 8D	15D 13R 10PP 13D 8D	18	R IR ID ID	15D 13R 9R 13D 8D	15R 11R 5R 12D 8D	15D 11R 5R 12D 8R		15R 11R 5R 12D	13R 8R 3R 11D 7D	13R 8R 3R 11D (8)	13R 4R 12CU 6SD	13D 4R 12D 6D
103 104 105 106 107	Maine Maryland Massachusetts Michigan Minnesota	1R, 7D	1 1	6R 8R 5R 4R 9R	6R 8R 15R 14R 9R	6R 8D 15R 9R, 5D 9R	14 14 15	R ID IR IR IR	6R 8D 14R 13R 7R	7R 8D 13R 11R 5R	7R 8D 13R 11R 5R		7R 8D 13R 11R 5R	7R 7D 12R 8R 4R	7R 7R 12R 8R 4R	8R 8SD 13R 6R 4R	8R 8A 13R 6R
108 109 110 111 112	Mississippi Missouri Montana Nebraska Nevada	- 3R - 8R	1	9D 7D 3D 8R 3D	9D 17D 3D 8D 3D	9D 17D 3R 8R 3PP	16	D D SR SR	9D 16D 5R 3R	8D 15D 3R 3D	8E 15E 3R 3R) [: 	8R 15D 3R 3R	(7) 11R 3R 3R	(8) 11R 2R	7SD 9D	7D 9D

See footnotes at end of table.

Y 84-134 GOVERNMENT

Series Y 84-134. Electoral Vote Cast for President, by State and Political Party: 1804 to 1968—Con.

[Electoral votes are given for the period following the revision of the method of election in 1804, using these letter symbols for the various political parties: A—American; AJ—Anti-Jackson; AM—Anti-Masonic; C—Coalition; CU—Constitutional Union; D—Democratic; DR—Democratic-Republican; F—Federalist; N—Nullification; NR—National Republican; PP—People's Party; PR—Progressive; R—Republican; SD—Southern Democratic; SR—States' Rights; W—Whig. In the 1824 election, party lines were so indistinct that names of the individual candidates have been used]

Series No.	State	1904	1900	1896 5	1892	1888	1884	1880	1876	1872 6	1868	1864	1860	1856
113 114	New Hampshire New Jersey	4R 12R	4R 10R	4R 10R	4R 10D	4R 9D	4R 9D	5R 9D	5R 9D	5R 9R	5R 7D	5R 7D	5R 4R, 3D	5R 7D
116	New York	(1) (39R	36R	36R	36D	36R	36D	35R	35D	35R	33D	33R	35R	35R
117	North Carolina	` 12D	11D	11D	11D	11D	11D	10D	10D	10R	9R	(8)	10SD	10D
118	North Dakota	4R	3R	3R	(10)									
119	Ohio	23R	23R	23R	22R, 1D	23R	23R	22R	22R	22R	21R	21R	23R	23R
121	Oregon	4R.	4R	4R	3R, 1PP	3R	3R	3R	3R	3R.	3D	3R	3R	
122	Pennsylvania Rhode Island	○ 84R	82R	32R	32R	80R	80R	29R	29R	29R	26R	26R	27R	27D
123 124	South Carolina	4R 9D	4R 9D	4R 9D	4R 9D	4R 9D	4R 9D	4R 7D	4R 7R	4R 7R	4R 6R	4R, (8)	4R 8SD	4R 8D
124	South Carolina	""	35	JD		J J	J.D		110	• • • • • • • • • • • • • • • • • • • •	014	1 (7)	000	0.0
125	South Dakota	4R	4R	4D	4R		100							
126 127	Tennessee	12D 18D	12D 15D	12D 15D	12D 15D	12D 13D	12D 13D	12D 8D	12D 8D	12D 8D	10R (7)	(8) (8)	12CU 4SD	12D 4D
128	l Utah	3R	3R	3D	1015		101						450	
129	Vermont	4R	4R	4R	4R	4R	4R	5R	5R	5R	5R	5R	5R	5R
100	77::_:	100	101	100	100	12D	12D	110	110	110	(7)	(8)	15011	15D
130 131	Virginia Washington West Virginia	12D 5R	12D 4R	12D 4D	12D 4R	121	121	11D	11D	11R	(7)	(8)	15CU	1910
132	West Virginia	7R	6R	6R	6D	6D	6D	5D	5D	5R	5R	5R		
133	Wisconsin	18R	12R	12R	12D	11R	11R	10R	10R	10R	8R	8R	5R	5R
134	Wyoming	3R	3R	3D	3R									
Series	State	1852	1848	1844	1840	1836 11	1832	1828	1824	1820	1816	1812	1808	1804
No.														
84	Alabama	9 D	9D	9 D	7D	7D	7D	5D	5 Jackson	3DR		· 		
87	Arkansas	4D	8D	3D	3D	3D			Jackson				İ	
88	California	4D												
90 91	Connecticut Delaware	6D 3D	6W 3W	6W 3W	8W 3W	8D 3W	8NR 3NR	8NR 3NR	8 Adams (12)	9DR 4DR	9F 13 3F	9C 4C	9F 3F	9F 3F
91	Delaware	الرة	3 W	o w	3 W	ow !	ONK	ONK	()	4DK	~ or	40	or l	or
93	Florida	3D	3W									.		<u></u>
94	Georgia	10D	10W	10D	11W	11W	11D	9D	9 Craw- ford	8DR	8DR	8DR	6DR	6DR
97	Illinois	11D	9D	9D	5D	5D	5D	3D	(14)	3DR		l		
98	Indiana	13D	12D	12D	9W	9W	9 D	5 D	5	3DR	3DR			
99	Iowa	4D	4D			1		İ	Jackson			İ	Ì	
33	10wa													
101	Kentucky	12W	12W	12W	15W	15W	15NR	14D	14 Clay	12DR	12DR	12DR	13 7DR	8DR
102 103	Louisiana	6D 8D	6W 9D	6D 9D	5W 10W	5D 10D	5D 10D	5D 8NR, 1D	9 Adams	3DR 9DR	3DR	3DR		[
104	Maine Maryland	8D	8W	8w	liŏw	10W	16 5NR,	6NR, 5D	(17)	11DR	18 8DR	5C, 6DR	2F, 9DR	2F. 9DR
		40777		4077		4 4 777	3D	1		1		1	Ī -	
105	Massachusetts	13W	12W	12W	14W	14W	14NR	15NR	15 Adams	15DR	22F	22C	19F	19DR
106	Michigan	6D	5D	5D	3W	3D				 				
108	Michigan Mississippi	7D	6D	6D	4W	4D	4D	3D	3	2DR		.		
109	Missouri	9D	7D	7D	4D	4D	4D	3D	Jackson 3 Clay	10 3DR			ļ	
113	Missouri New Hampshire New Jersey	5D	6D	6D	7D	7D	7D	8NR	8 Adams	7DR	8DR	8C 8C	7 F	7DR
114	New Jersey	7D	7W	7W	8W	8W	8D	8NR	8	8DR	8DR	8C	8DR	8DR
					, ,				Jackson	l ·		1		ì
116	New York	(i) 35D	36W	-36D	42W	42D	42D	16NR,	(20)	29DR	29DR	29C	21 13DR	19DR
117	North Carolina	10D	11W	11W	15W	15D	15D	20D 15D	15	15DR	15DR	15DR	3F,	14DR
117	· ·	1 .	11 W	11 W	10 W	1.			Jackson	TODK	TODK	TODK	11DR	14DK
119	OhioPennsylvania	23D	23D	23W	21W	21W	21D	16D 28D	16 Clay	8DR	8DR	13 7DR	3DR	3DR
122	Pennsylvania	27D	26W	26D	80W	30D	30D	28D	28 Jackson	13 24DR	25DR	25DR	20DR	20DR
123	Rhode Island	4D	4W	4W	4W	4D	4NR	4NR	4 Adams	4DR	4DR	4C	4F	4DR
124	South Carolina	8D	9D	9D	11D	11A J	11N	11D	11	11DR .	11DR	11DR	10DR	10DR
126	Tennessee	12W	13W	13W	15W	15W	15D	11D	Jackson 11	13 7DR	8DR	8DR	5DR	5DR
,	Texas	4D	4D			<u> </u>			Jackson					L
127		5W	6W	6W	7W	7W	7AM	7NR	7	8DR	8DR	8DR	6DR	6DR
127 129	Vermont	יייט ן	1 0											
129		1		5:	1		997	. 94D	Adams	95770	25DD	9KDD	94170	24DD
	Virginia	15D 5D	17D 4D	417D	2 23D		23D	24D	Adams 24 Crawford	25DR	25DR	25DR	24DR	24DR

^{1 6} electors voted for Harry F. Byrd.
2 1 elector voted for Walter Jones.
3 8 electors voted for Harry F. Byrd.
4 1 elector voted for Harry F. Byrd.
5 Electors classed here as Democratic were elected in many States on joint Democratic and People's Party fusion tickets.
6 Electoral votes from Arkansas and Louisiana were not counted. Due to the death of Greeley, Democratic electors divided their votes among Hendricks (42), Brown (18), Jenkins (2), and Davis (1).
7 Mississippi, Texas, and Virginia did not participate in the election.
8 Confederate States did not participate in the election.
9 Excludes 3 votes for Greeley, which were not counted.
10 1 each for Republican, Democratic, and People's Party.

¹¹ Whig electors divided their votes among Harrison (73), White (26), and Webster

¹¹ Whig electors divided their votes among Harrison (73), white (20), and were (14).

12 Vote was as follows: 2 for Crawford, 1 for Adams.

13 1 elector did not vote.

14 Vote was as follows: 2 for Jackson, 1 for Adams.

15 Vote was as follows: 3 for Jackson, 2 for Adams.

16 2 electors did not vote.

17 Vote was as follows: 7 for Jackson, 3 for Adams, 1 for Crawford.

18 3 electors did not vote.

19 1 elector voted for John Quincy Adams.

20 Vote was as follows: 26 for Adams, 5 for Crawford, 4 for Clay, 1 for Jackson.

21 6 electors voted for George Clinton.

Series Y 135-186. Popular Vote Cast for President, by State and Political Party: 1836 to 1968
[In thousands. Rep.—Republican; Dem.—Democratic; A.I.—American Independent. Vote listed is normally that of the highest candidate for presidential elector for each party]

Series	State		19	68			1964			1960			1956			1952	
No.	State	Total	Rep.	Dem.	A. I.	Total	Rep.	Dem.	Total	Rep.	Dem.	Total	Rep.	Dem.	Total	Rep.	Dem.
135	United States	73,212	31,785	31,275	9,906	70,645	27,178	43,130	68,838	34,108	34,227	62,034	35,590	26,023	61,551	33,936	27,315
136 137 138 139 140 141 142 143 144	Alabama Alaska Arizona Arkansas California Colorado Connecticut Delaware District of Columbia Florida	1,050 83 487 620 7,252 811 1,256 214 171 2,188	147 38 267 191 3,468 409 557 97 31 887	197 35 171 188 3,244 335 622 89 140 677	691 10 47 241 487 61 77 28 - 624	690 67 481 560 7,058 777 1,219 201 199 1,854	479 23 243 243 2,879 297 391 78 29 906	44 238 314 4,172 476 826 123 170 949	570 61 398 429 6,507 736 1,223 197	238 31 221 185 3,260 402 566 96	331 657 100	497 290 407 5,466 657 1,117 178	196 177 186 3,028 394 712 98	281 113 213 2,420 258 405 79	426 261 405 5,142 630 1,097 174	149 152 177 2,897 380 611 90	275 109 226 2,198 246 482 83
146 147 148 149 150 151 152 153 154	Georgia Hawaii Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana Maine	1,250 236 291 4,620 2,124 1,168 873 1,056 1,097	380 91 165 2,175 1,068 619 479 462 258 169	334 141 89 2,040 807 477 303 398 310 217	536 37 391 248 66 89 198 530 6	1,139 207 292 4,703 2,092 1,185 858 1,046 896 381	617 44 144 1,906 911 449 387 373 509	523 163 149 2,797 1,171 733 464 670 387 262	808	274 92 162 2,369 1,175 722 561 603 231 241	952 551 368	670 273 4,407 1,975 1,235 866 1,054 618 352	223 167 2,623 1,183 729 567 572 329 249	445 1,776 784 502 296 476 244 102	656 276 4,481 1,955 1,269 896 993 652 352	199 181 2,457 1,136 809 616 495 307 232	457 95 2,014 802 452 278 496 845 119
156 157 158 159 160 161 162 163 164	Maryland Massachusetts Michigan Minnesota Mississippi Missouri Montana Nebraska Newada New Hampshire	1,235 2,332 3,306 1,589 655 1,810 274 537 154 297	518 767 1,371 659 89 812 139 321 73	538 1,469 1,593 858, 151 791, 114 171 61, 131	179 87 332 69 415 206 20 45 20	1,116 2,345 3,203 1,554 409 1,818 279 584 135 288	385 550 1,060 560 357 654 113 277 56 104	731 1,786 2,187 991 53 1,164 164 307 79	3,318 1,542 298 1,934 278 613 107	490 977 1,620 758 74 962 142 381 52 158	780 108 972 135 233 55	933 2,349 3,080 1,340 248 1,833 271 577 97 267	560 1,393 1,714 719 61 914 155 378 56 177	373 948 1,360 618 144 918 116 199 41	902 2,383 2,799 1,379 286 1,892 265 610 82 273	499 1,292 1,552 763 113 959 157 422 51	395 1,084 1,231 608 173 930 106 188 32 107
166 167 168 169 170 171 172 173 174	New Jersey New Mexico New York North Carolina North Dakota Oolio Oklahoma Oregon Pennsylvania Rhode Island	2,875 6,792 1,587 248 3,960 943 820 4,748	1,825 170 3,008 627 139 1,791 450 408 2,090	3,378 464 95 1,701 302 359	262 26 359 496 14 467 192 50 379 16		964 133 2,244 625 108 1,471 413 283 1,674	1,868 194 4,913 800 150 2,498 520 501 3,131	311 7,291 1,369 278 4,162 903 776 5,007	1,363 154 3,446 655 154 2,218 533 408 2,440 148	3,830 713 124 1,944 1,944 370 367 2,556	2,484 254 7,096 1,166 254 3,702 859 736 4,577 388	1,607 147 4,346 575 157 2,263 474 406 2,585	850 106 2,748 591 97 1,440 386 329 1,982	2,419 7,128 7,128 1,211 270 3,701 949 695 4,581 414	1,374 132 3,953 558 192 2,100 518 421 2,416 211	1,016 106 3,105 653 77 1,600 431 271 2,146 203
176 177 178 179 180 181 182 183 184 185	South Carolina South Dakota Tennessee Texas Utah Vermont Virginia Washington West Virginia Wisconsin Wyoming	667 281 1,249 3,079 423 161 1,361 1,304 754 1,692	254 150 473 1,228 239 85 590 589 308 810 71	1,267 157 70 442 616 374	215 13 425 584 27 5 322 97 73 128	525 293 1,144 2,627 401 163 1,042 1,259 792 1,692	309 130 509 959 182 55 481 470 254 638 62	216 163 635 1,663 220 108 558 780 538 1,050	306 1,052 2,311 375 167 771 1,242 838 1,729	189 178 557 1,121 205 98 405 629 396 895	481 1,168 169 69 362 599 442	301 294 939 1,955 334 153 698 1,151 831 1,551	76 172 462 1,081 216 110 386 620 449 955 75	136 122 457 860 118 43 268 523 382 587 50	341 294 893 2,076 330 154 620 1,103 874 1,607	168 204 446 1,103 194 110 349 599 420 980 81	173 90 444 969 135 43 269 493 454 622 48
Series			19	48			1944			1940			1936			1932	
No.	State	Total	Rep.	Dem.	States' Rìghts	Total	Rep.	Dem.	Total	Rep.	Dem.	Total	Rep.	Dem.	Total	Rep.	Dem.
135	United States			24,179							27,308						
136 138 139 140 141 142 143 145 146	Alabama Arizona Arizona Arkansas California Colorado Connecticut Delaware Florida Georgia Idaho	177 242 4,022 515 884 139	1,895 240 438 70 194 77	1,913 267 423 68 282 255	171 	3,521 505 832 125 483	1,513 269 391 57 143	149 1,989 234 435 68 339 268	150 200 3,269 549 782 136 485	54 42 1,351 280 361 61 126 24	157 1,878 266 418 75 359 265	691 128 327 293	181 279 54 78 37	70 249 255	219 2,266 457 594 113 275 256	848 190 288 57 69	205 79 190 1,324 251 282 54 206 234 109
149 150 151 152 153 154 155 156 157	Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan	1,038 789 823 416 265	494 423 341 73 150 295 909	808 522 352 467 136 112 287	_2	349 296	876 547 442 392 68 155 293 921	781 500 287 473 282 141 315 1.035	1,215 860 968 372 321 660 2,027	632 489 410 52 164 270 940	874 579 365 557 320 156 385	1,651 1,143 859 923 330 304 625 1,840	1,570 692 488 394 370 37 169 231 769 700	935 622 462 539 293 126 390 943	1,575 1,037 790 983 269 298 511 1,580	1,433 677 414 348 395 19 167 184 737	1,882 862 598 423 581 249 129 314 800 872
159 160 161 162 163 – Re	Minnesota Mississippi Missouri Montana Nebraska presents zero. Z Less the	403	655 97	19 917 119	168 - - -	1,126 180 1,572 207 563	761 93	169 807 113	176 1,834 248	871 100	958 146	1,130 162 1,829 231 608	350 4 698 64 248	157 1,111 160	1,003 146 1,610 216 570	364 5 565 78 201	601 140 1,025 127 359

Y 135–186 GOVERNMENT

Series Y 135-186. Popular Vote Cast for President, by State and Political Party: 1836 to 1968—Con.
[In thousands. Rep.—Republican; Dem.—Democratic. Vote listed is normally that of the highest candidate for presidential elector for each party]

Series				19	48			1944			1940			1936			1932	
No.	State		Total	Rep.	Dem.	States' Rights	Total	Rep.	Dem.	Total	Rep.	Dem.	Total	Rep.	Dem.	Total	Rep.	Dem.
164 165 166 167 168	Nevada New Hampshire New Jersey New Mexico New York		62 231 1,950 187 6,177	29 121 981 80 2,841	31 108 895 105 2,780	(Z) - -	54 230 1,964 152 6,317	25 110 961 71 2,988	30 120 988 81 3,304	53 235 1,974 183 6,302	21 110 945 79 3,027	32 125 1,016 104 3,252	218 218 1,819 169 5,596	12 105 719 62 2,181	32 108 1,084 106 3,293	41 206 1,630 151 4,689	13 104 775 54 1,938	29 101 806 95 2,535
169 170 171 172 173 174 175 176 177 178	North Carolina North Dakota Ohio Oklahoma Oregon Pennsylvania Rhode Island South Carolina South Dakota Tennessee		791 221 2,936 722 524 3,735 328 143 250 550	259 115 1,446 269 261 1,902 136 5 130 203	34	70 (Z) - - - 103 - 74	791 220 3,153 722 480 3,795 299 103 232 511	263 119 1,582 819 225 1,835 123 5 135 200	527 100 1,571 401 249 1,940 175 91 97	823 281 3,320 826 481 4,078 321 100 308 523	214 155 1,587 349 220 1,890 139 2 177 169	182 95 131	889 274 8,012 750 414 4,138 310 115 296 477	223 78 7,128 245 123 1,690 125 2 126 147	164 114 160	712 256 2,610 705 369 2,859 266 104 288 390	208 72 1,228 188 136 1,454 115 2 99 127	498 178 1,302 516 214 1,296 147 102 184 259
179 180 181 182 183 184 185 186	Texas Utah Vermont Virginia Washington West Virginia Wisconsin Wyoming		1,250 276 123 419 905 749 1,277	303 124 76 172 386 316 591 48	201	114 - - 43 - - -	1,144 248 125 388 856 716 1,339	192 98 72 145 362 323 675 52	816 150 54 242 487 898 650 49	1,117 248 143 347 794 868 1,406	212 93 78 109 322 372 679 53	64 236 462 496 705	850 217 144 335 692 830 1,259 103	103 65 81 98 207 325 381 39	150 62 235 460 503 803	856 207 137 298 615 744 1,115	98 85 79 90 209 331 348 40	758 117 56 204 853 405 707 54
Series No.	State		1928			19	24			1920		 	1916			19	12	
	Duace	Total	Rep.	Dem.	Total	Rep.	Dem.	Pro- gressive	Total	Rep.	Dem.	Total	Rep.	Dem.	Total	Rep.	Dem.	Pro- gressive
135	United States	36,812	21,392	15,016	29,086	15,718	8,385	4,831	26,748	16,143	9,130	18,531	8,534	9,128	15,037	3,487	6,297	4,119
136 138 139 140 141 142 143 145 146	Alabama	249 91 202 1,797 892 553 105 254 231	121 53 78 1,162 254 297 69 144 65 100	128 39 123 614 133 252 35 102 130	139 1,282 342 400 90 109 166	43 31 41 733 195 246 52 31 30	113 26 85 106 75 110 33 62 123		234 67 183 943 292 366 95 145 149	75 37 72 625 173 229 53 45 43 89	156 30 106 229 105 121 40 91 106 47	58 168 1,000 294 214 52 81	29 21 47 463 102 107 26 15 11	99 33 112 466 179 100 25 56 128 70	23 124 678 266 190 49 52 121	10 3 24 4 58 68 16 4 6	82 10 69 283 114 75 23 36 94	23 7 22 284 72 34 9 5 21 26
149 150 151 152 153 154 155 156 157	Illinois	8,107 1,421 1,010 713 941 216 262 528 1,578 1,372	1,769 848 624 514 558 61 180 301 776	1,318 563 379 193 381 165 81 224 798 397	1,272 972 662 814 122 192 359 1,180	1,453 703 537 408 397 25 138 162 703 875	577 492 160 156 376 93 42 148 281	432 72 274 98 88 4 11 47 141 122	2,095 1,263 895 570 919 126 198 428 994 1,038	1,420 696 635 369 452 89 136 236 681 756	534 511 228 185 456 88 59 181 277 231	719 515 628 520 93	1,153 341 279 276 242 6 70 117 269 338	950 334 221 314 270 80 64 138 248 284	654 492 865 453 79 130 232 489		405 282 185 144 219 60 51 113 174 150	386 162 162 120 102 9 48 58 142 213
159 160 161 162 163 164 165 166 167	Minnesota Mississippi Missouri Montana Nebraska Nevada New Hampshire New Jersey New Mexico New York	971 152 1,501 194 547 82 197 1,548 118 4,406	115 925 70	616 48	112 1,310 174 464 27 165 1,086	421 8 648 74 219 11 99 675 55	56 100 575 34 137 6 57 298 49 951	84 66 106 10	27 159 904 106	109 248 15 95 611 58	143 69 575 57 120 10 63 257 47	86 787 178 287 33 89 494 67	180 4 369 67 118 12 44 269 31 869	179 80 398 101 159 18 44 211 34 759	64 699 80 249 20 88 434 49	19 54 3 33 89 18	28 109 8 35 179 20	126 4 124 22 73 6 18 146 8
169 170 171 172 173 174 175 176 177	North Carolina North Dakota Ohio Oklahoma Oregon Pennsylvania Rhode Island South Carolina South Dakota Tennessee	635 240 2,508 618 320 3,160 237 69 262 353	131 1,628 394 205 2,055 118 3 158	119 63 103	2,016 528 279 2,145 210 51 204	226 143 1,401 125 1	256 68 409	41 68 308 8 1 75	538 204 2,021 489 239 1,853 168 67 182 428	144 1,218 107 2	305 37 780 218 80 504 55 64 36	115 1,164 292 262 1,297 88 64 129	121 53 514 97 127 704 45 2 64 117	168 55 604 148 120 522 40 62 59 153	1,037 253 137 1,218 78 50 117	278 91 35 273 28 1	30 425 119 47 396 30 48 49	69 26 230 - 38 445 17 1 59 55
179 180 181 182 183 184 185 186	Texas	135 305 501 643 1,017	95 90 165 836 876 544 53	44 140 157 264 450	157 103 224 422 584 841	77 80 73 220 289 312	140 43 257 68	38 6 10 151 37	90 231 399 510 701	87 223 282 499	288 57 21 142 84 221 113	64 154 381 290 447	65 54 40 49 167 143 221 22	287 84 23 103 183 140 192 28	112 63 137 322 264 400	23 23 70 57 131	220 37 15 90 87 113 164	27 24 22 22 114 79 62 9

⁻ Represents zero. Z Less than 500.

Dem. People's

5,183 5,555 1,030

1892

Rep.

Series Y 135-186. Popular Vote Cast for President, by State and Political Party: 1836 to 1968—Con.

[In thousands. Rep.—Republican; Dem.—Democratic. Vote listed is normally that of the highest candidate for presidential elector for each party. Democratic vote in 1896 and 1900 includes a variety of joint elector tickets with the People's Party, and party totals generally include votes cast for the presidential candidate under other designations than that of the party itself]

Dem.

1900

Rep.

Dem.

7,218 6,357 13,907

Total

Total

5,084 13,968

1896

Rep.

7,102

Dem.

Total

6,493 12,061

1904

Rep.

1908

Rep.

14,884 7,675

Dem.

Total

6,412 13,521 7,628

Total

Series No.

135

State

	United States		14,004	7,075	0,412	13,321	7,020	3,004	13,700	7,218	0,357	13,907	7,102	6,493	12,00	1 5,188	0,500	1,030
136 139 140 141 142 143 145 146 148	Alabama Arkansas California Colorado Connecticut Delaware Florida Georgia Idaho Illinois		105 152 387 264 190 48 49 132 98 1,155	26 57 214 124 113 25 11 41 53 630	74 88 127 127 68 22 31 72 36 451	109 117 332 244 191 44 39 130 73 1,076	48	89 100 73 19 27 84 18 328	128 303 221 180 42 40 121 58 1,132	56 45 165 93 103 23 7 34 27 598	97 81 125 123 74 19 28 81 29 503	195 140 299 187 174 32 46 156 30 1,088	56 38 147 26 110 17 11 59 6	130 101 123 159 57 13 31 93 23 465	16 3	8 47 0 118 6 39 5 77 7 18 5	88 118 - 82 19 30 129	12 25 54 4 5 42 11 22
150 151 152 153 154 155 156 157 168 159	Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota		721 495 376 490 76 106 239 457 538 330	349 275 197 235 9 67 117 266 333 196	338 201 161 244 64 35 116 156 175 109	682 486 329 436 54 97 224 445 520 293	369 308 213 205 5 65 109 258 362 217	149 86 217 48 28 109 166 134	530 352 468 68 108 264 415 544	335 308 186 227 14 66 136 239 316 190	310 209 161 235 54 38 122 157 211 113	637 521 336 446 101 118 251 402 546 342	324 289 159 218 22 80 137 279 293 194	306 224 172 218 77 35 105 106 237 140	55 44 82 84 11 11 21 89 46 26	3 220 5 157 1 136 4 26 6 63 3 93 1 203 7 223	196 175 88 48 114 177 202	21 163 24 2 1 3 20
160 161 162 163 164 165 166 168 169	Mississippi Missouri Montana Nebraska Nevada New Hampshire New Jersey New York North Carolina North Dakota		67 716 69 267 25 90 467 1,638 252 95	4 347 32 127 11 53 265 870 115 58	60 347 29 131 11 34 183 667 137 33	59 644 64 226 12 90 432 1,618 208	245 860 82	22 53 4 34 165 684 124	684 64 241 10 92 401 1,548 292	6 314 25 122 4 55 222 822 133 36	51 352 37 114 6 35 165 678 158 21	70 674 53 223 10 84 371 1,424 330 47	5 305 10 103 2 57 221 820 154 26	63 864 42 115 8 21 134 551 175 21	20 1 8 33 1,33 27	22 228 44 19 10 87 1 5 19 46 15 60 17 60	268 7 24 8 1 8 42 8 171 9 655 133	83 7 1 1 16
171 172 173 174 175 176 177 178 179	Ohio Oklahoma Oregon Pennsylvania Rhode Island South Carolina South Dakota Tennessee Texas Utah		1,122 256 111 1,265 72 66 115 257 298 109	572 107 63 746 44 4 68 118 69 61	503 127 38 447 25 62 40 136 218 43	1,004 90 1,237 69 56 101 243 233 102	42 3 72 105 51	17 338 25 53 22 132 167	84 1,173 57 51 96 274 422	544 47 713 34 4 55 123 131 47	475 33 424 20 47 40 145 268 45	1,014 97 1,194 55 66 83 318 539 78	526 49 728 37 7 41 149 163 13	477 45 427 14 59 41 164 369 65	1.00	8 38 3 516 3 2' 1 18 1 38 6 10	14 5 452 7 24 8 55 6 9	27 9 2 27 24
181 182 183 184 185	Vermont Virginia Washington West Virginia Wisconsin		53 137 184 258 454	40 53 106 138 248	11 83 58 111 167	52 131 145 240 443	133	81 28 101	264 108 221	43 116 57 120 266	13 146 45 99 159	64 295 94 202 447	51 135 39 105 268	10 155 52 94 166	5 29 8 17 37	8 37 1 80	164 30 84	12 19 4
186	Wyoming		36	21	15	31	20	- 9		14	10	21	10	100	1		31	8
	Wyoming	Total		Dem.	To	31	884 	Dem.	25 Total			Total	1876	De		7 Total		Dem.
186 Series	Wyoming		1888	Dem.	15 To	31 tal F	884 	9	25	14 1880	Dem.	Total	10 1876 Rep.	De		71 8	1872	8
Series No.	State	Total	36 1888 Rep. 5,44 56 125 77 11 24	Dem. 7 5,538 7 117 0 86 0 33 5 76 7 44 0 100 0 344	15 ¹ To	31 tal F	20 884 Rep.	Dem.	Total	14 ¹ 1880 Rep.	10l Dem. 4,41 96 88 22 100 27	Total 4 8,42 1 17 10 15 4 2 8 4 8 18 8 7 55	10 1876 Rep. 22 4,03 72 66 86 88 88 88 88 88 88 88 88 88 88 88 88 8	10 De	m.	Total	1872 Rep.	Dem.
135 136 139 140 141 142 143 145 146	State United States Alabama Arkansas California Colorado Connecticut Delaware Florida Georgia Illinois	Total 11,383 175 157 250 91 154 30 67 142 748	36 1888 Rep. 5,44 56 122 44 37 266 121 188 155 37 100 188 123 144	Dem. 7 5,538 7 0 86 5 118 0 37 5 10 0 37 10 0 34 3 26 3 10 3 10 3 10 3 10 3 10 3 10 3 10 3 10	To:	31 tal F ,053 154 126 197 64 137 30 60 143 673	884 Rep. 59 51 102 36 66 13 28 48 337	93 73 89 28 67 17 32 94 312	Total 9,217 152 109 164 54 133 29 52 157 622	14 ¹ 1880 Rep. 4,453 56 42 80 28 67 14 24 54 818	10l Dem. 4,41 96 88 22 66 11 27 22 10 66	Total 4 8,42 1 170 10 5 155 124 3 184 3 186 6 299 6 43 9 266 121 9 265 145 111	10 1876 Rep. 22 4,03 22 4,03 22 44 88 81 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10 De	m. ,284 103 58 76 62 13 24 130 259	Total 6,460 170 79 96 22 33 143 430	1872 Rep. 3,597 90 41 54 50 11 18 63 242	Dem. 2,843 79 38 41 10 15 76 185
Series No. 135 136 139 140 141 142 143 145 146 149 150 151 152 153 154 155 156 157 158	United States United States Alabama Arkansas California Colorado Connecticut Delaware Florida Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota	Total 11,383 175 157 250 91 154 30 67 142 748 537 4004 331 344 116 128 211 345 475	36 1888 Rep. 5,44 56 12 44 37 26 21 18 15 3 3 7 7 10 12 23 14 24 23 14 44 45 65 13 41 41 43 41 43 41 43 44 44 44 45 46 46 46 47 47 48 48 48 48 48 48 48 48 48 48 48 48 48	Dem. 7	To' To' 3 10 7 7 7 8 8 10 8 10	31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 884 Lep. 4,850 59 51 102 36 66 13 28 337 239 197 154 118 46 72 86 147 193 112	Dem. 4,880 93 73 89 28 67 17 32 94 312 245 178 90 153 63 63 62	Total 9,217 152 109 164 133 29 52 471 323 201 267 102 471 323 301 144 173 283 353 151	14 ¹ 1880 Rep. 4,453 566 42 80 288 67 14 24 54 8188 232 184 122 106	10l Dem. 4,41 9 6 88 22 66 11 20 27 222 10 66 6 9 111 5 7 200 2 11 2 20 3 4 4 2 2	Total 4 8,42 1 1 17 11 0 5 5	10 1876 Rep. 22 4,03 22 4,05 23 4 66 24 13 14 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	De De 337 4 59 39 79 59 124 51 77 77 74 78 78 75 56 72 56 77 76 57	7,284 103 58 76	Total 6,460 170 79 96 22 33 143 430 350 205 100 189 129 91 135 135 222 922	1872 Rep. 3,597 90 41 54 50 11 18 63 2442 186 132 67 89 72 61 67	Dem. 2,843 79 38 41 10 15 76 185 164 71 33 100 57

Represents zero.

Y 135–185 GOVERNMENT

Series Y 135-186. Popular Vote Cast for President, by State and Political Party, by States: 1836 to 1956—Con.
[In thousands. Rep.—Republican; Dem.—Democratic. Vote listed is normally that of the highest candidate for presidential elector for each party]

			1868			1864				1860				18	56	
Series No.	State	Total	Rep.	Dem.	Total	Rep.	Dem.	Total	Rep.	Dem.	South- ern Dem.	Consti- tutional Union	Total	Rep.	Dem.	Amer- ican
135	United States	5,720	3,013	2,707	4,011	2,207	1,804	4,690	1,866	1,383	848	593	4,045	1,340	1,833	872
136 139 140 142 143	AlabamaArkansasCaliforniaConnecticutDela ware	149 41 109 99 19	76 22 55 51 8	72 19 54 48 11	106 87 17	62 45 8	44 42 9	90 54 120 80 16	39 43 4	14 5 38 17 1	49 29 34 16 7	28 20 9 3 4	75 33 110 81 14	21 43	47 22 53 35 8	29 11 36 8 6
145 146 149 150 151	Florida	160 448 344 194	57 250 177 120	108 198 167 74	348 280 135	190 150 86	159 130 48	13 107 337 272 128	171 139 70	12 158 116 55	8 52 2 12 1	5 43 5 5 2	11 99 239 235 90	96 94 44	6 57 106 119 36	38 22
152 153 154 155 156	Kansas Kentucky Louisiana Maine Maryland	44 155 114 113 98	30 39 33 70 30	14 116 80 42 62	21 90 109 70	17 27 64 37	45 32	146 51 101 93	1 63 2		53 23 6 42		43 110	67	70 22 39 39	3
157 158 159 160 161	Massachusetts Michigan Minnesots Mississippi Missouri	196 226 72 152	136 129 44 87	59 97 28 66	175 160 42 104	127 89 25 73	49 72 17 31	169 155 35 69 165	107 88 22 17	12 4	6 1 1 40 31	22 25 58	126 59	108 72	39 52 34 58	2 24
163 164 165 166 168	Nebraska Nevada New Hampshire New Jersey New York	15 12 68 163 850	10 6 38 80 420	6 5 31 83 4 30	16 69 129 731	10 36 61 369	7 33 68 362	66 121 677	38 58 363		2		70 100 597	87 28 276	32 47 196	24
169 171 173 174 175 176	North Carolina Ohio Oregon Pennsylvania Rhode Island South Carolina	181 519 22 656 20 108	97 280 11 342 13 62	85 239 11 314 6 45	471 18 574 23	266 10 296 14	206 8 277 9	96 443 14 476 20	232 5 268 12	3 187 3 17 8	49 11 5 179	45 12 13	386	187 148 11	48 171 231 7	37 28 82 2
178 179 181 182 184 185	Tennessee Texas Vermont Virginia West Virginia Wisconsin	82 56 49 194	57 44 29 109	25 12 20 85	56 84 145	42 23 80	13 10 63	144 63 45 167	34 2		64 48 74	69 15 2 74	48 51	40	74 82 11 90	66 16 1 60
	04-4-		1852			1848			1844			1840			1836	
Series No.	State	Total	Whig	Dem.	Total	Whig	Dem.	Total	Whig	Dem.	Total	Whig	Dem.	Total	Whig	Dem.
135	United States	3,162	1,385	1,601	2,879	1,361	1,222	2,701	1,300	1,338	2,412	1,275	1,128	1,505	740	765
136 139 140 142 143	Alabama Arkansas California Connecticut Delaware	44 20 77 67 13	15 7 36 30 6	27 12 41 33 6	62 17 62 12	30 8 30 6	31 9 27 6	63 15 65 12	26 6 33 6		63 12 57 11	29 5 32 6	7	37 4 38 9	17 1 19 5	2
145 146 149 150 151	Florida Georgia Illinois Indiana Iowa	7 62 155 184 35	3 17 65 81 16	4 35 80 95 18	7 92 125 153 22	4 48 53 70 10	3 45 56 75 11	86 108 140	42 46 68	44 59 70	72 93 117	40 46 65	47	47 33 74	24 15 41	23 18 32
153 154 155 156 157	Kentucky Louisiana Maine Maryland Massachusetts	111 36 82 75 125	57 17 33 35 53	54 19 42 40 45	115 34 87 72 134	67 18 35 38 61	49. 15 40 34 35	27	61 13 34 36 68	46 33	91 19 93 62 126	59 11 47 34 78	8 46 29	69 7 38 48 78	4 15	4 23 22
158 160 161 165 166	Michigan Mississippi Missouri New Hampshire New Jersey	83 45 69 51 84	34 18 30 15 39	42 27 39 29 44	65 52 73 50 78	24 26 33 15 40	31 27 40 28 37	56 46 73 49 76	24 20 31 18 38	41 27	44 87 58 59 64	28 20 23 26 33	21 17 30 33 31	12 20 18 25 52	6 10 7 6 26	11 19
168 169 171 174 175	New York North Carolina Ohio Pennsylvania Rhode Island	525 79 853 386 17	235 39 153 179 8	268 40 169 199 9	456 80 829 869 11	219 44 189 185 7	114 36 155 173 4	486 82 312 831 12	232 43 155 160 7	288 39 149 167 5	442 79 273 288 9	226 46 148 144 5	34 124 144	306 50 203 179 6	139 24 106 87 3	167 27 97 91 3
178 179 181 182 185	Tennessee Texas Vermont Virginia Wisconsin	115 20 44 133 62	59 5 22 59 21	57 15 13 74 32	122 17 48 92 89	64 5 23 45 14	58 12 11 47 15	120 49 96	60 27 45	18	108 51 86	60 32 43	18	62 35 54	36 21 23	26 14 30

Series Y 187-188. Costs of Presidential General Elections: 1860 to 1968

Year	Republicans	Democrats	Year	Republicans	Democrats
	187	188		187	188
1968 ¹ 1964	\$25,402,000 16,026,000 10,128,000 7,778,702 6,608,623 2,127,296 2,828,652 3,451,310 8,892,972 2,900,052 6,256,111 4,020,478 5,417,501 2,441,565	\$11,594,000 8,757,000 9,797,000 5,106,651 5,032,926 2,736,334 2,169,077 2,783,654 5,194,741 2,245,975 5,342,350 1,470,371 2,284,590	1912 4 1908	\$1,071,549 1,665,518 2,096,000 3,000,000 3,350,000 1,700,000 1,350,000 1,300,000 1,100,000 250,000 150,000 125,000 100,000	\$1,134,848 629,341 700,000 425,000 675,000 2,350,000 855,000 900,000 50,000 50,000 50,000 50,000

¹ American Independent Party, with George Wallace as candidate, spent \$7,223,000.
² Progressive Party, with Henry Wallace as candidate, spent \$1,133,863; States' Rights, with Strom Thurmond as candidate, spent \$163,442.

Series Y 189-198. Congressional Bills, Acts, and Resolutions: 1789 to 1970

[Excludes simple and concurrent resolutions]

		Mea	sures introd	uced			М	easures pass	ed		
		-					Public			Private	
Period of session	Congress	Total	Bills	Joint resolutions	Total	Total	Acts	Resolu- tions 1	Total	Acts	Resolu- tions 1
		189	190	191	192	193	194	195	196	197	198
Jan. 1969-Jan. 1971 Jan. 1967-Oct. 1968 Jan. 1965-Oct. 1966 Jan. 1963-Oct. 1964 Jan. 1961-Oct. 1962	91st 90th 89th 88th 87th	26,303 26,460 24,003 17,480 18,376	24,631 24,786 22,483 16,079 17,230	1,672 1,674 1,520 1,401 1,146	941 1,002 1,283 1,026 1,569	695 640 810 666 885	695 640 810 666 885		246 362 473 360 684	246 362 473 360 684	
Jan. 1959-Sept. 1960 Jan. 1957-Aug. 1958 Jan. 1955-July 1956 Jan. 1953-Dec. 1954 Jan. 1951-July 1952	86th 85th 84th 83d	18,261 19,112 17,687 14,952 12,730	17,230 18,205 16,782 14,181 12,062	1,031 907 905 771 668	1,292 1,720 1,921 1,783 1,617	800 936 1,028 781 594	800 936 1,028 781 594		492 784 893 1,002 1,023	492 784 893 1,002 1,023	
Jan. 1949—Jan. 1951 Jan. 1947—Dec. 1948. Jan. 1945—Aug. 1946 Jan. 1943—Dec. 1944 Jan. 1941—Dec. 1942		14,988 10,797 10,330 8,334 11,334	14,219 10,108 9,748 7,845 10,793	769 689 582 489 541	2,024 1,363 1,625 1,157 1,485	921 906 733 568 850	921 906 733 568 850		1,103 457 892 589 635	1,103 457 892 589 635	
Jan. 1939—Jan. 1941 Jan. 1937—June 1938 Jan. 1935—June 1936 Mar. 1933—June 1934 Dec. 1931—Mar. 1933	76th 75th 74th 73d 72d	16,105 16,156 18,754 14,370 21,382	15,174 15,120 17,819 13,774 20,501	931 1,036 935 596 881	1,662 1,759 1,724 975 843	1,005 919 987 539 516	894 788 851 486 442	111 131 136 53 74	657 840 737 436 327	651 835 730 434 326	6 5 7 2 1
Apr. 1929-Mar. 1931 Dec. 1927-Mar. 1929 Dec. 1925-Mar. 1927 Dec. 1923-Mar. 1925 Apr. 1921-Mar. 1923	71st 70th 69th 68th 67th	24,453 23,897 23,799 17,462 19,889	23,652 23,238 23,250 16,884 19,133	801 659 549 578 756	1,522 1,722 1,423 996 930	1,009 1,145 879 707 654	869 1,037 808 632 549	140 108 71 75 105	513 577 544 289 276	512 568 537 286 275	1 9 7 3 1
May 1919-Mar. 1921 May 1917-Dec. 1919 Dec. 1915-Mar. 1917 Mar. 1913-Mar. 1915 Apr. 1911-Mar. 1913	66th 65th 64th 63d 62d	21,967 22,594 30,052 30,053 38,032	21,222 21,919 29,438 29,367 37,459	745 675 614 686 573	594 453 684 700 716	470 405 458 417 530	401 349 400 342 457	6 9 56 58 75 73	124 48 226 283 186	120 48 221 271 180	4 5 12 6
Mar. 1909—Mar. 1911 Dec. 1907—Mar. 1909 Mar. 1905—Mar. 1907 Mar. 1903—Mar. 1905 Mar. 1901—Mar. 1903	61st 60th 59th 58th 57th	44,363 38,388 34,879 26,851 25,460	43,921 37,981 34,524 26,504 25,007	442 407 355 347 453	884 646 7,024 4,041 2,790	595 411 775 575 480	526 350 692 502 423	69 61 83 73 57	289 235 6,249 3,466 2,310	286 234 6,248 3,465 2,309	3 1 1 1 1
Dec. 1899—Mar. 1901 Mar. 1897—Mar. 1899 Dec. 1895—Mar. 1897 Mar. 1893—Mar. 1895 Dec. 1891—Mar. 1893	56th 55th 54th 53d 52d	20,893 18,463 14,585 12,226 14,893	20,409 17,817 14,114 11,796 14,518	484 646 471 430 375	1,942 1,437 948 711 722	443 552 434 463 398	383 449 356 374 347	60 103 78 89 51	1,499 885 514 248 324	1,498 880 504 235 318	1 5 10 13 6
Mar. 1889—Mar. 1891 Dec. 1887—Mar. 1889 Mar. 1885—Mar. 1887 Dec. 1883—Mar. 1885 Mar. 1881—Mar. 1883	51st 50th 49th 48th 47th	19,630 17,078 15,002 11,443 10,704	19,163 16,664 14,618 10,961 10,194	467 414 384 482 510	2,251 1,824 1,452 969 761	611 570 424 284 419	531 508 367 219 330	80 62 57 65 89	1,640 1,254 1,028 685 342	1,633 1,246 1,025 678 317	7 8 3 7 25
Mar. 1879-Mar. 1881 Mar. 1877-Mar. 1879 Mar. 1875-Mar. 1877 Mar. 1873-Mar. 1875 Mar. 1873-Mar. 1875	46th	10,067 8,735 6,230 6,434 5,943	9,481 8,413 6,001 6,252 5,725	586 322 229 182 218	650 746 580 859 1,012	372 303 278 415 531	288 255 251 392 515	84 48 27 23 16	278 443 302 444 481	250 430 292 441 479	28 13 10 3 2

See footnote at end of table.

Progressive Party, with R. M. LaFollette as candidate, spent \$236,963.
 Progressive Party, with T. Roosevelt as candidate, spent \$665,420.

Series Y 189-198. Congressional Bills, Acts, and Resolutions: 1789 to 1970—Con.

		Mea	sures introd	uced			M	easures pass	ed		
							Public			Private	
Period of session	Congress	Total	Bills	Joint resolutions	Total	Total	Acts	Resolu- tions 1	Total	Acts	Resolu- tions ¹
		189	190	191	192	193	194	195	196	197	198
Mar. 1869–Mar. 1871 Apr. 1867–Mar. 1869 Mar. 1865–Mar. 1867 Mar. 1868–Mar. 1865 Mar. 1861–Mar. 1863	41st 40th 39th 38th 37th	5,314 3,723 2,348 1,708 1,661	4,466 3,003 1,864 1,402 1,370	848 720 484 306 291	769 765 714 515 521	470 354 427 411 428	313 226 306 318 335	157 128 121 93 93	299 411 287 104 93	285 380 228 79 66	64 31 59 25 27
Mar, 1859–Mar, 1861 Mar, 1867–Mar, 1859 Dec, 1855–Mar, 1857 Mar, 1853–Mar, 1855 Mar, 1851–Mar, 1858	36th 35th 34th 33d 32d	1,746 1,686 1,608 1,660 1,167	1,595 1,544 1,515 1,552 1,011	151 142 93 108 156	370 312 433 540 306	157 129 157 188 137	131 100 127 161 113	26 29 30 27 24	213 183 276 352 169	192 174 265 329 156	21 9 11 23 13
Mar. 1849–Mar. 1851 Dec. 1847–Mar. 1849 Mar. 1845–Mar. 1847 Dec. 1843–Mar. 1845 Mar. 1841–Mar. 1843	31st 30th 29th 28th 27th	1,080 1,433 1,051 1,085 1,210	978 1,305 956 979 1,146	102 128 95 106 64	167 446 303 279 524	109 176 142 142 201	88 142 117 115 178	21 34 25 27 23	58 270 161 137 323	51 254 146 131 317	7 16 15 6 6
Dec. 1839–Mar. 1841 Mar. 1837–Mar. 1839 Dec. 1835–Mar. 1837 Dec. 1833–Mar. 1835 Dec. 1831–Mar. 1833	26th 25th 24th 23d 22d	1,122 1,631 1,107 993 1,000	1,081 1,566 1,055 946 976	41 65 52 47 24	147 532 459 390 462	55 150 144 128 191	50 138 130 121 175	5 12 14 7 16	92 382 315 262 271	90 376 314 262 270	2 6 1 1
Mar. 1829–Mar. 1831 Dec. 1827–Mar. 1829 Mar. 1825–Mar. 1827 Dec. 1823–Mar. 1825 Dec. 1821–Mar. 1823	21st 20th 19th 18th 17th	856 632 622 498 492	842 612 609 481 492	14 20 13 17	369 235 266 335 238	152 134 153 141 136	143 126 147 137 130	9 8 6 4 6	217 101 113 194 102	217 100 113 194 102	1
Dec. 1819–Mar. 1821 Mar. 1817–Mar. 1819 Dec. 1815–Mar. 1817 Mar. 1813–Mar. 1815 Mar. 1811–Mar. 1818	16th 15th 14th 13th	480 507 465 400 406	480 507 465 400 406		208 257 298 273 209	117 156 178 185 170	109 136 163 167 163	8 20 10 18 7	91 101 125 88 39	91 101 124 88 39	1
Mar. 1809-Mar. 1811 Oct. 1807-Mar. 1809 Mar. 1805-Mar. 1807 Oct. 1803-Mar. 1805 Mar. 1801-Mar. 1803	11th 10th 9th 8th 7th	348 266 219 217 161	348 266 219 217 161		119 105 106 111 95	94 88 90 93 80	91 87 88 90 78	3 1 2 3 2	25 17 16 18 15	25 17 16 18 15	
Dec. 1799—Mar. 1801 Mar. 1797—Mar. 1799 June 1795—Mar. 1797 Mar. 1793—Mar. 1795 Mar. 1791—Mar. 1793 Mar. 1789—Mar. 1791	6th 5th 4th 3d 2d 1st	157 234 132 122 105 144	157 234 132 122 105 144		112 155 85 127 77 118	100 137 75 103 65 108	94 135 72 94 64 94	6 2 3 9 1 14	12 18 10 24 12 10	12 18 10 24 12 8	2

 $^{^{\}rm 1}$ Public and private resolutions are carried only as public and private laws beginning with the 77th Congress.

Series Y 199-203. Congressional Bills Vetoed: 1789 to 1970

		7	Vetoed bill	s	Vetoes	Billa			,	Vetoed bill	s	Vetoes	Bills
Period	President	Total	Regular	Pocket	sus-	passed over veto	Period	President	Total	Regular	Pocket	sus- tained	passed over veto
		199	200	201	202	203			199	200	201	202	203
1969-1970 1963-1969 1961-1963 1953-1961 1945-1953	Nixon L. Johnson Kennedy Eisenhower Truman	11 30 21 181 2 50	7 16 12 73 180	14 14 9 108 70	9 30 21 179 238	2 2 12	1869-1877 1865-1869 1861-1865 1857-1861 1853-1857	GrantA. JohnsonLincolnBuchananPierce	93 29 6 7 9	45 21 2 4 9	48 8 4 3	89 14 6 7 4	4 15
1933-1945 1929-1933 1928-1929 1921-1923 1913-1921	F. Roosevelt Hoover Coolidge Harding Wilson	635 37 50 6 44	372 21 20 5 33	263 16 30 1 11	626 34 46 6 38	9 8 4 6	1850-1853 1849-1850 1845-1849 1841-1845 1841	Fillmore Taylor Polk Tyler W. H. Harrison	3	2 6	1 4	3 9	1
1909-1913 1901-1909 1897-1901 1893-1897 1889-1893	Taft	39 82 42 170 44	30 42 6 42 19	9 40 36 128 25	38 81 42 165 43	1 1 5 1	1837-1841 1829-1837 1825-1829 1817-1825 1809-1817	Van Buren Jackson John Q. Adams Monroe Madison	$ \begin{array}{c} 1\\12\\$	5 1 5	1 7 2	1 12 1 7	
1885-1889 1881-1885 1881 1877-1881	G. Cleveland Arthur Garfield Hayes	414 12 13	304 4 12	110 8 1	412 11 12	2 1 1	1801-1809 1797-1801 1789-1797	Jefferson John Adams Washington		2		2	

Series Y 204-210. Political Party Affiliations in Congress and the Presidency: 1789 to 1970
[Letter symbols for political parties: Ad—"Administration"; AM—Anti-Masonic; C—Coalition; D—Democratic; DR Democratic-Republican; F—Federalist; J.—Jacksonian; NR—National Republican; Op—"Opposition"; R—Republican; U—Unionist; W—Whig. Figures are for the beginning of the first session of each Congress]

NR—National Republican; Op—"Opposition	, 10 100pu	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	House	lang.		Senate		een congress;
Year	Congress	Majority party	Principal minority party	Other (except vacancies)	Majority party	Principal minority party	Other (except vacancies)	$\mathbf{President}$
		204	205	206	207	208	209	210
1969–1970 1967–1968 1965–1966 1963–1964 1961–1962	91st 90th 89th 88th	D-245 D-246 D-295 D-258 D-263	R-189 R-187 R-140 R-177		D-57 D-64 D-68 D-67	R-43 R-36 R-32 R-33 R-35		R (Nixon) D (L. Johnson) D (L. Johnson) D (L. Johnson) D (Kennedy) D (Kennedy)
1959-1960 ¹ 1957-1958 1955-1956 1953-1954 1953-1954	86th 85th 84th 83d 82d	D-283 D-233 D-232 R-221 D-234	R-153 R-200 R-203 D-211 R-199	1 1	D-64 D-49 D-48 R-48 D-49	R-34 R-47 R-47 D-47 R-47	1 1	R (Eisenhower) R (Eisenhower) R (Eisenhower) R (Eisenhower) D (Truman)
1949-1950 1947-1948 1945-1946 1943-1944 1941-1942	81st 80th 79th 78th 77th	D-263 R-245 D-242 D-218 D-268	R-171 D-188 R-190 R-208 R-162	1 1 2 4 5	D-54 R-51 D-56 D-58 D-66	R-42 D-45 R-38 R-37 R-28	1 1 2	D (Truman) D (Truman) D (Truman) D (Truman) D (F. Roosevelt) D (F. Roosevelt)
1939-1940 1937-1938 1936-1936 1933-1934 1931-1933	76th	D-261 D-331 D-319 D-310 D-220	R-164 R-89 R-103 R-117 R-214	4 13 10 5 1	D-69 D-76 D-69 D-60 R-48	R-23 R-16 R-25 R-35 D-47	4 4 2 1 1	D (F. Roosevelt) D (F. Roosevelt) D (F. Roosevelt) D (F. Roosevelt) R (Hoover)
1929-1931 1927-1929 1925-1927 1923-1925 1921-1923	71st 70th 69th 68th 67th	R-267 R-237 R-247 R-225 R-301	D-167 D-195 D-183 D-205 D-131	1 8 4 5 1	R-56 R-49 R-56 R-51 R-59	D-39 D-46 D-39 D-43 D-37	1 1 2 2	R (Hoover) R (Coolidge) R (Coolidge) R (Coolidge) R (Harding)
1919-1921 1917-1919 1916-1917 1913-1915 1911-1913	66th 65th 64th 63d 62d	R-240 D-216 D-230 D-291 D-228	D-190 R-210 R-196 R-127 R-161	3 6 9 17 1	R-49 D-53 D-56 D-51 R-51	D-47 R-42 R-40 R-44 D-41	1	D (Wilson) D (Wilson) D (Wilson) D (Wilson) R (Taft)
1909-1911 1907-1909 1905-1907 1903-1905 1901-1903	61st 60th 59th 58th 57th	R-219 R-222 R-250 R-208 R-197	D-172 D-164 D-186 D-178 D-151	9	R-61 R-61 R-57 R-57 R-55	D-32 D-31 D-33 D-33 D-31	4	R (Taft) R (T. Roosevelt) R (T. Roosevelt) R (T. Roosevelt) R (T. Roosevelt) R (T. Roosevelt) R (McKinley)
1899-1901 1897-1899 1895-1897 1893-1895 1891-1893	56th 55th 54th 53d 52d	R-185 R-204 R-244 D-218 D-235	D-163 D-113 D-105 R-127 R-88	9 40 7 11 9	R-53 R-47 R-43 D-44 R-47	D-26 D-34 D-39 R-38 D-39	8 7 6 3 2	R (McKinley) R (McKinley) D (Cleveland) D (Cleveland) R (B. Harrison)
1889-1891 1887-1889 1886-1887 1883-1885 1881-1883	51st 50th 49th 48th 47th	R-166 D-169 D-183 D-197 R-147	D-159 R-152 R-140 R-118 D-135	4 2 10 11	R-39 R-39 R-43 R-38 R-37	D-37 D-37 D-34 D-36 D-37	2 1	R (B. Harrison) D (Cleveland) D (Cleveland) R (Arthur) R (Arthur) R (Garfield)
1879–1881 1877–1879 1875–1877 1873–1875 1871–1873	46th 45th 44th 43d 42d	D-149 D-153 D-169 R-194 R-134	R-130 R-140 R-109 D-92 D-104	14 14 14 5	D-42 R-39 R-45 R-49 R-52	R-33 D-36 D-29 D-19 D-17	1 1 2 5 5	R (Hayes) R (Hayes) R (Grant) R (Grant) R (Grant)
1869-1871 1867-1869 1865-1867 1863-1865 1861-1863	41st 40th 39th 38th 37th	R-149 R-143 U-149 R-102 R-105	D-63 D-49 D-42 D-75 D-43	9 30	R-56 R-42 U-42 R-36 R-31	D-11 D-11 D-10 D-9 D-10	5 8	R (Grant) R (A. Johnson) R (A. Johnson) R (Lincoln) R (Lincoln) R (Lincoln)
1859–1861 1857–1859 1856–1857 1853–1855 1851–1853	36th 35th 34th 33d	R-114 D-118 R-108 D-159 D-140	D-92 R-92 D-83 W-71 W-88	31 26 43 4 5	D-36 D-36 D-40 D-38 D-35	R-26 R-20 R-15 W-22 W-24	4 8 5 2 3	D (Buchanan) D (Buchanan) D (Pierce) D (Pierce) W (Fillmore)
1849–1851 1847–1849 1845–1847 1843–1845 1841–1848	31st 30th 29th 28th 27th	D-112 W-115 D-143 D-142 W-133	W-109 D-108 W-77 W-79 D-102	9 4 6 1 6	D-35 D-36 D-31 W-28 W-28	W-25 W-21 W-25 D-25 D-22	2 1 1 2	W (Fillmore) W (Taylor) D (Polk) D (Polk) W (Tyler) W (Tyler) W (W. Harrison)
1839-1841 1837-1839 1835-1837 1833-1835 1831-1833	24th	D-124 D-108 D-145 D-147 D-141	W-118 W-107 W-98 AM-53 NR-58	24 60 14	D-28 D-30 D-27 D-20 D-25	W-22 W-18 W-25 NR-20 NR-21	4 8 2	D (Van Buren) D (Van Buren) D (Jackson) D (Jackson) D (Jackson)
1829–1831 1827–1829 1825–1827 1823–1825 1821–1823	20th 19th 18th	D-139 J-119 Ad-105 DR-187 DR-158	NR-74 Ad-94 J-97 F-26 F-25		D-26 J-28 Ad-26 DR-44 DR-44	NR-22 Ad-20 J-20 F-4 F-4		D (Jackson) C (John Q. Adams) C (John Q. Adams) DR (Monroe) DR (Monroe)

See footnote at end of table.

Series Y 204-210. Political Party Affiliations in Congress and the Presidency: 1789 to 1970—Con.

"Administration"; AM—Anti-Masonic; C—Coalition; D—Democratic; DR—Democratic-Republican; F—Federalist; J—Jacksonian; NR—National Republican; Op—"Opposition"; R—Republican; U—Unionist; W—Whig] [Letter symbols for political parties: Ad-

		Но	use	Sea	1ate	
Year	Congress	Major party	Principal minority party	Major party	Principal minority party	President
		204	205	207	208	210
1819-1821 1817-1819 1815-1817 1813-1815 1811-1813 1809-1811 1807-1809 1805-1807 1803-1805 1801-1803 1799-1801 1797-1799 1795-1797 1793-1795 1791-1783 1799-1791	16th	DR-156 DR-141 DR-141 DR-117 DR-108 DR-94 DR-118 DR-116 DR-102 DR-69 F-64 F-58 F-54 DR-57 F-37 Ad-38	F-27 F-42 F-65 F-68 F-36 F-48 F-24 F-25 F-39 DR-42 DR-42 DR-52 F-48 DR-52 F-48	DR-35 DR-34 DR-25 DR-27 DR-30 DR-28 DR-28 DR-27 DR-25 DR-18 F-19 F-19 F-17 F-16 Ad-17	F-7 F-10 F-11 F-9 F-6 F-6 F-6 F-7 F-9 F-13 DR-13 DR-13 DR-13 DR-13	DR (Monroe) DR (Monroe) DR (Madison) DR (Madison) DR (Madison) DR (Jefferson) DR (Jefferson) DR (Jefferson) DR (Jefferson) F (John Adams) F (John Adams) F (Washington) F (Washington) F (Washington) F (Washington) F (Washington)

¹ Excludes Hawaii; 2 Senators (1-R, 1-D) and 1 Representative (D) seated August 1959.

Series Y 211-214. Vote Cast for Representatives, by Political Party: 1896 to 1970 [In thousands]

Year	Total	Republican	Democratic	Other	Year	Total	Republican	Democratic	Other
	211	212 213		214		211	212	213	214
1970	54,173 66,285 58,143 67,154 50,634	24,415 32,142 25,635 28,288 24,021	28,928 93,244 27,044 38,549 26,467	835 900 463 317 146	1932 1980 1928 1926 1924	87,657 24,777 33,906 20,435 26,884	15,575 18,032 19,163 11,643 14,932	20,540 11,044 14,361 8,284 10,854	1,542 701 382 508 1,098
1960	63,110 44,984 58,610 42,749 57,723	28,625 19,565 28,533 20,095 28,470	34,222 25,306 29,951 22,453 28,715	268 112 126 200 588	1922	20,409 25,214 12,579 16,140 13,275	10,548 14,778 6,600 7,810 5,650	9,131 9,088 5,421 7,468 5,727	730 1,403 558 862 1,898
1950	40,342 45,933 34,398 45,103 28,074	19,750 20,920 18,400 21,303 14,203	19,785 23,820 15,221 22,808 12,934	807 1,198 777 992 987	1912	13,517 11,669 14,021 10,552 12,697	4,602 5,427 6,975 5,350 6,837	6,128 5,536 6,466 4,659 5,298	2,787 706 580 548 562
1940	46,951 36,236 42,886 32,256	21,398 17,047 17,003 13,558	24,092 17,612 28,944 17,885	1,466 1,577 1,939 1,313	1902 1900 1898 1896	10,654 13,626 11,518 14,652	5,250 6,973 5,258 6,845	4,980 6,086 5,378 6,339	424 567 882 1,468

Series Y 215-219. Apportionment of Representatives Among the States: 1790 to 1970

		Popula-		Apportion	nent act	Apportion-			Popula-		Apportion	nent act	Apportion-
Year	Congress	tion base ¹ (1,000)	base 1 (1,000) Number of Representatives 2 Date of act lation per Representatives 2		Congress	tion base ¹ (1,000)	Number of States	Number of Repre- senta- tives ²	Date of act	ment popu- lation per Represen- tative			
		215	216	217	218	219			215	216	217	218	219
1970 1960 1950 1940 1930	93d 88th-92d 83d-87th 78th-82d 73d-77th	204,053 178,559 149,895 131,006 122,098	50 50 48 48 48	435 435 435 435 435	Nov. 15, 1941 Nov. 15, 1941 Nov. 15, 1941 Nov. 15, 1941 June 18, 1929	469,088 410,481 334,587 301,164 280,675	1870 1860 1850 1840 1830	43d-47th 38th-42d 33d-37th 28th-32d 23d-27th	38,116 29,550 21,767 15,908 11,931	37 34 31 26 24	292 241 234 223 240	Feb. 2, 1872 5 May 23, 1850 6 May 23, 1850 7 June 25, 1842 May 22, 1832	130,538 122,614 93,020 71,388 49,712
1920 1910 1900 1890 1880	(4) 63d-72d 58th-62d 53d-57th 48th-52d	(4) 91,604 74,568 61,909 49,371	(4) 48 45 44 38	435 435 386 356 325	Aug. 8, 1911 Jan. 16, 1901 Feb. 7, 1891 Feb. 25, 1882	(4) 210,583 193,167 178,901 151,912	1820 1810 1800 1790	18th-22d 13th-17th 8th-12th {3d-7th {1st-2d	8,972 6,584 4,880 3,616	24 17 16 15 13	213 181 141 105 65	Mar. 7, 1822 Dec. 21, 1811 Jan. 14, 1802 Apr. 14, 1792 Constitution 1789	42,124 36,377 34,609 34,436 8 30,000

¹ Excludes the population of the District of Columbia, the population of outlying areas, the number of Indians not taxed, and (prior to 1870) two-fifths of the slave population.

² Actual number apportioned at the beginning of the decade.
³ Includes 1,575,000 persons in population abroad; see text.

⁴ No apportionment was made after the census of 1920.

⁵ Amended by the act of May 30, 1872. ⁶ Amended by the act of March 4, 1862 ⁷ Amended by the act of July 30, 1852. ⁸ The minimum ratio of population to Representatives stated in the Constitution (art. I, sec. 2).

Series Y 220-271. Apportionment of Membership in House of Representatives, by States, From Adoption of Constitution to 1970

[Population figures used for apportionment purposes are those determined for States by each decennial census. No reapportionment based on 1920 population census]

Series No.	Item	1970	1960	1950	1940	1930	1910	1900	1890	1880	1870	1860	1850	1840	1830	1820	1810	1800	1790	Con- stitu- tion
220	Apportionment ratio1,000	469	410	345	301	281	211	194	174	152	131	127	93	71	48	40	35	33	33	1 30
221	Total number of Representatives	435	435	² 4 37	435	435	435	391	357	332	3 293	4 243	5 23 7	232	242	213	186	142	106	65
222 223 224 225	Alabama Alaska Arizona Arkansas	7 1 4 4	8 1 3 4	9 6 1 2 6	9 2 7	9	10 7 1 7	9	9	8 <u>5</u>	8	6 	7	7	5	3	6 1 			
226	California	43	38	30	23	20	11	8	6 7	6	4	3	2 2	6 2						
227 228 229 230 231	Colorado Connecticut Delaware Florida Georgia	5 6 1 15 10	4 6 1 12 10	4 6 1 8 10	4 6 1 6 10	4 6 1 5 10	4 5 1 4 12	3 5 1 8 11	2 4 1 2 11	1 4 1 2 10	⁶ 1 4 1 2 9	4 1 1 7	1 1 1 8	4 1 6 1 8	6 1 9	6 1 7	7 2 6	7 1 4	7 1 <u>2</u>	5
232 233 234 235 236	Hawaii Idaho Illinois Indiana Iowa	2 2 24 11 6	2 2 24 11 7	6 1 2 25 11 8	2 26 11 8	2 27 12 9	2 27 13 11	1 25 13 11	1 22 13 11	6 1 20 13 11	19 13 9	14 11 6	9 11 2	7 10 6 2	3 7	1 3	6 1 6 1			
237 238 239 240 241	Kansas Kentucky Louisiana Maine Maryland	5 7 8 2 8	5 7 8 2 8	6 8 8 3 7	6 9 8 3 6	7 9 8 3 6	8 11 8 4 6	8 11 7 4 6	8 11 6 4 6	7 11 6 4	3 10 6 5	1 9 5 5 5	10 4 6 6	10 4 7 6	13 3 8 8	12 3 7 9	10 6 1 8 7 9	6	2 8	
242 243 244 245 246	Massachusetts Michigan Minnesota Mississippi Missouri	12 19 8 5	12 19 8 5	14 18 9 6	14 17 9 7 13	15 17 9 7	16 13 10 8 16	14 12 9 8 16	13 12 7 7	12 11 5 7	11 9 3 6 13	10 6 2 5 9	11 4 6 2 5 7	10 3 4 5	12 6 1 2 2	13 1 1	13 6 1	17	14	8
247 248 249 250 251	Montana Nebraska Nevada New Hampshire	2 3 1 2 15	2 3 1 2 15	2 4 1 2 14	2 4 1 2 14	2 5 1 2 14	2 6 1 2 12	1 6 1 2 10	1 6 1 2 8	6 1 3 1 2	1 1 1 3 7	6 1 6 1 3 5	3	4 5	5 6	6 6	6	5 6	4 5	
252 253 254	New Mexico New York North Carolina	2 39 11	2 41 11	2 43 12	2 45 12	1 45 11 2	⁶ 1 43 10	37 10	34 9	34 9	33 8	31 7	<u>33</u> 8	34 9	40 13	34 13	27 13	₁₇ - 12	10 10	6
255 256	North Dakota	1 23	2 24	2 23	2 23	24	3 22	2 21	1 21	6 1 21	20	19	21	21	19	14	6	6 1		
257 258 259 260 261	Oklahoma Oregon Pennsylvania Rhode Island South Carolina	6 4 25 2 6	6 4 27 2 6	6 4 30 2 6	8 4 33 2 6	9 3 34 2 6	8 3 86 3 7	6 5 2 32 2 7	2 30 2 7	28 2 7	1 27 2 5	1 24 2 4	6 1 25 2 6	24 2 7	28 2 2 9	26 2 9	23 2 2 9	18 2 8	13 2 6	8
262 263 264 265 266	South Dakota Tennessee Texas Utah Vermont	2 8 24 2	2 9 23 2 1	2 9 22 2 1	2 10 21 2 1	2 9 21 2 1	3 10 18 2 2	2 10 16 1 2	2 10 13 6 1 2	6 2 10 11 2	10 6	8 4 3	10 2	11 • 2	13 5	9 5	6	3 4		
267 268 269 270 271	Virginia Washington West Virginia Wisconsin Wyoming	10 7 4 9	10 7 5 10 1	10 7 6 10 1	9 6 6 10 1	9 6 6 10 1	10 5 6 11	10 3 5 11 1	10 2 4 10	10 61 4 9	9 3 8	11 6	13 3	15 	21 	22 	23	22	19	10

¹ The minimum ratio of population to Representatives stated in the Constitution (art. 1, sec. 2).

² Membership temporarily increased to 487 after legislation granting statehood to Alaska and Hawaii in 1959. See footnote 6.

³ Membership originally fixed at 283 but increased to 292 by act of May 30, 1872 (17 Stat. L. 192). See footnote 6.

⁴ Membership increased from 233 to 241 by act of Mar. 4, 1862 (12 Stat. L. 353). See footnote 6.

<sup>Membership increased from 233 to 234 by act of July 30, 1852 (10 Stat. L. 25).
See footnote 6.
Assigned after apportionment.
Included in apportionment act in anticipation of statehood.
Included in the 20 members originally assigned to Massachusetts but credited to Maine after its admission as a State, Mar. 15, 1820 (3 Stat. L. 555).</sup>

Government Employment and Finances (Series Y 272-848)

Y 272-848. General note.

Governmental services in the United States are provided through a complex organizational structure made up of numerous public bodies and agencies. In addition to the widely recognized pattern of Federal, State, county, municipal, and township governments, there exist many offshoots in the form of single-function and multiple-function districts, authorities, commissions, boards, and other entities that have varying degrees of autonomy. The basic pattern differs widely from State to State. Within a particular State, the various classes of local units may also differ in their characteristics.

Identification and enumeration of governmental units is, of course, a prerequisite to comprehensive reports on their activities. Thus, the U.S. Bureau of the Census report, Census of Governments, 1967, vol. I, Governmental Organization, provides information on numbers of governmental units by type, size, and location.

The summary historical table from the 1967 Census of Governments, reproduced below, presents the numbers of different types of governmental units for 1942, 1952, 1957, 1962, and 1967.

Table I. Governmental Units, by Type: 1942 to 1967

Type of government	Number of units									
	1967	1962	1957	1952	1942					
Total	81,299	91,237	102,328	116,743	155,116					
U.S. Government States Counties Municipalities Townships and towns School districts Special districts	1 50 3,049 18,048 17,105 21,782 21,264	1 50 3,043 18,000 17,142 34,678 18,323	1 48 3,047 17,183 17,198 50,446 14,405	1 48 3,049 16,778 17,202 67,346 12,319	1 48 3,050 16,220 18,919 108,579 8,299					

Comparable data for the number of governments are not available for earlier years, principally because definition of the concept of "a governmental unit" and enumeration of the units in existence are beset with many difficulties. Professor William Anderson of the University of Minnesota has done extensive work in this field, and the enumerations by the Bureau of the Census in 1942 and later reflect his contributions.

Anderson's monograph, The Units of Government in the United States: An Enumeration and Analysis, first published in 1934 and revised in 1936, was extensively revised in 1942 and finally republished in 1945 with an appendix comparing the author's enumeration of governments with that of the 1942 Census of Governments. (Public Administration Service, Chicago, 1945.) Anderson reported 175,418 governments in the United States in 1930-33 and 165,049 in 1941. The 1942 Census of Governments adopted a more selective definition, eliminating 9,729 school districts and 204 other units from enumeration as separate entities. Anderson reported that he had "good reason to believe that the Bureau's figures represent a more accurate enumeration." (Source cited above, p. 48.)

The comparative totals reported by Anderson, on the basis of his definitions and procedures, are summarized in table II.

A governmental unit as defined in the 1967 Census of Governments (Governmental Organization, cited above, p. 13) is as follows:

A government is an organized entity which, in addition to having governmental character, has sufficient discretion in the management of its own affairs to distinguish it as separate from

the administrative structure of any other governmental unit. To be counted as a government, any entity must possess all three of the attributes reflected in the foregoing definition: Existence as an organized entity, governmental character, and substantial autonomy.

Characteristics taken as evidence of the "essential attributes" of a separately existing governmental unit include organization, active operation, and the possession of specific corporate powers; the popular election or appointment of officers; the power to levy taxes or to issue debt that bears interest exempt from Federal taxation; responsibility for performing a function commonly regarded as governmental; public accountability; and considerable administrative and fiscal independence.

Despite the variety and apparent simplicity of these criteria, the proper classification of some local governmental entities remains doubtful and, in such cases, account has been taken of (a) local attitudes as to whether the type of unit involved is independent, and (b) the effect of the classification upon the collection and presentation of statistics of governmental finances and employment.

Table II. Governmental Units, by Type: 1930-33 and 1941

Type of government	1941	1930-33	Change in number
Total	165,049	175,418	-10,369
U.S. Government	1		-
States	43	48	
Counties	8,050	3,053	-3
Incorporated places (cities, villages, etc., and	.,	-,	1
D.C.)	16.262	16.366	104
Towns (as in New England) and organized town-	4,	-0,000	i
ships (in a total of 23 States)	18,998	20,262	-1.264
School districts	118,308	127,108	-8.800
Other units	8.382	8,580	-198

Represents zero.

Two broad categories of governmental units may be distinguished—special-purpose organizations, such as school, park, and sanitary districts; and general-purpose governments, each with a broad spectrum of powers and duties, ranging in size from small village and town governments to the large metropolitan city, State, and Federal governments.

These diverse units can be represented by at least two kinds of measures that are universally applicable: (a) the number of persons serving in each governmental unit and their compensation, and (b) the broad financial aspects of the operations, as represented by revenues, expenditures, and indebtedness. The collection and reporting of such data are complicated by the large numbers and frequent changes of the governmental units to be covered, by changes (often unrecorded) in their internal structures and external relationships, and by the great diversity that exists in organizational forms, employment relationships, financial procedures, the adequacy and availability of records, and the categories and terminologies used in those records and in public reporting. For the most part, data for the Federal Government are derived from regular personnel and fiscal reports, published annually or oftener. Those for the States and large cities are compiled from annual public reports or other official records of each unit and its component organizational subdivisions; and those of other local governments are derived from surveys based on similar reports and records of carefully selected samples of each type of government.

Complete censuses of governments, covering governmental structure, personnel, expenditures, revenues, debt, and other selected aspects of all governments in the United States, were conducted for 1932, 1942, 1957, 1962, and 1967. Earlier periodic censuses (for decennial years for 1850–1890 and for 1902, 1912, and 1922) were narrower in scope, particularly with reference to expenditures and personnel.

The various censuses of governments and also the annual reports on personnel and finances, differ not only in completeness, but also in some of the basic concepts and classifications. Consequently, the preparation of historically comparable data covering all governmental units is extremely difficult. As is evident in the historical series for the Federal Government, events and changing concepts greatly affect the comparability, over long periods, of data for a single government. The problem of continuity in concepts and classifications is greatly multiplied in summaries for all governmental entities.

For such reasons, the consolidated historical series now available are for selected years beginning with 1902. The data available for earlier years are either inadequate for classifications now used or require more extensive reworking than could be achieved with available resources.

State and local government data in this chapter include Alaska and Hawaii for years after admission as States; they omit outlying areas of the United States. The District of Columbia is classified as a local government.

For references to publications containing the original data and statistics for individual State and local governments, see text for series Y 652-848.

For still another approach to the role of Government operations in the economy, see series F 66-70, reporting Government purchases of goods and services, in which the Federal Government totals for 1938-1970 are subdivided between national defense and other purposes. For national income originating in "Government" as an industry, see series F 141; and for estimates of "Government product" in the national income accounts, see series F 129.

Y 272-334. General note.

Statistics on government employment and payrolls in the United States appear in The Trend of Government Activity in the United States Since 1900, by Solomon Fabricant, assisted by Robert E. Lipsey, National Bureau of Economic Research, New York, 1952, pp. 161–203. Fabricant and Lipsey relate their figures to the government employment data for 1929–1949 and earlier periods published by the Office of Business Economics and predecessor agencies. The latter figures differ from the former chiefly in omitting, for national income accounts, all Federal Government employees abroad. Also differentiated are earlier estimates prepared for the National Bureau of Economic Research by Simon Kuznets in National Income and Its Composition, 1919–1938, New York, 1941, vol. II, pp. 811–826. This study did not have data from the Work Projects Administration-Bureau of Labor Statistics compilations noted below. For reference to other studies for earlier years, see text for series Y 332–334.

The WPA-BLS figures, mentioned above, cover 1929–1939. They were obtained as part of a larger survey of State and local governments conducted in 1938–1943 by the Bureau of Labor Statistics and financed and staffed by the Work Projects Administration. Annual estimates of employment and payrolls of State and local governments and the underlying detailed estimates of States, by classes of governments and major fields of employment, were published by the Bureau of Labor Statistics in *Employment and Pay Rolls of State and Local Governments*, January 1946.

Sample surveys by the Bureau of the Census began in 1940 on a quarterly basis, giving reports of January, April, July, and October data. School data prior to 1946 were from the Office of Education and reported only for State and local aggregates, so that pre-1946 detail by level and type of government relates only to the non-school data.

State-by-State estimates were issued by the Bureau of the Census at least once a year from the early 1940's, except for 1951. Summary data were provided on the school (education) component, but other functional detail was supplied only for State and municipal governments until 1952. Development of separate payroll figures on full-time employees was begun in 1951, and derivation of employment figures on a full-time equivalent basis was initiated in 1952. Beginning with 1953, national and State-by-State data have been reported by function, on the full-time equivalent number of employees of State and local governments for the month of October (except 1957 data, which were for April).

Beginning with 1955, the Bureau of Labor Statistics assumed responsibility for providing monthly statistics on government employment and payrolls.

Both series Y 272–289 and Y 332–334 cover all types of special-purpose districts as well as general-purpose local governments and all branches of the State governments; and both include the employees of government utilities as well as of general government services and agencies. Education employment includes noninstructional staff and the educational employees of State as well as local governments. Both tabulations omit military personnel and persons on work relief.

Federal Government employment and payrolls for 1952–70, series Y 273 and Y 291, respectively, are derived from Civil Service Commission data. Prior to 1952, these figures (Y 273 and 291) are basically the Bureau of Labor Statistics figures and, therefore, differ in coverage and date from the Civil Service Commission's historical tabulations for the Federal Government alone (series Y 308–317).

Differences from labor force data.—Data collected from the governmental employers, such as the Bureau of the Census and Bureau of Labor Statistics compilations on public employment referred to above, necessarily differ from government employment statistics derived from broad surveys of the labor force (see, for example, series Y 332-334).

Data on the labor force, and therefore on government workers, are collected by the Bureau of the Census in monthly surveys and published in its Current Population Reports. These surveys involve direct personal interviews with selected samples of households throughout the Nation. Governments are listed as an industry group, and members of the labor force who report that they are government workers are so classified.

Y 272-307. Public employees and government monthly payrolls, by type of government, 1940-1970.

Source: 1940-1967, U.S. Bureau of the Census, U.S. Census of Governments: 1967, vol. 6, No. 5, Historical Statistics on Governmental Finance and Employment; 1968-1970, Public Employment, annual

Data on Federal employment and payrolls were obtained from the Bureau of Labor Statistics (BLS) prior to 1952 and the Civil Service Commission since that time. BLS figures were based on Civil Service data. Substantially all basic data for State and local governments were collected by mail surveys of the Bureau of the Census. However, prior to 1946, data on school employment were derived from the U.S. Office of Education publication, Biennial Survey of Education in the United States.

The reports on public employment outline the development of the Bureau of the Census reporting of statistics on public employees and payrolls, record data for the years back to 1940, and provide information on the concepts and definitions used. Additional data on Federal, State, and local governments are contained in the U.S. Census of Governments: 1957, vol. 2, Governmental Employment; the U.S. Census of Governments: 1962, vol. 3, Compendium on Public Employment; and the U.S. Census of Governments: 1967, vol. 3, Public Employment.

Public employees, as defined for the purpose of the Bureau of the Census survey of government employment, include all paid officials and civilian employees of Federal, State, and local governmental units. Employees of contractors, persons working on a contract

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basis, and persons on work relief are not considered public employees. The term, however, does include fee officials, paid volunteer firemen, student help, and other persons employed on a part-time basis even though they may receive only nominal compensation for their services. Military personnel and their pay are omitted.

Figures for full-time equivalent employees, series Y 273-289, represent the number of persons that could have been employed, for the payroll amounts reported, if all personnel were engaged on a full-time basis at the average monthly rates applying to full-time workers for the particular functions and levels of government involved. Full-time employees are those persons employed during the pay period for the number of hours per week prescribed for full-time work in the jurisdiction concerned. The term includes temporary and emergency employees working on a full-time basis during the pay period.

Payrolls, series Y 290-307, include salaries, wages, fees, and other compensation earned in the calendar month by officials and other employees. Amounts reported are gross pay before deductions for withholding taxes, retirement contributions, social security, and other purposes. Full-time payrolls, series Y 292-307, are amounts paid to full-time employees as defined above.

Figures for State governments include, in addition to data for the regular departments and agencies, data for boards, commissions, authorities, institutions of higher education, and other semiautonomous agencies of State government. State employees include all persons paid by the State government.

Figures for municipalities (series Y 283-284 and Y 301-302) are for city, borough, village, and—except in New England, New York, and Wisconsin—town governments. They include boards, commissions, and semiautonomous districts and authorities controlled by such governments, as well as the regular municipal departments and agencies. In a number of States, some or all of the public schools serving city areas are operated by city governments, and city figures include their employees.

Figures for counties (series Y 285–286 and Y 303–304) include data for semiautonomous county agencies and for public schools or school facilities operated by county governments in a few of the States.

Data on school districts are restricted to independent districts operating public schools. They do not include data for school systems operated by State, city, county, or township governments. Between 76 and 81 percent of all local government education employees in October of each year, 1946–1970, were employees of independent school districts.

In addition to townships of the Midwestern States, which have limited governmental functions and play a minor role, township data include figures for New England, New York, and Wisconsin towns, and Pennsylvania and New Jersey townships, where town and township governments are important in the local government structure. The New England town figures include school information for four States (all except New Hampshire and Vermont) in which town governments administer public schools. Data on special districts are for special-purpose units of local government set up to perform a specific service or services in a local area, but which are administratively and fiscally independent of the broader types of local government having jurisdiction in the area. These units range in size from drainage districts and other agricultural-resources districts having only intermittent activity or employment up to such entities as the Chicago Transit Authority, the Port of New York Authority, and other large-scale governmental employers.

Y 308-317. Paid civilian employment of the Federal Government, 1816-1970.

Source: U.S. Civil Service Commission, unpublished data.

The data for 1816-1891 were compiled by the Civil Service Commission from Official Register of the United States; for 1901-1911, from the Annual Report of the Civil Service Commission and Official Register; for 1908-1970, from the Civil Service Commission, Annual Report and Federal Civilian Manpower Statistics, formerly titled

Monthly Report of Federal Employment, and supplemented throughout by Civil Service Commission records.

Prior to 1938, the data are for employees on the rolls, with or without pay; for 1938-1942, the number on the payroll with pay; and for 1943-1970, the number in active duty status.

Employees and officials of the legislative, judicial, and executive branches are included. Employees of the District of Columbia are not included; they are considered employees of a local government.

The figures exclude military personnel but include civilian employees of the military departments. However, mechanics and other workmen at army arsenals and navy yards are not included prior to 1881.

The data for the Post Office, series Y 314, exclude contractors but include substitutes, partly estimated.

Series Y 311 represents personnel employed under the act of January 16, 1883, establishing the Civil Service Commission and the competitive (classified) service. This service includes all civilian positions in the executive branch of the Federal Government that are not specifically exempted by or pursuant to statute, or by the Civil Service Commission. It also includes all positions in the legislative and judicial branches which are specifically made subject to the civil service laws by statute. Figures represent positions, including vacancies, prior to 1947; since 1948, they represent employees serving under competitive appointment, primarily in the executive branch.

Y 318-331. Paid civilian employment in full-time positions in the Federal Government, 1948-1970.

Source: U.S. Civil Service Commission, Pay Structure of the Federal Civil Service, table 2, annual issues.

Over the years, the data in this table reflect increased coverage of paid Federal civilian employees. The data for 1948–1951 include only those employees in the conterminous United States; all later data are worldwide figures. Prior to 1954, only executive branch employees are shown; later data include all legislative branch employees except employees of Congress. Employees of the District of Columbia are not included as they are considered employees of a local government. The figures exclude military personnel but include civilian employees of the military departments.

Changes have also taken place over the years in the various employee pay systems. Data on the crafts, protective, and custodial schedule are shown for 1948–1951; some data on a different basis are also available in the annual issues cited above for 1952–1955. After 1955, this schedule was discontinued. The data for the Postal Pay Act do not include postal substitutes as full-time employees until 1953. Postal seasonal Christmas assistants are not included. The data for "other" employees include foreign nationals employed overseas after 1951.

Y 332-334. State and local government employment, 1929-1970.

Source: U.S. Bureau of Labor Statistics, Employment and Earnings, United States, 1909-71, BLS Bulletin 1312-8, p. 576.

Data for 1929–1939 are derived from a WPA-BLS survey (see general note for series Y 272–334). Figures for 1940–1954 are from Bureau of the Census reports on public employment and for 1955–1970, from Bureau of Labor Statistics compilations.

These series include regular full-time teachers for the summer vacation period, whether or not they were specifically paid in those months; elected officials of small local units and paid volunteer firemen are omitted as nominal employees.

Series Y 332-334 differ from series Y 274-276 because the former measure average monthly employment, whereas the latter are for October 31 of each year (except for 1957).

For a discussion of studies conducted by Federal agencies, see general note for series Y 272-334. Estimates of employment and payrolls for the years 1909-1927 appear in Wilford I. King, The National Income and Its Purchasing Power, National Bureau of

Economic Research, 1930, pp. 360-365; and for 1926, a study by William E. Mosher and Sophie Polah based on approximately 500 reports from State and local governments, published in "Public Employment in the United States," supplement to National Municipal Review, vol. XXI, No. 1, January 1932.

Relying heavily on the Mosher-Polah article and public employment data issued by the Bureau of Foreign and Domestic Commerce in connection with certain of its national income studies, Simon Kuznets, in *National Income and Its Composition*, 1919–1938, National Bureau of Economic Research, 1941, vol. II, pp. 811–826, published revised estimates of government employees and payrolls for 1919–1938.

Y 335-338. Summary of Federal Government finances—administrative budget. 1789-1939.

Source: U.S. Department of the Treasury, Statistical Appendix to Annual Report of the Secretary of the Treasury, 1970, pp. 8-13 and 60-61.

Receipts and expenditures for 1789-1915 are based on warrants issued; for 1916-1939, on daily Treasury statements. Total gross public debt is on the basis of public debt accounts for 1791-1915, and on the basis of daily Treasury statements for 1916 to date. For description of the Daily and Monthly Statements of the Treasury, explanation of "warrants issued," "public debt accounts," and other pertinent items, see the source, pp. 1 and 2.

The receipts and expenditures data exclude amounts received in trust and expended from trust accounts. They also exclude amounts borrowed through the sale of Government securities and amounts paid to retire public debt. Receipts include the proceeds of sales of some types of Government-owned assets, including land. For recent years, however, proceeds from the disposition of some categories of Government property (including sales of commodities and securities purchased and repayments received on account of loans made by the Government) are reported as deductions from expenditures, rather than as receipts. Postal receipts and expenditures are included net for each year throughout the series; that is, a postal surplus is included in receipts and a postal deficit in expenditures.

Subject to the foregoing qualifications, figures for Federal Government receipts (series Y 335) represent "total receipts" through 1912 and "net receipts" thereafter. In determining net receipts, the following items are deducted from total receipts:

Refunds of receipts, principally for the overpayment of taxes, 1913-1939, are deducted from total receipts. (For earlier years, such refunds are included in expenditures.)

Certain interfund transactions are excluded from receipts and expenditures starting in 1932; for prior years, the amounts of such transactions are insignificant. Refunds of receipts are excluded from receipts and expenditures starting in 1913; comparable data are not available for prior years.

Transfers of tax receipts to the Federal old-age and survivors insurance trust fund from 1937; to the railroad retirement account from 1938.

Capital transfers, consisting of payments to the Treasury principally by wholly owned Government corporations for retirement of capital stock and for disposition of earnings. (Although the exclusion applies to all fiscal years for 1931–1939, the only transfer of this kind identified for that period was an item of \$250 thousand in 1937.)

Figures for expenditures for 1931-1939 likewise are net of refunds paid and of capital transfers, but include any such payments in earlier years.

The surplus or deficit (series Y 337) is the difference between receipts and expenditures in any fiscal year. The change in public debt during any year is usually determined in large part by the surplus or deficit; it is, however, affected also by the increase or decrease in the Treasury cash balance and by various other financial operations. Consequently, there is only an approximate relationship between

series Y 337 and the year-to-year differences in the debt reported in series Y 338.

For comments on the total gross public debt (series Y 338) and other aspects of the public debt, see text for series Y 493-504.

In a statement on "Some Historical Aspects of Federal Fiscal Policy, 1790-1956" (in Federal Expenditure Policy for Economic Growth and Stability, papers submitted by panelists appearing before the Subcommittee on Fiscal Policy, Joint Economic Committee, 85th Congress, 1st sess., Nov. 5, 1957, Joint Committee Print, pp. 60-83), the official historical series on Federal receipts and expendituressuch as series Y 335 and Y 336-were characterized by Professor Paul B. Trescott as subject to "certain deficiencies for the economist" stemming in part from "capricious patterns of inclusion and exclusion." Important before 1870, according to Trescott, was lack of conformity between the accounts of the Treasury, which the official data summarize, and the accounts of the collecting and disbursing officers who actually dealt with the public. He reported that the payment of \$28 million of surplus revenue to the States in 1837 was omitted from Treasury accounts; that more than \$100 million reported in Treasury figures of expenditures in the Civil War years was accumulated in disbursing officers' balances; and that various other adjustments were desirable. In compiling alternative totals of receipts and expenditures on the basis of various official records additional to Treasury accounts, Trescott has adopted special concepts, so that the resulting totals are designed primarily to measure money-flows. To some extent, his work incorporates a revised expenditure series compiled by M. Slade Kendrick in A Century and a Half of Federal Expenditures, National Bureau of Economic Research. New York, Occasional Paper 48, revised, 1955. Kendrick's data are as nearly as possible on a cash-payment basis for 1917-1952 (see Appendix B, especially p. 67).

The adoption of the unified budget concept reflected in series Y 339-342 was in part designed to eliminate these problems of comparability, but the data have not been worked back prior to 1954. From 1940 to 1953 the consolidated cash data shown in series Y 339-342 are closer to the concept currently in use than the administrative budget, while the only official data available for years prior to 1940 are the administrative budget figures.

The differences between the administrative budget and consolidated cash statement were slight prior to the mid-1930's when the Social Security trust funds began. From 1934 to 1939, cash receipts totaled \$30.3 billion and administrative budget receipts totaled \$26.2 billion; cash payments totaled \$45.4 billion while administrative budget expenditures were \$44.9 billion; the cash deficit totaled \$15.0 billion and the administrative budget deficit totaled \$18.7 billion.

Y 339-342. Summary of Federal Government finances, 1929-1970.

Source: U.S. Office of Management and Budget. For all series, 1929-1939, unpublished data. Series Y 339-341, 1940-1970, The Budget of the United States Government, 1973, p. 553. Series Y 342, 1940-1962, Federal Government Finances (unbound mimeographed tables); 1963-1970, The Budget of the United States Government, 1973, p. 543.

The unified Federal budget concept was first introduced in 1968 to incorporate reforms recommended by the President's Commission on Budget Concepts, whose report was published in 1967. Among the principal recommendations of the Commission incorporated into the new unified budget concept are the following:

- (1). The Federal budget should include all federally controlled funds—whether labeled "Federal funds" or "trust funds"—so that it provides a picture of the total impact of the government on the economy.
- (2). Any privately-owned activities—even if federally chartered—are not to be included in the Federal budget.
- (3). Federal receipts shall consist of all income which arises out of the Government's sovereign capacity to govern (that is,

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taxes and compulsory payments plus unfettered gifts to the Government). All income derived from business-type activities (such as the sale of public lands) are recorded as negative outlays.

The objective was to provide a consistent, comprehensive overview of total Federal finances regardless of the legal technicalities over who "owns" the money the Federal Government controls.

In order to provide comparable data over a period of years, the Bureau of the Budget (now Office of Management and Budget) and the Department of the Treasury jointly produced a set of data back to 1954. It was felt that the differences from the consolidated cash statement were too minor to warrant the additional work required to produce completely comparable data for earlier years. For most purposes there is no serious discontinuity in using the consolidated cash data for the 1940–1953 period and unified budget data for subsequent years. For example, over the period from fiscal year 1954 to 1958 the consolidated cash receipts averaged only 3 percent higher (\$1.9 billion annually) than the unified budget receipts; cash payments averaged $2\frac{1}{2}$ percent higher (\$1.6 billion annually) than unified budget outlays; and the cash statement averaged a \$.03 billion surplus while the unified budget averaged a \$.3 billion deficit.

The consolidated cash statement was the broadest budgetary measure of Federal finances prior to the adoption of the unified budget. It differs from the unified budget primarily for the following reasons:

- (1). The cash statement has a much more inconsistent treatment of income from business types of transactions. It treats large amounts of such income as offsets to outlays (called payments in the cash series) whereas other large amounts of such income are included in receipts.
- (2). The cash statement includes transactions of wholly privately-owned enterprises (such as the Federal Home Loan Banks).
- (3). The cash statement records interest when the cash is paid; the unified budget records interest when it is earned (accrued).

Consolidated cash data for current periods are no longer being produced since the existence of alternative budget concepts creates inordinate confusion.

At the same time that the budget concepts were reformed the debt concepts were also reformed; for many years there were two principal debt concepts: Public debt and debt subject to the debt limit. The public debt is that debt which originates from the Treasury Department. For most of our history this was the total debt, but in the past few decades the Congress has authorized other agencies (such as the Tennessee Valley Authority and the Federal Housing Administration) to borrow money without going through the Treasury Department. As a result, the public debt series does not include several billion dollars worth of Federal debt. The debt subject to limit includes almost all public debt but only part of the agency debt. Hence, a new comprehensive debt series was developed which includes both public and agency debt. This debt series is called "Gross Federal debt" (series Y 342 and Y 488) and data on a comparable basis have been compiled back to 1939. The differences between the gross Federal debt and the public debt (series Y 338 and Y 493) are quite large in the 1939-1944 period because of the large volume of agency borrowing which occurred in the 1930's, particularly in 1934.

Y 343-351. Federal Government receipts, by source, 1940-1970.

Source: U.S. Office of Management and Budget, Federal Government Finances (unbound mimeographed tables), October 31, 1972.

For 1940-1953, data are consolidated cash totals; for 1954-1970, data are based on the unified budget concept. The cash data are comparable to the unified budget data except for the "other miscellaneous receipts and "total" columns, where the cash receipts include certain transactions that are offset against outlays in the unified budget. In general, these differences have no effect on the surplus or deficit. For further details, see text for Y 339-342.

Y 352-357. Federal Government receipts—administrative budget, 1789-1939.

Source: U.S. Department of the Treasury, Statistical Appendix to the Annual Report of the Secretary of the Treasury, 1971, pp. 8-12, except series Y 356, Annual Report of the Secretary of the Treasury, 1946, pp. 422-423.

See text for series Y 335-338, for a discussion of receipts according to the administrative budget concept.

Y 358-373. Internal revenue collections, 1863-1970.

Source: U.S. Department of the Treasury, Annual Report of the Secretary of the Treasury, 1929, pp. 419-424; 1946, pp. 406-409; and Statistical Appendix to Annual Report of the Treasury, 1970, pp. 46-51.

The three Annual Reports overlap as to years covered. To the extent that they differ in the grouping of items in any given year, the tabulation shown here generally follows the latest compilation; however, some exceptions are indicated below.

In Historical Statistics of the United States, 1789-1945, series P 109-119, the corresponding figures exclude trust fund receipts for 1935-1945. The data shown here for series Y 358-373 follow later Treasury practice by including, among internal revenue collections, all taxes collected by the Internal Revenue Service, whether assigned to general revenue or to trust funds.

These data, from Internal Revenue Service reports of collections, differ from figures shown in other series. The variations reflect differences in the time or stage of operations when the receipts are recorded. Taxes are included in budget receipts when reported in the account of the Treasurer of the United States. Internal Revenue Service reports of collections through 1954 include taxes for which returns (and payments) were received in internal revenue offices. Under arrangements begun in 1950 for withheld individual income tax and old-age and survivors insurance taxes, and later extended to railroad retirement taxes and many excises, these taxes are paid directly into Treasury depositaries. The depositary receipts, issued as evidence of such payment, are attached to quarterly returns submitted to the Internal Revenue Service by employers and taxpayers. Under this procedure, the amounts are included in budget receipts in the month and year when the depositary receipts are issued. Effective July 1, 1954, this accounting practice was extended to Internal Revenue Service reports of collections, so that the reported collections after fiscal 1954 likewise include depositary receipts in the month when the depositary receipts are issued.

Excise taxes paid into depositaries cannot be fully classified in terms of specific taxes until the supporting returns are received. Consequently, the collections shown for designated excise taxes in fiscal years after 1954 are subject to an undistributed adjustment. (For the amounts involved, see Statistical Appendix to Annual Report of the Secretary of the Treasury, 1970, p. 50.)

The principal taxes included in totals but not shown separately are as follows:

1863-1915. Income and profits, largely 1863-1874 and 1914-1915 (see comments below for series Y 359); corporation excise, 1910-1914; occupational (special) taxes, 1863-1871, 1898-1902, and 1915.

1916-1957. Occupational (special) taxes, 1916-1928; insurance, 1918-1922; soft drinks, 1918-1924; and agricultural adjustment taxes, 1934-1936.

Y 358, total collections. For items included in this series but not shown separately in series Y 359-373, see source publications.

Y 359, individual income taxes. Although not shown separately for 1863-1915, this was an important tax source under revenue legislation enacted during the Civil War. The first collections in 1863 and for other years are shown below as tabulated in the *Annual Report* of the Secretary of the Treasury, 1929, p. 419.

The income tax legislation of the Civil War period expired in 1871 (see text for series Y 393-411). The collections in 1895 were under an act of 1894 that was declared unconstitutional. This type of tax was not imposed in other years during 1872-1913. The amounts shown in table III for 1873, 1874, 1876, 1881, and 1884 were late collections.

Table III. Individual Income Tax Collections: 1863 to 1895
[In thousands of dollars. For years ending June 30]

Year	Amount	Year	Amount	Year	Amount	Year	Amout
1895	77	1874	139	1870	37,776	1866	72,982
1884	56	1873	5,062	1869	34,792	1865	60,979
1881	3	1872	14,437	1868	41,456	1864	20,295
1876	1	1871	19,163	1867	66,014	1863	2,742

Separate figures for the individual income tax collections are not available for 1914, 1915, and 1918-1924.

Since 1951, withheld income taxes and old-age and survivors insurance taxes on employees and employers, and since 1957, disability insurance taxes on employees and employers have been paid into the Treasury in combined amounts without separation as to type of tax. Since June 1965, hospital insurance taxes have been deposited in the same way. Similarly, since 1951 and 1957, respectively, the old-age and survivors insurance and the disability insurance taxes on self-employment incomes have been paid in combination with income tax other than that withheld. The distribution of these collections by type of tax is based on estimates made in accordance with section 201(a) of the Social Security Act (42 U.S.C. 401(a)). Included in income taxes withheld by employers for 1951–1956 are amounts subsequently transferred to the Government of Guam under an act approved August 1, 1950 (48 U.S.C. 1421h). Since 1956 these amounts are excluded.

The relative importance of withholding by employers as a method of income tax collection is shown in table IV for the period since withholding was instituted.

Table IV. Individual Income Tax Collections, by Method of Collection: 1943 to 1970
[In millions of dollars. For years ending June 30]

Year	Total	Withheld by em- ployers	Other collec- tions	Year	Total	Withheld by em- ployers	Other collec- tions
1970	103,652	77,416	26,236	1956	35,338	24,016	11,322
1969	97,440	70,182	27,258	1955	31,650	21,254	10,396
1968	78,252	57,301	20,951	1954	32,814	22,077	10,737
1967	69,371	50,521	18,850	1953	32,536	21,132	11,404
1966	61,298	42,811	18,486	1952	29,274	17,929	11,345
1965	53,661	36,840	16,820	1951	22,997	18,090	9,908
1964	54,590	39,259	15,331	1950	17,153	9,889	7,264
1963	52,988	38,719	14,269	1949	18,052	10,056	7,996
1962	50,650	36,246	14,403	1948	20,998	11,534	9,464
1961	46,153	32,978	13,175	1947	19,343	9,842	9,501
1960	44,946	31,675	13,271	1946	18,705	9,858	8,847
1959	40,735	29,001	11,733	1945	19,034	10,264	8,770
1958	38,569	27,041	11,528	1944	18,261	7,823	10,438
1957	39,030	26,728	12,302	1948	6,630	686	5,944

Y 360, corporation income taxes. Includes excess profits tax, 1917 and 1934-1946; unjust enrichment tax, 1937-1946; and undistributed profits tax, 1937-1939.

The corporation income tax law, effective March 1, 1913, was preceded by a corporate excise tax enacted in 1909, under which collections were as shown in table V (see Treasury Department, Annual Report of the Secretary of the Treasury, 1929, p. 420).

For 1914, 1915, and 1918–1924, the Treasury reports do not separate corporate income tax from individual income tax collections.

Collections shown for 1952-1970 include taxes on business income of exempt corporations. Also included is the income tax on the

Alaska Railroad, which was repealed for taxable years after June 30, 1952.

Table V. Collections Under the Corporate Excise Tax Act of 1909: 1910 to 1914

[In thousands of dollars. For years ending June 30]

Year	Amount	Year	Amount
1914 1913 1912	10,671 35,006 28,583	1911 1910	33,512 20,960

Y 361, employment taxes. Includes the employer, employee, and self-employed taxes for the Federal old-age, survivors, and disability insurance system; the Federal unemployment insurance tax on employers; and the railroad retirement tax on employers and employees. Collections are received in combination with individual income taxes and the distribution by type of tax is based on estimates, as noted above in text for series Y 359.

Omitted from this series are railroad unemployment insurance contributions, collected by the Railroad Retirement Board under the Railroad Unemployment Insurance Act of 1938, as amended (45 U.S.C. 360). Although based on payrolls, this levy is not considered an internal revenue tax.

State unemployment insurance taxes also are not internal revenue collections, although the proceeds are deposited in the unemployment trust fund in the Federal Treasury.

Y 362, estate and gift taxes. Comprises, for 1863-1871 and 1899-1907, taxes on legacies, successions, and inheritances. The estate and gift taxes are shown separately for 1917 and later in the Treasury reports cited above. The figures for 1917-1924 and 1927-1932, inclusive, are for estate tax only. As indicated below for series Y 440-449, estate tax rate increases under the Revenue Act of June 2, 1924, were repealed retroactively February 26, 1926. Gift tax rates levied in 1924 were also reduced retroactively by the act of 1926. Estate and gift tax collections reported for 1925 and 1926 may include amounts collected at the higher rates and subsequently refunded; the refunds were reported as expenditures rather than as deductions from revenue. (See Bureau of Internal Revenue, Statistics of Income, 1946, part 1, pp. 430-431; Annual Report of the Secretary of the Treasury, 1926, pp. 291 and 350; 1927, pp. 965-966.)

Y 363-371 and Y 373, excise taxes. Series Y 363, excise taxes total, and series Y 366, manufacturers' excise tax subtotal, are shown for years in which these totals appear in the Treasury annual reports cited above. Taxes of these types were collected also in other years.

For the years for which they are shown, these totals include various taxes not specified in the table. The "manufacturers' excise taxes" include special taxes relating to manufacture and sale. For 1863–1868, the manufacturers' excise subtotal includes a tax on raw cotton. For 1916–1970, the series includes taxes on sales under the act of October 22, 1914; manufacturers', consumers', and dealers' excise taxes under war revenue and subsequent acts; and for 1932 and later, manufacturers' excises under the act of 1932, as amended. Excise taxes on soft drinks are in the total for series Y 363 but not in series Y 366.

Y 364, alcohol. Comprises taxes on distilled spirits, beer, wines, and other products and includes occupational taxes. Includes amounts collected by the customs service on imports of distilled spirits and beer. Beginning in 1954, the reported amounts include taxes collected in Puerto Rico on alcohol products of Puerto Rican manufacture coming into the United States.

Y 365, tobacco. Comprises taxes on cigarettes, cigars, and other tobacco products. Beginning in 1954, the reported amounts include taxes collected in Puerto Rico on Puerto Rican tobacco products coming into the United States.

Y 367, automobiles and accessories. Includes tax collected for "passenger automobiles and motorcycles," "automobile trucks and

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buses," and "parts and accessories for automobiles." Tax on motorcycles repealed effective September 1, 1955; tax on parts and accessories for automobiles (except truck parts) repealed effective January 1, 1966.

Y 370, admissions. Comprises "general admissions" and "cabarets," as shown separately in the Annual Report of the Secretary of the Treasury, 1970, for 1936-1970. Tax repealed effective December 31, 1965.

Y 371, telephone, telegraph, radio, and cable facilities. Includes in all years the taxes on "telephone, telegraph, radio, and cable facilities," and also, for 1942 and later, the tax on "local telephone services." General and toll telephone and typewriter service reduced to 3 percent effective January 1, 1966; retroactively restored to 10 percent rate on June 28, 1968. Private communications service, telegraph service, and wire equipment service repealed effective January 1, 1966.

Y 372, capital stock tax. This tax was not levied for years ending in the period July 1, 1926, through June 30, 1932, and for years ending after June 30, 1945. Collections after the fiscal year 1950 are included in excises, series Y 363.

Y 374-380. Fiduciary income tax returns, 1937-1970.

Source: U.S. Internal Revenue Service, 1937-1965, Statistics of Income, Fiduciary Income Tax Returns; 1970, unpublished data.

These series were tabulated from returns (Form 1041) before official audit. All returns were used for 1937–1939, but only taxable returns were used for 1940–1951. Data for years after 1951 are based on a sample of returns filed. Prior to 1937, data for fiduciary income tax returns were shown combined with individual income tax returns.

Fiduciary returns show annual income from estates in process of settlement or any other trust for which the fiduciary acts as administrator. Only certain small trusts are excused from filing. For the period covered, returns were required if income equaled or exceeded the amounts specified for the following years:

Income of an estate—for 1937-1939, gross income of \$5,000 or net income taxable to the fiduciary of \$1,000; 1940, gross income of \$800; 1941, gross income of \$750; 1942-1947, gross income of \$500; 1948-1970, gross income of \$600.

Income of a trust—for 1937, gross income of \$5,000 or net income taxable to the fiduciary of \$1,000; 1938 and 1939, gross income of \$5,000 or net income of \$100; 1940, gross income of \$800 or net income of \$100; 1941, gross income of \$750 or net income of \$100; 1942–1947, gross income of \$500 or net income of \$100; 1948–1953, gross income of \$600 or net income of \$100; 1954–1970, gross income of \$600 or any taxable income of the fiduciary.

For any tax year, a return was required if any beneficiary of the estate or trust was a nonresident alien.

Total income (series Y 375) is gross income reported in accordance with the law for each tax year. For 1937–1952, this is after business and rental expenses and allowable loss from sales of capital assets and other property, and it includes capital gains as required under the various acts. For 1954 and later years, it includes gross profit from business, gross rents, and the entire capital gain without adjustment.

Net income or taxable income (series Y 376) as shown for 1954 and later years is less inclusive than the amounts shown for earlier years. For 1937–1952, this series represents total income less allowable non-business deductions and the amount distributable to beneficiaries. For these years, it is not the amount taxed, since the exemption allowed to trusts and estates has not been deducted from the net income taxable to the fiduciary. For 1954 and later years, the series shows income taxable to the fiduciary. This is total income after deduction of the exemption as well as all business and rental expenses, the authorized nonbusiness deductions, distributions to beneficiaries, and the fiduciary's share of dividend exclusions and of long-term capital gain.

Y 381-392. Corporation income tax returns, 1909-1970.

Source: U.S. Internal Revenue Service (formerly Bureau of Internal Revenue), 1909-1915, Annual Report of the Commissioner of Internal Revenue, various issues; 1916-1970, Statistics of Income, Corporation Income Tax Returns, annual issues.

Income tax returns are required annually of all corporations except those specifically exempt, such as fraternal, civic, and charitable organizations not operating for profit.

Data for 1909-1915 are from returns received during the fiscal year beginning July 1 of the year specified. The data for 1915 include information from approximately 32,000 returns received during the preceding fiscal year.

Data for 1916–1970 are for returns with accounting periods that ended between July 1 of the year specified and June 30 of the following year (for example, figures for 1916 are for accounting periods ending July 1, 1916, to June 30, 1917). A large proportion of the corporations' accounting periods coincide with the calendar year, and the calendar year is therefore used to identify the "income year." For the "income year" 1967, for example, 44.6 percent of the returns were for accounting periods that ended in December 1967; 22.5 percent for periods that ended during July–November 1967; 32.9 percent for periods that ended in the first half of 1968.

Data are based on returns as filed, prior to audit adjustments, carrybacks, renegotiation of war contracts, or other changes made after the returns were filed. For 1951-1970, data are based on a probability sample described in the annual Statistics of Income. Only the most important changes in law affecting historical comparability of the data can be noted here; others are specified in the annual Statistics of Income—for example, the varying provisions regarding life insurance company taxation.

Because of consolidated returns for affiliated corporations, the number of returns (series Y 381, Y 382, Y 386, and Y 392) is not the same as the number of corporations.

Total receipts of the corporations (series Y 383 and Y 387) include gross sales and receipts from operations, interest less amortizable bond premium, rents, royalties, net gain from capital assets (as defined by law) and other property, dividends, and other taxable income—all before "total deductions." These series also include nontaxable dividends from domestic corporations for 1918–1935 and nontaxable interest, but exclude all other nontaxable income. The data for 1916–1922 represent gross income. This was smaller than the total receipts by the amounts of wholly tax-exempt interest received on certain government obligations and, for 1918–1921, of nontaxable dividends.

Total deductions include the cost of goods sold and (beginning in 1932) the cost of operations, as well as other negative amounts reported under sources of income.

Net income (less deficit) (series Y 384 and Y 388) is gross taxable income less allowable current-year deductions, except statutory deductions. This category excludes tax-exempt interest on government obligations and, for 1918–1935, dividends from domestic corporations; these are included in total receipts. Beginning in 1936, contributions or gifts were deductible in determining net income. A deduction for amortization of emergency facilities was first allowable in 1940; the deduction was later extended to grain facilities and other items. Beginning with 1963, net income (less deficit) includes constructive taxable income from related foreign corporations.

Income tax (series Y 389), as shown for 1909–1915, represents tax collections. For 1909–1912, these amounts correspond to the corporate excise tax collections noted for the fiscal years 1910–1913 in the text for series Y 360, above. For the income year 1913, the amount represents income tax and excise tax. Beginning with 1916, "income tax" is the tax liability on the returns, but before deduction of credit for taxes paid to foreign countries or U.S. possessions. For 1936–1938, the amounts include surtax on undistributed profits, as well as normal tax. For 1940 and 1941, the series includes the income defense tax; for 1941–1970, normal tax and surtax; for 1942–1970, alternative tax; for 1963–1970, tax from recomputing prior year

investment credit; for 1967-1970, the surcharge; for 1969-1970, the additional tax for tax preferences.

Excess profits tax (series Y 390) for 1917-1922 comprises war profits tax and excess profits tax, and for 1933-1945, a declared-value excess profits tax effective for tax years that ended before July 1, 1946. Data for 1940 include the declared-value excess profits defense tax, and for 1940-1946, the excess profits tax under the Second Revenue Act of 1940. Amounts for 1942-1944 are for tax liability on the excess profits tax returns less a credit for debt retirement and the net postwar refund. Deferments under section 710(a)(5) of the 1939 Internal Revenue Code (relating to abnormalities under section 722) are reflected in the data for 1942 but not for 1943-1946. Amounts for 1943-1946 are after adjustments under various other relief provisions. The data for 1950-1954 are for the excess profits tax effective with respect to tax years from July 1, 1950, to December 31, 1953. For all years, the tax shown is before credit for foreign taxes paid.

Dividends paid (series Y 385 and Y 391) exclude liquidating dividends. They include all other dividends. In including dividends paid in the corporation's own stock, this series differs from similar series published elsewhere (e.g., U.S. Bureau of the Census, Statistical Abstract of the United States, 1973, table 640). For selected years, the amounts paid in stock, as included in the historical table, are as shown in table VI.

Table VI. Stock Dividends Paid: 1935 to 1970 In thousands of dollars

Income year	Included in series Y 385	Included in series Y 391	Income year	Included in series Y 385	Included in series Y 391
1970 1969 1968 1967 1966 1965 1964 1963 1963 1963 1962 1961	1,922,810 2,715,063 3,303,905 3,238,481 2,677,450 2,239,629 3,092,238 2,118,090 2,148,904 2,176,709	1,679,308 2,570,607 3,194,340 3,095,387 2,583,276 2,154,005 3,029,011 2,048,090 2,026,498 2,092,000	1960	1,965,587 2,173,518 1,603,895 1,777,670 2,725,210 1,996,477 1,350,041 1,110,260 1,292,460 139,989 135,851	1,865,572 2,091,226 1,507,144 1,696,463 2,676,783 1,965,391 1,316,460 1,089,355 1,278,908 130,578 112,162

Inactive corporation returns (series Y 392) are those which show no items of income or deductions.

Y 393-411. Individual income tax returns, 1913-1970.

Source: U.S. Internal Revenue Service, Statistics of Income, Individual Income Tax Returns, annual issues.

The data represent returns of residents and citizens, including those with addresses outside Alaska, Hawaii, and conterminous United States. Detailed tabulations for each year, 1961-1970, with data by levels of gross income and by States, appear in Statistics of Income, 1970, Individual Income Tax Returns, 1970, pp. 307-322.

As noted above in the text for internal revenue collections (series Y 359), the individual income tax has been a continuing element of the revenue system since 1913, but was included in Federal revenue legislation in two earlier periods.

During the Civil War decade, this tax was included in the first revenue act of the war, in 1861, at a flat rate of 3 percent on incomes above \$800. Before the initial rate took effect, it was superseded in 1862 by rates of 3 percent on up to \$10,000, 5 percent above that amount of net income, and an individual exemption of \$600. Rates were raised further in 1864. The highest rates, levied for a single year, were 10 percent on net income of \$600 to \$5,000, 12.5 percent on \$5,000 to \$10,000, and 15 percent above \$15,000. In 1867, the rate became a flat 5 percent on income of more than \$1,000; for 1870 and 1871, the rate was 2.5 percent and the exemption \$2,000. The law expired at the end of 1871.

An individual income tax law adopted in 1894 was patterned generally after the law of 1867. It provided a 2 percent tax rate on individual and corporate net income, with a \$4,000 exemption for individuals. Personal property received by gift or inheritance was to be included in net income. The act was declared unconstitutional in 1895 in a Supreme Court decision (Pollock v. Farmers' Loan and Trust Co., 157 U.S. 429, 158 U.S. 601). The personal income tax was not again levied until after adoption in 1913 of the Sixteenth Amendment to the Constitution. For data showing individual income tax collections covering the period 1863-1895, see text for series Y 359.

The data for 1913-1970 relate to returns filed under the income tax laws of 1913 and subsequent years. A return is required of every citizen or resident with gross or net income above a specified minimum. The requirements for filing have changed from time to time and are summarized below.

Table VII. Requirements for Filing Individual Income Tax Returns: 1913 to 1970

Year	Return required if net or gross income equaled or exceeded amount specified				
	Single, or married and not living with spouse	Married couple, joint return			
1970 1954–1969 1948–1953 1944–1947 1942–1943 1941	Gross, \$600 Gross, \$500 Gross, \$500 ⁵ Gross, \$750	Gross, \$2,300 ³ Gross, \$600 each spouse ⁴ Gross, \$600 each spouse Gross, \$500 each spouse Gross, \$1,200 ⁶ Gross, \$1,500 Gross, \$2,000			
1932–1939 1925–1931	Net, \$1,000 or gross, \$5,000 Net, \$1,500 or gross, \$5,000 Net, \$1,000 or gross, \$5,000 Net, \$1,000 or gross, \$5,000 Net, \$1,000	Net, \$2,500 or gross, \$5,000 Net, \$3,500 or gross, \$5,000 Net, \$2,500 or gross, \$5,000 Net, \$2,000 or gross, \$5,000 Net, \$2,000 Net, \$2,000			

¹ Through 1943, amount shown is combined net or combined gross income.

² Gross income of \$2,300 if age 65 or over.

³ Gross income of \$2,900, if one spouse age 65 or over; \$3,500 if both age 65 or over.

⁴ Gross income of \$1,200 for each person age 65 or older.

⁵ Also, for 1943, required to file if liable for 1942 tax, regardless of 1943 gross income.

⁶ Also, for 1948, required to file if gross income of either spouse exceeded \$624 or if either was liable for 1942 tax, regardless of 1943 gross income.

A joint return could be filed by husband and wife if income of both was included or if one spouse had no income.

For 1951-1970, a return was required of any individual whose net earnings for self-employment tax were \$400 or more, regardless of the gross income requirement for filing.

In addition, under the current tax payment system instituted in 1943, returns were filed to claim refunds of taxes overpaid, even though the individual was not otherwise required to file.

Fiduciary income of an estate or trust for 1913-1936 was reported on an individual return form when there remained in the hands of the fiduciary net income which was taxable to him and not distributed to beneficiaries. Such a return for net income taxable to the fiduciary was required under the same conditions as those stated above for single persons during this period.

Data for 1913-1915 were derived from annual reports of the Commissioner of Internal Revenue, net income being determined on the basis of number of returns filed and the average net income in each class. Subsequent data were taken from returns, unaudited except to insure proper execution. Data for 1916 were tabulated from each return, but for later years were compiled by sampling techniques to represent the universe of returns, Form 1040 and 1040A (replaced by W-2 for 1944-1947). Tabulated data cover individual and fiduciary returns with net income of \$3,000 or more, 1913-1916; returns with net income of \$1,000 or more, 1917-1920; returns with net income, 1921-1927; all individual and fiduciary returns with net income, but only individual returns with no net income, 1928-1936; individual returns with net income or no net income, 1937-1943; and individual returns with adjusted gross income or no adjusted

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gross income, 1944-1970, except that returns with no information were excluded for 1953-1956.

In the great majority of cases, the returns are for the calendar year, although some returns are for accounting periods ended during the calendar year. Also, some returns cover income attributable to several tax years. Prior to 1957, the tabulations of adjusted gross income (series Y 397) included only income attributed to the current tax year. For 1957 and later years adjusted gross income includes the whole amount received by the taxpayer within his tax year even if it was reported as income earned over a period of time that included prior tax years.

Adjusted gross income for 1944–1970 is total income reported for tax purposes less deductions for certain expenses generally related to the acquisition of income. These deductions include business and rental expenses, certain travel and transportation expenses of employees, depreciation allowed life tenants of property held in trust, allowable loss from the sale of capital assets and other property, adjustments for long-term capital gain, net operating loss deductions, and for 1954–1970, excludable sick pay, the limited exclusion of dividends, and expenses of salesmen. For 1964–1970, deductions of expenses of employees moving to a new job and deductions of pension plan contributions of self-employed persons were allowed.

Under the Internal Revenue Code of 1954, taxable income (series Y 398) for 1954–1970 is the base on which the tax is computed. It consists of adjusted gross income less nonbusiness deductions, standard or itemized. Itemized deductions are for taxes, contributions, interest, and other specified purposes, and also include all personal exemptions. The figures for taxable income embrace all returns, including those showing the so-called "optional tax," i.e., a tax determined by reference to a simplified tax table involving standard deductions rather than itemized nonbusiness deductions.

During 1948-1969, personal exemptions were \$600 a year for each person—the taxpayer, his spouse, and dependents. A taxpayer aged 65 or older was allowed an additional \$600 exemption for himself and, if a joint return was filed, for his wife if she was 65 or older. Likewise, an additional \$600 exemption was allowed a blind taxpayer or a blind spouse. For 1970 the exemption amount was raised to \$625.

Total income (series Y 405 and Y 409) for 1913-1943 is the gross income reported for income tax purposes under the act in effect for the income year. It is the total income after deduction of business and rental expenses and allowable loss on sales of capital assets and other property. Capital gain is included to the extent provided under successive acts.

Net income (series Y 406) for 1913-1943 is total income less authorized deductions. However, in the *Statistics of Income* for 1922-1931 the allowable prior-year loss was not deducted, and for 1924-1933 a capital loss that gave rise to a tax credit was not deducted. In the case of fiduciary net income, distribution to the beneficiary was an authorized deduction for 1913-1936. Net income in all years is measured before deduction of personal exemptions; it is not the tax base. The series is not available after 1943.

The small amounts of tax reported for 1938–1941 for returns with no net income (series Y 411) are an alternative tax on a small number of returns which showed a long-term capital loss and, for 1940 and 1941, a defense tax. For 1943, a victory tax was due on 17,438 returns with no net income.

Y 412-439. Individual income tax liability and effective rates, for selected income groups, 1913-1970.

Source: U.S. Department of the Treasury, unpublished data.

Maximum earned net income is assumed where it affects the amount of tax liability. In the case of the married couple (four exemptions), the computations assume prior to 1948 that only one spouse had income. Beginning with the income year 1948, all married couples have been permitted to combine their incomes in a joint return and to split the taxable income equally for purposes of the tax computation; a joint return on the split-income basis is therefore assumed for the married couple for the income years 1948–1970.

For the same years, persons of age 65 or older and blind persons were allowed additional exemptions; consequently, the illustrative data for 1948–1970 apply equally to any married couple claiming 4 exemptions, whether the additional exemptions were for dependents, age, or blindness.

The effective tax rate is the tax liability as a percentage of the amount of net income. The liability is the amount for income tax only, including the defense and victory taxes of 1940 and 1943; it does not include the self-employment tax for social security, applicable for 1951–1970.

Net income, as used here, is gross income (after 1943, adjusted gross income) minus nonbusiness deductions for contributions, interest, taxes, medical and dental expenses, and other allowable expenses, but before deduction of personal exemptions. Also excluded from net income (and from adjusted gross income) is tax-exempt interest on government obligations, excludable sick pay under the Revenue Act of 1954, certain expenses related to the acquisition of income, and other nontaxable income.

Statutory changes have been made from time to time in the allowable nonbusiness deductions. For example, the deduction for medical expenses was amended several times during 1944–1970. Another type of nonbusiness deduction, the amount allowed for contributions, was limited to 20 percent of adjusted gross income prior to 1954; for 1954–1970, taxpayers were allowed to deduct more than 20 percent to the extent that the excess (limited to 10 percent of adjusted gross income through 1969; 30 percent in 1970) was for contributions to hospitals, churches, or educational institutions.

In consequence of these and other changes, a given amount of net income could be associated with somewhat different amounts of gross income in different years. Even in any one year, a given amount of net income could be associated with different amounts of gross income for different taxpayers in accordance with their varying allowable deductions.

Beginning with the income year 1941, taxpayers with gross income of not more than \$3,000 from specified sources were allowed to use a simplified return, Form 1040A, with the tax determined by a table that allowed a standard percentage of earned income credit and deductions from income. Taxpayers who did not use the short form were required to itemize deductions. In either case, the 1943 victory tax had to be computed separately. Legislation simplifying the filing of tax returns made available (beginning in 1944) the option of a standard deduction of 10 percent of adjusted gross income, limited to \$500 for 1944-1947. For 1948-1970, the limit was raised to \$1,000 for single persons and for married persons filing joint returns. In general, this implies that, for 1944-1947, net incomes of \$4,500 or less and, for 1948-1970, net incomes of \$9,000 or less, as shown in the table, would represent adjusted gross incomes at least ten-ninths as large. (That is, \$800 net represents at least \$889 of adjusted gross income; \$1,000 net, at least \$1,111 gross; \$4,500 net, at least \$5,000 gross; etc.)

For some types of analysis, effective rates based on gross rather then net income might be more pertinent. Such rates can be computed by making uniform assumptions about the deductions associated with the several specified levels of net income. For example, if it is assumed that the standard deductions made up the whole difference between adjusted gross and net income in cases in which the standard deduction was available, the effective percentage rate of tax on adjusted gross income in these cases would be nine-tenths of the effective rates shown in series Y 412-439. For another type of computation of effective tax rates, see Internal Revenue Service, Statistics of Income, 1970, Individual Income Tax Returns, p. 149.

The history since 1913 of the personal exemptions (including credits for dependents) and of the range of tax rates applicable to taxable individual incomes is summarized below in table VIII, from the following publications: 1913-1950, Treasury Department, Annual Report of the Secretary of the Treasury, 1940, pp. 466-467, and 1950, p. 251; 1951-1957, Joint Economic Committee, The Federal Revenue

System: Facts and Problems, 1959, 86th Congress, 1st session, p. 189; and 1958-1970, unpublished Treasury Department data.

Table VIII. Federal Individual Income Tax Exemptions, and First and Top Bracket Rates: 1913 to 1970

	Personal exemptions					Tax rates			
Income	Single		Married			First bracket		Top bracket	
year	Single		Dependents			Rate (per-	In-	Rate In- (per-	In- come-
		None	1	2	3	cent)	come	cent)	over-
1970 ^{1 2} 1969 ^{2 3} 1968 ^{2 4} 1965—1967 ²	600 600	1,200 1,200	\$1,875 1,800 1,800 1,800 1,800	\$2,500 2,400 2,400 2,400 2,400 2,400	3,000 3,000 3,000	14 14 14	\$500 500 500 500 500	77 75.25 70	100,000
1954-1963 2 1952-1953 2 1951 2 1950 2 1948-1949 2	600	1,200 1,200 1,200 1,200	1,800 1,800 1,800 1,800 1,800	2,400 2,400 2,400	3,000 3,000	20 22.2 20.4 17.4	2,000 2,000 2,000 2,000	5 91 5 92	200,000 200,000 200,000 200,000 200,000
1946~1947 1944~1945 1942~1943 6 1941 1940		1,000 1,200 1,500	1,500 1,500 1,550 1,900 2,400	2,000 2,000 1,900 2,300 2,800	2,500 2,500 2,250 2,700 3,200		2,000 2,000 2,000	88 81	200,000 200,000 200,000 5,000,000 5,000,000
1936-1939 1934-1935 1932-1933 1930-1931 1929	1,000	2,500 2,500 3,500	,2,900 2,900 2,900 3,900 3,900	3,300 4,300	3,700 3,700 3,700 4,700 4,700	74 4 811/8	4,000 4,000 4,000 4,000 4,000	63 25	5,000,000 1,000,000 1,000,000 100,000 100,000
1925-1928 1924 1923 1922 1921	1,000 1,000 1,000		3,900 2,900 2,900 2,900 2,900	3,300 3,300 3,300	3,700	* 11/2 3 4	4,000 4,000 4,000 4,000 4,000	25 46 56 56 73	100,000 500,000 200,000 200,000 1,000,000
1919-1920 1918	1,000 1,000 3,000	2,000 4,000	2,200 2,200 2,200 4,000 4,000	2,400 2,400 4,000	2,600 4,000	6 2 2	4,000 4,000 2,000 20,000 20,000	73 77 67 15	1,000,000 1,000,000 2,000,000 2,000,000 500,000

Y 440-449. Federal estate tax returns, 1916-1970.

Source: U.S. Internal Revenue Service, Statistics of Income, Estate Tax Returns.

These data are from returns filed, before audit. Data for returns filed in 1966 and 1970 are based on a sample.

The Federal estate tax is a levy upon the transfer of property by a decedent. It differs from inheritance taxes, in which, generally, the tax is on the privilege of receiving property by inheritance and is levied upon the heirs.

The base of the tax is the value of the gross estate transferred, adjusted for exclusions, deductions, and exemptions. The tax is imposed at graduated rates, and certain credits are allowed against the tax so computed.

The estate tax in its present form became a permanent part of the Federal tax system in 1916, but four times earlier death taxes had been imposed by the Federal Government. During 1797-1802, a stamp tax applied to succession to personal property by inheritance. The Civil War Revenue Act of 1862 included an inheritance tax which was substantially increased in 1864; this tax was repealed in 1870. The income tax act of 1894 included an inheritance tax that was abandoned when the income tax was declared unconstitutional. The Revenue Act of 1898, for financing the Spanish-American War,

included a short-lived tax applicable to all estates of over \$10,000, except those inherited by spouses.

Table IX summarizes the history of Federal estate tax rates and exemptions for 1916-1970. An estate tax return was required if the value of the gross estate at the date of death exceeded the allowable specific exemption as shown in the table and footnote 1.

The estate of an individual who died in the period June 6, 1932, through August 16, 1954, was subject to two estate taxes-basic and additional. Basic tax was at the rates provided in the 1926 act; additional tax was the excess of a tentative tax at rates provided by the act in force at date of death, over the basic tax. Under the 1954 Code, these two taxes were combined and a single tax rate applied to the net taxable estate.

Table IX. Estate Tax Rates, Specific Exemption, and Insurance Exclusion: 1916 to 1970

Date of death	Tax rates, range (percent)	Minimum rate ap- plies to first—	Maximum rate ap- plies above	Specific exemp- tion ¹	Insurance exclusion
Oct. 22, 1942-1970 Sept. 21, 1941-Oct. 21,	3.0-77	\$5,000	\$10,000,000	\$60,000	
1942	3.0-77	5,000	10,000,000	40,000	\$40,000
1941	² 2 . 0-70	10,000	50,000,000	40,000	40,000
May 11, 1934-Aug. 30, 1935-	1.0-60	10,000	10,000,000	50,000	40,000
June 6, 1932-May 10, 1984	1.0-45	10,000	10,000,000	50,000	40,000
Feb. 26, 1926-June 6, 1932	1.0–20	50,000	10,000,000	100,000	40,000
1926	³ 1.0–25	50,000	10,000,000	50,000	40,000
Oct. 4, 1917-Feb. 24, 1919	2.0-25 1.5-15	50,000 50,000	10,000,000 5,000,000	50,000 50,000	
1917	1.0-10	50,000	5,000,000	50,000	

¹For estate of resident citizen or alien. The same specific exemption was granted for estates of nonresident citizens dying after May 10, 1934. Exemptions were not granted to estates of nonresident aliens until Oct. 22, 1942, when a \$2,000 exemption became available.
²For deaths from June 26, 1940, to Sept. 20, 1941, a defense tax was added equal to 10 percent of the net estate tax (computed at the rates of 2 to 70 percent) after deduction of credits for gift taxes and State death taxes.
³Higher rates, ranging from 1 percent to a top-bracket rate of 40 percent on the excess over \$10,000,000 were provided in the Revenue Act of June 2, 1924, but the rates of the 1921 act were restored retroactively Feb. 26, 1926. Refunds were authorized for overpayments made at the higher rates. The net tax (series Y 445 and Y 449) was computed at the lower rates (Statistics of Income, 1925, pp. 70-71, 82).
Source: Adapted from Internal Revenue Service, Statistics of Income, various issues; U.S. Department of the Treasury, Annual Report of the Secretary of the Treasury, 1940, pp. 478-479, and 1950, p. 258.

A marital deduction for bequests to the surviving spouse applied to the estates of persons who died after 1947. The deduction is limited to the smaller of either one-half the value of the adjusted gross estate or the value of the qualifying property interests which pass to the surviving spouse. The impact of this provision is reflected in the statistics.

Gross estate (series Y 442 and Y 447) includes all property possessed to the extent of the decedent's interest therein at death, including certain transfers made during life without full consideration, joint estates, tenancies by the entirety, dower and courtesy of surviving spouse, and life insurance on the life of the decedent if the estate was administered under the 1942 or subsequent acts. The value of the gross estate may be either the value at date of death or as of the date one year after death, whichever the executor elected in case death occurred on or after August 31, 1935.

Net taxable estate (series Y 443 and Y 448) is gross estate less the deductions and specific exemptions allowed under the act in effect at date of death. These have varied somewhat among the different acts.

Y 450-456. Federal gift tax returns, 1924-1966.

Source: U.S. Internal Revenue Service, Statistics of Income, Gift Tax Returns.

¹ Includes 2.5 percent surcharge, but lowest bracket unaffected; maximum effective rate on earned income is 60 percent.
² Additional exemptions of \$600 (\$625 in 1970) are allowed to taxpayers and their spouses on account of blindness and/or age 65 or older.
³ Includes 10 percent surcharge, but lowest bracket unaffected.
⁴ Includes 7.5 percent surcharge, but lowest bracket unaffected.
⁵ Subject to maximum effective rate limitation: 90 percent for 1944-45, 85.5 percent for 1946-47, 77 percent for 1948-49, 80 percent for 1950, 87.2 percent for 1951, 88 percent for 1952-53, and 87 percent for 1954-59.
⑤ Exclusive of victory tax.
³ Before earned income credit allowed as a deduction equal to 10 percent of earned net income.

 ⁸ After earned income credit equal to 25 percent of tax on earned income.
 9 If net income exceeds \$5,000, married person's exemption is \$2,000.

Y 457-471 GOVERNMENT

These data are from returns filed, before audit. Data for returns filed in 1961, 1963, and 1966 are based on a sample. Data have not been tabulated in years for which no figures are shown.

The Federal gift tax, like the estate tax, is a levy upon transfers of property by gift. The tax is a liability of the person making the gift and is based upon the value of the transferred property.

The gift tax was first levied for 1924 and 1925. For these years, a return was required for gifts of property located in the United States. made by individuals, corporations, associations, partnerships, trusts, or estates, if total gifts exceeded the sum of authorized deductions for exemption, charitable gifts, and previously taxed property, and if the aggregate exceeded \$500 to any one donee.

The present gift tax was introduced in 1932 in connection with substantial revisions in the estate tax. The rates were three-fourths of those in the estate tax, and this relationship was maintained through subsequent revisions (subject, however, to differences in the effective dates of rate and exemption changes). A return was required during 1932-1970 if aggregate gifts in the year to any donee exceeded the allowable annual exclusion per donee and for gifts of future interests regardless of value. Tax rates, specific exemptions, and annual exclusions are summarized in table X.

Table X. Gift Tax Rates, Exemptions, and Exclusions: 1924 to 1970

Calendar year of gift	Tax rates,	Minimum	Maximum	Specific	Annual	
	range	rate applies	rate applies	exemp-	exclusion	
	(percent)	to first—	above—	tion 1	per donee	
1943-1970	2.25-57.75	\$5,000	\$10,000,000	\$30,000	\$8,000	
	2.25-57.75	5,000	10,000,000	40,000	4,000	
	21.5-52.5	10,000	50,000,000	40,000	4,000	
	1.5-52.5	10,000	50,000,000	40,000	5,000	
	75-45	10,000	10,000,000	50,000	5,000	
	75-33.5	10,000	10,000,000	50,000	5,000	
	1-25	50,000	10,000,00	50,000	500	

¹ During 1924-1925, allowed in each calendar year; in later years, allowed only

Since 1932 the tax has applied to individuals only (citizens, residents, or nonresident aliens) for transfer of property situated in the United States.

Gift tax rates are progressive in application; that is, current graduated rates are applied to (a) the aggregate net taxable gifts made after June 6, 1932, and to (b) the aggregate net gifts exclusive of those made in the current year—the excess of tax in (a) over (b) being the current tax liability.

As indicated in table X, the donor is allowed to exclude gifts of less than a specified amount to each recipient in each year. This annual exclusion was \$3,000 for each donee for the years 1943-1970. In addition, a specific exemption (\$30,000 during 1943-1970) is allowed each citizen or resident and may be taken, at his option, entirely in a single year or spread over a number of years. After April 2, 1948, a marital deduction of one-half of the value of gifts made between a husband and wife was allowed citizens and residents.

Total gifts (series Y 452 and Y 456) is the value of property (real property or tangible or intangible personal property) transferred without full consideration in money or money's worth, whether transferred in trust or otherwise, whether direct or indirect, or of future interests. Generally, gifts of less than the allowable annual exclusion for each donee are not reported, except that gifts of future interests must be included regardless of value (and, for 1939-1942, gifts in trust).

Net taxable gift (series Y 453) is the tax base. It is the value of total gifts minus the exclusion for each donee, deductions, and specific exemptions.

Y 457-465. Outlays of the Federal Government, 1789-1970.

Source: All series except Y 463, U.S. Department of the Treasury, Statistical Appendix to Annual Report of the Secretary of the Treasury, 1970, pp. 8-16. Series Y 463, 1789-1946, Department of the Treasury, Annual Report, 1946, pp. 422-423; 1947-1970, U.S. Office of Management and Budget (formerly Bureau of the Budget), Budget of the United States Government, annual issues, 1949-1970.

Data for 1954-1970 are unified budget outlays. For earlier years data are for the administrative budget, so they exclude expenditures from trust funds. Series Y 466-471 show consolidated cash data for the years 1940 through 1953. The consolidated cash data are more comparable to the unified budget data than are the administrative budget data, but data on cash payments by agency are not available.

In the case of public enterprise funds (including the postal service) and various intra-governmental funds, expenditures included in the total are on a net basis—that is, their collections are deducted from gross expenditures and the results are the net expenditures included in Federal Government expenditure accounts. In the case of the postal service, the net postal expenditure is included in the total and "other" (series Y 457 and Y 462) expenditures in the years in which there was a postal deficit. For a historical series showing gross postal expenditures in relation to postal receipts, see references in text for series Y 352-357.

Expenditures for 1789-1915 are based on warrants issued; for 1916-1952, on the Daily Statement of the United States Treasury; for 1953-1970, on the Treasury's Monthly Statement of Receipts and Expenditures of the United States Government.

In the Monthly Statement, expenditures are reported on the basis of checks issued by disbursing officers, except for interest on the public debt and payments made in cash. Where payment is made by the issuance of bonds or by an increase in their redemption value. instead of by the issuance of checks, such an issuance or increase is an expenditure. Interest on the public debt is reported on an accrual basis. For years prior to those reported in the Monthly Statement, interest on the public debt is reported on the same basis as other expenditures.

The figures for 1916-1952 were compiled from daily reports received by the Treasurer of the United States from Government depositaries and Treasury offices holding Government funds. On this basis, the expenditures include payments on checks outstanding at the beginning of the fiscal year and do not include checks unpaid at the end of the year. Beginning with the fiscal year 1947, expenditures of several departments and establishments were reported on the basis of checks issued, so that the detail in the daily statement was partly based on checks issued, partly on checks paid. The change to the monthly statement basis eliminated the necessity for showing an item of "adjustment to daily Treasury statement basis" in tabulations presenting components of the expenditure total.

Y 466-471. Outlays of the Federal Government, by major function, 1900-1939.

Source: U.S. Bureau of the Budget, unpublished data. Basic data are from the following:

1900-1914. Adapted from Bureau of the Budget compilation for 1900-1948 in U.S. Congress, Congressional Record, 80th Congress, 2d session, vol. 94, pt. 2, March 11, 1948, pp. 2576-2577. Series Y 469, veterans services and benefits, supplied from the Treasury compilation in series Y 463 (see below). Tax refunds of \$10 million a year deducted from 1913 and 1914 to conform to the 1959 Federal Budget Mid-Year Review (September 1958), p. 42, where budget receipt and expenditure totals are shown for each year, 1900-1939, with refunds excluded starting in 1913.

1915-1920. Congressional Record, cited above, but with tax refunds deducted.

1921-1938. Unpublished Bureau of the Budget table for 1920-1939, September 17, 1958; but with series Y 468, International affairs and finance, supplied from Congressional Record, cited above.

¹During 1924-1926, anowed in each catendar year; in later years, anowed only once.

² From June 26, 1940, through 1941, subject to additional defense tax equal to 10 percent of basic tax liability.

³ In effect for gifts June 7, 1932, and later.

⁴ In effect June 24, 1924.

Source: Adapted from Internal Revenue Service, Statistics of Income, various issues; U.S. Department of the Treasury, Annual Report of the Secretary of the Treasury, 1940, pp. 478-579, and 1950, p. 258.

1939. Unpublished Bureau of the Budget table for 1939–1950, February 1959.

As Federal Government operations expanded in volume and variety, the limited classification of expenditures exemplified in series Y 457–465 (even when supplemented with additional items and subdivided to give more specific categories) was inadequate to delineate the scope of Government programs and to focus attention on significant shifts in the purpose of expenditures. The text for series Y 472–487 explains the development to and definitions of the current Government expenditures.

Series Y 469, veterans services and benefits, may be slightly understated for 1900–1914, as it comprises only the payments for veterans compensation and pensions, the same as series Y 463. Any such understatement in series Y 469 apparently would not exceed \$12 million a year and is balanced by an equal overstatement in the residual series, Y 471, for "All other."

Refunds are excluded from series Y 466-471 since 1912. Consequently, total expenditures, series Y 466, for 1913-1930 deviate from those shown in series Y 336 and Y 457 by the amount of refunds.

Y 472-487. Outlays of the Federal Government, by major function, 1940-1970.

Source: U.S. Office of Management and Budget, Federal Government Finances (mimeographed tables), October 31, 1972.

A systematic classification of expenditures by major functional categories and more specific subfunctions was introduced in the budget for the fiscal year 1948. Although each succeeding annual budget modified some of the categories or shifted particular items from one classification to another, continuity of the series was maintained by adjusting the data for prior years so that the data for each function is as consistent as feasible. Details concerning the composition of the classifications shown here (including the subfunctional groupings) may be found in the 1973 budget document.

In 1967 the President's Commission on Budget Concepts recommended substantial changes in the budget concept. These changes were first reflected in the 1969 Budget but the data were carried back on a comparable basis through 1954. While historical data on the current budget basis are not available prior to 1954, the consolidated cash statements are a reasonable approximation for earlier years. The principal differences between the cash and unified budget data are: (1) many proprietary receipts are included in the consolidated cash statement as income but are offsets to outlays under the unified budget, (2) the cash statement has certain timing adjustments not made in the unified budget, and (3) certain activities—such as two privately-owned but federally-chartered banking institutionsincluded in the cash totals but excluded from the unified budget totals. In all cases, the functional data for the consolidated cash statement have been made as comparable as feasible; the discontinuities are concentrated in the unallocable column. For a more complete discussion see text for series Y 339-342.

For years prior to 1940, the figures in series Y 457-465 are a rough approximation of certain functional categories. The sum of expenditures for the Department of the Army and the Department of the Navy are roughly equivalent to the national defense function; interest on the public debt is roughly equivalent to the interest function, and veterans compensation and pensions (series Y 463) is roughly equivalent to veterans benefits and services (series Y 469).

Y 488-492. Gross Federal debt outstanding, 1939-1970.

Source: U.S. Office of Management and Budget, Federal Government Finances (mimeographed tables), October 31, 1972.

Gross Federal debt is the broadest generally used measure of the Federal debt. It is composed primarily of the public debt (direct borrowing by the Treasury) but also includes agency debt (such as borrowing by the Tennessee Valley Authority or the Postal Service). About three-fourths of the gross debt is held by the public, and about

one-fourth is held by Government accounts. The Government-held debt results from the fact that the surpluses of trust funds are normally invested in public debt securities. The interest payments on this Government-held debt are made from one account within the budget to another account within the budget and do not, therefore, affect the budget deficit or surplus. Only the debt owed to the public gives rise to net budget expenditures for interest.

The Federal Reserve System is an independent, federally-chartered, central banking system. As the System is not included in the Federal budget, debt held by the System is included in "debt held by the public." Interest paid on Federal debt held by the System is not, therefore, an intrabudgetary transaction. However, since 1947 the Federal Reserve System has made annual payments to the Treasury from its surplus, which, in turn, arises primarily as a result of interest payments made by the Treasury to the Federal Reserve. In 1970, these payments amounted to \$3.3 billion, equal to the bulk of interest payments to the Federal Reserve System. Thus, interest payments to the Federal Reserve System have very little net effect on the budget deficit or surplus.

This series differs from series Y 493-504, which excludes Federal agency debt issuances. See also text for series Y 493-504.

Y 493-504. Public debt of the Federal Government, 1791-1970.

Source: Series Y 493-497, U.S. Department of the Treasury, Statistical Appendix to Annual Report of the Secretary of the Treasury, 1970, pp. 60-61. Series Y 498-499, 1855 and 1892-1915, U.S. Bureau of Foreign and Domestic Commerce, Statistical Abstract of the United States, 1921, p. 829; 1856-1891 and 1916-1970, U.S. Department of the Treasury, Annual Report, 1891, p. XCIV, 1946, p. 546, and Statistical Appendix, 1970, pp. 220-221. Series Y 500-504, 1880-1915, U.S. Department of the Treasury, unpublished data; 1916-1970, Annual Report, 1946, p. 459, 1958, pp. 472-473, 1967, p. 506, and Statistical Appendix, 1970, p. 66.

The total public debt (series Y 493) as reported at the end of each fiscal period is essentially the formal funded debt of the Federal Government, both long-term and short-term. It includes savings bonds at current redemption value. It differs from gross Federal debt (series Y 488) in that public debt represents borrowing by the Department of the Treasury; gross Federal debt also includes borrowing by Federal agencies. (The Federal agency debt outstanding at the end of fiscal 1970 was \$12.5 billion.)

Studies by Paul B. Trescott and others have suggested that the debt totals (series Y 493) as compiled by the Treasury Department for the early years of the Republic—1791 into the early 1800's—may omit obligations incurred otherwise than by the issuance of Treasury obligations and may include some contingent liabilities that would be excluded by the definitions adopted in later years. (Trescott, unpublished memoranda; see also Paul Studenski and Herman E. Krooss, Financial History of the United States, McGraw-Hill, New York, 1952, p. 3, footnote 1.) See also text for series Y 335-338.

Although nearly all the public debt is interest-bearing, the total includes some obligations that bear no interest and matured debt on which interest has ceased. In recent years, a substantial part of the public debt has been held in the trust funds and other Treasury investment accounts. (For the ownership of Federal public debt securities at several dates for 1960–1970, see the Annual Report of the Secretary of the Treasury, 1970, p. 14, and Statistical Appendix (ibid.), p. 230.) Certain unfunded obligations of the Government are not counted in the public debt—for example, a potential obligation of the Government for unpaid employer contributions to the civil service retirement and disability fund.

The formal concept of "the public debt," as used in Federal fiscal reports, appears to have emerged following initial enactment of a statutory ceiling on the debt of the Federal Government. Such a ceiling was first provided in the Second Liberty Bond Act of 1917; prior to May 26, 1938, the limitation applied to particular segments of the debt, not to the total. The debt ceiling has been modified from time to time in subsequent legislation. For a tabular summary of

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the debt limit legislation, 1917-1970, see Statistical Appendix to Annual Report of the Secretary of the Treasury, 1970, p. 108. See also Marshall A. Robinson, The National Debt Ceiling, An Experiment in Fiscal Policy, The Brookings Institute, Washington, D.C., 1959.

Despite the close relationship of "the public debt" (series Y 493) to the debt limitation, series Y 493 includes a relatively small amount of obligations not subject to statutory limitations. Robinson, cited above, points out (p. 8) that "the Federal debt is part of a larger structure of Federal Government obligations.... The legally defined gross Federal debt... is the debt that falls under the debt limitation, and it is what general usage calls the national debt." For a rough estimate of some additional obligations not included in "total gross debt," see a compilation by the Comptroller General of the United States; in Investigation of the Financial Condition of the United States: Hearings Before the Senate Committee on Finance, 85th Congress, 1st session, vol. 1, June 26, 1957, pp. 81-82, 269.

Various writers have contended that the most meaningful measure of the national debt in economic terms is "debt owed to the public." "Debt held by the public," series Y 490, closely corresponds to this concept, which includes Federal agency as well as Treasury (public) debt issues.

The computed annual interest charge, series Y 498, represents the amount of interest that would be paid if each interest-bearing issue outstanding at the end of the year should remain outstanding for a year at the applicable annual rate of interest. The charge is computed for each issue by applying the appropriate annual interest rate to the amount outstanding on that date. The aggregate charge is the total of the computed amounts for all interest-bearing issues. The average annual rate is computed by dividing the computed annual interest charge for the total of outstanding issues by the corresponding principal amount. Beginning December 31, 1958, the computed average rate is based upon the rate of effective yield for issues sold at premiums or discounts. Before that date the computed average rate was based upon the coupon rates of the securities.

Y 505-848. General note.

The concepts and terms used in these series were originally developed for the Bureau of the Census reporting on finances of State and local governments. These concepts have also been applied to Federal Government data to provide comparable comprehensive aggregates covering all levels of government.

For a full discussion of basic concepts and terminology and of the classifications of revenue and expenditure, see the source for years 1902–1967 for series Y 505–566, pp. 1–12. A few of the more important items are discussed here.

General revenue and general expenditure, as used in these series, refer to all sources or purposes other than certain specifically defined utility, liquor store, and insurance trust operations.

Intergovernmental revenue and intergovernmental expenditure refer to transactions between the Federal, State, and local governments. To avoid double counting, such transactions are netted out of aggregates comprising the groups of governments concerned. Transactions with governments of other countries are not defined as intergovernmental. The value of intergovernmental aid "in kind" (for example, commodities or other property given by the Federal Government to State or local government agencies) is not included in either intergovernmental or other revenue of the receiving government; the expenditures involved in granting such aid are included in direct expenditure of the granting government.

Besides intergovernmental aid "in kind," the following types of transactions between governments have not been isolated for special treatment as intergovernmental revenue or expenditure:

a. Contributions by local governments to State-administered retirement systems that cover their employees. These are included without distinction as part of the "current operation" expenditure of the local governments, and the receipts are included with State insurance trust revenue.

- b. Interest paid or received on obligations of one government held by another government.
- c. Transactions in which governments deal as ordinary suppliers and customers—e.g., in purchasing property, utility services, or supplies from one another.

Direct expenditure comprises all expenditure other than intergovernmental expenditure.

Since the data utilized for each individual government represent a consolidation of amounts from its various funds, payments between funds are eliminated for census reporting. Thus, a government employer contribution to a retirement fund it administers is not counted as expenditure, nor is the receipt of this contribution by the retirement fund considered revenue; only the payment out of the fund for retirement benefits is classified in the census tabulations as a governmental expenditure (in this particular illustration, an insurance trust expenditure).

The substantial amount of interest paid by the U.S. Treasury to the Federal insurance trust funds, which have all their reserves invested in Federal securities, is excluded from Federal interest expenditure and insurance trust revenue to avoid double counting in Federal financial aggregates. However, the principle of eliminating interfund transactions is not followed in the case of interest paid by a State or local government on any of its own securities held as an investment by insurance funds it administers—mainly because of the difficulty of identifying such transactions.

Y 505-566. Federal, State, and local government finances, 1902-1970.

Source: U.S. Bureau of the Census, 1902-1967, Census of Governments, 1967, vol. 6, No. 5, Historical Statistics on Governmental Finances and Employment; 1968-1970, Governmental Finances in 1970-71.

These data are a consolidation of data for the Federal Government in series Y 567-637 and for State and local governments in series Y 652-709. The amounts in these series are net of intergovernmental transactions between the Federal, State, and local governments.

Y 567-637. Federal Government finances, 1902-1970.

Source: See source for series Y 505-566.

The Bureau of the Census classification of Federal fiscal data was used in annual reports on Governmental Finances for the fiscal years 1952 through 1970. Derivation of the Federal Government data for earlier years is described on pp. 8-9 of Historical Summary of Governmental Finances in the United States (Census of Governments: 1967, vol. IV, No. 3).

The classification used by the Bureau of the Census for reporting State and local government finance statistics differs from the classification used in the U.S. Budget. Accordingly, it was necessary to recast U.S. Budget data. This involved not only (1) grouping of individual Federal receipt items and "budget expenditure" amounts for various agencies and appropriation items in accordance with the functional framework used for reporting of State and local government finances, but also (2) applying certain adjustments to Federal "budget receipts" and "budget expenditures" data in order to arrive at "revenue" and "expenditure" amounts, as reported here. These adjustments took account of the following major differences between these series:

- (1) The financial transactions of government enterprises are included in Federal budget figures only to the extent of their net effect (plus or minus) upon budget expenditures; Census figures include gross revenue and expenditure of government enterprises (other than loan and investment transactions).
- (2) Receipts from various enterprises or market-oriented Federal activities, from interest on loans the government has made, from sales of property or products, and from certain other reimbursements from non-Federal sources, as well as receipts from charges

for quarters and subsistence furnished to employees are treated in the Federal budget as offsets against expenditures and result in reducing Federal expenditure totals of related activities. For census purposes, these amounts are counted as revenue and added back to expenditure.

- (3) Federal budget receipts and expenditures now include various financial transactions of trust funds which were excluded before fiscal 1967. Such transactions are included in census reporting of Federal revenue and expenditure, except for trust funds handled on an agency basis for State and local governments (e.g., the State accounts in the unemployment compensation fund, and District of Columbia funds).
- (4) Although interfund and intragovernmental transactions are netted out of Federal budget totals, such transfer amounts are included in Federal figures for various receipts and expenditure categories. Census figures exclude such transfers.
- (5) Federal budget expenditures include interest accrued but not paid during the fiscal year; census data on interest are on a disbursement basis.
- (6) The net excess of loan disbursements or loan repayments of Federal loan accounts is added to expenditures or to receipts in developing budget totals. Such loan transactions are excluded from census reporting of Federal data.

In the 1967 Census of Governments reports, the introductory text includes detail for 1942–1967 for the census category, "National defense and international relations," showing how related items in Federal budget reports are regrouped in the Census of Governments classifications; and for 1902–1967, showing the census treatment of items grouped in Federal budget reports under "Veterans services and benefits." Other functional categories also differ from those shown for the Federal Government in series Y 335–471.

Federal Government indebtedness and the change in debt outstanding (series Y 601-604) correspond with "public debt" as reported by the U.S. Treasury. Consequently, series Y 601 is the same as series Y 493.

Y 638-651. Federal grants to State and local governments, 1930-1970.

Source: U.S. Social Security Administration, Social Security Bulletin, September 1971, p. 16. These series were compiled from the following Department of the Treasury sources: Annual Report of the Secretary of the Treasury, 1939–1940 and 1946–1970, supplemented by Federal agency published and unpublished reports; 1941–1945, Annual Report of the Secretary of the Treasury, Combined Statement of Receipts, Expenditures, and Balances of the United States Government and agency reports.

The definition of Federal grants used in compiling these series differs from that used by the Treasury Department. These data are confined to grants for cooperative Federal-State or Federal-local programs administered at the State and/or local level and to those programs in which the bulk of the funds is channeled through agencies of State and local governments. Emergency grants and the value of grants-in-kind, such as surplus foods distributed domestically or Braille materials for the blind, are included when they conform to these criteria. Shared revenues and payments in lieu of taxes are excluded from series Y 638-651 although included in the Treasury series, as are programs in which the States or localities act solely as agents of the Federal Government. Loans are excluded by definition.

The categories of grants (health, education, etc.) follow the organization of programs in the Social Security Administration's social welfare expenditures series, with the addition of the "Highways" and "All other" groups. "All other" grants are often presented with further breakdown of "Urban affairs," "Agriculture and natural resources," and "Miscellaneous" grants. A detailed list of the grants programs in each group can be found in the source annual as well as

in the Federal grants article in the Social Security Bulletin, usually in the June issue.

Y 652-848. State and local government finances, 1902-1970.

Source: See source for series Y 505-566.

Periodic surveys of State and local government finance began in 1850; for that year and 1860 the data were published in conjunction with reports of the population census. For 1870–1922, the State and local government data were reported at approximately decennial intervals under the title, Wealth, Debt, and Taxation; for 1932, as Financial Statistics of State and Local Governments; and for 1942, 1957, 1962, and 1967, as the Census of Governments.

Census Bureau statistics on governmental finances, as initially published, have been broadly comparable within the three periods: Pre-1937, 1937 to 1950, and 1951 and subsequent years, but are less directly comparable from one period to another. The financial statistics shown here for 1950 and earlier years are substantially taken from several earlier studies, by which the statistics for particular years, as originally published, were recast and supplemented to derive comprehensive data in terms of the basic classification pattern which has applied since 1951.

For a summary discussion of the periodic censuses and annual Census Bureau reporting on governmental finances, see Census of Governments, 1967, vol. 6, No. 5: Historical Statistics on Governmental Finances and Employment, pp. 6–12. That report, and the similar "Historical" reports from the 1962 and 1957 censuses on governments present comparable nationwide data, by level of government, for selected years back to 1902, outline data classification changes, discuss the development of historically consistent data, and cite key source documents. They also provide combined State-local figures, by State, for selected years back to 1942.

For financial statistics of the individual State and local governments in 1967, see the detailed reports of the *Census of Governments*, 1967, especially vol. 4, presenting a separate bulletin for each State area.

For financial statistics in detail for the individual State governments, see the annual compilation by the Bureau of the Census, State Government Finances, issued for 1942–1957, as Compendium of State Government Finances; and for 1915–1941, as Financial Statistics of States. There were no volumes for 1920 and for 1932–1936; partial data were published for 1921; and data for 1932 were collected for 41 States but were not compiled fully or published.

Reports for earlier years used systems different from those applied since 1951. Figures for individual States on the later reporting basis are available in Bureau of the Census, *Revised Summary of State Government Finances*, 1942–1950, (State and Local Government Special Studies No. 32, 1953).

For detail for individual large city governments, and in many years for every city with population above 25,000 or 30,000, see the annual compilations published by the Department of Labor for 1898–1901 and by the Bureau of the Census for 1902–1941 (with gaps for the years 1914 and 1920), as Financial Statistics of Cities (with early variations in title), for 1942–1957, as Compendium of City Government Finances, and since 1957, as City Government Finances. Prior to 1932, the city statistics covered cities of 30,000 inhabitants or more in the preceding decennial census. For 1932–1941, coverage was limited to cities of 100,000 or more; for 1942–1959, the population minimum was 25,000; and beginning 1960, a 50,000 minimum has been applied. Since 1956, nationwide aggregates have been published annually, including sample-based estimates for the smaller municipalities.

A series on county governments also was published for 1943–1946, following the inclusion of all county governments in the Census of Governments for 1942. The county series yielded nationwide aggregates of county transactions and individual statistics for large counties.

Series Y 272-289. Public Employees, by Type of Government: 1940 to 1970

[In thousands. As of October 31 except as noted]

			Sta	ite and le	ocal		State						Loc	al ²		•		
	All gov- ern-	Fed- eral ¹ (civil-			Other			Other		All local		Munici	palities	Cou	nties			nips and districts
Year	ments	ian)	Total	Educa- tion	than educa- tion	Total	Educa- tion	than educa- tion	Total	Educa- tion	Other than educa- tion	Total	Other than educa- tion	Total	Other than educa- tion	School districts	Total	Other than educa- tion
	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289
ALL EMPLOYEES	10.000		40.44															
1970 1969 1968 1967 1966	13,028 12,685 12,842 11,867 11,388	2,881 2,969 2,984 2,993 2,861	10,147 9,716 9,358 8,874 8,527	5,297 5,061 4,829 4,550 4,313	4,850 4,655 4,530 4,324 4,214	2,755 2,614 2,495 2,335 2,211	1,182 1,112 1,037 940 866	1,458 1,395	7,392 7,102 6,864 6,539 6,316	1 3 610	3,277 3,154 3,072 2,929 2,869	2.112	1,815 1,747 1,714 1,633 1,613	1,229 1,163 1,151 1,077 1,043	902 881 832	3,176 3,028 2,919	604 599 573 549 543	477 468
1965 1964 1963 1962 1961	10,589 10,064 9,736 9,388 9,100	2,588 2,528 2,548 2,539 2,484	8,001 7,536 7,188 6,849 6,616	8,960 3,674 8,437 3,224 3,050	4,041 3,862 3,751 3,625 3,566	2,028 1,873 1,775 1,680 1,625	789 656 602 555 518	1,289 1,217 1,173 1,126 1,106	5,973 5,663 5,418 5,169 4,992	3,221 3,018 2,835 2,670 2,532	2,752 2,645 2,578 2,499 2,460	1,884 1,817 1,782 1,696 1,734	1,560 1,514 1,498 1,434 1,448	979 936 875 862 821	737 698 686	2,161	510 474 456 449 427	395 380 379
1960 1959 * 1958 1957 ³ 1956	8,808 8,487 8,297 8,047 7,685	2,421 2,399 2,405 2,439 2,410	6,387 6,088 5,892 5,608 5,275	2,918 2,745 2,589 2,461 2,283	3,469 3,843 3,303 3,147 2,992	1,527 1,454 1,408 1,300 1,268	474 443 406 375 353	1,053 1,011 1,002 925 915	4,860 4,634 4,484 4,307 4,007	2,444 2,302 2,183 2,086 1,980	2,416 2,332 2,302 2,221 2,077	1,692 1,636 1,594 1,539 1,485	1,439 1,399 1,369 1,319 1,277	788 767 738 726 674	568 564 562	1,921 1,820 1,752 1,651 1,533	581 599 549 394 318	451 406 341
1955 1954 1953 1952 1951	7,432 7,232 7,048 7,105 6,802	2,878 2,373 2,385 2,583 2,515	5,054 4,859 4,663 4,522 4,287	2,169 2,050 1,949 1,872 1,759	2,886 2,809 2,714 2,649 2,528	1,199 1,149 1,082 1,060 1,070	333 310 294 293 316	866 839 788 768 754	3,855 3,710 3,580 3,461 8,218	1,835 1,740 1,654 1,580 1,443	2,020 1,970 1,926 1,881 1,774	1,436 1,420 1,382 1,341 1,297	1,238 1,220 1,187 1,154 1,102	648 628 597 573 505	512 497 473 454	1,455 1,365 1,293 1,284	308 312	254 267 273
1950 1949 1948 1947 1946	6,402 6,203 6,042 5,791 6,001	2,117 2,047 2,076 2,002 2,484	4,285 4,156 3,966 3,789 3,567	1,723 1,658 1,581 1,529 1,457	2,562 2,497 2,385 2,260 2,110	1,057 1,037 963 909 804	312 306 286 271 233	745 731 677 638 572	3,228 3,119 3,002 2,880 2,762	1,411 1,352 1,295 1,258	1,817 1,767 1,707 1,622 1,539	1,311 1,281 1,249 1,202 1,155	1,106 1,082 1,039 996 955	434	410 406 375	986	298 282	275 263
1945 1944 1943 1942 1941	6,556 6,537 6,358 5,915 4,970 4,474	3,375 3,365 3,166 2,664 1,598 1,128	3,181 3,172 3,192 3,251 3,372 3,346	1,267 1,311 1,320 1,320 1,320 1,320	1,914 1,861 1,872 1,931 2,052 2,026			473 456 464 503 547			1,441 1,405 1,408 1,428 1,505		879 855 858 872 901 887		316 329 322 333 335			246 221 228 223 268 242
FULL-TIME EQUIVALENT EMPLOYEES	*,*1*	1,126	0,040	1,320	2,020			551			1,475		001		345			. 242
1970	11,338 11,053 10,780 10,364 10,030	2,810 2,893 2,901 2,908 2,767	8,528 8,160 7,879 7,455 7,268	4,258 4,063 3,898 3,658 3,543	4,271 4,097 3,982 3,797 3,720	2,302 2,179 2,085 1,946 1,864	803 746 694 620 575	1,499 1,433 1,391 1,326 1,289	6,226 5,981 5,795 5,509 5,399	3,455 3,816 3,204 3,039 (NA)	2,772 2,664 2,590 2,470 (NA)	1,922 1,858 1,813 1,715 1,701	1,410 (NA)	1,098 1,053 1,034 973 948	765	2,786 2,656 2,555 2,449 2,369	420 412 392 371 381	99 (NA)
1965 1964 1963 1962 1961	9,489 (NA) (NA) 8,428 (NA)	2,552 (NA) (NA) 2,470 (NA)	6,937 6,586 6,282 5,958 5,845	3,337 3,132 2,948 2,730 2,652	3,600 3,454 3,334 3,228 3,193	1,751 1,639 1,558 1,478 1,435	508 460 422 390 (NA)	1,136	5,186 4,947 4,724 4,480 4,410	2,829 2,671 2,526 2,340 (NA)	2,357 2,275 2,198 2,140 (NA)	1,638 1,584 1,549 1,486 1,491	(NA) (NA) (NA) 1,259 (NA)	893 859 804 784 760	(NA) (NA) 684	2,287 2,164 2,056 1,901 1,836	368 341 315 309 300	(NA) (NA) (NA) 246 (NA)
1960 1959 1958 1957 ³ 1956	(NA) (NA) (NA) 7,133	(NA) (NA) (NA) 2,340	5,570 5,342 5,171 4,793 4,687	2,093	3,045 2,946 2,901 2,700 2,655	1,353 1,302 1,259 1,154 1,136	(NA) (NA) (NA) 258	(NA) (NA) (NA) 896	4,217 4,039 3,912 3,638 3,551	(NA) (NA) (NA) 1,834	(NA) (NA) (NA) 1,805	1,447 1,406 1,372 1,297 1,292	(NA) (NA) (NA) 1,105	728 703 678 647 632	(NA) (NA)	1,729 1,635 1,572 1,452 1,415	302 288 289 242 213	(NA) 194
1955 1954 1963 1952 1951			4,487 4,309 4,126 4,012 3,815	1,935 1,826 1,737 1,678 1,577	2,552 2,483 2,389 2,334 2,238	966 958			3,054			1,200 1,175		587 561 538		1,341 1,264 1,197 1,146 1,060	203 196	
FULL-TIME EMPLOYEES ONLY																		
1951 1950 1949 1948 1947 1946			3,643 3,472 3,376 3,192 3,044 2,825			756 708			2,740 2,630 2,554 2,437 2,336 2,202	1,298 1,258 1,216 1,161 1,134 1,091	1,442 1,372 1,338 1,276 1,202 1,111	1,112 1,066 1,043 1,018 973 920	942 889 871 837 796 754	442 418 400 375 353 328	375 351 337 314 297 274	1,024 985 953 889 873 842	161 162 157 156 137 112	125
1945 1944 1943 1942 1941 1940											1,026 1,019 1,013		669 679 699		251 254 252 253 264			

^{*} Denotes first year for which figures include Alaska and Hawaii.

NA Not available.

¹ Includes Federal civilian employees outside continental United States. Prior to 1953, figures are as of September 30.

² Local government data, except for 1967, 1962, and 1957, are subject to sampling variation.

³ As of April 30.

Series Y 290-307. Government Monthly Payrolls, by Type of Government: 1940 to 1970

[In millions of dollars. For October except as noted]

-			Sta	te and lo	ocal		State						Loca	al 2				
Year	All gov- ern-	Fed- eral ¹ (civi-			Other			Other		All local		Munici	palities	Cour	nties		Townsh special	ips and districts
	ments	lian)	Total	Educa- tion	than educa- tion	Total	Educa- tion	than educa- tion	Total	Educa- tion	Other than educa- tion	Total	Other than educa- tion	Total	Other than educa- tion	School districts	Total	Other than educa- tion
	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307
ALL EMPLOYEES																		
1970 1969 1968 1967 1966	8,334.2 7,587.6 6,889.2 6,055.5 5,463.0	2,427.9 2,335.3 2,137.3 1,842.3 1,664.8	5,906.4 5,252.3 4,751.9 4,213.2 3,798.2	3,169.7 2,830.6 2,544.8 2,244.0 2,020.2	2,736.1 2,421.7 2,207.1 1,969.2 1,777.9	1,612.1 1,430.5 1,256.6 1,105.5 975.2	630.2 554.4 477.0 406.3 353.0			2,539.4 2,276.1 2,067.7 1,837.8 1,677.1			1,061.7 930.7 868.3 768.9 703.3	639.5 571.6 531.8 465.4 414.4	490.4 433.7 394.0 352.2 313.1	2,031.7 1,816.3 1,644.0 1,475.0 1,332.9	262.3 238.2 222.4 195.8 184.0	181.3 173.4 148.7
1965 1964 1963 1962 1961	4,884.0 4,572.4 4,263.5 3,966.2 3,633.5	1,483.7 1,475.2 1,423.2 1,346.9 1,213.6	3,400.3 3,097.2 2,840.3 2,619.3 2,419.9	1,777.7 1,607.9 1,463.8 1,325.1 1,204.6	1,622.5 1,489.3 1,376.6 1,294.2 1,215.3	849.2 761.1 696.4 634.6 586.2	290.1 257.5 230.1 201.8	559.1 503.6 466.3 432.8 409.2	2,551.1 2,336.1 2,143.9 1,984.7 1,833.7	1,487.7 1,350.4 1,233.6 1,123.3 1,027.6	1,063.4 985.7 910.3 861.4 806.1	818.2 760.5 707.9 662.3 630.4	569.5 534.0	311.2 295.4	264.8 240.8 229.0	899.3	150.3 132.6 127.7	114.1 99.9 98.5
1960 1959 * 1958 1957 4 1956							95.2	277.3	1,690.9 1,556.3 1,439.3 1,242.0 1,199.2	¶ 662.5	696.3 655.2 579.5	511.2 461.0	417.8 375.9	229.1 212.8 184.3		669.5 618.2 520.1	108.9 104.6 76.6	(NA) (NA) 61,2
1955 1954 1968 1952 1951	2,264.5 2,103.1 2,013.6 1,979.6 1,865.4	845.7 784.8 793.1 855.9 857.4	1,418.8 1,318.3 1,220.5 1,123.7 1,008.0	552.0	718.2 668.5 620.8	278.6 260.3	68.6 65.0	227.3 210.0 195.3	863.4	526.7 483.3 437.8	490.8 458.6 425.6	396.2 367.6 345.0	301.1 282.7	151.7 140.6 123.9	110.5 97.0	409.9 376.0 338.9	59.7 57.8 55.7	47.6 46.9 45.8
1950 1949 1948 1947 1946	1,527.9 1,406.0 1,329.0 1,183.7 1,155.5	613.4 539.2 533.9 481.4 571.5	866.7 795.1 702.3	384.8 353.0 318.5	481.9 442.0 383.7	209.8 184.9 160.8	58.5 50.9	151.3 134.0 116.0	656.9 610.1 541.5	302.1 273.7	330.6 308.0 267.7	277.2 266.0	219.7 206.2 181.2	86.4 78.1 68.4	73.6 66.6 58.1	249.2 223.4 202.0	44.8 42.6 34.8	37.8 35.2 28.4
1945 1944 1943 1942 1941	1,109.9 1,103.0 1,084.4 880.2 649.4	642.3 684.8 672.7 486.1 254.1	418.2 411.7 394.1	172.2 175.7 175.4 175.4	267.6 246.0 236.0 218.7 219.9 213.5			72.9 64.2 64.0 59.5 62.1 58.8			181.8 172.0 159.2 157.8		119.3 109.7 108.4		36.9 34.5 34.5			17 /
FULL-TIME EMPLOYEES ONLY ⁵																		
ONLY ⁵ 1970			5.597,6 4,977.5 4,504.9 4,007.0 3,622.5	2,933.6 2,624.6 2,366.7 2,097.8 1,908.8	2,664.0 2,352.9 2,138.2 1,909.1 1,713.7	1,508.5 1,339.9 1,177.6 1,035.9	354.2 (NA)	681.8 (NA)	4,089.1 3,637.6 3,327.4 2,971.0 2,712.8	1,743.6 (NA)	1,227.4 (NA)	111 15A S	749.1	550 5		1,912.6 1,709.8 1,549.6 1,396.8 1,284.1	122 6	41.9
1965			3,250.5 2,506.1 1,543.8 1,514.0	1,682.7 1,253.5 717.3 707.8			(NA) 179.9 98.4	(NA) 422.6 271.5		(NA) 1,073.6 619.0	(NA) 830.1 554.9	445.2	518.4 365.0	364.4 284.9 160.8	(NA) 221.7 134.9	1,140.7 859.6 498.2	154.6 118.1	90.0
1955			1,371.5 1,268.0 1,172.6 1,078.5 962.7	638.0 575.6 529.3 482.2 433.8	692.4 643.2 596.3	296.1 274.2 254.0	77.7 73.8 67.5	218.5 200.9 186.4	824.5	497.9 456.0 414.6	473.9 442.3 409.9	385.8 357.0 385.5	316.3 293.1 275.4	134.0 123.8 109.4	114.9 106.8 93.1	397.7 364.5 328.8	54.8 52.9 50.8	42.7 42.4 41.4

^{*} Denotes first year for which figures include Alaska and Hawaii.

NA Not available.

¹ Federal payroll figures represent pay for the number of working days in month specified. Thus, changes in amount of payroll reflect in part differences in number of working days covered. Prior to 1953, data are for the month of September.

<sup>Local government data, except for 1967, 1962, and 1957, are subject to sampling variation.
Revised total figure; revised figures for detail not available.
Data are for the month of April.
Data are not available for any of the series for 1958-1961 and 1962-1963.</sup>

Series Y 308-317. Paid Civilian Employment of the Federal Government: 1816 to 1970

[As of June 30 except as noted]

		Employees		Competitive civil service		Executiv	e branch		Legislative	Judicial
Year	Total 1	Washington, D.C. ²	All other areas	employees (classified)	Total	Defense 3	Post Office	Other	branch	branch 4
	308	309	310	311	312	313	314	315	316	317
1970 1969 1968 1968 1967	2,981,574 3,076,414 3,055,212 3,002,461 2,759,019	327,369 328,077 329,879 318,609 299,429	2,654,205 2,748,337 2,725,333 2,683,852 2,459,590	2,453,292 2,549,506 2,569,752 2,485,863 2,367,100	2,943,818 3,040,129 8,019,976 2,967,964 2,726,144	1,219,125 1,341,587 1,316,977 1,302,605 1,138,126	741,216 739,002 730,977 716,603 675,423	983,477 959,540 972,022 948,756 912,595	30,869 29,577 28,675 28,178 26,908	6,887 6,708 6,561 6,319 5,967
1965	2,527,915 2,500,503 2,527,960 2,514,197 2,435,804	279,997 269,993 266,737 257,350 246,266	2,247,918 2,230,510 2,261,223 2,256,847 2,189,538	2,154,992 2,153,658 2,164,163 2,159,050 2,096,635	2,496,064 2,469,645 2,497,699 2,484,655 2,407,025	1,033,775 1,029,756 1,050,007 1,069,543 1,042,407	595,512 585,313 587,161 588,477 582,447	866,777 854,576 860,531 826,635 782,171	25,947 25,048 24,523 23,974 23,621	5,904 5,810 5,738 5,568 5,158
1960		239,873 234,358 230,271 236,330 232,707	2,158,831 2,148,449 2,152,220 2,181,235 2,166,029	2,050,938 2,042,034 2,032,944 2,067,285 2,042,007	2,370,826 2,355,054 2,355,292 2,390,561 2,372,266	1,047,120 1,078,178 1,097,095 1,160,915 1,179,836	562,868 549,951 538,416 521,198 508,587	760,838 726,925 719,781 708,448 683,843	22,886 22,853 22,347 22,340 22,115	4,992 4,900 4,852 4,664 4,355
1955		231,873 228,501 242,678 261,569 265,980	2,165,436 2,179,175 2,315,738 2,339,043 2,216,686	2,004,853 1,992,057 2,138,899 2,247,692 2,144,882	2,371,462 2,381,659 2,532,150 2,574,132 2,455,901	1,186,580 1,208,892 1,332,068 1,337,095 1,235,498	511,613 507,135 506,555 507,779 482,281	673,269 665,632 693,527 729,258 738,122	21,711 21,972 22,312 22,517 22,835	4,136 4,045 3,954 3,963 3,930
1950	1,960,708 2,102,109 2,071,009 2,111,001 2,696,529	223,312 225,901 214,544 213,515 242,263	1,737,396 1,876,208 1,856,465 1,897,486 2,454,266	1,656,803 1,771,927 1,707,220 1,692,065	1,934,040 2,075,148 2,043,981 2,082,258 2,665,520	753,149 879,875 870,962 859,142 1,416,225	484,679 501,743 474,911 445,683 453,953	696,212 693,530 698,108 777,433 795,342	22,896 23,382 23,551 25,669 27,946	3,772 3,579 3,477 3,074 3,063
1945	3,816,310 3,332,356 3,299,414 2,296,384 1,437,682	264,770 276,758 284,665 276,352 190,588	3,551,540 3,055,598 3,014,749 2,020,032 1,247,094	990,238	3,786,645 3,804,379 3,273,887 2,272,082 1,416,444	2,634,575 2,246,454 2,200,064 1,291,093 556,073	416,314 374,758 339,005 338,090 335,008	735,756 683,167 734,818 642,899 525,363	26,959 25,314 22,903 21,657 18,712	2,706 2,663 2,624 2,645 2,526
1940	1,042,420 953,891 882,226 895,993 867,432	139,770 129,314 120,744 117,020 122,937	902,650 824,577 761,482 778,973 744,495	726,895 662,832 562,909 532,078 498,725	1,022,853 935,797 864,534 878,214 850,395	256,025 195,997 163,457 160,737 148,369	323,481 314,478 311,440 304,852 281,314	443,347 425,322 389,637 412,625 420,712	17,099 15,802 15,609 15,609 14,976	2,468 2,292 2,083 2,170 2,061
1935	780,582 698,649 603,587 605,496 609,746	108,673 94,244 70,261 73,455 76,303	671,909 604,405 533,326 532,041 533,443	455,229 450,592 456,096 467,161 468,050	765,712 685,108 590,984 592,560 596,745	147,188 133,092 101,228 100,420 107,980	275,483 281,770 286,935 296,136 297,159	343,041 270,246 202,821 196,004 191,606	12,970 11,667 10,847 11,159 11,192	1,900 1,874 1,756 1,777 1,809
1930	601,319 579,559 560,772 547,127 548,713	73,032 68,266 65,506 63,814 64,722	528,287 511,293 495,266 483,313 483,991	462,083 445,957 431,763 422,998 422,300	588,951 567,721 549,238 535,599 537,251	103,462 103,098 94,005 85,717 92,208	297,895 295,695 293,023 291,249 288,573	187,594 168,928 162,210 158,633 156,470	10,620 10,240 9,894 9,848 9,742	1,748 1,598 1,640 1,680 1,720
1925	553,045 543,484 536,900 543,507 561,142	67,563 68,000 70,062 73,645 82,416	485,482 475,484 466,838 469,862 478,726	423,538 415,593 411,398 420,688 448,112	541,792 532,048 525,746 532,210 550,020	94,772 92,331 94,001 107,126 138,293	284,550 279,679 268,951 260,100 251,300	162,470 160,038 162,794 164,984 160,427	9,493 9,636 9,314 9,417 9,202	1,760 1,800 1,840 1,880 1,920
1920 5 1919 6 1918 - 1917 - 1916 -	655,265 794,271 854,500 438,500 399,381	94,110 106,073 120,835 48,313 41,804	561,155 688,198 733,665 390,187 357,577	497,603 592,961 642,432 326,899 296,926	645,408 784,180 844,480 429,727 391,133	237,212 (NA) (NA) 91,982 63,395	242,400 (NA) (NA) 215,883 212,215	165,796 (NA) (NA) 121,862 115,523	7,897 8,091 7,980 6,693 6,128	1,960 2,000 2,040 2,080 2,120
1915		41,281 40,016 38,975 38,555 39,782	354,148 361,871 257,519 361,595 356,123	292,291 292,460 282,597 217,392 227,657	387,294 393,555 388,217 391,918 387,673	58,286 57,989 55,476 60,015 60,283	212,012 212,973 213,103 214,770 211,546	116,996 122,593 119,638 117,133 115,844	5,975 6,132 6,037 5,942 5,902	2,160 2,200 2,240 2,290 2,330
1910 1909 1908 1908 1907				222,278 234,940 206,637 194,323 184,178	380,428 364,078 348,479	58,320 54,425 50,665	209,005 205,360 199,904	113,103 104,293 97,910	5,910 5,891 5,825	2,370 2,410 2,450
1905	239.476	28 044	211 432	171,807 154,093 135,453 107,990 106,205	231,056	44,524	136,192	50,340	5,690	2,730

Series Y 308-317. Paid Civilian Employment of the Federal Government: 1816 to 1970—Con. [As of June 30 except as noted]

		Employees		Competitive	· · ·	Executiv	e branch		Legislative	Judicial
Year	Total 1	Washington, D.C. ²	All other areas	employees (classified)	Total	Defense 3	Post Office	Other	branch	branch 4
	308	309	310	311	312	313	314	315	316	317
1900 1899 1898 1897										
1895 1894 1893 1892				45,821		20,561				
1890										
1885 ⁹				15,590 13,780						
1881 1871 1861 1851	100,020 51,020 36,672 26,274	13,124 6,222 2,199 1,533	44,798		94,679 50,155 36,106 25,713	16,297 1,183 946 403	56,421 36,696 30,269 21,391	21,961 12,276 4,891 3,919	2,579 618 393 384	2,762 247 173 177
1841 1831 1821 1816	18,038 11,491 6,914 4,837	1,014 666 603 535	10,825		17,550 11,067 6,526 4,479	598 377 161 190	14,290 8,764 4,766 3,341	2,662 1,926 1,599 938	332 289 252 243	156 135 136 115

Series Y 318-331. Paid Civilian Employment in Full-Time Positions in the Federal Government: 1948 to 1970 [As of June 30 except as noted. Excludes employees of Congress and Federal courts, maritime seamen of Department of Commerce, and small number for whom rates were not reported]

						1400	S Wele Hot I	cporocuj						
			Emp	oloyees (thou	sands)					Aver	age pay (doll	ars) ²		
!		Classit	fication Act	of 1949					Classit	fication Act	of 1949			
Year	Total	Total	General schedule ¹	Crafts, protective, and custodial schedule 1	Wage system ¹	Postal Pay Act	Other	Total	Total	General schedule	Crafts, protective, and custodial schedule	Wage system	Postal Pay Act	Other
	318	319	320	321	322	323	324	325	326	327	328	329	330	331
1970 1969 1968 1967 1966	2,806 2,879 2,867 2,784 2,574	1, 1, 1,	,287 ,299 ,302 ,252 ,189	74	74 46 37 57	673 657 639 605 570	172 178 190 170 135	9,234 7,980 7,426 7,014 6,920	9,	065 367 654 148 904	6,5 6,5 5,8 5,8	249 335 538	8,120 7,343 6,932 6,574 6,437	8,741 7,461 6,857 6,805 7,426
1965 1964 1963 1962 1961	2,398 2,370 2,387 2,372 2,291	1, 1, 1,	,112 ,090 ,084 ,058 ,007	6: 6: 6: 6:	27 58	534 524 521 517 503	131 130 125 120 118	6,868 6,479 6,149 5,739 5,664	7, 7, 6, 6,	707 293 808 286 216	5,8	887 530 858 202 086	6,219 5,889 5,744 5,283 5,292	7,032 6,618 6,298 5,907 5,775
1960 1959 1958 1957 1956	2,237 2,239 2,231 2,272 2,264		973 970 962 971 950	70	67 88 00 47 68	483 474 461 447 441	114 107 108 108 106	5,273 5,165 5,031 4,540 4,398	5, 5, 4.	705 611 510 848 749	4,9 4,7 4,8 4,2 4,0	531	4,854 4,837 4,808 4,326 4,330	5,344 5,292 4,945 4,490 4,331
1955 1954 1953 1952 1951	2,255 2,214 2,344 2,379 2,121		993 975 ,014 ,076 886	7:	31 11 03 51 719	434 434 431 352 348	97 95 97 100 49	4,250 4,047 3,937 3,775 3,481	4,	602 225 144 043 3,700	3,7 3,8 3,6 3,3 2,814	385	4,196 3,955 3,916 4,002 8,523	4,356 4,022 3,942 3,718 4,302
1950 1949 ³ 1948	1,628 1,702 1,639	801 817 794	711	99 106 103	430 490 473	362 349 328	35 43 40	3,504 3,283 2,928	3,667 3,407 3,027	3,788 3,524 3,140	2,807 2,624 2,267	3,133 3,025 2,757	3,488 3,257 2,839	4,502 4,149 3,843

 $^{^1}$ Beginning 1956, under amended Classification Act of 1949, approximately $\frac{1}{2}$ of CPC employees were classified under General Schedule, and $\frac{1}{2}$ were classified under Wage Boards.

NA Not available.

1 Excludes employees of the Central Intelligence Agency and the National Security

¹ Excludes employees of the Central Intelligence Agency and the National Security Agency.

² Data prior to June 1941 relate to District of Columbia only. Beginning July 1941, Alexandria city, Arlington County, and part of Fairfax County, Va. were added; parts of Montgomery and Prince Georges Counties, Md. were also added. Beginning 1950, all of Fairfax County, Va. and all of Montgomery and Prince Georges Counties, Md. are included. Beginning 1952, Falls Church city, Va. is included. Beginning 1965, Fairfax city, Va. is included. Beginning 1968, Loudoun and Prince William Counties, Va. are ncluded.

³ Prior to 1947, War and Navy Departments; beginning 1881, includes mechanics and other workmen at army arsenals and navy yards.

⁴ Estimated for 1908–1928.

⁵ As of July 31.

⁶ As of Nov. 11.

⁷ Jan. 16, 1886–June 30, 1887.

⁸ Jan. 16, 1885–Jan. 15, 1886.

⁹ Jan. 16, 1884–Jan. 15, 1885.

¹⁰ July 16, 1883–Jan. 15, 1884.

² Arithmetic means based on annual rates and other rates converted to annual equivalents.

² Data as of July 1.

GOVERNMENT Y 332-338

Series Y 332-334. State and Local Government Employment: 1929 to 1970

[In thousands. Excludes nominal employees. Estimated monthly average]

Year	Total	School	Other functions	Year	Total	School	Other functions	Year	Total	School	Other functions
	332	333	334		332	333	334		332	333	334
1970 1969 1968 1967 1966 1965 1964 1962 1962 1961 1960	9,830 19,444 9,109 8,679 8,227 7,248 6,868 6,550 6,315 6,083 5,850	5,108 4,917 4,693 4,445 4,150 3,782 3,515 3,295 3,092 2,942 2,816 2,670	4,722 14,528 4,416 4,234 4,077 3,914 3,783 3,573 3,458 3,378 3,267 3,180	1955 1954 1953 1952 1951 1950 1949 1948 1947 1946 1945	3,341 3,137	2,101 2,005 1,893 1,787 1,712 1,680 1,620 1,550 1,499 1,415 1,380	2,626 2,558 2,447 2,402 2,375 2,418 2,328 2,287 2,083 1,926 1,757 1,738	1940 1939 1938 1938 1986 1985 1984 1983 1992 1931 1930 1929	3,054 2,923 2,842 2,728 2,647 2,661 2,666	1,827 1,293 1,265 1,281 1,198 1,174 1,145 1,144 1,171 1,184	1,879 1,797 1,789 1,692 1,644 1,552 1,457 1,495 1,520
1959 *	5,648 5,399 5,069	2,554 2,436 2,262	3,180 3,094 2,963 2,806	1944 1943 1942 1941	3,174	1,388 1,411 1,392	1,786 1,859 1,928	1727	2,002	1,143	1,309

^{*} Denotes first year for which figures include Alaska and Hawaii.

Series Y 335-338. Summary of Federal Government Finances—Administrative Budget: 1789 to 1939 [In thousands of dollars. For 1789–1842, years ending December 31; 1844–1939, June 30; 1843 figures are for January 1-June 30]

Year	Budget receipts 1	Budget expendi- tures ²	Surplus or deficit 3	Total public debt ⁴	Year	Budget receipts ¹	Budget expendi- tures ²	Surplus or deficit 3 (-)	Total public debt 4	Year or period	Budget receipts ¹	Budget expendi- tures ²	Surplus or deficit ³ (-)	Total public debt 4
	335	336	337	338		335	336	337	338		335	336	337	338
1939 1938 1937 1936	4,979,066 5,588,012 4,955,613 3,997,059	8,841,224 6,764,628 7,733,033 8,421,608	-3,862,158 -1,176,617 -2,777,421 -4,424,549	37,164,740 36,424,614 33,778,543	1890 1889 1888 1887 1886	403,081 387,050 379,266 371,403 336,440	318,041 299,289 267,925 267,932 242,483	85,040 87,761 111,341 103,471 93,957	1,122,397 1,249,471 1,384,632 1,465,485 1,555,660	1840 1839 1838 1837 1836	19,480 31,483 26,303 24,954 50,827	24,318 26,899 33,865 37,243 30,868	-4,837 4,584 -7,562 -12,289 19,959	5,251 3,573 10,434 3,308 337
1935 1934 1933 1932 1931	3,705,956 3,014,970 1,996,844 1,923,892 3,115,557	6,497,008 6,644,602 4,598,496 4,659,182 3,577,434	-2,791,052 -3,629,632 -2,601,652 -2,735,290 -461,877	19,487,002 16,801,281	1885 1884 1883 1882 1881	323,691 348,520 398,288 403,525 360,782	260,227 244,126 265,408 257,981 260,713	63,464 104,394 132,879 145,544 100,069	1,578,551 1,625,307 1,721,959 1,856,916 2,019,286	1835 1834 1833 1832 1831	35,430 21,792 33,948 31,866 28,527	17,573 18,628 23,018 17,289 15,248	17,857 3,164 10,931 14,577 13,279	38 38 4,760 7,012 24,322
1930 1929 1928 1927 1926	4,057,884 3,861,589 3,900,329 4,012,794 3,795,108	3,320,211 3,127,199 2,961,245 2,857,429 2,929,964	737,673 734,391 939,083 1,155,365 865,144	16,931,088 17,604,293 18,511,907 19,643,216	1880 1879 1878 1877 1876	333,527 273,827 257,764 281,406 294,096	267,643 266,948 236,964 241,334 265,101	65,884 6,879 20,800 40,072 28,995	2,090,909 2,298,913 2,159,418 2,107,760 2,130,846	1830 1829 1828 1827 1826	24,844 24,828 24,764 22,966 25,260	15,143 15,203 16,395 16,139 17,036	9,701 9,624 8,369 6,827 8,225	39,123 48,565 58,421 67,475 73,987
1925 1924 1923 1922 1921	3,640,805 3,871,214 3,852,795 4,025,901 5,570,790	2,907,847 3,140,287 3,289,404 5,061,785	717,043 963,367 712,508 736,496 509,005	21,250,813 22,349,707 22,963,382 23,977,451	1875 1874 1873 1872 1871	288,000 304,979 333,738 374,107 383,324	274,623 302,634 290,345 277,518 292,177	13,377 2,345 43,393 96,589 91,147	2,156,277 2,159,938 2,151,210 2,209,991 2,322,052	1823	21,841 19,381 20,541 20,232 14,573	15,857 20,327 14,707 15,000 15,811	5,984 -945 5,834 5,232 -1,237	81,054 83,788 90,270 90,876 93,547
1920 1919 1918 1917 1916	5,130,042 3,645,240 1,100,500 761,445	6,357,677 18,492,665 12,677,359 1,953,857 712,967	291,222 -13,362,623 -9,032,120 -853,357 48,478	12,455,225 2,975,619 1,225,146	1870 1869 1868 1867 1866	411,255 370,944 405,638 490,634 558,033	309,654 322,865 377,340 357,543 520,809	101,602 48,078 28,298 133,091 37,223	2,436,453 2,545,111 2,583,446 2,650,168 2,755,764	1819 1818	17,881 24,603 21,585 33,099 47,678	18,261 21,464 19,825 21,844 30,587	$\begin{array}{c} -380 \\ 3,140 \\ 1,760 \\ 11,255 \\ 17,091 \end{array}$	89,987 91,016 95,530 103,467 123,492
1915 1914 1913 1912 1911	683,417 725,117 714,463 692,609 701,833	746,093 725,525 714,864 689,881 691,202	$\begin{array}{r} -62,676 \\ -408 \\ -401 \\ 2,728 \\ 10,631 \end{array}$	1,188,235 1,193,048 1,193,839 1,153,985	1865 1864 1863 1862 1861	333,715 264,627 112,697 51,987 41,510	1,297,555 865,323 714,741 474,762 66,547	-963,841 -600,696 -602,043 -422,774 -25,037	2,677,929 1,815,831 1,119,774 524,178 90,582	1815 1814 1813 1812 1811	15,729 11,182 14,340 9,801 14,424	32,708 34,721 31,682 20,281 8,058	$\begin{array}{c} -16,979 \\ -23,539 \\ -17,341 \\ -10,480 \\ 6,365 \end{array}$	127,335 99,834 81,488 55,963 45,210
1910 1909 1908 1907 1906	675,512 604,320 601,862 665,860 594,984	693,617 693,744 659,196 579,129 570,202	-18,105 -89,423 -57,334 86,732 24,782	1,148,315 1,177,690 1,147,178 1,142,523	1860 1859 1858 1857 1856	56,065 53,486 46,655 68,965 74,057	63,131 69,071 74,185 67,796 69,571	-7,066 $-15,585$ $-27,530$ $1,170$ $4,486$	64,844 58,498 44,913 28,701 31,974	1810 1809 1808 1807 1806	9,384 7,773 17,061 16,398 15,560	8,157 10,281 9,932 8,354 9,804	1,228 -2,507 7,128 8,044 5,756	48,006 53,173 57,023 65,196 69,218
1905 1904 1903 1902 1901	544,275 541,087 561,881 562,478 587,685	567,279 583,660 517,006 485,234 524,617	-23,004 -42,573 44,875 77,244 63,068	1,178,031 1,221,572	1855 1854 1853 1852 1851	65,351 73,800 61,587 49,847 52,559	59,743 58,045 48,184 44,195 47,709	5,608 15,755 13,403 5,652 4,850	35,588 42,244 59,805 66,199 68,305	1805 1804 1803 1802 1801	13,561 11,826 11,064 14,996 12,935	10,506 8,719 7,852 7,862 9,395	3,054 3,107 3,212 7,134 3,541	75,723 82,312 86,427 77,055 80,713
1900 1899 1898 1897 1896	567,241 515,961 405,321 347,722 338,142	520,861 605,072 443,369 365,774 352,179	l	1,263,417 1,436,701 1,232,743 1,226,794 1,222,729	1850 1849 1848 1847 1846	43,603 31,208 35,736 26,496 29,700	39,543 45,052 45,377 57,281 27,767	4,060 -13,844 -9,641 -30,786 1,933	63,453 63,062 47,045 38,827 15,550	1800 1799 1798 1797 1796	10,849 7,547 7,900 8,689 8,378	10,786 9,666 7,677 6,134 5,727	63 -2,120 224 2,555 2,651	83,038 82,976 78,409 79,229 82,064
1895 1894 1893 1892 1891	324,729 306,355 385,820 354,938 392,612	356,195 367,525 383,478 345,023 365,774	-31,466 -61,170 2,342 9,914 26,839	1.016.898	1845 1844 1843 1842 1841	29,970 29,321 8,303 19,976 16,860	22,937 22,338 11,858 25,206 26,566	7,033 6,984 -3,555 -5,230 -9,706	15,925 23,462 32,743 20,201 13,594	1795 1794 1793 1792 1789—	6,115 5,432 4,653 3,670 4,419	7,540 6,991 4,482 5,080	$ \begin{array}{r} -1,425 \\ -1,559 \\ 171 \\ -1,410 \\ 150 \end{array} $	83,762 80,748 78,427 80,359 77,228
	<u> </u>		<u> </u>	l		l					'	,		

¹ Excludes receipts from borrowing. Prior to 1913, total receipts; thereafter, net receipts (see text).

² Excludes debt repayment. Prior to 1913, total expenditures; thereafter, net expenditures (see text).

¹ Beginning 1969, approximately 39,000 civilian technicians of the National Guard were transferred from State to Federal status in accordance with Public Law 90–486.

Receipts compared with expenditures.
As of end of period.

Series Y 339-342. Summary of Federal Government Finances: 1929 to 1970

[In billions of dollars. For years ending June 30. Data for 1929-1953 are consolidated cash statement figures; for 1954-1970, unified budget figures]

Year	Receipts	Outlays	Surplus or deficit	Total gross Federal debt	Year	Receipts	Outlays	Surplus or deficit (-)	Total gross Federal debt	Year	Receipts	Outlays	Surplus or deficit (-)	Total gross Federal debt
	339	340	341	342		339	340	341	342		339	340	341	342
1970	193.7 187.8 153.7 149.6 130.9 116.8 112.7 106.6 99.7 94.4	196.6 184.5 178.8 158.3 134.7 118.4 118.6 111.3 106.8 97.8	-2.8 3.2 -25.2 -8.7 -3.8 -1.6 -5.9 -4.8 -7.1 -3.4	382.6 367.1 369.8 341.3 329.5 323.2 316.8 310.8 303.3 292.9	1955 1954 1953 1952 1951 1950 1949 1948 1947 1946	65.5 69.7 71.5 68.0 53.4 40.9 41.6 43.5 43.5	68.5 70.9 76.8 68.0 45.8 43.1 40.6 36.5 36.9 61.7	-3.0 -1.2 -5.3 (Z) 7.6 -2.2 1.0 8.9 6.6 -18.2	274.4 270.8 266.0 259.1 255.3 256.9 252.6 252.0 257.1 271.0	1940 1939 1938 1937 1936 1935 1934 1933 1932 1931	6.9 6.6 7.0 5.6 4.2 3.8 3.1 2.1 2.0 3.2	9.6 9.4 7.2 8.4 7.6 6.3 6.5 4.7 4.8	-2.7 -2.9 1 -2.8 -3.5 -2.4 -3.3 -2.6 -2.7 -1.0	50.7
1960 1959 1958 1957 1956	92.5 79.2 79.6 80.0 74.5	92.2 92.1 82.6 76.7 70.5	-12.9 -2.9 3.2 4.1	290.9 287.8 279.7 272.4 272.8	1945 1944 1948 1942 1941	50.2 47.8 25.1 15.1 9.2	95.2 94.0 78.9 34.5 14.0	-45.0 -46.1 -53.8 -19.4 -4.8	260.1 204.1 142.6 79.2 57.5	1930 1929	4.0 3.8	3.1 2.9	.9	

Z Less than \$50 million.

Series Y 343-351. Federal Government Receipts, by Source: 1940 to 1970

[In millions of dollars. As of June 30. Data for 1940-1953 are consolidated cash statement figures; for 1954-1970, unified budget data]

Years	Total	Customs	Individual income taxes	Corporation income taxes	Social insurance taxes and contributions	Excise taxes	Estate and gift taxes	Deposit of earnings of the Federal Reserve System	Other
·	343	344	345	346	347	348	349	350	351
1970	193,748 187,784 153,671 149,552 130,856	2,430 2,319 2,038 1,901 1,767	90,412 87,249 68,726 61,526 55,446	32,829 36,678 28,665 33,971 30,073	45,298 39,918 34,622 33,349 25,567	15,705 15,222 14,079 13,719 13,062	3,644 3,491 3,051 2,978 3,066	3,266 2,662 2,091 1,805 1,713	158 247 400 303 162
1965	116,833 112,662 106,560 99,676 94,389	1,442 1,252 1,205 1,142 982	48,792 48,697 47,588 45,571 41,338	25,461 23,493 21,579 20,528 20,954	22,258 22,012 19,804 17,046 16,438	14,570 18,731 13,194 12,534 11,860	2,716 2,394 2,167 2,016 1,896	1,372 947 828 718 788	222 138 194 125 131
1960	79,636 79,990	1,105 925 782 735 682	40,741 36,776 34,724 35,620 32,188	21,494 17,309 20,074 21,167 20,880	14,684 11,722 11,239 9,997 9,323	11,676 10,578 10,638 10,534 9,929	1,606 1,333 1,393 1,365 1,161	1,093 491 664 434 287	94 114 122 138 97
1955 1954 1953 1952 1951	68.011	585 542 596 533 609	28,747 29,542 29,780 27,918 21,604	17,861 21,101 21,238 21,226 14,101	7,866 7,210 6,821 6,496 5,714	9,131 9,945 9,878 8,852 8,648	924 934 881 818 708	251 341 298 278 189	104 104 2,008 1,890 1,817
1950	41,576 45,357 43,531	407 367 403 477 424	15,747 15,544 19,310 17,930 16,132	10,449 11,192 9,678 8,614 12,235	4,386 3,809 3,966 3,333 3,078	7,550 7,502 7,356 7,182 6,646	698 780 890 771 668	192 187 100 15	1,511 2,195 3,654 5,209 4,354
1945 1944 1943 1942 1941 1941	47.818	341 417 308 369 365 331	18,396 20,179 6,473 3,238 1,589 1,110	16,360 15,255 9,587 4,740 1,849 978	3,438 3,428 3,013 2,429 2,004 1,715	5,893 4,379 3,769 3,121 2,386 1,844	637 507 441 420 403 353		5,097 3,653 1,506 787 606 548

Series Y 352-357. Federal Government Receipts—Administrative Budget: 1789 to 1939

[In thousands of dollars. For 1789-1842, years ending December 31; 1844-1939, June 30; 1843 figures are for January 1-June 30]

				Other r	eceipts						Other r	eceipts
Year	Total ¹	Customs	Internal revenue	Total, excluding sales of public lands	Sales of public lands	Refunds, transfers, interfund transactions	Year or period	Total ¹	Customs	Internal revenue	Total, excluding sales of public lands	Sales of public lands
	352	353	354	355	356	357		352	353	354	355	356
1939 1938 1937 1936		318,837 359,187 486,357 386,812	5,161,221 5,674,318 4,597,140 3,512,852	187,765 208,156 210,094 216,293	248 96 71 74	-688,758 -653,649 -337,978 -118,898	1865 1864 1863 1862 1861	333,715 264,627 112,697 51,987 41,510	84,928 102,316 69,060 49,056 39,582	209,464 109,741 37,641	39,322 52,569 5,997 2,931 1,928	997 588 168 152 871
1935 1934 1983 1932 1931	3,014,970 1,996,844 1,923,892 3,115,557	343,353 313,434 250,750 327,755 378,354	3,277,690 2,640,604 1,604,424 1,561,006 2,429,781	179,424 161,516 224,523 116,964 381,504	87 99 103 170 230	-94,512 -100,584 -82,853 -81,834 -74,082	1860 1859 1858 1857 1856	-	53,188 49,566 41,790 63,876 64,023	- - - -	2,877 3,921 4,866 5,089 10,034	1,779 1,757 3,514 3,829 8,918
1930		587,001 602,263 568,986 605,500 579,430	3,039,295 2,938,019 2,794,971 2,869,414 2,837,639	551,646 492,968 678,391 654,480 545,686	396 315 385 621 754	-120,058 -171,661 -142,019 -116,601 -167,648	1855 1854 1853 1852 1851		53,026 64,224 58,932 47,339 49,018	- - - - -	12,325 9,576 2,655 2,507 3,542	11,497 8,471 1,667 2,043 2,352
1925		547,561 545,638 561,929 356,443 308,564	2,589,176 2,795,157 2,624,473 3,213,253 4,596,426	643,412 671,250 820,784 539,408 719,943	624 522 657 895 1,530	-139,343 -140,831 -154,341 -83,208 -54,143	1850 1849 1848 1847 1846		39,669 28,347 31,757 23,748 26,713	(Z) (Z) (Z) 3	3,935 2,861 3,978 2,748 2,984	1,860 1,689 3,329 2,498 2,694
1920		322,903 184,458 179,998 225,962 213,186	5,405,032 4,315,285 3,186,034 809,366 512,702	966,631 652,514 298,550 88,996 56,647	1,910 1,405 1,969 1,893 1,888	-45,667 -22,215 -19,343 -23,825 -21,089	1845 1844 1843 1842 1841		27,528 26,184 7,047 18,188 14,487	(Z) (Z) (Z) 3	2,438 3,136 1,256 1,788 2,370	2,077 2,060 898 1,336 1,366
1915 1914 1913 1912 1911	1	209,787 292,320 318,891 311,322 314,497	415,670 380,041 344,417 321,612 322,529	72,455 62,312 60,803 59,675 64,807	2,167 2,572 2,910 5,393 5,732	-14,494 -9,556 -9,648	1840 1839 1838 1837 1836	40 400	13,500 23,138 16,159 11,169 23,410	2 3 2 5 (Z)	5,979 8,842 10,141 13,779 27,416	3,293 7,076 3,082 6,776 24,877
1910	594,984	383,683 300,712 286,113 332,233 300,252	289,934 246,213 251,711 269,667 249,150	51,895 57,396 64,038 63,960 45,582	6,356 7,701 9,732 7,879 4,880		1835 1834 1833	35,430 21,792	19,391 16,215 29,033 28,465 24,224	10 4 3 12 7	16,028 5,573 4,913 3,389 4,295	14,758 4,858 3,968 2,623 3,211
1905	561,881 562,478 587,685	261,799 261,275 284,480 254,445 238,585	234,096 232,904 230,810 271,880 307,181	48,380 46,908 46,591 36,153 41,919	4,859 7,453 8,926 4,144 2,965		1830		21,922 22,682 23,206 19,712 23,341	12 15 17 20 22	2,910 2,131 1,541 3,234 1,898	2,329 1,517 1,018 1,496 1,394
1900 1899 1898 1897 1896		233,165 206,128 149,575 176,554 160,022	295,328 273,437 170,901 146,689 146,763	38,748 36,395 84,846 24,479 31,358	l		1825 1824 1823 1822 1821		20,099 17,878 19,088 17,590 13,004	26 35 34 68 69	1,716 1,468 1,418 2,575 1,500	1,216 984 917 1,804 1,213
1895 1894 1893 1892 1891	l .	152,159 131,819 203,355 177,453 219,522	143,422 147,111 161,028 153,971 145,686	29,149 27,426 21,437 23,514 27,404	1,103 1,674 3,182 3,262 4,030		1820 1819 1818 1817 1816		15,006 20,284 17,176 26,283 36,307	106 230 955 2,678 5,125	2,769 4,090 8,454 4,138 6,246	1,636 8,274 2,607 1,991 1,718
1890 1889 1888 1887 1886		229,669 223,833 219,091 217,287 192,905	142,607 130,882 124,297 118,823 116,806	30,806 32,336 35,878 35,293 26,729	6,358 8,039 11,202 9,254 5,631		1815 1814 1813 1812 1811		7,283 5,999 13,225 8,959 13,313	4,678 1,663 5 5	3,768 3,520 1,111 837 1,108	1,288 1,136 836 710 1,040
1885 1884 1883 1882 1881		181,472 195,067 214,706 220,411 198,160	112,499 121,586 144,720 146,498 135,264	29,720 31,866 38,861 36,617 27,358	5,706 9,811 7,956 4,753 2,202		1810 1809 1808 1807 1806		8,583 7,296 16,364 15,846 14,668	7 4 8 13 20	793 473 689 539 872	697 442 648 466 765
1880 1879 1878 1877 1876		186,522 137,250 130,171 130,956 148,072	124,009 113,562 110,582 118,630 116,701	22,995 23,016 17,012 31,820 29,323	1,017 925 1,080 976 1,129				12,936 11,099 10,479 12,438 10,751	22 51 215 622 1,048	602 677 370 1,936 1,137	540 488 166 189 168
1875 1874 1873 1872 1871	i	157,168 163,104 188,090 216,370 206,270	110,007 102,410 113,729 130,642 143,098	20,825 39,465 31,919 27,094 33,955	1,414 1,852 2,882 2,576 2,389		1800 1799 1798 1797 1796	10,849 7,547 7,900 8,689 8,378	9,081 6,610 7,106 7,550 6,568	809 779 644 575 475	958 157 150 564 1,334	(Z) 12 84 5
1870 1869 1868 1867 1866	370,944 405,638	194,538 180,048 164,465 176,418 179,047	184,900 158,356 191,088 266,028 309,227	31,817 32,539 50,086 48,189 69,759	3,350 4,020 1,349 1,164 665		1795 1794 1793 1792 1789-1791	6,115 5,432 4,653	5,588 4,801 4,255 3,443 4,399	338 274 338 209	188 357 60 18 19	

Represents zero.
 Less than \$500.

¹ Refunds of receipts are excluded starting in 1913; comparable data are not available for prior years. Certain interfund transactions are also excluded starting in 1932; for prior years, the amounts of such transactions are insignificant.

Series Y 358-373. Internal Revenue Collections: 1863 to 1970

[In thousands of dollars. For years ending June 30. Total columns include components not shown separately]

									F	Excise taxes					
ear	Total collections	Individual income taxes	Corpora- tion income taxes	Employ- ment taxes	Estate and gift taxes ¹	Total ²	Alcohol	Tobacco	Total	Manufa Auto- mobiles and acces- sories	Tires, tubes, and tread rubber	Gasoline, lubri- cating oils	Admis- sions ⁸	Tele- phone, telegraph, radio, and cable facili- ties	Capit stock tax
	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372
70 39 38 37 56	195,722,096 187,919,560 153,636,838 148,374,815 128,879,961	103,651,585 97,440,406 78,252,045 69,370,595 61,297,552	35,036,983 38,337,646 29,896,520 34,917,825 30,834,243	37,449,188 33,068,657 28,085,898 26,958,241 20,256,133	3,680,076 3,530,064 3,081,979 3,014,406 3,093,922	15,904,264 15,542,787 14,320,396 14,113,748 13,398,112	4,746,382 4,555,560 4,287,237 4,075,723 3,814,378	2,094,212 2,137,585 2,122,277 2,079,869 2,073,956	6,683,061 6,501,146 5,713,973 5,478,347 5,613,869	2,497,382 2,534,647 2,054,746 1,917,383 2,148,840	614,795 631,527 489,139 503,753 481,803	3,517,586 3,283,715 3,123,103 3,025,467 2,914,965	1,150 3,399	1,469,562 1,316,378 1,105,478 1,101,853 907,917	
34	114,434,634 112,260,257 105,925,395 99,440,839 94,401,086	53,660,683 54,590,354 52,987,581 50,649,594 46,153,001										2,763,230 2,694,686 2,571,726 2,485,726 2,444,599	88,079 82,583 74,775	880,605 843,478	
0*- 9 4- 68 66	91,774,803 79,797,973 79,978,476 80,171,971 75,112,649	44,945,711 40,734,744 38,568,559 39,029,772 35,337,642	22,179,414 18,091,509 20,583,316 21,530,658 21,298,522	11,158,589 8,853,744 8,644,386 7,580,522 7,295,784	1,626,348 1,352,983 1,410,925 1,377,999 1,171,237	11,864,741 10,764,993 10,821,292 10,653,026 10,009,464	3,198,714 3,002,096 2,946,461 2,973,195 2,920,574	1,931,504 1,806,816 1,784,021 1,674,050 1,613,497	4,735,129 3,958,789 3,974,135 3,761,925 3,456,013	1,792,706 1,420,785 1,542,827 1,500,822 1,711,603	304,466 278,911 259,820 251,454 177,872	2,097,542 1,773,938 1,706,625 1,531,818 1,104,981	84,099 95,094 97,602 119,088 146,278	690,435 650,185 613,210	
55 54 53 52 51	66,288,692 69,919,991 69,686,535 65,009,586 50,445,686	31,650,106 32,813,691 32,536,217 29,274,107 22,997,308	18,264,720 21,546,322 21,594,515 21,466,910 14,387,569	6,219,665 5,107,623 4,718,403 4,464,264 3,627,480	936,267 935,122 891,284 833,147 729,730	9,217,934 9,517,233 9,946,116 8,971,158 8,703,599	2,742,840 2,783,012 2,780,925 2,549,120 2,546,808	1,571,213 1,580,229 1,654,911 1,565,162 1,380,396	2,885,016 2,689,133 2,862,788 2,348,943 2,383,677	1,319,327 1,152,155 1,173,672 889,729 894,123	164,316 152,567 180,047 161,328 198,383	1,024,496	145,357 310,264 359,522 376,305	771,981 775,873 705,771	
50 19 18 17 16	38,957,132 40,463,125 41,864,542 39,108,386 40,672,097	20,997,781 19,843,297	10,854,351 11,553,669 10,174,410 9,676,459 12,553,602	2,381,342	706,226 796,538 899,345 779,291 676,833	7,598,405 7,578,846 7,409,941 7,283,376 6,684,178	2,219,202 2,210,607 2,255,327 2,474,762 2,526,165	1,328,464 1,321,875 1,300,280 1,237,768 1,165,519	1,836,053 1,771,533 1,649,234 1,425,395 922,671	664,429 589,747 485,872 366,711 131,908	174,927	585,407 559,525 515,691	438,628 456,223	535,911 468,776 417,690	6 1 1
5 4 3 2	43,800,388 40,121,760 22,371,386 13,047,869 7,370,108	19,034,313 18,261,005 6,629,932 3,262,800 1,417,655	16,027,213 14,766,796 9,668,956 4,744,083 2,053,469	1,779,177 1,738,372 1,498,705 1,185,362 925,856	511,211 447,496 432,540	5,944,630 4,463,674 3,797,503	2,309,866 1,618,775 1,423,646 1,048,517	932,145 988,483 923,857 780,982	782,511 503,462 504,746 771,898	72,845 36,020 26,132 123,621	18,345 64,811	323,690 332,104 416,019	205,289 154,451 115,033	231,474 158,161 75,022	380 328
0 9 8 7 6	5,340,452 5,181,574 5,658,765 4,653,195 3,520,208	982,017 1,028,834 1,286,312 1,091,741 674,416	1,156,281 1,342,718 1,088,101	740,429 742,660 265,745	360,716 416,874 305,548	1,730,853	624,253 587,800 567,979 594,245 505,464	568,182 552,254	396 975	56,666 58,051 84,382	31,567	9 227,996	19,471 20,801 19,740	24,094 23,977 24,570	139 137
5 4 13 12	3,299,436 2,672,239 1,619,839 1,557,729 2,428,229	527,113 419,509 352,574 427,191 833,648	400.146		34,310 47,422	838,738 453,550	3 43,174	425,169 402,739 398,579	385,291 243,600 87	43,271 17,825	14,980	227,830 141,162	14,614 15,521 1,859	19,251 14,565	80
10 29 28 27	3,040,146 2,939,054 2,790,536 2,865,683 2,836,000	1,095,541 882,727 911,940	1,263,414 1,235,733 1,291,846 1,308,013 1,094,980		64,770 61,895 60,087 100,340 119,216	539,927	12,777 15,308 21,196	434,445 396,450 376,170	5 712				4,231 6,083 17,725 17,941 23,981		8
25 24 23 22 21	2,584,140 2,796,179 2,621,745 3,197,451 4,595,357	(NA) (NA) (NA)	916,238	3	108.940] 	25,905 27,586 30,358 45,609 82,623	345,247 325,639 309,015 270,759	140,877					34,662 30,381 29,272	1 91
20 19 18 17	. 809,394	il (NTA)	(NA) (NA) (NA) (NA) 207,274 56,994	1	103,636 82,030 47,458 6,077	3		295,809 206,003 156,189 103,202	267,969 79,400 36,637				76,721 50,920 26,357	27,677 17,902	93 28

GOVERNMENT

Series Y 358-373. Internal Revenue Collections: 1863 to 1970—Con.

[In thousands of dollars. For years ending June 30. Total columns include components not shown separately]

				Excise	taxes			•			Excise	taxes	
Year	Total collec- tions	Estate and gift taxes 1	Alcohol	Tobacco	Total manufac- turers' ⁵	Stamp taxes (includ- ing playing cards)	Year	Total collec- tions	Estate and gift taxes ¹	Alcohol	Tobacco	Total manufac- turers' ⁵	Stamp taxes (includ- ing playing cards)
	358	362	364	365	366	373		358	362	364	365	366	373
1915	415,681 380,009 344,424 321,616 322,526 289,957 246,213 251,666 269,664 249,103 284,188 282,904 230,741 271,868 306,872 295,316 273,485 170,867 146,620 146,831 143,246 147,168 147,168 147,168 148,246 147,168 148,246 147,168	50 142 774 2,072 5,357 4,843 5,212 2,884 1,235	223,949 226,180 230,146 219,660 219,648 208,602 192,324 199,966 215,905 199,036 186,319 184,893 179,501 193,127 191,698 183,420 167,928 132,062 114,454 111,503 116,674 117,269 121,347	79,957 79,987 76,789 70,590 67,006 58,118 51,887 49,863 51,811 48,423 45,660 44,656 43,515 51,938 62,482 59,355 52,493 36,231 30,710 29,705 28,618 31,890 31,000	1 3 5 1 9 1 (Z) 2 7 7 2	24,130 714 655 616 582 566 502 460 573 489 427 376 423 18,807 39,558 41,295 44,109 1,056 251 251 250 382	1888	124,326 118,837 116,903 112,421 121,590 144,553 146,523 135,280 123,982 113,450 110,654 118,549 116,768 110,072 102,191 113,504 130,890 143,198 144,303 159,124 190,375 265,065	2,505 3,092 2,435 2,823 1,865 1,171	92,630 87,752 88,769 85,742 94,990 91,269 86,027 80,854 74,015 63,300 60,358 66,950 65,950 65,998 61,226 58,749 61,424 57,734 53,671 61,925 51,171 61,925 51,171 24,612 39,600 38,489	30,662 30,108 27,907 26,407 26,062 42,104 47,392 42,855 38,870 40,135 40,092 41,107 39,795 37,303 33,243 34,386 33,736 33,736 33,736 33,736 31,351 23,431 13,736 19,765 16,581	10 22 24 23 24 72 82 149 228 299 430 238 509 864 625 1,267 4,616 3,632 8,017 3,345 61,650 91,531 127,231	(Z) 8 8 8 7,053 7,569 7,375 7,134 6,238 5,937 6,004 6,084 5,683 7,181 15,296 14,530 15,611 15,505 14,047 15,239 14,258
1891 1890 1889	146,035 142,595 130,894		111,901 107,696 98,086	32,796 33,959 31,867	9 6	(Z) (Z)	1865 1864 1863	210,856 116,966 41,003	547 311 57	22,466 32,619 6,805	11,401 8,592 3,098	73,318 36,223 16,525	10,889 5,715 4,140

Series Y 374-380. Fiduciary Income Tax Returns: 1937 to 1970

[In thousands of dollars, except number of returns]

		Taxable	returns		No	ontaxable retu	rns
Income year	Number of returns	Total income	Net income or taxable income 1	Income tax (after (credits) ²	Number of returns 3	Total income 4	Deficit (reduced by net income)
	374	375	376	377	378	379	380
1970	379,899 343,596 259,934 226,382	4,985,751 5,310,590 8,296,959 2,810,714	1,851,047 1,947,684 1,222,574 1,045,676	611,056 658,885 429,987 361,665	647,384 453,905 338,226 353,278	5,137,876 3,201,180 2,640,139 2,456,308	511,692 149,414 179,941 221,972
1958	188,805 172,185 127,779 132,927 116,210	2,445,266 2,543,617 1,868,922 1,307,721 1,202,376	888,993 901,626 696,999 626,760 590,847	308,599 326,945 263,893 234,933 210,765	369,552 318,511 297,136 289,736 (NA)	2,609,791 2,340,802 1,993,002 1,480,439 (NA)	215,150 192,716 149,568 56,808 (NA)
1950. 1949. 1948. 1947.	115,252 99,577 101,283 109,997 121,725	1,283,957 926,824 986,806 973,588 1,065,765	615,614 462,775 530,360 509,244 594,924	208,756 144,030 176,309 173,071 205,457	(NA) (NA) (NA) (NA) (NA)	(NA) (NA) (NA) (NA) (NA)	(NA) (NA) (NA) (NA) (NA)
1945	92,369	856,594 655,628 695,395 572,753 700,790	478,495 357,017 375,766 299,633 340,808	175,605 131,078 139,933 103,670 90,210	(NA) (NA) (NA) (NA) (NA)	(NA) (NA) (NA) (NA) (NA)	(NA) (NA) (NA) (NA) (NA)
1940	62.879	583,926 574,502 506,172 556,811	278,827 252,953 236,444 294,990	54,963 37,460 39,098 48,406	(NA) 150,461 147,945 138,442	(NA) 817,334 785,316 976,511	(NA) 58,763 60,816 26,862

NA $\,$ Not available. 1 Prior to 1954, net income taxable to fiduciary before exemptions; thereafter, taxable income after exemptions.

^{*} Denotes first year for which figures include Alaska and Hawaii.

NA Not available. Z Less than \$500.

1 Prior to 1916, series entitled "legacies, successions, inheritances" taxes.

2 Beginning 1951, capital stock tax included in excise taxes; see text.

Repealed, effective noon Dec. 31, 1965.
 Includes Alaska.
 Prior to 1916, series entitled "manufactures and products" taxes.

For 1937-1942 and 1944, income tax before credits. Tax for 1940-1941 includes defense tax, and for 1943, victory tax.
 For 1954-1970, excludes returns with no information.
 For 1952-1970, represents total income less deficit in total income.

Series Y 381-392. Corporation Income Tax Returns: 1909 to 1970

[In thousands of dollars, except number of returns. Includes data for Alaska and Hawaii]

		<u>-</u>				Active corpor	ation returns	·				
	Number of corporation		All ret	urns			F	Returns with r	net income			Number of inactive
Income year	returns	Number	Total receipts ¹	Net income (less deficit)	Dividends paid ²	Number	Total receipts ¹	Net income	Income tax 3	Excess profits tax	Dividends paid ²	corporation returns 4
	381	382	383	384	385	386	387	388	389	390	391	392
1970 1969 1968 1967 1966	1,747,629 1,737,877 1,614,768 1,609,900 1,537,857		1,750,728,260 1,680,432,985 1,507,785,705 1,374,598,532 1,306,517,897		35 666 040						31,843,899 34,397,194 33,789,727 30,536,187 29,181,075	82,152 79,057 73,098 75,540 69,132
1965 1964 1963 1962 1961			1,194,600,662 1,086,739,483 1,008,742,704 949,305,342 873,177,644		20,214,489	915,811 858,515 808,045 783,195 715,589	1,079,661,387 968,052,709 887,327,015 825,254,516 750,598,885				27,629,664 25,792,604 22,583,943 20,828,623 19,445,730	66,123 63,692 58,490 50,715 50,473
1960			720,413,567 679,868,168			611,131 572,936 559,710					18,472,558 17,887,911 16,005,167 16,099,259 16,870,178	47,068 45,715 42,251 44,369 39,214
1955 1954 1953 1952 1951		1			12,626,377 12,728,622	442,577 489,047				37,711 1,613,424 1,550,725 2,458,676	15,366,051 12,907,270 12,511,979 12,475,019 12,576,500	
1950 1949 1948 1947 1946		629,314 614,842 594,243 551,807 491,152	367.745.578			382,531				268,145	10,068,108 10,287,867 8,914,555 7,762,034	
1945 1944 1943 1942 1941		421,125 412,467 420,521 442,665 468,906	262,200,531 249,682,493 217,680,512 190,432,017	27,819,245 23,051,611 16,332,542	5,679,802 6,879,727	303,019 288,904 283,735 269,942 264,628	206,160,215 175,181,820		3,744,008	6,612,045 10,530,430 11,446,417 7,918,668 3,423,334	6,246,856 6,210,584 5,851,265 5,559,812 6,676,037	33,335 34,329 35,373 37,012 40,160
1940		473,042 469,617 471,032 477,838 478,857			5,098,013 7,702,687 7,724,305	199,479 169,884 192,028 203,161	80,267,477 109,202,789 105,011,693		2,144,292 1,216,450 853,578 1,232,837 1,169,765		6,018,903 5,649,475 4,856,345 7,479,719 7,514,539	51,259 51,922
1935 1934 1933 1932 1931		477,113 469,804 446,842 451,884 459,704		l	1	145,101 109,786 82,646 175,898				5 24,969 5 7,673 6,976	2,410,341 3,949,767	
1930 1929 1928 1927 1926	1	463,036 456,021 443,611 425,675 455,320	144,899,177 142,629,445	6,510,145 7,504,693	7,125,677 6,702,942	259,849 258,134					7,073,549 9,199,848 7,104,022 6,427,654 6,246,430	53,415 52,281
1925	330,391	}	119,019,865 7100,920,515 791,249,274	6,307,974 4,770,035 457,829	6,784,765	236,389 233,389	60,051,128	6,963,811 4,336,048	937,106 775,310 366,444	8,466 335,132	4,607,787 6,349,786 (8)	
1920	320,198 317,579 351,426	317,579 351,426 341,258	7 84,693,239 7 35,327,631	5,873,231 8,415,872 7,671,739 10,100,753 8,109,005	(8)	203,283 209,634 202,061 282,079 206,984	7 88,261,006 7 79,706,659 7 79,540,005 7 32,531,097	8,361,511 10,730,360 8,765,909	653,198 503,698 171,805	1,431,806 2,505,566 1,638,748	(8) (8) (8) (8) (8)	
1915 1914 1913 1912 1911	299,445 316,909 305,336	299,445 316,909 305,386	(8) (8) (8)	(9) (9) (9) (9) (9)	(8) (8) (8) (8) (8)	190,911 174,205 188,866 61,116 55,129	(8) (8)	5,310,000 3,940,000 4,714,000 4,151,000 3,503,000	39,145 43,128 35,006		(8) (8) (8) (8) (8)	
1910 1909	270,202 262,490	270,202 262,490	(8) (8)	(9) (9)	(8) (8)	54,040 52,498	(8) (8)	3,761,000 3,590,000	83,512 20,960		(8) (8)	

¹ In 1918-1924, railroads and other public utility corporations frequently reported only net income, resulting in understatements estimated at \$5 billion in 1918 and 1919 and nearly twice that amount in 1920 and 1921; not estimated for 1922-1924.
² Excludes liquidating dividends.
² For 1941-1943, includes a small amount of surtax from returns with no net income but with partially tax-exempt interest from Government obligations. For 1941-1970, includes a small amount of tax from returns with no net income because of special provisions for insurance companies; for 1963-1970 includes tax from recomputing prior year investment credit; for 1967-1970, includes the surcharge; and for 1969-1970, includes the additional tax for tax preferences.

⁴ Prior to 1927, included among those reporting no net income.

⁵ The declared-value excess profits tax includes a small amount of tax from returns with no net income because the excess profits tax applied to interest on Government obligations exempt from income tax.

⁶ Deficit.

⁷ Gross income. "Total receipts" is not available separately for returns with net income and returns with no net income.

⁸ Not tabulated.

⁹ Amount of deficit for returns with no net income is not available.

Series Y 393-401. Individual Income Tax Returns: 1944 to 1970

[In thousands of dollars, except number of returns]

		(In invusarius	Ol dollars, exc	ept number o	returns				
	N	umber of retur	ns	Re	turns with adju	asted gross inco	ome	Returns adjusted gro	
Income year	Total	Taxable	Non- taxable ¹	Number	Adjusted gross income	Taxable income	Income tax (after credits)	Number 1	Adjusted gross deficit
	393	394	395	396	397	398	399	400	401
1970	74,279,831 75,834,388 73,728,708 71,651,909 70,160,425	59,317,371 63,721,394 61,288,708 58,672,938 56,709,076	14,962,460 12,112,994 12,440,000 12,978,971 13,451,349	78,862,448 75,875,781 78,847,156 71,282,525 69,786,185	605,578,947 556,304,955 506,641,751	400,859,064 388,158,971 852,799,662 315,108,212 286,296,994	83,909,314 86,568,215 76,637,902 62,919,958 56,087,084	417,388 458,657 381,552 369,384 374,240	2,451,726 2,032,867 1,884,469 1,832,272 1,821,142
1965	67,596,300 65,375,601 63,943,236 62,712,386 61,499,420	53,700,794 51,306,338 51,323,221 50,092,363 48,582,765	18,895,506 14,069,263 12,620,015 12,620,023 12,916,655	64,948,284 63,511,244	398,212,083 370,270,618 349,860,992	255,082,124 229,875,078 209,090,823 195,320,479 181,779,732	49,529,695 47,152,855 48,203,580 44,902,840 42,225,498	397,372 432,317 431,992 421,791 431,831	1,461,969 1,552,252 1,492,546 1,159,526 1,074,453
1960	61,027,931 60,271,297 59,085,182 59,825,121 59,197,004	48,060,985 47,496,913 45,652,134 46,865,315 46,258,646	12,966,946 12,774,384 13,433,048 12,959,806 12,938,358	59,838,162 58,700,924 59,407,678	306,616,924 282,166,418 281,308,431	171,627,771 166,540,616 149,337,414 149,363,077 141,532,061	39,464,156 38,645,299 34,385,652 34,393,639 32,732,132	435,219 433,135 384,258 417,448 398,161	1,091,184 1,521,945 1,012,326 987,865 859,546
1956	58,250,188 56,747,008 57,838,184 56,528,817 55,447,009	44,689,065 42,633,060 45,223,151 43,876,273 42,648,610	13,561,123 14,113,948 12,615,033 12,652,544 12,798,399	56,306,704 57,415,885 56,107,089	249,429,182 230,235,855 229,863,409 216,087,449 208,097,088	128,020,111 115,331,801	29,613,722 26,665,753 29,430,659 27,802,831 24,227,780	432,024 440,304 422,299 421,728 404,412	898,865 1,014,480 1,155,153 797,541 760,548
1950	58,060,098 51,814,124 52,072,006 55,099,008 52,816,547	88,186,682 85,628,295 36,411,248 41,578,524 87,915,696	14,873,416 16,185,829 15,660,758 13,520,484 14,900,851	52,655,564 51,301,910 51,745,697 54,799,936 52,600,470	161,373,205		14,538,141 15,441,529 18,076,281	404,534 512,214 326,309 299,072 216,077	726,202 799,280 657,847 559,193 247,206
1945 1944	49,932,783 47,111,495	42,650,502 42,354,468	7,282,281 4,757,027	49,750,991 46,919,590	120,301,131 116,714,736		17,050,378 16,216,401	181,792 191,905	292,472 249,771

¹ Includes returns with no information, 1944-1952 and 1957.

Series Y 402-411. Individual Income Tax Returns: 1913 to 1943 [In thousands of dollars, except number of returns]

			Returns with	net income 1				Returns with	no net income	
Income year	N	umber of retur	70.8	Total	Net	Income	Number	Total	Net	Tax
-	Total	Taxable	Nontaxable	income	income 2	tax ³		income	deficit	
	402	403	404	405	406	407	408	409	410	411
1943 1942 1941	43,506,558 36,456,110 25,770,089	40,222,699 27,687,051 17,502,587	3,283,854 8,819,059 8,267,502	106,614,214 85,876,118 68,841,047	99,209,862 78,589,729 58,527,217	14,449,441 8,823,041 8,815,415	215,485 163,136 99,828	170,866 181,486 264,032	225,683 198,598 292,023	648 (NA) 2,326
1940 1939 1938 1938	6,150,776 6,301,833	7,437,261 3,896,418 2,995,664 3,326,912 2,861,108	7,160,813 3,673,902 3,155,112 2,974,921 2,552,391	40,277,645 25,816,147 21,549,277 23,891,481 21,888,378	36,809,719 22,938,918 18,660,929 20,941,302 19,240,110	1,440,967 890,934 726,120 1,093,163 1,214,017	112,697 82,461 100,233 83,904 73,272	239,583 228,690 318,769 250,394 248,530	311,385 284,327 354,156 308,518 286,682	478 300 615
1935 1984 1983 1982	4,094,420 3,723,558 8,877,430	2,110,890 1,795,920 1,747,740 1,936,095 1,525,546	2,464,122 2,298,500 1,975,818 1,941,335 1,700,378	17,316,505 15,092,960 13,393,825 14,392,080 17,268,451	14,909,812 12,796,802 11,008,638 11,655,909 13,604,996	657,439 511,400 374,120 329,962 246,127	94,609 104,170 168,449 206,293 184,583	288,653 344,055 725,817 831,592 1,299,750	381,853 412,859 1,141,331 1,480,922 1,936,878	
1930 1929 1928 1927 1926	4,044,327 4,070,851 4,101,547	2,037,645 2,458,049 2,523,063 2,440,941 2,470,990	1,669,864 1,586,278 1,547,788 1,660,606 1,667,102	22,319,446 29,844,758 28,987,634 26,208,561 25,447,436	18,118,635 24,800,736 25,226,327 22,545,091 21,958,506	476,715 1,001,938 1,164,254 830,639 732,471		1,204,383 902,251 420,649	1,025,130 499,218	
925 924 923 923 922	7,369,788 7,698,321 6,787,481	2,501,166 4,489,698 4,270,121 3,681,249 8,589,985	1,669,885 2,880,090 3,428,200 3,106,232 3,072,191	25,272,035 29,578,997 29,247,593 24,871,908 28,328,782	21,894,576 25,656,153 24,777,466 21,336,213 19,577,213	704,265 661,666 861.057				
920 919 918 918 917	7,259,944 5,882,760 4,425,114 8,472,890	5,518,310 4,231,181 3,392,863 2,707,234 362,970	1,741,634 1,101,579 1,032,251 765,656 74,066	26,690,270 22,437,686 17,745,761 414,538,146 8,349,902	28,735,629 19,859,491 15,924,639 13,407,303 6,298,578	1,075,054 1,269,680 1,127,722			1	
915 914 918 ⁶	357,515				4,600,000 4,000,000 8,900,000	41,046				l

NA Not available.

¹ Includes fiduciary returns with net income filed on Form 1040, 1913–1936.

² For 1941-1943, total income on Form 1040A was also used as net income.

³ Tax for 1924–1931, after earned income credit and capital loss credit; 1932–1933,

after capital loss credit only; 1943, after foreign tax credit and tax paid at source. Tax for 1940–1941 includes defense tax and for 1943, victory tax.

4 Somewhat understated because net income was used also as total income on returns with income of \$1,000 to \$2,000.

6 Data pertain to last 10 months of year.

GOVERNMENT EMPLOYMENT AND FINANCES

Series Y 412-439. Individual Income Tax Liability and Effective Rates, for Selected Income Groups: 1913 to 1970

								Net inco	me group	8					
Group and revenue act	Income year or period	\$600	\$1,000	\$2,000	\$3,000	\$5,000	\$6,000	\$8,000	\$10,000	\$15,000	\$20,000	\$25,000	\$50,000	\$100,000	\$1,000,000
		412	413	414	415	416	417	418	419	420	421	422	423	424	425
						i	SINGLE EX	EMPTION-	-LIABILIT	ry 1 (Dolla	rs)				
1969 1964 ³	1970 2 1969 2 1968 2 1965—1967 1964		53 56 56 56 64	208 222 219 209 233	391 425 415 386 420	792 856 836 778 834	1,018 1,098 1,078 998 1,069	1,511 1,628 1,591 1,480 1,588	2,065 2,224 2,174 2,022 2,177	3,788 4,077 3,984 3,706 3,954	5,934 6,380 6,235 5,800 6,165	8,423 9,053 8,847 8,230 8,744	22,770 24,453 23,897 22,230 23,559	56,435 60,584 59,207 55,076 58,890	702,179 753,577 736,450 685,070 751,378
1954 ⁴ 1951	1954-1963 5 1952-1953 5 1951 5		80 89 82	280 311 286	488 542 498	944 1,052 964	1,204 1,342 1,234	1,780 1,992 1,816	2,436 2,728 2,486	4,448 4,968 4,528	6,942 7,762 7,072	9,796 10,940 9,976	26,388 28,466 26,578	66,798 69,688 67,274	\$ 869,478 \$ 880,000 \$ 872,000
1950 1948 1945 1945 1942	1950 1948-1949 1946-1947 1944-1945 1948 8 0 1942 8		70 66 95 115 107 89 21	244 232 285 345 333 273 117	428 409 485 585 574 472 221	843 811 922 1,105 1,105 920 483	1,080 1,040 1,169 1,395 1,401 1,174 649	1,604 1,546 1,720 2,035 2,052 1,742 1,031	2,201 2,124 2,347 2,755 2,783 2,390 1,493	4,032 3,894 4,270 4,930 4,968 4,366 2,994	6,301 6,089 6,645 7,580 7,626 6,816 4,929	8,898 8,600 9,362 10,590 10,644 9,626 7,224	23,997 23,201 25,137 27,945 28,058 25,811 20,882	60,770 58,762 63,541 69,870 69,665 64,641 53,214	6 800,000 6 770,000 6 840,147 6 900,000 6 899,500 854,616 733,139
1940 1986, 1938 ¹¹ 1984 1932	1940 ¹⁰ 1986–1939 1984–1935 1982–1938		4	44 32 32 40	84 68 68 80	172 140 140 160	255 216 216 240	449 378 378 420	686 560 560 600	1,476 1,104 1,104 1,140	2,666 1,834 1,834 1,800	4,253 2,804 2,804 2,640	14,709 9,334 9,334 8,720	44,268 33,354 31,404 30,220	718,404 680,184 572,324 571,220
1928 1926 1924 1921	1929 12 1928, 1930-1931 1925-1927 13 1924 1923 1922 1921			2 6 6 15 30 40 40	6 17 17 30 60 80	13 40 40 60 120 160 160	22 56 56 90 180 240 250	52 101 101 150 315 420 450	90 154 154 225 450 600 670	285 386 386 585 855 1,140 1,310	555 694 694 1,045 1,350 1,800 2,070	922 1,099 1,234 1,635 1,980 2,640 2,960	4,250 4,664 4,954 6,165 6,540 8,720 9,270	14,930 15,844 16,134 22,645 22,665 30,220 31,270	230,930 240,844 241,134 429,645 413,040 550,720 663,270
1918 1917 1916 1918	1919-1920 1918 1917 1916 1913-1915 ¹⁴			40 60 20	80 120 40	160 240 120 40 20	250 370 170 60 30	450 650 275 100 50	670 950 395 140 70	1,310 1,790 770 240 120	2,070 2,750 1,220 340 170	2,960 3,840 1,820 490 270	9,270 11,150 5,220 1,840 770	31,270 35,150 16,220 3,940 2,520	663,270 703,150 475,220 102,940 60,020
					<u> </u>	SING	CLE EXEM	PTION—E	FFECTIVE	RATE 15 (P	ercent)	'	· <u>·</u>	'	<u>'</u>
1969 1964 ⁸	1970 ² 1969 ² 1968 ² 1965—1967		5.8 5.6 5.6 5.6 6.4	10.4 11.1 11.0 10.4 11.6	13.0 14.2 13.8 12.9 14.0	15.8 17.1 16.7 15.6 16.7	17.0 18.3 17.9 16.6 17.8	18.9 20.4 19.9 18.5 19.8	20.6 22.2 21.7 20.2 21.8	25.3 27.2 26.6 24.7 26.4	29.7 31.9 31.2 29.0 30.8	33.7 36.2 35.4 32.9 35.0	45.5 48.9 47.8 44.5 47.1	56.4 60.6 59.2 55.1 58.9	70.2 75.4 73.6 68.5 75.1
1954 4 1951	1954-1968 5 1952-1958 5 1951 5			14.0 15.5 14.8	16.3 18.1 16.6	18.9 21.0 19.3	20.1 22.4 20.6	22.2 24.9 22.7	24.4 27.2 24.9	29.7 33.1 30.2	34.7 38.8 35.4	39.2 48.8 39.9	52.8 56.9 53.5	66.8 69.7 67.3	* 86.9 * 88.0 * 87.2
1950 1948 1945 1944 7 1942	1948-1949	3.8 2.8 2.5	7.0 6.6 9.5 11.5 10.7 8.9 2.1	12.2 11.6 14.3 17.3 16.7 13.7 5.9	14.3 13.6 16.2 19.5 19.1 15.7 7.4	16.9 16.2 18.4 22.1 22.1 18.4 9.7	18.0 17.3 19.5 23.3 23.4 19.6 10.8	20.0 19.3 21.5 25.4 25.7 21.8 12.9	22.0 21.2 23.5 27.6 27.8 23.9 14.9	26.9 26.0 28.5 32.9 33.1 29.1 20.0	31.5 30.4 33.2 37.9 38.1 34.1 24.6	35.6 34.4 37.5 42.4 42.6 38.5 28.9	48.0 46.4 50.3 55.9 56.1 51.6 41.8	60.8 58.8 63.5 69.9 69.7 64.6 53.2	6 90.0 85.5
1940 1936, 1938 ¹¹ 1934 1932	1936-1939		.4	2.2 1.6 1.6 2.0	2.8 2.3 2.3 2.7	3.4 2.8 2.8 3.2	4.3 3.6 3.6 4.0	5.6 4.7 4.7 5.3	6.9 5.6 5.6 6.0	9.8 7.4 7.4 7.6	13.3 9.2 9.2 9.0	17.0 11.2 11.2 10.6	29.4 18.7 18.7 17.4	33.4 31.4	
1928 1926 1924 1921	1928, 1930-1981 1925-1927 ¹³ 1924			.3	.2 .6 .6 1.0 2.0 2.7 2.7	.3 .8 .8 1.2 2.4 3.2 3.2	.4 .9 .9 1.5 3.0 4.0 4.2	.7 1.3 1.3 1.9 3.9 5.3 5.6	.9 1.5 1.5 2.3 4.5 6.0 6.7	1.9 2.6 2.6 3.9 5.7 7.6 8.7	2.8 3.5 3.5 5.2 6.8 9.0 10.4	3.7 4.4 4.9 6.5 7.9 10.6 11.8	13.1	14.9 15.8 16.1 22.7 22.7 30.2 31.3	23.1 24.1 24.1 43.0 41.8 55.1 66.3
1918 1917 1916 1913	1919-1920 1918 1917	-		2.0 8.0 1.0	2.7 4.0 1.3	3.2 4.8 2.4 .8 .4	4.2 6.2 2.8 1.0 .5	5.6 8.1 3.4 1.3 .6	6.7	8.7 11.9 5.1 1.6 .8	10.4 13.8 6.1 1.7	11.8 15.4	18.5 22.3 10.4 2.7	81.3 35.2 16.2 3.9	66.3 70.3 47.5

Series Y 412-439. Individual Income Tax Liability and Effective Rates, for Selected Income Groups: 1913 to 1970—Con.

								Net inco	me group	9	, "				· · · · · ·
Group and revenue act	Income year or period	\$600	\$1,000	\$2,000	\$3,000	\$5,000	\$6,000	\$8,000	\$10,000	\$15,000	\$20,000	\$25,000	\$50,000	\$100,000	\$1,000,000
		426	427	428	429	430	431	432	433	434	435	436	437	438	439
	!						FOUR EXE	MPTIONS-	-LIABILIT	y 1 (Dollan	rs)				
1969 1964 ⁸	1970 ² 1969 ² 1968 ² 1965—1967 1964				70 84 84 84 96	374 405 400 386 430	547 604 591 552 608	928 1,016 993 924 1,000	1,817 1,434 1,402 1,304 1,400	2,445 2,651 2,591 2,410 2,582	3,772 4,079 3,986 3,708 3,988	5,310 5,733 5,603 5,212 5,604	16,205 17,446 17,050 15,860 16,846	44,772 48,114 47,021 43,740 46,356	685,961 736,230 719,498 669,300 731,832
1954 4 1951	1954-1963 ⁵ ¹⁶ 1952-1953 ⁵ ¹⁶ 1951 ⁵ ¹⁶				120 133 122	520 577 530	720 799 734	1,152 1,282 1,174	1,592 1,774 1,622	2,900 3,236 2,972	4,464 5,000 4,552	6,268 7,004 6,406	18,884 21,088 19,232	51,912 56,032 52,640	6 854,576 6 871,224 6 858,408
1950 1948 1945 1944 7 1942	1950 ¹⁸ 1948-1949 ¹⁸ 1946-1947 1944-1945 1948 ⁸ 1942 ⁸ 1941	3 1	15 14	45 58 13	104 100 190 275 267 191 58	452 432 589 755 730 592 271	626 598 798 1,005 979 810 397	1,016 974 1,292 1,585 1,553 1,322 717	1,417 1,361 1,862 2,245 2,208 1,914 1,117	2,607 2,512 3,639 4,265 4,207 3,758 2,475	4,030 3,888 5,890 6,785 6,693 6,088 4,287	5,672 5,476 8,522 9,705 9,574 8,814 6,480	17,152 16,578 24,111 26,865 26,392 24,845 19,967	47,208 45,643 62,301 68,565 67,803 63,479 52,160	6 791,430 6 769,314 6 838,850 6 900,000 6 898,800 853,384 731,930
1940	1940 ¹⁰ 1936–1939 1934–1935 1932–1933					75 48 48 68	114 84 84 108	246 184 184 236	440 343 343 416	1,118 831 831 956	2,143 1,469 1,469 1,616	3,571 2,327 2,327 2,456	13,741 8,621 8,621 8,536	42,948 31,997 30,162 30,036	717,036 678,436 570,898 571,036
1928 1926 1924 1921	1929 12 1928, 1930-1931 1925-1927 13 1924 1923 1922 1921					3 8 8 26 51 68 68	6 19 19 41 96 128 138	14 42 42 81 207 276 306	40 83 83 141 342 456 526	201 281 281 475 747 996 1,166	471 589 589 935 1,242 1,656 1,886	838 994 1,129 1,525 1,872 2,496 2,816	4,166 4,559 4,849 6,055 6,432 8,576 9,126	14,846 15,739 16,029 22,535 22,557 30,076 31,126	230,846 240,739 241,029 429,535 412,932 550,576 663,126
1918 1917 1916 1913					24 36 12	104 156 64 20 10	154 226 114 40 20	338 482 219 80 40	558 782 339 120 60	1,198 1,622 714 220 110	1,958 2,582 1,164 320 160	2,848 3,672 1,764 470 260	9,158 10,982 5,164 1,320 760	31,158 34,982 16,164 3,920 2,510	663,158 702,982 475,164 102,920 60,010
						FOU	JR EXEMP	ions—ef	FECTIVE F	ATE 15 (Pe	ercent)	·			·
1969 1964 ³	1970 ²				2.3 2.8 2.8 2.8 3.2	7.5 8.1 8.0 7.7 8.6	9.1 10.1 9.8 9.2 10.1	11.6 12.7 12.4 11.6 12.5	13.2 14.3 14.0 13.0 14.0	16.3 17.7 17.3 16.1 17.2	18.9 20.4 19.9 18.5 19.9	21.2 22.9 22.4 20.8 22.4	32.4 34.9 34.1 31.7 33.7	44.8 48.1 47.2 43.7 46.4	68.6 73.6 71.9 66.9 73.2
1954 4	1954-1968 ⁵ ¹⁶ 1952-1953 ⁵ ¹⁶ 1951 ⁵ ¹⁹				4.0 4.4 4.1	10.4 11.5 10.6	12.0 13.3 12.2	14.4 16.0 14.7	15.9 17.7 16.2	19.3 21.6 19.8	22.3 25.0 22.8	25.1 28.0 25.6	37.8 42.2 38.5	51.9 56.0 52.6	85.5 87.1 85.8
1950 1948 1945 1944 7 1942	1942 8	.5	1.5	2.3 2.9 .7	3.5 3.3 6.3 9.2 8.9 6.4 1.9	9.0 8.6 11.8 15.1 14.6 11.8 5.4	10.4 10.0 13.3 16.8 16.3 13.5 6.6	12.7 12.2 16.2 19.8 19.4 16.5 9.0	14.2 13.6 18.6 22.5 22.1 19.1 11.2	17.4 16.7 24.3 28.4 28.0 25.1 16.5	20.2 19.4 29.5 33.9 33.5 30.4 21.4	22.7 21.9 34.1 48.8 38.3 35.3 25.9	34.3 33.2 48.2 53.7 52.8 49.7 39.9	47.2 45.6 62.3 68.6 67.8 63.5 52.2	79.1 76.9 83.9 890.0 889.9 85.3 73.2
1940 1936, 1938 ¹¹ 1934 1932	1940 10 1936-1939 1934-1935 1932-1933					1.5 1.0 1.0 1.4	1.9 1.4 1.4 1.8	3.1 2.3 2.3 3.0	4.4 3.4 3.4 4.2	7.5 5.5 5.5 6.4	10.7 7.3 7.8 8.1	14.3 9.8 9.3 9.8	27.5 17.2 17.2 17.1	42.9 32.0 30.2 30.0	71.7 67.8 57.1 57.1
1928	1929 12 1928, 1930—1931 1925—1927 13 1924 1923 1922 1921					.1 .2 .2 .5 1.0 1.4	.1 .3 .3 .7 1.6 2.1 2.3	.2 .5 .5 1.0 2.6 3.5 3.8	.4 .8 .8 1.4 3.4 4.6 5.3	1.3 1.9 1.9 3.2 5.0 6.6 7.8	2.4 2.9 2.9 4.7 6.2 8.3 9.6	3.4 4.0 4.5 6.1 7.5 10.0 11.3	8.3 9.1 9.7 12.1 12.9 17.2 18.3	14.8 15.7 16.0 22.5 22.6 30.1 31.1	23.1 24.1 24.1 43.0 41.3 55.1 66.3
1918 1917 1916 1918	1919-1920 1918 1917 1916		-		1.2 .4	2.1 3.1 1.3	2.6 3.8 1.9 .7	4.2 6.0 2.7 1.0	5.6 7.8 3.4 1.2	8.0 10.8 4.8 1.5	9.8 12.9 5.8 1.6	11.4 14.7 7.1 1.9 1.0	18.3 22.0 10.3 2.6 1.5	3.9	66.8 70.3 47.5 10.3 6.0

¹ Actual tax liability on selected net incomes and necessary assumptions.
² Includes income tax surcharge, generally 7.5 percent in 1968, 10 percent in 1969, and
2.5 percent in 1970, except in low tax brackets.
² Revenue Act of 1964.
² Internal Revenue Code of 1954.
² Excludes self-employment tax.
² Taking into account the following maximum effective rate limitations: For 1944–1945, 90 percent; 1946–1947, 85.5 percent; 1948–1949, 77 percent; 1950, 80 percent; 1951, 87.2 percent; 1952–1953, 88 percent; 1954–1957, 87 percent.
² Individual Income Tax Act of 1944.
² Tax liabilities unadjusted for transition to current payment basis.

⁹ Includes net victory tax. Computed by assuming that deductions are 10 percent of victory tax net income; i.e., that victory tax net income is ten-ninths of selected net income.

¹⁰ Includes defense tax.

¹¹ Rates and exemptions for 1936 and 1938 acts were identical and resulted in the same tax liabilities.

¹² Normal tax rates of 1928 act were reduced for 1929 only by Joint Resolution of Congress.

Congress.

12 Provisions of 1926 act were retroactive to 1925.

13 Provisions of 1926 act were retroactive to 1925.

14 Mar. 1, 1913–Dec. 31, 1915.

15 Tax liability divided by stated net income.

16 Split income basis.

Series Y 440-449. Federal Estate Tax Returns: 1916 to 1970

[In thousands of dollars, except number of returns]

			Citizen	s and resident	aliens 1			Nonreside	nt aliens 4	
Filing year	Total number of returns	Number of returns (taxable and nontaxable)	Gross estate	Net taxable estate ²	Credit for State inheritance taxes paid	Net estate tax ³ (after credits)	Number of returns (taxable and nontaxable)	Gross estate	Net taxable estate ²	Net estate tax * (after credits)
	440	441	442	443	444	445	446	447	448	449
1970 1966 1963 1961	98,905 79,743 65,789	133,944 97,339 78,393 64,538	29,670,558 21,936,168 17,007,239 14,622,073	8,036,640 9,159,917 7,070,827 6,014,498	382,656 280,423 207,620 195,581	2,999,965 2,414,310 1,840,972 1,618,548	1,566 1,350 1,251	43,733	23,336	
1957 1955 1954 1951	47 381	46,473 36,595 36,699 27,958	10,293,669 7,467,443 7,411,754 5,504,961	4,342,072 2,990,810 2,969,174 2,188,878	146,769 86,249 85,842 64,535	1,176,710 778,342 778,504 577,401	908 970 973 1,044	28,884 22,803 23,383 20,666	20,987 15,948 16,206 16,052	4,589 2,913 3,096 3,081
1950 1949 1948 1947	27,144 25,904 24,381	25,858 24,552 23,356 20,899	4,918,094 4,933,215 4,774,783 4,224,210	1,916,645 2,106,827 2,584,595 2,319,310	48,940 65,831 82,725 69,850	483,520 567,421 714,707 621,966	1,286 1,352 1,025 1,108	24,157 24,511 16,266 27,198	18,192 19,356 12,602 21,872	3,229 3,407 1,825 4,389
1945 1944 1943 1942	16,033 17,396	15,898 14,303 15,187 16,215 15,977	3,436,901 2,907,620 2,627,367 2,724,513 2,777,657	1,900,159 1,508,953 1,396,697 1,524,881 1,561,215	64,517 46,285 35,966 45,626 53,636	531,052 404,635 362,164 308,342 291,758	652 554 846 1,181 1,145	13,524 8,712 10,471 12,620 15,783	10,997 7,272 8,708 11,455 14,553	1,876 1,146 1,212 1,349 1,641
1940 1939 1938 1937 1937	16,926 17 642	15,435 15,221 15,932 15,037 11,605	2,632,659 2,746,143 3,046,977 2,767,739 2,296,257	1,479,268 1,537,975 1,724,589 1,622,618 1,245,395	45,337 53,111 59,842 58,252 44,218	250,360 276,707 314,620 305,784 195,301	1,441 1,705 1,710 1,995 1,716	15,540 21,745 22,648 26,019 16,163	13,916 20,347 20,670 23,995 14,627	1,196 2,231 2,182 2,665 1,069
1935. 1934. 1933. 1932. 1931.	12,724 11,853 10,275 8,507 9,889	11,110 10,353 8,727 7,113 8,333	2,485,282 2,244,107 2,026,931 2,795,818 4,042,381	1,316,838 1,150,533 970,868 1,391,569 2,327,319	43,864 33,922 28,295 61,642 137,663	153,763 95,228 59,429 22,364 44,540	1,614 1,500 1,548 1,394 1,556	24,609 23,178 34,025 34,570 33,195	22,888 20,033 30,056 31,868 29,013	1,703 988 1,986 1,310 660
1930 1929 1928 1927 1927	10,382 10,343 10,236	8,798 8,582 8,079 9,353 13,142	4,108,517 3,843,514 3,503,239 3,146,290 3,386,267	2,376,978 2,268,323 1,943,429 1,735,840 1,951,969	113,388 122,110 94,452 59,600 36,732	39,003 43,303 40,561 40,931 101,324	1,584 1,761 2,157 1,347 1,425	57,106 49,732 51,032 26,945 21,656	50,481 45,653 49,075 25,777 20,567	2,614 1,085 1,398 755 481
1925 1924 1923 1922 (Jan. 15-Dec. 31) 1916-1922 ⁵	16,019 14,513 15,119 13,876 45,126	14,013 13,011 13,963 12,563 42,230	2,958,364 2,540,922 2,774,741 2,955,959 8,785,642	1,621,008 1,372,421 1,504,621 1,652,832 5,407,674	10,707	86,223 71,451 88,384 117,624 351,138	2,006 1,502 1,156 1,313 2,896	42,725 25,600 29,587 58,113 107,597	37,861 23,395 27,440 52,142 101,849	1,099 488 726 2,938 5,378

¹ Includes returns for nonresident citizens who died on or after May 11, 1934.
² Net taxable estate includes net estate for returns filed under 1926 and prior acts, net estate for additional tax for returns filed under 1932 through 1953 acts, and net taxable estate for returns filed under 1954 Code.

Series Y 450-456. Federal Gift Tax Returns: 1924 to 1966

[In thousands of dollars, except number of returns]

	Total		Taxable	returns	•	Nontaxah	le returns		Total		Taxable	returns		Nontaxab	le returns
Filing year ¹	number of returns	Number of returns	Total gifts	Net taxable gift	Gift tax	Number of returns	Total gifts	Filing year ¹	number of returns	Number of returns	Total gifts	Net taxable gift	Gift tax	Number of returns	Total gifts
	450	451	452	453	454	455	456		450	451	452	453	454	455	456
1966	112,796 85,689 78,232 77,920 49,189 44,695 41,703 39,056 81,547 26,200 24,857	20,598 17,986 15,793 14,736 8,464 8,360	923,470 474,767 501,377 578,431 325,682 377,889	790,314 657,024 478,289 517,583 258,478 304,131 337,719 178,035	55,528 67,426 77,605 36,087	65,091 60,296 62,127 34,453 36,231 33,343 30,690 25,433	434,009 537,287 498,141 485,769 382,699 363,034	1941 1940 1939 1938 1936 1935 1934 1933	16,906 25,788 15,623 12,226 11,042 13,695 13,420 22,563 9,270 3,683	4,930 3,929 3,515 4,128 3,770	219.594		24,665 69,819 34,445 18,701 17,839 22,758 15,664 162,798 68,383 8,943	16,848 10,693 8,297 7,527 9,567 9,650 13,845 6,742	223,363 152,010 169,010 250,322 224,783
1946	24,857 24,826 20,095	6,822 6,808 5,540	438,681 425,640 288,739	265,246	62,336	18,018	329,964	(June 7- Dec. 31)_	1,747	245	36,025	17,879	1,111	1,502	45,363
1944 1944 1948	18,397 16,987	4,979 4,656	276,121 208,738	148,420	37,781	18,418 12,331	222,891 203,916	1925	848 1,528	768 1,411	² 187,275 328,803	91,289 170,182	$\frac{2,715}{7,242}$		15,789 18, 289

Net estate tax is the combined basic tax and additional tax whenever applicable, and includes defense tax for returns filed under 1940 act.
Includes returns for nonresident citizens who died prior to May 11, 1984.
Sept. 9, 1916-Jan. 15, 1922.

Prior to 1959, year of gift.
 Exclusive of total gifts on 4 returns of nonresident donors.

Series Y 457-465. Outlays of the Federal Government: 1789 to 1970

[In thousands of dollars. For 1789–1842, years ending December 31; 1844–1970, June 30; 1843 figures are for January 1–June 30. Data for 1789–1953 are administrative budget figures; for 1954–1970, unified budget figures]

				-	Other	······································			Depart- ment					her
Year	Total 1	Depart- ment of Defense	Interest on the public debt To	veter comp sati and pensio	en- ment o on Health l Education	f Depart- ment of Agricul- ture	Year	Total 1	of the Army (formerly War Depart- ment)	Depart- ment of the Navy	Depart- ment of the Air Force	on the public		Veterans compen- sation and pensions
	457	458-460	461	462 463	464	465		457	458	459	460	461	462	463
	196,587,786 184,556,043 178,832,655 158,254,257 184,651,927	78,360,168 19 79,144,789 16 78,672,894 14 68,762,932 18 55,445,394 12	9,303,670,98,5 6,588,237,88,4 4,573,008,85,3 3,391,068,76,2,013,863,67,	923,948 5,807 923,017 4,879 586,754 4,605 100,256 4,301 192,670 4,214	901 52,337,6 320 46,599,0 253 40,576,4 855 34,607,6 289 27,959,1	028,306,569 298,330,318 987,306,961 935,841,151 295,513,411	1953 ₋ 1952 ₋ 1951 ₋ 1950 ₋	74,119,798 65,303,201 43,970,284 39,544,087	17,054,33 17,452,71 8,635,93 5,789,46	311,874,830 10,231,265 5,862,549 4,129,546	15,085,22 12,851,6 6,358,6 3,520,6	28 6,503,58 19 5,859,26 04 5,612,68 83 5,749,91	30 23,601,826 33 18,908,343 55 17,500,538	2,420,140 2,177,893 2,171,475 3,2,222,926
1965_ 1964_ 1963_ 1962_ 1961_	118,429,745 118,583,708 111,311,144 106,812,594 97,794,579	47,179,329 150,702,893 1649,242,562 49,283,445 45,688,376	1,346,455 59, 0,665,858 57, 9,895,304 52, 9,119,760 48, 8,957,242 43,	923,0174,879 166,754,4605 100,2564,301 192,6704,214 908,9614,109 214,9573,961 178,2793,871 149,3893,704 148,9613,621 974,9178,368 908,7693,274 1517,3552,869 980,8382,797	144 22,732,2 206 21,695,1 438 20,248,8 671 4,210,3 506 3,680,9	516,795,400 497,458,178 747,832,799 766,294,074 775,383,802	1949_ 1948_ 1947_ 1946_	32,955,232 38,923,379 60,326,042 98,302,937	7,862,39 7,698,55 9,172,13 27,986,76 50,490,10	7 4,434,706 6 4,284,619 9 5,597,208 9 15,164,412 230,047,152	1,690,40	61 5,339,38 5,211,10 4,957,92 4,721,98	36 14,148,997	52,163,828 52,080,130 51,929,226 21,261,415 772,190
1960 1959 1958 1957 1956	92,223,354 92,104,459 82,575,093 76,740,583 70,460,329	43,968,848 44,602,920 39,916,689 38,719,035 35,692,897	9,179,58939, 7,592,76939, 7,606,77435, 7,244,19330, 6,786,59927,	074,9173,368 908,7693,274 051,6293,104 777,3552,869 980,8832,797	224 3,400,0 568 3,089,0 494 2,636,4 989 2,292,6 509 2,067,8	75 4,842,599 406,529,383 004,368,422 864,560,472 754,760,671	1944_ 1943_ 1942_ 1941_	94,986,002 79,367,714 84,036,861 18,254,948 9,055,269	49,438,38 42,525,56 14,325,50 8,938,94 907,16	026,537,634 820,888,349 8,579,589 2,313,056		1,808,16 1,808,16 1,260,06 1,110,69	30 16,401,088 50 14,145,642 35 9,871,679 36 5,892,258 36 6,215,689	494,959 442,394 431,294 433,148
1955_ 1954_	68,509,184 70,889,744	35,629,779 40,625,674	6,370,362 6,382,486 23,	509,0442,680 881,5842,481	,834 ,514 1,977,2	0474,275,011 2842,613,484	1939_ 1938_ 1937_ 1936_	7,738,033	∥ 628,10	4 556,674		866,38	54 5.681.87	1 396,047
		Departmen	nt Depart-	Interest	Ot	her			Depar of 1	tment	part-	Interest	Oth	er
Yea	Total 1	Army (formerly War Depart- ment)	ment	on the public debt	Total 2 3	Veterans compen- sation and pensions 4	Yea	Total	Arı	ny m nerly of ar N art-	ent the avy	on the public debt	Total ²	Veterans compen- sation and pensions 4
	457	458	459	461	462	463		457	48	8 4	59	461	462	463
1935 1934 1933 1932 1931	6,644,6 4,598,4 4,659,1	02 408,58 96 484,62 82 476.30	37 296,92 349,37 357,51	756,617 689,365 599,277	4,751,821 5,182,470 3,125,137 3,226,082 2,125,964	373,805 319,322 234,990 232,521 234,402	1889 1888 1887	299 267 267	,289 4 ,925 3 ,932 8	4,435 8.522	22,006 21,379 16,926 15,141 13,908	36,099 41,001 44,715 47,742 50,580	215,352 192,473 167,761 166,488 143,671	106,937 87,625 80,289 75,029 63,405
1930_ 1929_ 1928_ 1927_ 1926_	3,127,1 2,961,2 2,857,4		90 331,33 14 318,90 90 312,74	678,330 781,764 787,020 8 831,938	1,821,846 1,658,361 1,497,156 1,382,386 1,421,193	220,609 229,781 229,401 230,556 207,190	1883. 1882.	244 265 257	,126 ,408 ,981	3,570	16,021 17,293 15,283 15,032 15,687	51,386 54,578 59,160 71,077 82,509	150,149 132,826 142,053 128,302 122,051	56,102 55,429 66,013 61,345 50,059
1925_ 1924_ 1923_ 1922_ 1921_	2,907,8 3,140,2 3,289,4	47 857,01 87 397,08 04 457,78 85 1,118,07	16 600,37	7 881,807 9 940,603 1 1,055,924 5 991,001 4 999,145	1,354,111 1,363,872 2,294,190	264,148 252,577 260,611	1878 1877	266 236 241	,948 4 ,964 3 ,384 8	0,426 2,154 7,083	13,537 15,125 17,365 14,960 18,963	95,758 105,328 102,501 97,125 100,243	120,231 106,069 84,944 92,167 107,824	56,777 35,121 27,137 27,964 28,257
1920_ 1919_ 1918_ 1917_ 1916_	12,677,3 1,953,8 712,9	65 9,009,07 59 4,869,98 57 377,94 67 183,17	76 2,002,31 55 1,278,84 41 239,63 76 153,85	189,743 24,743 4 22,901	2,979,451 6,862,063 6,338,820 1,311,541 353,036	181,138 160,318 159,302	1874 1873 1872 1871	302 290 277 292	,684 ,845 ,518 ,177	2,314 6,323 5,372 5,800	21,498 30,933 23,526 21,250 19,431	103,094 107,120 104,751 117,358 125,577	108,912 122,268 115,745 103,588 111,370	29,456 29,038 29,359 28,533 34,444
1915_ 1914_ 1913_ 1912_ 1911_	725,5 714,8 689,8 691,2						1867 1866	377 357 520	,340 12 ,543 9 ,809 28		21,780 20,001 25,776 31,034 43,324	129,235 130,694 140,424 143,782 133,068	100,982 93,668 87,894 87,503 59,968	28,340 28,477 23,782 20,937 15,605
1910_ 1909_ 1908_ 1907_ 1906_	693,7 659,1 579,1 570,2	02 137,3		4 21,343 6 21,804 7 21,426 8 24,481 4 24,309	1		1865 1864 1863 1862 1861	865 714 474 66	,741 65 ,762 35 ,547 2	99,299 94,368 92,981	22,613 85,726 63,222 42,668 12,421	77,398 53,685 24,730 13,190 4,000	66,221 35,119 27,490 24,535 27,144	16,339 4,984 1,079 853 1,036
1905_ 1904_ 1903_ 1902_ 1901_	583,6 517,0 485,2 524,6			8 28,556 3 29,108 7 32,343	287,202 276,051 287,151	138,489 139,324	1858 1857 1856				11,515 14,643 13,985 12,748 14,092	3,177 2,638 1,567 1,678 1,954	32,029 28,546 33,148 34,108 36,577	1,103 1,220 1,217 1,312 1,298
1900 1899 1898 1897 1896	605,0 443,3 365,7 352,1		75 55,95 41 63,94 92 58,82 50 34,56 31 27,14		ı						13,312 10,799 10,919 8,953 9,006	2,314 3,071 3,666 4,000 3,697	29,342 32,442 23,652 23,017 23,195	1,450 1,238 1,778 2,404 2,290
1895. 1894. 1893. 1892. 1891.	356,1 367,5 383,4 345,6 365,1	95 51,8 95 54,5 178 49,6 174 48,7	05 28,79 68 31,70 42 30,13 95 29,17 20 26,11	6 27,264 4 23,378	244,616 253,416 276,436 245,576 258,898	141,395 141,177 159,358 134,588 124,416	1850 1849 1848 1847 1846	39 45 45 45 57 27	,543 ,052 ,377 ,281 ,767	9,400 14,853 25,502 38,306 10,793	7,905 9,787 9,408 7,901 6,455	3,782 3,566 2,391 1,119 843	18,456 16,846 8,076 9,956 9,676	1,870 1,330 1,211 1,748 1,810

Series Y 457-465. Outlays of the Federal Government: 1789 to 1970—Con. [In thousands of dollars]

•		Department of the	Depart-	Interest	Ot	her			Department of the	Depart-	Interest	Ot)	ner
Year	Total	Army (formerly War Depart- ment)	ment of the Navy	on the public debt	Total ²	Veterans compen- sation and pensions ⁴	Year	Total	Army (formerly War Depart- ment)	ment of the Navy	on the public debt	Total ²	Veterans compen- sation and pensions 4
	457	458	459	461	462	463		457	458	459	461	462	463
1845 1844 1843 1842	22,937 22,338 11,858 25,206	5,179 2,957	6,297 6,498 3,728 8,397	1,040 1,834 524 774	9,847 8,826 4,649 9,423	2,397 2,031 843 1,379	1817 1816	19,825 21,844 30,587	8,004 16,012	2,954 3,315 3,908	6,016 6,389 7,213	5,232 4,136 3,453	891 297 189
1841 1840 1839 1838	25,206 26,566 24,318 26,899 33,865	8,806 7,097 8,917 12,897	6,001 6,114 6,182 6,132	285 175 400 15	11,474 10,932 11,400 14,821	2,388 2,604 3 143	1815 1814 1813 1812	32,708 34,721 31,682 20,281 8,058	11.818	8,660 7,311 6,447 3,959 1,966	5,755 4,593 3,599 2,451 2,466	3,499 2,466 1,984 2,052 1,594	70 90 87 91 75
1837 1836	37,243 30,868	13,683 12,169	6,647 5,808	(NA) (NA)	16,914 12,891	,	1809	8,157 10,281	2,294 3,346	1,654 2,428	2,845 2,866 3,428	1,363 1,641	
1835 1834 1833 1832	17,573 18,628 23,018 17,289	6,704 5,446	3,865 3,956 3,901 3,956	58 202 304 773	7,891 8,773 12,108 7,114	1,955 3,364 4,589 1,184	1807 1806	9,932 8,354 9,804	1,289 1,224	1,884 1,722 1,650	3,370 3,723	1,719 1,974 3,206	84 88 83 71 82
1831 1830 1829 1828	15,248 15,143 15,203 16,395 16,139	li I	3,856 3,239 3,309 3,919	1,384 1,914 2,543 3,099 3,486	5,166 5,223 4,627 5,232	1,363 950 851	1802 1801	10,506 8,719 7,852 7,862 9,395	875 822 1 179	1,598 1,190 1,215 916 2,111	4,149 4,267 3,849 4,125 4,413	4,047 2,388 1,966 1,642 1,197	82 80 63 85 74
1827 1826	16,139 17,036 15,857	3,939 3,943 3,660	4,264 4,219 3,049	3,486 3,973 4.367	4,450 4,900 4,781	976 1,557 1,309	1800 1799	10,786 9,666 7,677	2,561 2,467	3,449 2,858 1,381	3,375 3,186 3,053	1,402 1,155	64 95
1824 1823 1822	20,327 14,707 15,000	3,341 3,097 3,112	2,905 2,504 2,224	4,997 4,923 5,173	9,085 4,183 4,491	1,499 1,781 1,948	1797 1796	6,134 5,727	1,039 1,260	383 275	3,300 3,195	1,232 1,412 997	105 92 101
1821 1820 1819	15,811 18,261 21,464	4,461 2,630	3,319 4,388 3,848	5,087 5,126 5,164	2,943 6,116 5,946	3,208 2,416	1795 1794 1793 1792	7,540 6,991 4,482 5,080	2,639 1,130	411 61 (NA) (Z)	3,189 3,490 2,772 3,202	1,459 800 580 777	69 81 80 109
	ĺ		·	,		,	1789– 1791	4,269	1	1	2,349	1,286	176

² Includes interest payments by Government corporations and other business-type activities on securities issued to the Treasury.

³ Beginning 1954, undistributed intrabudgetary transactions are deducted from total. Beginning 1932, interfund transactions are deducted from total.

⁴ Excludes education and training.

⁵ Social Security trust fund outlays are reflected under the Department of the Treasury through fiscal 1962, and under the Department of Health, Education, and Welfare, thereafter.

⁸ Includes military assistance.

Series Y 466-471. Outlays of the Federal Government, by Major Function: 1900 to 1939 [In millions of dollars. For years ending June 30]

Year	Total	Major national security	Inter- national affairs and finance	Veterans services and benefits	Interest	All other	Year	Total	Major national security	Inter- national affairs and finance	Veterans services and benefits	Interest	All other
	466	467	468	469	470	471		466	467	468	469	470	471
1939 1938 1937 1936	8,858 6,792 7,756 8,494	1,075 1,030 937 914	20 19 18 18	560 581 1,137 2,350	950 933 872 756	6,254 4,229 4,792 4,456	1920 1919 1918 1917	6,357 18,448 12,662 1,954 713	3,997 13,548 7,110 602	435 3,500 4,748 891	332 324 235 171	1,024 616 198 25	569 460 371 265 208
1935 1934 1932 1931	6,521 6,694 4,623 4,659 3,578	711 540 648 703 783	19 12 16 19 16	607 557 863 985 1,040	826 770 701 619 628	4,358 4,815 2,395 2,333 1,161	1916 1915 1914 1913 1912 1911	713 746 725 715 690 691	305 297 298 293 284 283	5 5 5 5 5	171 176 173 175 154 158	23 23 23 23 23 23 21	245 226 219 224 1 229
1930	3,320 3,127 2,933 2,837 2,888	734 696 656 578 586	14 14 12 17 17	821 812 806 786 772	697 719 731 787 832	1,054 886 728 669 681	1910 1909 1908 1907 1906	694 694 659 579 570	284 308 294 247 247	0000	161 162 154 139 141	21 22 21 24 24	1 228 1 202 1 190 1 169 1 158
1925 1924 1923 1922 1922	2,881 2,890 3,137 8,285 5,058	591 647 680 929 2,581	15 15 14 10 83	741 676 747 686 646	882 941 1,056 991 999	652 611 640 669 749	1905	567 584 517 485 525 521	244 268 202 180 206 191	99999	142 143 138 138 139 141	25 25 29 29 32 40	1 156 1 148 1 148 1 138 1 148 1 149

¹ Figures for "International affairs and finance" included with "All other."

NA Not available.

Z Less than \$500.

Effective Jan. 3, 1949, amounts refunded by the Government, principally for overpayment of taxes, are reported as deductions from total receipts rather than as outlays. Also, effective July 1, 1948, payments to the Treasury, principally by wholly owned Government corporations for retirement of capital stock and for disposition of earnings, are excluded in reporting both budget receipts and outlays. Neither change affects the budget surplus or deficit. Figures beginning with fiscal 1913 have been adjusted accordingly for comparability.

Series Y 472-487. Outlays of the Federal Government, by Major Function: 1940 to 1970

[In millions of dollars. For years ending June 30. Data for 1940-1958 are consolidated cash statement figures; for 1954-1970, unified budget figures]

Year	Total outlays	National defense	Inter- national affairs and finance	Space research and tech- nology	Veterans benefits and services	Health	Income security	Educa- tion and man- power	Agricul- ture and rural develop- ment	Natural resources and environ- ment	Com- merce and transpor- tation	Com- munity develop- ment and housing	General govern- ment	Interest	Undis- tributed intra- govern- mental transac- tions 1	Unallo- cable ²
	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487
1970	196,588	80,295	3,570	3,749	8,677	12,907	48,790	7,289	6,201	2,568	9,310	2,965	3,336	18,312	-6,380	
1969	184,548	81,232	3,785	4,247	7,640	11,611	87,699	6,525	6,218	2,169	7,921	1,961	2,866	15,791	-5,117	
1968	178,833	80,517	4,619	4,721	6,882	9,608	34,108	6,789	5,940	1,722	8,094	4,076	2,561	13,744	-4,499	
1967	158,254	70,081	4,547	5,423	6,897	6,667	81,164	5,853	4,378	1,878	7,594	2,616	2,510	12,588	-3,936	
1966	134,652	56,785	4,490	5,933	5,920	2,509	29,016	4,258	3,676	2,036	7,171	2,644	2,292	11,285	-3,364	
1965	118,430	49,578	4,340	5,091	5,722	1,704	25,702	2,284	4,805	2,056	7,399	288	2,210	10,357	-3,109	
1964	118,584	58,591	4,117	4,170	5,681	1,716	25,110	1,751	5,184	1,966	6,511	185	2,040	9,810	-2,877	
1963	111,311	52,257	4,115	2,552	5,520	1,879	24,084	1,502	5,138	1,498	5,765	880	1,810	9,215	-2,644	
1962	106,813	51,097	4,492	1,257	5,625	1,180	22,530	1,406	4,122	1,675	5,430	589	1,650	8,321	-2,513	
1961	97,795	47,381	3,357	744	5,688	873	21,227	1,227	3,340	1,554	5,062	191	1,491	8,108	-2,449	
1960	92,223	45,908	3,054	401	5,426	756	18,208	1,060	3,322	1,002	4,790	971	1,327	8,299	-2,296	
1959	92,104	46,617	3,267	145	5,428	654	17,247	870	5,365	1,193	4,467	851	1,168	7,070	-2,238	
1958	82,575	44,871	3,063	89	5,184	540	15,016	820	3,224	870	3,033	109	1,248	6,944	-1,931	
1957	76,741	42,760	3,074	76	4,870	461	11,522	672	3,082	752	2,171	832	1,643	6,679	-1,853	
1956	70,460	40,805	2,181	71	4,810	842	9,789	674	3,991	251	1,791	80	1,831	6,292	-1,448	
1955 1954 1953 1952 1951	68,509 70,890 76,769 67,962 45,797	40,245 46,645 50,413 44,015 22,544	2,038 1,503 2,268 2,954 3,822	74 90 79 67 62	4,522 4,341 4,522 5,350 5,530	271 288 318 330 307	9,122 7,760 6,128 5,206 4,442	573 437 425 322 221	4,023 2,373 2,965 1,086 691	493 941 1,517 1,409 1,311	1,128 1,118 1,826 1,807 1,482	12 639 397 589 501	1,187 1,247 1,497 1,468 1,312	6,080 6,012 6,450 5,834 5,628	-1,209 -1,226 -1,422 -1,302 -1,204	-614 -1,168 -852
1950	42,147	13,119	4,775	54	8,837	252	4,707	219	2,818	1,246	1,618	250	1,174	5,744	-1,189	-477
1949	40,570	13,097	6,121	49	6,601	183	3,580	165	2,547	1,089	1,482	295	1,060	5,414	-1,074	-89
1948	36,493	13,015	4,651	38	6,445	150	2,782	171	604	770	1,063	100	1,294	5,135	-998	1,278
1947	36,931	13,059	4,552	35	6,907	146	2,762	97	1,274	554	664	260	1,224	4,903	-904	1,898
1946	61,738	44,731	2,739	32	3,364	173	2,509	110	478	322	849	579	885	4,694	-818	2,244
1945	95,184	81,585	3,312	38	1,132	186	1,178	234	1,628	329	4,147	-191	758	3,549	- 624	-2,067
	93,956	76,874	3,642	30	709	152	1,080	197	1,228	412	7,740	307	886	2,544	- 503	-1,342
	78,909	63,212	3,320	23	613	73	1,136	198	785	510	7,515	297	791	1,786	- 366	-984
	34,500	23,970	1,841	12	603	61	1,454	188	1,833	541	3,549	207	480	1,263	- 308	-1,194
	13,980	6,062	146	8	629	53	1,628	142	1,530	459	2,152	122	384	1,116	- 258	-193
	9,589	1,504	52	3	628	48	1,460	73	1,580	481	2,643	28	354	1,049	- 224	-90

 $^{^{1}\}mbox{Represents}$ employer share of employee retirement and interest received by trust funds.

Series Y 488-492. Gross Federal Debt Outstanding: 1939 to 1970

[In millions of dollars. As of June 80]

	Gross	Held by	н	eld by the publ	lic		Gross	Held by	н	eld by the publ	ic
Year	Federal debt	Federal Government accounts	Total	The Federal Reserve System	Other	Year	Federal debt	Federal Government accounts	Total	The Federal Reserve System	Other
	488	489	490	491	492		488	489	490	491	492
1970 1969 1968 1967 1966 1965 1964 1963 1962 1961 1960 1959 1958 1957 1956	382,603 367,144 369,769 341,343 329,474 323,154 316,763 310,807 303,291 292,895 290,862 287,767 279,693 272,353 272,768	97, 728 87, 661 79, 140 73, 819 64, 784 61, 540 59, 210 56, 345 54, 918 54, 291 53, 686 52, 764 53, 329 52, 931 50, 537	284,880 279,483 290,629 267,529 264,690 261,614 254,461 248,373 238,604 237,177 235,107 226,363 219,421 222,226	57, 714 54, 095 52, 230 46, 719 42, 169 39, 100 34, 794 32, 027 29, 663 27, 253 26, 523 26, 523 26, 438 23, 035 23, 758	227,166 225,388 238,399 220,810 222,521 222,514 222,759 222,484 218,710 211,351 210,654 208,959 200,925 196,386 198,468	1955 1954 1953 1952 1951 1950 1949 1948 1947 1946 1944 1943 1942 1941 1940 1939 1939	274,366 270,812 265,963 259,097 255,288 256,858 252,610 252,081 257,149 270,991 260,123 204,079 142,648 79,200 57,531 50,696 48,156	47,751 46,313 47,580 44,339 40,962 37,830 38,288 35,761 32,810 29,130 24,941 19,283 14,882 11,447 9,308 7,924 6,735	226,616 224,499 218,383 214,758 214,326 219,023 214,322 216,270 224,339 241,861 235,182 184,766 67,753 48,223	23,607 25,037 24,746 22,986 22,982 18,331 19,343 21,366 21,872 23,733 21,792 14,899 7,149, 2,640 2,180 2,458 2,551	203,009 199,462 193,637 191,852 191,344 200,692 194,979 194,904 202,467 218,078 213,390 169,897 120,617 65,113 46,043 40,314 38,870

² Allowance for differences between the unified budget and the consolidated cash statement.

Series Y 493-504. Public Debt of the Federal Government: 1791 to 1970

[For 1791-1842, as of January 1; thereafter, as of June 30]

		Principal of	public debt o	outstanding					Composition	n of interest-b	earing debt	
	Tota	l debt		Non-	Interest-	Computed annual interest	Computed rate of	Bor	ıds	Treasury		Special
Year	Amount 1	Per capita 2	Matured	interest- bearing ³	bearing 4	charge	interest	U.S. savings bonds	Other bonds 5	Treasury bills *	Notes 7	issues ⁸
	493	494	495	496	497	498	499	500	501	502	503	504
	1,000 dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	Percent	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
1970 1969 1968 1967 1966			365,990 460,746 253,982 284,263 307,674		369,025,522 351,729,445 344,400,507 322,285,952 315,431,055		5.557 4.891 4.499 4.039 8.988	51,281 51,711 51,712 51,213 50,537	65,551 81,430 93,789 100,243 105,439	78,050 69,039 65,580 64,899 57,348	97,821 82,761 73,793 49,774 50,987	76,823 66,790 59,526 56,155 51,120
1965 1964 1963 1962 1961	317,273,899 311,712,899 305,859,633 298,200,823 288,970,939	1,630.46 1,622.49 1,614.74 1,597.60 1,572.58	292,260 295,293 310,416 437,628 349,355	3,868,822 4,061,045 3,595,487 3,321,194 2,949,975	313,112,817 307,356,562 301,953,731 294,442,001 285,671,609	11,466,618 10,900,361 10,119,295 9,518,857 8,761,496	3.678 3.560 3.360 3.239 3.072	50,043 49,299 48,314 47,607 47,514	107,188 92,962 86,619 79,915 86,796	54,537 51,028 69,891 56,518 50,062	52,699 67,436 52,328 65,464 56,257	48,650 46,627 44,801 44,939 45,043
1960			444,609 476,455 597,825 529,242 666,052	2,644,969 2,396,090 1,048,333 1,512,368 2,201,694	283,241,183 281,833,362 274,697,560 268,485,563 269,883,068	9,316,067 8,065,917 7,245,155 7,325,147 6,949,700	3.297 2.867 2.638 2.730 2.576	47,544 50,503 51,984 54,622 57,497	88,250 93,401 100,725 92,170 94,210	51,065 65,860 55,326 43,893 37,111	51,483 27,314 20,416 30,973 35,952	44,899 44,756 46,246 46,827 45,114
1955			588,601 437,185 298,421 418,692 512,047	2,044,354 1,912,648 1,826,623 1,823,625 1,858,165	271,741,268 268,909,767 263,946,018 256,862,861 252,851,765	6,387,226 6,298,069 6,430,991 5,981,357 5,739,616	2.351 2.342 2.438 2.329 2.270	58,365 58,061 57,886 57,685 57,572	94,133 98,660 95,084 90,221 93,881	33,350 87,920 35,561 45,642 23,123	42,642 37,039 84,878 25,575 43,624	43,250 42,229 40,588 37,789 34,653
1950 1949 1948 1947 1946			264,771 244,757 279,752 230,914 376,407		255,209,353 250,761,637 250,063,348 255,113,412 268,110,872		2.200 2.236 2.182 2.107 1.996	57,536 56,260 53,274 51,367 49,035	104,490 112,306 114,464 121,607 119,929	31,951 40,964 36,345 41,071 51,843	28,876 8,456 15,769 13,702 24,972	32,356 32,776 30,211 27,366 22,332
1945 1944 1943 1942 1941		1,848.60 1,452.44 999.83 537.13 367.09	268,667 200,851 140,500 98,300 205,000	2,056,904 1,259,181 1,175,284 355,727 369,044	256,356,616 199,543,355 135,380,306 71,968,418 48,387,400	4,963,730 3,849,255 2,678,779 1,644,476 1,218,239	1.936 1.929 1.979 2.285 2.518	45,586 34,606 21,256 10,188 4,314	107,149 80,132 58,164 38,588 30,652	51,177 48,557 28,425 5,604 1,603	33,633 26,962 16,663 9,703 5,698	18,812 14,287 10,871 7,885 6,120
1940 1939 1938 1937 1936	42,967,531 40,439,532 37,164,740 36,424,614 33,778,543	308.98 286.27 282.75	204,591 142,283 141,362 118,530 169,363	386,444 411,280 447,452 505,974 620,390	35.800.109	1,094,620 1,036,937 947,084 924,347 838,002	2.583 2.600 2.589 2.582 2.559	2,905 1,868 1,238 800 316	27,012 25,698 22,361 20,522 18,312	1,302 1,308 1,154 2,303 2,354	6,383 7,243 9,147 10,617 11,381	4,775 3,770 2,676 1,558 626
1935 1934 1933 1982 1931		914 07	230,662 54,267 65,911 60,079 51,819	824,989 518,387 315,118 265,650 229,874	27,645,241 26,480,488 22,157,643 19,161,274 16,519,589	750,678 842,301 742,176 671,605 588,987	2.716 3.181 3.350 3.505 3.566	62	14,874 16,510 14,223 14,250 13,531	2,053 2,921 3,063 3,341 2,246	10,023 6,653 4,548 1,261 452	633 396 323 309 291
1930 1929 1928 1927 1926	16,185,310 16,931,088 17,604,293 18,511,907 19,643,216	146.09 155.51	31,717 50,749 45,335 14,719 13,360	231,701 241,398 241,264 244,524 246,086	15,921,892 16,638,941 17,317,694 18,252,665 19,883,771	606,032 656,654 671,353 722,676 793,424	3.807 3.946 3.877 3.960 4.098		12,111 12,125 13,021 15,222 16,928	1,420 1,640 1,252 686 453	1,626 2,267 2,582 1,986 1,799	764 607 462 359 204
1925	20,516,194 21,250,813 22,349,707 22,963,382 23,977,451	186.23 199.64 208.65	30,259 30,278 98,739 25,251 10,688	275,028 289,293 243,925 227,793 227,862	22,007,044 22,710,338 23,738,900	829,680 876,961 927,381 962,897 1,029,918	4.180 4.214		16,842 16,025 16,535 15,965 16,119	533 808 1,031 1,829 2,700	2,740 4,148 4,441 4,916 4,920	95
1920 1919 1918 1917 1916	24,299,321 25,484,506	242.56 119.13 28.77	6,745 11,176 20,243 14,232 1,473	230,076 236,383 237,475 248,837 252,110	24,062,500 25,236,947 12,197,508 2,712,549		$\frac{3.910}{3.120}$		16,218 17,188 9,911 2,412 967	2,769 3,625 1,706 273	369 27	

Series Y 493-504. Public Debt of the Federal Government: 1791 to 1970-Con.

		Principal of	f public debt	outstanding		Computed	Composition bearin	of interest-		
Year		l debt	Matured	Non- interest- bearing ³	Interest- bearing 4	annual interest charge	Other bonds ⁵	Treasury bills ⁶	Year	Debt 1
	Amount 1	Per capita 2	495	496	497	498	501	502		493
							Million	Million		
	1,000 dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	dollars	dollars		1,000 dollars
915 914 913 912 911	1,191,264 1,188,235 1,193,048 1,193,839 1,153,985	11.85 11.99 12.27 12.52 12.29	1,507 1,558 1,660 1,760 1,880	219,998 218,730 225,682 228,301 236,752	969,759 967,953 965,707 963,777 915,353	22,937 22,891 22,835 22,787 21,337	970 968 966 964 915		1850 1849 1848 1847 1847	63,458 63,062 47,045 38,827 15,550
910 909 908 908 907	1,146,940 1,148,315 1,177,690 1,147,178 1,142,528	12.41 12.69 13.28 13.19 13.37	2,125 2,884 4,130 1,087 1,128	231,498 232,114 276,056 251,257 246,236	913,317 913,317 897,504 894,834 895,159	21,276 21,276 21,101 21,629 23,248	913 913 883 895 895	(Z) (Z)	1845 1844 1843 1842 1841	15,925 23,462 32,748 13,594 5,251
905		13.51 13.83 14.38 14.88 15.74	1,370 1,971 1,205 1,281 1,416	235,829 239,181 243,659 245,680 233,016	895,158 895,157 914,541 931,070 987,141	24,177 24,177 25,542 27,543 29,789	895 895 915 913 987	(Z) (Z) (Z) (Z) (Z) (Z) (Z) (Z) (Z) (Z)	1840 1839 1838 1838 1837	3,578 10,434 3,308 837 38
900 899 898 898 897	1 263 417	16.60 19.21 16.77 16.99 17.25	1,176 1,218 1,263 1,347 1,637	238,762 389,434 384,113 378,082 373,729	1,023,479 1,046,049 847,367 847,365 847,364	38,541 40,848 34,387 34,387 34,387	1,023 1,046 847 847 847	(Z) (Z) (Z) (Z) (Z)	1835 1834 1838 1832 1832	38 4,760 7,012 24,322 39,123
895 894 898 892 891	1,096,913	15.76 14.89 14.36 14.74 15.68	1,722 1,851 2,094 2,786 1,615	378,989 380,005 374,301 380,404 393,663	716,202 635,042 585,037 585,029 610,529	29,141 25,394 22,894 22,894 23,616	716 635 585 585 610	(Z) (Z) (Z) (Z) (Z)	1830 1829 1828 1827 1826	48,568 58,421 67,478 73,983 81,054
890 889 888 887	1,122,397 1,249,471 1,384,632 1,465,485	17.80 20.28 22.89 24.75 26.85	1,816 1,911 2,496 6,115 9,704	409,268 481,705 445,613 451,678 413,941	711,313 815,854 936,523 1,007,692 1,182,014	29,418 33,752 38,992 41,781 45,510	711 816 936 1,008 1,132	(Z) (Z) (Z) (Z) (Z) (Z)	1825 1824 1823 1823 1822	93 799
885	1,578,551 1,625,307 1,721,959 1,856,916 2,019,286	27.86 29.35 31.83 85.16 39.18	4,101 19,656 7,831 16,261 6,724	392,299 393,088 389,899 390,845 386,994	1,182,151 1,212,564 1,324,229 1,449,810 1,625,568	47,014 47,926 51,437 57,365 75,019	1,182 1,212 1,324 1,449 1,625	(Z) (Z) (Z) (Z)	1820 1819 1818 1817 1816	91,010 95,530 103,467 123,492 127,388
880	2,090,909 2,298,913 2,159,418 2,107,760 2,130,846	41.60 46.72 44.82 44.71 46.22	7,621 37,015 5,594 16,649 3,902	373,295 374,181 373,089 393,228 430,258	1,709,993 1,887,716 1,780,736 1,697,889 1,696,685	79,634 83,774 94,654 93,161 96,104	1,709		1816 1814 1813 1812 1811	99,884 81,488 55,963 45,210 48,000
875 874 873 872 871	2,156,277 2,159,933 2,151,210 2,209,991 2,322,052	47.84 49.05 50.02 52.65 56.72	11,426 3,216 51,929 7,927 1,949	436,175 431,786 402,797 401,270 399,406	1,708,676 1,724,931 1,696,484 1,800,794 1,920,697	96,856 98,796 98,050 103,988 111,949			1810	53,173 57,023 65,196 69,210 75,72
870 869 868 867 866	2,436,453 2,545,111 2,583,446 2,650,168 2,755,764	61.06 65.17 67.61 70.91 75.42	3,570 5,112 1,246 1,739 4,436	397,003 888,508 390,874 409,474 429,212	2,035,881 2,151,495 2,191,326 2,238,955 2,322,116	118,785 125,524 128,460 138,892 146,068	1	Í	1805 1804 1803 1802 1802	82,312 86 42
865 864 863 862 861	2,677,929 1,815,831 1,119,774	75.01 52.08 82.91 15.79 2.80	2,129 367 172 231 159	458,090 455,437 411,767 158,591	2,217,709 1,360,027 707,834 365,856 90,423	187,743 78,853 41,854 22,049 5,093			1800	82,976 78,409 79,229 82,064 83,762
860 859 858 857 856	I 58.498	2.06 1.91 1.59 .93 1.30	161 165 170 198 169		64,683 58,333 44,743 28,503 31,805	3,444 3,126 2,447 1,673 1,869			1795 1794 1798 1798 1792	80,748 78,427 80,859 77,228 75,468
855 854 853 852 851	42,244 59,805 66,199	1.30 1.59 2.32 2.67 2.85	170 199 162		35,418 42,045 59,642	2,314				

Z Less than \$500,000.

¹ Figures for 1791 through 1852 are not entirely comparable with later figures.

² Based on Bureau of the Census estimated population. Beginning 1969, estimates include Alaska and, 1960, Hawaii.

³ Includes old demand notes; U.S. notes (gold reserve deducted since 1900); postal currency and fractional currency less the amounts officially estimated to have been destroyed; and also the deposits held by the Treasury for the retirement of Federal Reserve banknotes, and for national banknotes of national banks failed, in liquidation, and reducing circulation, which, prior to 1890, were not included in the published debt statements. Does not include gold, silver, or currency certificates, or Treasury notes of 1890 for redemption of which an exact equivalent of the respective kinds of money or bullion was held in the Treasury.

⁴ Exclusive of bonds issued to Pacific Railways (provision was made by law to secure the Treasury against both principal and interest) and the Navy pension fund (which was not a debt, the principal being the property of the United States). The Statement of the Public Debt included the railroad bonds from issuance and the Navy fund from Sept. I, 1896, until the Statement of June 30, 1890.

⁵ Includes Treasury, Panama Canal, Depositary, and U.S. retirement plan bonds.

⁶ Includes certificates of indebtedness. Also includes refunding certificates of deposit, 1880–1907, inclusive.

⁷ Includes old Treasury (War) savings securities from 1918 through 1929.

⁸ Comprises special issues to Government agencies and trust funds.

Series Y 505-521. Federal, State, and Local Government Revenue, by Source: 1902 to 1970 [In millions of dollars]

		,			General	revenue							Insura	nce trust 1	evenue		
	Total				Та	xes				Utility and	-		Unemp	loyment ir	surance	Old- age	
Year	revenue 1	Total	Total	Individ- ual income	Corpora- tion income	Sales, gross receipts, and customs	Prop- erty	Other taxes, in- cluding licenses	Charges and miscel- laneous	liquor stores revenue	Total 2	Em- ployee retire- ment	Total	Contri- butions	Interest (credited by U.S. Govern- ment)	and sur- vivors insur- ance	Other
	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521
1970 1969 1968 1967 1966	383,810 312,638 265,639 252,563 225,547	272,480 258,242 217,323 206,696 188,368	232,877 222,708 185,126 176,121 160,742	101,224 96,157 76,034 67,352 60,206	36,567 39,858 31,183 36,198 32,111	48,619 44,345 39,186 36,336 33,726	34,054 30,673 27,747 26,047 24,670	12,413 11,675 10,976 10,188 10,029	39,603 35,534 32,197 30,575 27,626	8,614 7,840 7,502 6,911 6,619	52,716 46,557 40,814 38,956 30,558	8,206 7,133 6,240 5,492 4,870	3,224 3,174 3,103 3,422 3,476	2,654 2,683 2,685 3,057 3,188	569 491 418 365 288	38,485 33,649 29,029 27,663 20,023	2,802 2,600 2,441 2,380 2,189
1965 1964 1963 1962 1961	202,585 192,412 180,302 168,062 158,741	160,740 151,751 142,397	144,953 138,292 130,811 123,816 116,331	52,882 52,488 50,855 48,608 43,951	27,390 25,188 23,084 21,831 22,220	32,904 30,538 28,661 26,922 25,112	22,583 21,241 19,833 19,054 18,002	9,191 8,838 8,378 7,402 7,047	24,739 22,448 20,940 18,581 17,637	6,355 5,975 5,532 5,308 5,116	26,539 25,697 23,019 20,357 19,657	4,494 4,078 3,729 3,438 3,190	3,387 3,404 3,331 2,967 2,669	3,145 3,198 3,150 2,802 2,473	241 205 181 164 196	16,742 16,386 14,195 12,289 12,131	1,916 1,828 1,765 1,663 1,667
1960 * 1959 * 1958 1957 1956	153,102 133,055 130,408 129,151 119,651	130,618 114,178 112,466 112,723 104,494	113,120 99,636 98,387 98,632 91,593	43,178 38,713 36,483 37,374 33,725	22,674 18,310 21,092 22,151 21,770	24,452 21,769 21,102 20,594 19,160	16,405 14,983 14,047 12,864 11,749	6,411 5,862 5,661 5,650 5,190	17,499 14,542 14,079 14,091 12,900	4,877 4,536 4,211 4,127 3,854	17,608 14,341 13,726 12,301 11,303	2,868 2,641 2,365 2,130 1,872	2,476 1,935 1,807 1,799 1,536	2,295 1,754 1,587 1,588 1,349	183 181 220 210 187	10,656 8,294 8,044 6,857 6,442	1,606 1,472 1,508 1,515 1,453
1955 1954 1953 1952	106,404 108,255 104,781 100,245	93,264 95,844 93,124 89,230	81,072 84,476 83,704 79,066	29,984 30,669 30,881 28,919	18,604 21,879 22,055 22,072	17,221 17,643 17,279 15,689	10,735 9,967 9,375 8,652	4,527 4,317 4,112 3,735	12,192 11,369 9,420 10,163	3,688 3,496 3,324 3,108	9,452 8,914 8,333 7,907	1,622 1,502 1,332 1,253	1,345 1,488 1,571 1,612	1,157 1,284 1,389 1,452	188 204 182 160	5,087 4,554 4,060 3,547	1,398 1,370 1,369 1,495
1950 1948 1946 1944 1942	66,680 67,005 61,532 64,778 28,352	58,486 59,666 55,130 58,617 24,347	51,100 51,218 46,380 49,095 20,793	16,533 19,848 16,579 20,043 3,481	11,081 10,270 12,280 15,188 4,999	12,997 12,092 9,950 7,012 5,776	7,349 6,126 4,986 4,604 4,537	3,140 2,881 2,586 2,249 2,000	7,386 8,448 8,750 9,522 3,554	2,712 2,511 2,033 1,633 1,277	5,482 4,828 4,369 4,528 2,728	965 672 571 498 285	1,190 1,337 1,282 1,518 1,218	1,042 1,193 1,154 1,432 1,159	148 144 128 86 59	2,107 1,616 1,201 1,260 869	1,219 1,203 1,316 1,251 356
1940 1938 1936 1934 1932	17,804 17,484 13,588 11,300 10,289	14,858 15,023 12,533 10,463 9,578	12,688 12,949 10,583 8,854 7,977	1,183 1,495 819 485 479	1,279 1,498 858 435 677	4,109 3,815 3,389 2,885 1,485	4,430 4,440 4,093 4,076 4,487	1,687 1,701 1,424 973 849	2,170 2,074 1,950 1,609 1,601	998 877 747 590 463	1,948 1,584 308 247 248	214 182 158 136 126	931 731 23	896 706 23	35 25	538 387	265 284 127 111 122
1927 1922 1913 1902	12,191 9,322 2,980 1,694	11,551 8,894 2,862 1,632	9,451 7,387 2,271 1,373	949 2,	1,351 040 35	1,558 1,306 670 515	4,730 3,321 1,332 706	862 721 234 152	2,100 1,507 591 259	403 266 116 62	237 162 2	92 59 2					145 103

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ To avoid duplication, transactions between governments are excluded; see text.

Series Y 522-532. Federal, State, and Local Government Expenditure and Governmental Debt: 1902 to 1970
[In millions of dollars. For 1962 and earlier years, figures relate to governmental fiscal years ending within the particular calendar year. Since 1962, figures for local governments are grouped in terms of fiscal years which closed within the 12 months ending June 30]

				Expen	diture					Indeb	tedness
Year	Total 1		Capital outle	у	Current	Assistance and	Interest	Insurance benefits	Expenditures for personal services	Debt out- standing	Increase or decrease (-)
		Total	Construction	Other	operation	subsidies	debt ²	and re- payments		at end of fiscal year	in debt during year
	522	523	524	525	526	527	528	529	530	531	532
1970	332,985	47,519	28,402	19,118	197,020	20,764	19,160	48,521	110,499	514,489	27,221
1969	308,344	47,246	26,836	20,410	181,547	18,288	17,663	43,600	99,068	487,268	18,532
1968	282,645	47,057	24,772	22,285	165,515	16,450	15,496	38,127	89,375	468,736	28,856
1967	257,800	42,101	23,832	18,269	153,458	14,694	13,985	33,561	81,270	439,880	13,669
1966	224,813	39,981	22,411	17,569	130,488	13,363	12,857	28,126	72,963	426,958	10,172
1965	205,550	33,744	20,885	12,860	122,481	12,493	11,952	24,880	65,724	416,786	12,851
1964	196,431	86,905	19,420	17,485	111,496	12,750	11,119	24,161	61,361	403,935	13,019
1963	184,996	36,272	18,005	18,269	103,471	11,716	10,277	23,259	56,976	390,916	(NA)
1962	176,240	35,220	17,298	17,922	98,146	11,660	9,586	21,628	54,153	379,479	14,767
1961	164,875	32,320	16,987	15,333	91,723	10,931	9,710	20,191	50,215	363,994	7,708
1960 *	151,288	31,946	15,832	16,113	81,654	10,402	9,690	17,596	47,136	356,286	7,470
	145,748	32,228	16,385	15,842	78,950	10,658	7,283	16,631	44,994	348,816	14,286
	134,931	30,838	14,922	15,916	71,637	10,278	7,653	14,524	41,857	334,530	10,964
	125,463	28,866	13,782	15,084	68,966	9,488	6,873	11,269	39,486	323,566	1,947
	115,796	26,363	12,771	13,592	64,110	9,215	6,531	9,576	37,573	321,619	2,978
1955	110,717	28,736	12,612	16,125	58,133	8,942	5,904	9,002	34,916	318,641	8,450
1954	111,332	27,369	11,739	15,631	62,494	8,271	5,713	7,484	33,538	310,190	10,338
1953	110,054	26,403	10,498	15,904	63,051	8,933	5,660	6,006	33,070	299,852	10,648
1952	99,847	24,873	9,723	15,151	56,112	8,387	4,986	5,489	29,766	289,205	5,867

 $^{^{2}\,\}mathrm{Excludes}$ interest on Federal securities held by Federal agencies and funds; see text. $^{3}\,\mathrm{Includes}$ Alaska.

Y 522-549 GOVERNMENT

Series Y 522-532. Federal, State, and Local Government Expenditure and Governmental Debt: 1902 to 1970-Con. [In millions of dollars]

				Expe	nditure					Indeb	tedness
Year	Total 1		Capital outlay		Current	Assistance and	Interest on	Insutance benefits	Expenditures for personal services	Debt out-	Increase or decrease (-
		Total	Construction	Other	operation	subsidies	debt 2	and re- payments	02.7700	at end of fiscal year	in debt during year
	522	523	524	525	526	527	528	529	530	531	532
1950 1948 1946 1946 1944	70,834 55,081 79,707 109,947 45,576		6,840 4,376 2,536 5,117 8,232		51,584 48,226 70,356 101,201 34,625		5,017 4,866 4,422 2,786 1,782	6,894 2,614 2,392 842 986	20,530 17,345 28,413 26,760 10,966	281,472 270,948 285,339 218,482 91,759	7,703 -4,153 9,986 63,013 22,891
1940 1938 1936 1934 1932	20,417 17,675 16,758 12,807 12,437		3,139 2,662 2,427 2,155 1,876		14,624 12,835 12,551 8,888 8,968		1,686 1,624 1,558 1,571 1,422	968 554 222 193 171	7,649 7,047 6,353 5,338 4,729	68,251 56,601 53,253 45,982 88,692	2,748 714 5,305 3,855 2,918
1927 1922 1913 1902	11,220 9,297 3,215 1,660		2,095 1,397 561 202		7,560 6,398 2,451 1,350		1,426 1,418 196 108	139 84 7	4,255 3,303 1,427 970	33,393 33,072 5,607 3,285	-57 432

Series Y 533-566. Federal, State, and Local Government Expenditure, by Function: 1902 to 1970 [In millions of dollars]

									General ex	penditure							
	Total		and inter	defense national			Educ	ation				Public	welfare				
Year	expen- diture 1	Total	Total	Military services only	Postal service	Total	State institu- tions of higher educa- tion	Local schools	Other educa- tion	High- ways	Total	Cate- gorical public assist- ance	Other public assist-ance	Other public welfare	Hos- pitals	Health	Police
	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549
1970	332,985	275,017	84,253	76,550	7,722	55,771	12,924	37,461	5,386	16,746	17,517	6,917	554	10,046	9,693	3,895	4,903
1969	308,344	255,924	84,496	77,179	6,993	50,377	11,551	33,752	5,074	15,738	14,730	5,737	515	8,479	8,593	3,337	4,242
1968	282,645	236,348	83,874	76,747	6,485	43,614	10,214	29,805	4,095	14,654	11,245	4,849	420	5,975	7,801	2,778	3,700
1967	257,800	216,888	74,638	66,782	6,227	40,214	8,932	27,590	3,692	14,033	9,592	4,388	295	4,909	6,951	2,506	3,331
1966	224,813	189,406	60,832	53,770	5,706	34,837	7,207	25,091	2,539	12,895	6,965	3,829	266	2,872	6,297	2,065	3,083
1965	205,550	173,613	55,810	48,385	5,261	29,613	5,863	21,966	1,785	12,348	6,420	3,697	256	2,467	5,865	1,805	2,792
1964	196,431	166,088	57,326	49,341	4,775	27,342	5,278	20,399	1,665	11,828	5,880	3,491	258	2,131	5,461	1,618	2,586
1963	184,996	156,002	56,386	47,973	4,402	24,480	4,466	18,759	1,255	11,315	5,538	3,327	250	1,961	5,106	1,540	2,446
1962	176,240	149,159	55,172	46,950	4,101	22,814	4,042	17,739	1,032	10,508	5,147	3,266	259	1,623	4,791	1,344	2,326
1961	164,875	139,161	51,210	43,068	4,025	21,214	3,570	16,608	1,036	9,995	4,779	3,084	335	1,362	4,549	1,132	2,210
1960 *	134 931	128,600	48,922	41,340	3,730	19,404	3,202	15,166	1,036	9,565	4,462	3,006	310	1,145	4,213	1,031	2,030
1959 *		124,217	49,688	41,230	3,499	18,119	2,920	14,034	1,165	9,726	4,193	2,897	301	995	4,074	993	1,880
1958		115,714	47,626	38,998	3,327	16,836	2,582	13,032	1,222	8,702	3,866	2,700	275	890	3,805	761	1,769
1957		109,765	47,500	39,073	3,034	15,098	2,206	11,657	1,235	7,931	3,534	2,538	195	801	3,416	735	1,628
1956		102,156	43,388	35,553	2,899	14,160	1,814	11,165	1,182	7,035	3,184	2,319	244	621	3,068	671	1,486
1955	110,717	97,828	43,472	35,782	2,726	12,710	1,570	10,129	1,012	6,520	3,210	2,278	329	603	2,721	707	1,358
1954	111,332	100,365	49,265	40,519	2,669	11,196	1,418	8,947	831	5,586	3,103	2,284	308	561	2,676	692	1,254
1953	110,054	100,738	53,583	43,847	2,686	10,117	1,861	7,822	934	5,053	2,956	2,167	272	516	2,548	698	1,160
1952	99,847	91,291	48,187	38,962	2,612	9,598	1,267	6,862	1,469	4,714	2,830	2,033	303	493	2,460	739	1,080
1950	70,334	60,701	18,355	12,118	2,270	9,647	1,107	5,906	2,634	3,872	2,964	2,010	538	416	2,050	661	864
1948	55,081	50,088	16,075	10,642	1,715	7,721	895	4,863	2,463	3,071	2,144	1,473	357	314	1,898	536	724
1946	79,707	75,582	50,461	42,677	1,381	3,711	397	2,886	428	1,680	1,435	1,014	216	205	762	380	549
1944	109,947	107,823	85,503	74,670	1,085	2,805	380	2,344	81	1,215	1,150	842	166	142	568	289	497
1942	45,576	43,483	26,555	22,633	878	2,696	296	2,225	175	1,765	1,285	761	345	179	517	197	444
1940	20,417	18,125	1,590	1,567	808	2,827	290	2,292	245	2,177	1,314	7	438	265	537	195	386
1938	17,675	16,273	1,041	1,021	776	2,653	268	2,172	213	2,150	1,233		485	265	496	182	378
1936	16,758	15,835	932	916	751	2,365	231	1,904	230	1,945	997		31	266	461	131	331
1934	12,807	12,086	553	541	651	2,005	177	1,623	205	1,829	979		96	183	416	119	306
1932	12,437	11,748	721	702	794	2,325	234	2,050	41	1,766	445		66	79	462	121	349
1927	11,220	10,590	616	599	711	2,243	196	2,017	30	1,819	161	li :	79	82	347	84	290
1922	9,297	8,854	875	864	553	1,713	143	1,541	29	1,296	128		57	71	287	65	204
1918	3,215	3,022	250	245	270	582	49	522	11	419	57		17	40	80	33	92
1902	1,660	1,578	165	162	126	258	13	238	7	175	41		11	30	45	18	50

Includes interest on debt of utilities operated by local governments.
 Includes Alaska.

^{*} Denotes first year for which figures include Alaska and Hawaii.

NA Not available.

¹ To avoid duplication, transactions between governments are excluded; see text.

Series Y 533-566. Federal, State, and Local Government Expenditure, By Function: 1902 to 1970—Con. [In millions of dollars]

					General	expenditu	e-Con.							Insuranc	e trust exp	enditure	
				ural urces	Local	Hous-	Veter- ans serv-	Finan- cial admin-	Interest	Air and water	Other	Utility and		Em-	Un- employ-	Old- age	
Year	Local fire protec- tion	Local sanita- tion	Total	Stabili- zation of farm prices and income	parks and recrea- tion	ing and urban renewal	ices, not else- where classi- fied	istra- tion and general control	on general debt ³	trans- port and term- inals 4	and unallo- cable 4	liquor stores expend- iture	Total	ployee retire- ment	ment com- pen- sation	and sur- vivors insur- ance	Other
	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566
1970 1969 1968 1967 1966	2,024 1,793 1,623 1,499 1,376	3,413 2,969 2,707 2,523 2,571	11,469 10,024 9,200 10,145 10,301	4,261 2,933 2,598 3,496 4,206	1,888 1,645 1,412 1,291 1,187	3,189 2,505 2,841 2,413 2,415	5,455 5,097 4,773 4,448 4,531	6,370 5,563 4,966 4,537 4,105	18,411 16,992 14,873 13,406 12,278	3,969 3,623 3,343 3,212 2,899	18,329 17,207 16,459 15,924 15,113	9,447 8,820 8,170 7,350 7,282	48,521 43,600 38,127 33,561 28,126	6,399 5,641 4,979 4,584 3,915	2,816 2,089 2,126 2,012 1,981	35,828 32,474 27,951 23,919 19,793	3,478 3,396 3,071 3,045 2,437
1965 1964 1963 1962 1961	1,306 1,222 1,161 1,124 1,087	2,360 2,267 1,996 1,958 1,774	10,990 10,042 9,511 10,468 9,756	5,803 4,989 4,993 5,963 5,508	1,104 1,022 902 886 857	2,198 2,037 1,688 1,701 1,320	4,210 4,208 3,961 4,224 4,049	3,842 3,583 3,362 3,187 3,025	11,430 10,649 9,846 9,173 9,309	2,727 2,513 2,481 2,470 2,338	13,533 11,729 9,879 7,764 6,530	7,058 6,184 5,736 5,453 5,523	24,880 24,161 23,260 21,628 20,191	3,455 3,170 2,848 2,642 2,339	2,413 2,772 2,927 3,019 3,715	16,618 15,830 15,015 13,669 11,889	2,393 2,388 2,470 2,298 2,248
1960 * 1959 2 1958 1957 1956	995 914 873 810 737	1,727 1,609 1,505 1,443 1,326	7,087 7,966 6,160 6,137 6,630	3,404 4,559 2,890 3,283 4,118	770 729 685 608 541	1,142 838 801 624 562	3,801 3,706 3,576 3,224 3,185	2,859 2,750 2,536 2,405 2,235	9,332 6,959 7,360 6,603 6,297	1,984 1,755 1,409 1,370 1,358	5,546 4,821 4,117 3,669 3,394	5,088 4,901 4,693 4,429 4,065	17,596 16,631 14,524 11,269 9,576	2,161 1,936 1,773 1,534 1,332	2,639 3,523 2,979 1,633 1,383	10,798 9,388 8,043 6,515 5,361	1,997 1,784 1,728 1,589 1,500
1955 1954 1953 1952	694 653 598 586	1,142 1,058 908 992	6,338 6,377 4,816 3,252	3,892 3,863 2,271 638	509 424 374 324	611 742 768 875	3,058 2,913 2,823 2,570	2,060 1,997 1,866 1,801	5,684 5,515 5,477 4,814	1,066 1,137 1,305 1,070	3,242 3,105 2,998 2,784	3,886 3,482 3,316 3,067	9,002 7,484 6,006 5,489	1,152 1,090 948 831	1,990 1,648 1,008 1,022	4,333 3,276 2,728 1,983	1,527 1,471 1,321 1,658
1950 1948 1946 1944 1942	488 406 294 251 236	834 670 370 245 229	5,005 2,223 3,111 2,731 2,468	2,712 592 2,012 1,532 929	304 243 179 123 128	578 245 221 574 622	3,258 3,926 2,588 530 481	1,555 1,325 1,163 1,087 828	4,862 4,722 4,286 2,650 1,591	624 550 1,190 4,741 890	2,515 2,394 1,821 1,779 1,672	2,739 2,379 1,733 1,281 1,106	6,894 2,614 2,392 842 986	629 541 503 298 247	1,980 821 985 70 386	726 512 321 185 110	3,559 740 584 289 243
1940 1938 1936 1934 1932	235 231 205 189 210	207 226 204 177 223	2,730 2,089 2,158 1,241 326	694 326 602 382	162 130 104 126 147	267 109 71 3	501 590 1,699 508 928	739 725 662 533 601	1,552 1,513 1,455 1,473 1,323	374 266 269 213 198	1,524 1,485 1,095 765 809	1,324 848 701 528 518	968 554 222 193 171	209 193 157 135 103	509 202	16 5	234 154 65 58 68
1927 1922 1913 1902	203 158 76 40	312 189 97 51	206 140 44 17		153 85 57 29	1 1	579 505 177 141	526 439 256 175	1,348 1,370 170 97	254 302 90 22	737 544 272 128	491 359 186 82	139 84 7	64 36 7			75 48

Series Y 567-589. Federal Government Revenue, by Source: 1902 to 1970 [In millions of dollars]

					(Atti	millions of	aonara _j						
							General	revenue					
	Total							Taxes					
Year	revenue	Total	Total	Individ-	Corpora-		Sales	, gross recei	pts, and cus	toms		Death	Other
			taxes	ual income	tion income	Total	Customs duties	Motor fuel	Alcoholic beverages	Tobacco products	Other	and gift	taxes
	567	568	569	570	571	572	573	574	575	576	577	578	579
1970	205,562 199,637 165,239 161,351 141,142	163,582 162,845 133,240 130,869 118,547	146,082 145,996 117,554 115,121 104,095	90,412 87,249 68,726 61,526 55,446	32,829 36,678 28,665 33,971 30,073	18,297 17,826 16,275 15,806 14,641	2,430 2,319 2,038 1,901 1,767	3,776 3,508 3,325 3,178 2,955	4,726 4,534 4,269 3,958 3,698	2,094 2,138 2,122 2,077 2,066	5,271 5,326 4,520 4,692 4,155	3,644 3,491 3,051 2,978 3,066	900 753 838 840 869
1965 1964 1963 1962 1961	125,837 120,959 114,557 106,441 101,341	106,720 102,300 98,145 92,016 87,062	93,710 90,507 86,797 82,262 77,470	48,792 48,697 47,588 45,571 41,338	25,461 23,493 21,579 20,523 20,954	15,786 14,776 14,215 13,428 12,649	1,442 1,252 1,205 1,142 982	2,792 2,696 2,558 2,451 2,333	3,667 3,478 3,345 3,248 3,124	2,142 2,048 2,075 2,022 1,986	5,743 5,301 5,032 4,565 4,224	2,716 2,394 2,167 2,016 1,896	954 1,148 1,248 724 633
1960	99,800 85,459 86,006 87,066 81,294	87,088 75,249 76,112 78,403 73,162	77,003 67,257 68,007 69,815 65,226	40,715 36,719 34,724 35,620 32,188	21,494 17,309 20,074 21,167 20,880	12,608 11,332 11,278 11,127 10,469	1,105 925 782 735 682	1,984 1,656 1,592 1,498 1,055	3,106 2,915 2,860 2,893 2,846	1,927 1,798 1,728 1,669 1,607	4,481 4,038 4,311 4,333 4,279	1,606 1,333 1,393 1,365 1,161	585 563 543 537 528

^{*} Denotes first year for which figures include Alaska and Hawaii.

- Represents zero.

1 To avoid duplication, transactions between governments are excluded; see text.

2 Includes Alaska.

3 Excludes interest on Federal securities held by Federal agencies and funds.

4 Any State and local amounts for "Air and water transport and terminals" prior to 1951 are included under "Other and unallocable."

Series Y 567-589. Federal Government Revenue, by Source: 1902 to 1970—Con. [In millions of dollars]

							General	revenue					
	Total							Taxes					
Year	revenue	Total	Total	Individ-	Corpora-		Sales	, gross recei	pts, and cus	toms		Death	Other
			taxes	ual income	tion income	Total	Customs duties	Motor fuel	Alcoholic beverages	Tobacco products	Other	and gift	taxes
	567	568	569	570	571	572	573	574	575	576	577	578	579
1955	71,915 75,835 74,239 71,798 56,731	65,322 69,798 68,687 66,615 52,125	57,589 62,409 62,796 59,744 46,082	28,747 29,542 29,816 27,921 21,643	17,861 21,101 21,238 21,226 14,106	9,578 10,367 10,352 9,332 9,143	585 542 596 532 609	972 845 906 720 589	2,694 2,716 2,781 2,549 2,494	1,571 1,580 1,655 1,565 1,378	3,757 4,684 4,414 3,966 4,073	924 934 881 818 708	478 465 508 446 432
1950 1948 1946 1944	43,527 47,254 46,405 51,399 16,062	40,061 44,277 43,629 48,663 14,788	35,186 37,876 36,286 40,321 12,265	15,745 19,305 16,157 19,701 3,205	10,488 9,678 11,833 14,737 4,727	7,843 7,650 6,964 4,723 3,425	407 403 424 417 369	534 479 406 271 370	2,165 2,208 2,479 1,592 1,037	1,325 1,297 1,156 986 779	3,412 3,268 2,499 1,457 870	698 890 669 507 421	412 353 1 663 1 653 1 487
1940 1938 1936 1934	7,000 7,226 5,176 3,886 2,684	6,194 6,595 5,086 3,801 2,542	4,878 5,344 3,882 2,942 1,813	959 1,277 666 405 405	1,123 1,333 745 386 598	2,127 2,021 1,905 1,877 733	331 343 872 299 311	226 204 177 208	613 556 498 248 8	607 567 499 424 398	350 351 2 364 2 703 16	357 418 377 110 41	1 312 1 300 1 189 1 164 36
1927 1922 1918 1902	4,469 4,261 962 653	4,396 4,221 962 653	8,364 3,371 662 513	879 1,	1,259 939 85	1,088 1,152 612 487	585 318 310 243		20 44 223 187	376 270 77 49	107 520 2 8	90 139 - 5	47 1 142 15 21
	*		Gene	al revenue	-Con.			· · ·	Insurar	ce trust rev	enue		

		General rev	enue—Con.				Insurance tr	ust revenue		
	Charges	and miscella	neous genéral r	evenue						
Year	Total	Postal receipts	Sales of agricultural products ³	Other	Total 4	Employee retirement	Unemploy- ment com- pensation	Old-age and survivors insurance	Veterans life insurance	Railroad retirement
	580	581	582	583	584	585	586	587	588	589
1970 1969 1968 1967 1967	17,500 16,848 15,686 15,748 14,452	6,181 5,986 5,408 4,866 4,584	880 492 1,096 2,216 2,074	10,439 10,370 9,182 8,666 7,794	41,980 36,793 31,999 30,482 22,595	1,718 1,479 1,875 1,220 1,126	123 126 131 137 139	38,485 33,649 29,029 27,663 20,023	679 600 606 668 623	980 939 858 795 683
1965	18,010 11,798 11,347 9,754 9,592	4,339 4,120 3,727 3,420 3,300	1,890 1,975 2,026 1,362 1,799	6,781 5,698 5,595 4,972 4,493	19,117 18,659 16,412 14,425 14,279	1,071 1,006 946 877 866	143 144 150 147 150	16,742 16,386 14,195 12,289 12,131	525 529 563 548 561	636 598 559 564 571
1960	10,085 7,992 8,105 8,588 7,936	3,260 3,054 2,566 2,512 2,435	1,748 772 1,475 2,092 1,324	5,077 4,166 4,064 3,984 4,177	12,712 10,210 9,894 8,663 8,132	769 770 677 644 577	153 102 90 74 31	10,656 8,294 8,044 6,857 6,442	527 519 507 472 441	607 525 575 616 641
1955	7,733 7,390 5,891 6,871 6,098	2,363 2,269 2,098 1,967 1,777	1,187 1,134 544 800 1,772	4,188 3,987 3,254 4,104 2,544	6,594 6,037 5,552 5,183 4,606	442 432 423 418 377	16 18 15 10 15	5,087 4,554 4,060 8,547 8,119	450 430 428 473 520	599 603 625 735 575
1950	4,875 6,401 7,343 8,342 2,523	1,677 1,411 1,221 1,113 860	933 414 700 343 385	2,265 4,576 5,422 6,886 1,278	3,466 2,977 2,776 2,736 1,274	359 239 282 270 90	10 131 117 109 76	2,107 1,616 1,201 1,260 869	440 434 893 834 98	550 557 283 263 141
1940	1,316 1,251 1,204 859 730	767 729 665 587 588		549 522 539 272 142	806 631 90 85 91	45 39 33 29 33	46	538 387	56 59 57 56 58	121 146
1927	1,032 850 300 140	683 485 267 122		349 365 33 18	78 40	25 14			48 26	

Represents zero.
 Includes capital stock tax.
 Includes agricultural adjustment taxes.

In connection with price support program; excludes sales to Federal Government agencies.
 Excludes interest on Federal securities held by Federal agencies and funds.

Series Y 590-604. Federal Government Expenditure, by Character and Object, and Federal Government Debt: 1902 to 1970

[In millions of dollars]

							a aminona					. — — —			
					Expen	diture							De	ebt	
		Inter- govern- mental				Direct ex	penditure				Expend- iture	Outst	anding at e	end of	Increase or
Year	Total	expend- iture to State and local govern- ments	Total	Total	Con- struc- tion	Other 1	Current opera- tion 1	Assist- ance and sub- sidies ¹	Interest on debt	Insurance benefits and repayaments	for personal services	Total	Held by Federal Govern- ment	Other	decrease (-) during year
	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604
1970 1969 1968 1967 1966	208,190 196,165 184,464 166,849 143,022	23,257 19,421 18,053 15,027 13,115	184,933 176,744 166,411 151,821 129,907	17,869 19,006 21,326 17,868 17,652	4,150 3,932 3,972 4,470 4,610	13,719 15,074 17,354 13,398 13,041	99,105 95,369 90,204 85,618 70,276	12,674 11,562 10,801 9,679 9,048	14,037 13,260 11,607 10,873 9,589	41,248 37,547 32,474 28,283 23,342	47,501 43,373 40,379 36,819 32,904	370,919 353,720 347,578 326,221 319,907	95,170 84,815 74,136 75,705 66,618	275,749 268,905 273,442 250,515 253,289	17,199 6,142 21,357 6,314 2,633
1965 1964 1963 1962 1961	130,059 125,949 118,805 113,428 104,863	11,062 10,097 8,507 7,735 7,011	118,996 115,852 110,298 105,693 97,852	13,209 17,818 18,635 18,429 16,229	4,472 4,031 3,752 3,673 3,773	8,737 13,787 14,884 14,756 12,456	68,552 61,809 57,728 55,410 51,923	8,366 8,865 7,979 7,952 7,323	8,940 8,293 7,682 7,162 7,485	19,930 19,067 18,273 16,740 14,892	29,629 28,051 26,237 25,424 23,754	317,274 311,713 305,860 298,201 288,971	63,236 60,964 58,206 56,296 56,002	254,038 250,749 247,654 241,905 232,969	5,561 5,853 7,659 9,230 2,640
1960 1959 1958 1957 1956	97,284 93,531 86,054 81,783 75,991	6,994 6,355 4,835 3,873 3,347	90,289 87,177 81,219 77,910 72,644	16,842 16,877 16,852 16,250 14,956	3,480 3,662 3,218 3,396 3,416	13,361 13,215 13,634 12,854 11,540	45,336 45,581 40,775 40,983 38,582	6,884 7,329 7,119 6,660 6,595	7,662 5,543 6,116 5,497 5,311	13,565 11,847 10,356 8,520 7,200	22,691 22,466 21,071 20,779 20,454	286,331 284,706 276,343 270,527 272,751	55,259 54,554 55,842 55,501 53,470	231,072 230,152 220,501 215,026 219,281	1,625 8,363 5,816 -2,224 -1,623
1955 1954 1953 1952 1951	73,441 77,692 79,990 71,568 48,935	3,099 2,967 2,873 2,585 2,383	70,342 74,725 77,117 68,984 46,552	18,030 18,244 18,498 17,437	3,564 4,001 3,735 3,337 2,218	14,467 14,244 14,763 14,100	34,947 40,986 43,086 37,579 37,312	6,282 5,637 6,376 5,916	4,845 4,796 4,863 4,262 4,221	6,238 5,061 4,294 3,790 2,801	19,377 19,195 19,970 17,721 13,564	274,374 271,260 266,071 259,105 255,222	50,536 49,340 47,560 44,335 40,958	223,838 221,920 218,511 214,770 214,264	3,114 5,189 6,966 3,883 -2,135
1950 1948 1946 1944 1942	44,800 35,592 66,534 100,520 35,549	2,371 1,771 894 1,072 887	42,429 33,821 65,640 99,448 34,662		1,671 1,291 1,566 4,555 6,991		31,839 26,790 59,123 92,254 26,276		4,404 4,323 3,865 2,151 1,026	4,515 1,417 1,086 488 369	10,487 8,915 22,468 21,772 6,451	257,357 252,292 269,422 201,003 72,422	37,830 35,761 29,121 18,920 10,340	219,527 216,531 240,301 182,083 62,082	4,587 -5,994 10,740 64,307 23,461
1940 1938 1936 1934 1932	10,061 8,449 9,165 5,941 4,266	884 762 908 976 232	9,177 7,687 8,257 4,965 4,034		1,311 1,124 1,162 985 318		6,686 5,552 6,312 3,186 3,083		899 840 717 734 582	281 171 66 60 51	3,347 3,023 2,797 2,144 1,188	42,968 37,165 33,779 27,053 19,487	6,803 4,466 1,959 1,332 607	36,165 32,699 31,820 25,721 18,880	2,528 740 5,008 4,514 2,686
1927 1922 1913 1902	3,533 3,763 970 572	123 118 12 7	3,410 3,645 958 565		174 161 119 38		2,442 2,487 816 498		764 988 23 29	30 9	1,110 919 401 160	18,512 22,963 1,193 1,178	759 432 (Z)	17,753 22,531 1,193 1,178	$ \begin{array}{r r} -1,131 \\ -1,014 \\ -1 \\ -44 \end{array} $

Z Less than \$500,000.

 $^{\rm I}$ Prior to 1952, amounts for "Other capital outlay" and "Assistance and subsidies" are included under "Current operation."

Series Y 605-637. Federal Government Expenditure, by Function: 1902 to 1970 [In millions of dollars]

			·	Interg	overnmer	tal expen	diture					Direct ex	penditure			
		Total general										Gene	ral expend	liture		
Year	Total expend- iture	expend- iture (direct and inter-	Total	Educa- tion	High- ways	Public welfare	Em- ploy- ment security admin-	Other and unallo-	Total direct	Total	and inte	l defense rnational tions	Postal	Educa-	High-	Public
		govern- mental)			-		istra- tion	cable	3	general	Total	Mili- tary services only	service	tion 1	ways	welfare
	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620
1969 1968	208,190 196,165 184,464 166,849 143,022	166,942 158,618 151,990 138,565 119,679	23,257 19,421 18,058 15,027 13,115	5,844 4,775 4,727 3,920 3,014	4,608 4,352 4,291 4,059 3,953	7,574 6,358 5,407 4,234 3,579	664 616 592 564 486	4,567 3,320 3,036 2,250 2,083	166,411 151,821	143,685 139,197 133,937 123,538 106,564	84,253 84,496 83,874 74,638 60,832	76,550 77,179 76,747 66,782 53,770	7,722 6,998 6,485 6,227 5,706	8,053 8,139 2,456 2,295 1,550	319 321 173 100 125	2,837 2,620 1,388 1,374 208
1965	130,059 125,949 118,805 113,428 104,863	110,129 106,882 100,532 96,689 89,971	11,062 10,097 8,507 7,735 7,011	1,677 1,371 1,115 1,169 1,030	3,997 3,628 2,981 2,748 2,586	3,098 2,973 2,752 2,448 2,178	418 415 342 461 370	1,710	118,996 115,852 110,298 105,693 97,852	99,067 96,786 92,025 88,953 82,960	55,810 57,326 56,386 55,172 51,210	48,385 49,341 47,973 46,950 43,068	5,261 4,775 4,402 4,101 4,025	1,050 1,056 751 598 640	127 164 165 151 151	105 114 118 63 59
1960	86.054	83,719 81,685 75,698 73,263 68,792	6,994 6,355 4,835 8,878 3,347	950 826 653 604 535	2,905 2,575 1,478 944 732	2,070 1,973 1,799 1,557 1,458	325 298 288 245 224	745 682 617 523 897	90,289 87,177 81,219 77,910 72,645	76,724 75,330 70,863 69,390 65,445	48,922 49,688 47,626 47,500 43,388	41,340 41,230 38,998 39,078 85,553	3,730 3,499 3,327 3,034 2,899	685 836 917 964 940	137 134 135 115 82	58 57 48 49 45

Series Y 605-637. Federal Government Expenditure, by Function: 1902 to 1970—Con.
[In millions of dollars]

- -				Interg	governmen	ıtal expen	diture	_				Direct ex	penditure			
		Total general				ì						Gene	ral expend	liture		
Year	Total expend- iture	expend- iture (direct and inter-	Total	Educa- tion	High- ways	Public welfare	Em- ploy- ment security admin-	Other and unallo-	Total direct	Total	and inter	defense national tions	Postal	Educa-	High-	Public
		govern- mental)					istra- tion	cable		general	Total	Mili- tary services only	service	tion 1	ways	welfare
	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620
1955 1954 1953 1952 1951	1 79 990	67,208 72,631 75,696 67,778 46,134	3,099 2,967 2,873 2,585 2,383	521 475 508 486 311	589 530 510 415 400	1,429 1,439 1,332 1,181 1,194	187 198 196 182 176	373 325 327 369 302	70,342 74,725 77,117 68,984 46,552	64,104 69,664 72,828 65,193 43,751	43,472 49,265 53,583 48,187 25,958	35,782 40,519 43,847 38,962 19,136	2,726 2,669 2,686 2,612 2,403	802 639 727 1,280 1,885	68 60 66 64 56	42 43 42 42 25
1950	44,800 35,592 66,534 100,520 85,549	40,285 34,175 65,448 100,032 35,180	2,871 1,771 894 1,072 887	369 418 149 193 76	429 318 79 147 164	1,131 724 424 420 888	215 158 75 36 72	227 153 167 276 192	42,429 33,821 65,640 99,448 84,662	37,914 32,404 64,554 98,960 34,298	18,355 16,075 50,461 85,503 26,555	12,118 10,642 42,677 74,670 22,633	2,270 1,715 1,381 1,085 878	2,470 2,842 355 12 110	69 35 8 15 275	24 45 26 17 60
1940	10,061 8,449 9,165 5,941 4,266	9,780 8,278 9,099 5,881 4,215	884 762 908 976 232	154 112 147 61 12	195 264 285 279 191	278 218 290 495	62 46 3 1	195 122 183 140 28	9,177 7,687 8,257 4,965 4,034	8,896 7,516 8,191 4,905 3,983	1,590 1,041 932 553 721	1,567 1,021 916 541 702	808 776 751 651 794	189 162 188 174 14	604 500 520 320 25	158 164 170 90 1
1927	3,538 3,768 970 572	3,508 3,754 970 572	128 118 12 7	10 7 3 1	83 92	1 1 2 1		29 18 7 5	3,410 3,645 958 565	3,380 3,636 958 565	616 875 250 165	599 864 245 162	711 553 270 126	8 8 5 3	10 2	10 9 5 4

Direct expenditure—Con.

									•								
					General	expenditu	re—Con.						Insu	ırance tru	st expendi	ture	
Year	Hos- pitals	Health	Police	Natural Total 2	Stabilization of farm prices and income	Hous- ing and urban renewal	Veter- ans serv- ices, not else- where classi- fied	Finan- cial admin- istra- tion and general control	Interest on general debt ³	Air and water trans- porta- tion and termi- nals	Other and unallo- cable	Total	Em- ployee retire- ment	Unem- ploy- ment com- pen- sation	Old-age and sur- vivors insur- ance	Veter- ans life insur- ance	Rail- road retire- ment
	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637
1970 1969 1968 1967 1966	1,830 1,582 1,519 1,392 1,828	2,089 1,828 1,514 1,425 1,124	409 841 290 282 257	8,737 7,472 6,729 7,801 8,262	4,261 2,933 2,598 3,496 4,203	1,051 603 1,209 944 1,009	5,388 5,046 4,740 4,425 4,510	1,688 1,458 1,319 1,224 1,131	14,037 13,260 11,607 10,373 9,589	2,556 2,439 2,420 2,427 2,157	7,716 7,599 8,214 8,611 8,776	41,248 37,547 32,474 28,283 23,342	2,770 2,420 2,150 1,976 1,696	93 97 76 71 88	35,828 32,474 27,951 23,919 19,793	971 1,023 909 1,060 572	1,586 1,533 1,388 1,257 1,194
1965 1964 1963 1962 1961 1960	1,340 1,290 1,178 1,118 1,058 978	969 879 830 675 542 472	248 220 209 196 193 178	9,260 8,207 8,014 9,097 8,429 5,898	5,808 4,989 4,998 5,963 5,508 3,404	948 895 509 548 377 284	4,190 4,189 8,941 4,129 8,965 3,689	1,069 1,016 928 850 788 746	8,940 8,293 7,682 7,162 7,485 7,662	2,036 1,863 1,833 1,805 1,623 1,405	7,716 6,497 5,082 3,288 2,420 1,885	19,980 19,067 18,273 16,740 14,892 13,565	1,447 1,326 1,183 1,064 956 896	115 184 167 211 252 275	16,618 15,830 15,015 13,669 11,889 10,798	633 684 844 772 814 679	1,116 1,092 1,064 1,024 982 916
1959 1958 1957 1956	982 844 797 752	411 260 235 215	170 159 155 156	6,890 5,161 5,205 5,724	4,559 2,890 3,283 4,118	223 200 119 125	3,645 3,455 3,186 3,097	747 693 680 675	5,543 6,116 5,497 5,811	1,206 936 951 852	1,350 986 903 1,184	11,847 10,356 8,520 7,200	792 699 591 507	248 222 133 106	9,388 8,043 6,515 5,361	651 672 612 628	768 719 670 599
1955 1954 1953 1952 1951	667 714 685 715 668	238 245 271 299 299	129 124 122 141 104	5,545 5,615 4,111 2,476 3,027	3,892 3,863 2,271 638 1,360	112 131 138 106 124	2,997 2,811 2,710 2,428 2,601	607 622 602 608 547	4,845 4,796 4,863 4,262 4,221	798 829 1,050 862 670	1,055 1,101 1,167 1,111 1,168	6,238 5,061 4,294 3,790 2,801	430 411 363 300 270	206 140 98 49 51	4,333 8,276 2,728 1,983 1,498	698 749 645 1,073 665	570 485 460 384 317
1950 1948 1946 1944 1942	666 461 195 100 85	297 244 129 101 38	88 80 70 83 50	4,335 1,727 2,809 2,499 2,254	2,712 592 2,012 1,532 929	121 69 107 528 386	2,796 8,293 2,534 529 480	514 445 460 488 250	4,404 4,323 3,865 2,151 1,026	624 550 1,190 4,741 890	881 1,000 964 1,109 955	4,515 1,417 1,086 488 369	268 244 266 103 78	131 62 17 1 9	726 512 321 185 110	3,088 377 330 65 46	302 222 152 134 126
1940 1988 1936 1934 1932	87 96 110 107 113	36 31 15 10 14	21 19 17 15 81	2,512 1,867 1,965 1,082 161	694 326 602 382	37 106 71 3	501 590 1,699 508 928	178 183 162 101 131	899 840 717 734 582	374 266 269 213 198	902 875 605 344 270	281 171 66 60 51	69 64 44 39 28	15	16 5	68 22 22 22 21 23	118 80
1927 1922 1918 1902	68 87 1 2	8 7 4 1	20 14 3	112 79 30 8		1 1	579 425 177 141	114 126 45 34	764 988 23 29	254 302 90 22	105 160 55 30	30 9	14 6			16 3	

Represents zero.
 Service academies are included under "National defense and international relations."

Includes amounts not shown separately.
 Excludes interest on Federal securities held by Federal agencies and funds.

Series Y 638-651. Federal Grants to State and Local Governments, by Purpose: 1930 to 1970 [Amounts in millions of dollars. Includes Puerto Rico, Guam, and Virgin Islands. On basis of checks issued for years ending June 30]

						Social	welfare							
	All grants ¹	То	tal	Public as	ssistance	Hea	lth	Educ	ation	Miscell social		High	way	All other
Year		Amount	Percent of all grants	Amount	Percent of all grants	Amount	Percent of all grants	Amount	Percent of all grants	Amount	Percent of all grants	Amount	Percent of all grants	
	638	639	640	641	642	643	644	645	646	647	648	649	650	651
1970 1969 1968 1967 1966	23,585 19,767 18,173 14,820 12,519	16,546 18,863 12,511 9,845 7,634	70.2 70.1 68.8 66.4 61.0	7,445 6,280 5,319 4,175 3,528	31.6 31.8 29.3 28.2 28.2	1,043 866 823 436 365	4.4 4.4 4.6 2.9 2.9	3,017 2,726 2,781 2,370 1,595	12.8 13.8 15.4 16.0 12.7	5,041 3,990 3,588 2,864 2,147	21.4 20.2 19.5 19.3 17.2	4,392 4,162 4,197 4,022 3,975	18.6 21.0 23.1 27.1 31.8	2,648 1,747 1,464 953 909
1965 1964 1963 1962 1961	10,630 9,774 8,824 7,703 6,921	5,672 5,352 4,825 4,535 3,950	53.4 54.8 58.0 58.9 57.1	3,059 2,944 2,730 2,432 2,167	28.8 30.1 32.8 31.6 31.3	346 322 292 263 240	3.3 3.5 3.4 3.5	705 579 558 491 460	6.6 5.9 6.7 6.4 6.6	1,560 1,507 1,246 1,848 1,083	14.7 15.4 15.0 17.5 15.6	4,018 3,644 3,023 2,783 2,623	37.8 37.3 36.3 36.1 37.9	941 778 477 385 349
1960 1959 1958 1957 1956	6,838 6,316 4,794 3,936 3,441	3,610 3,450 3,095 2,848 2,615	52.8 54.6 64.6 72.4 76.0	2,059 1,966 1,795 1,556 1,455	30.1 31.1 37.4 39.6 42.3	214 211 176 162 133	3.1 3.3 3.7 4.1 3.9	441 376 308 280 276	6.5 6.0 6.4 7.1 8.0	896 897 816 848 751	13.1 14.2 17.0 21.6 21.8	2,942 2,614 1,519 955 740	43.0 41.4 31.7 24.3 21.5	286 251 181 133 85
1955 1954 1953 1952 1951	3,096 2,958 2,759 2,329 2,253	2,403 2,346 2,162 1,854 1,802	77.6 79.3 78.4 79.6 80.0	1,427 1,438 1,330 1,178 1,186	46.1 48.6 48.2 50.6 52.6	119 140 173 187 174	3.8 4.7 6.3 8.0 7.7	296 248 259 156 93	9.6 8.4 9.4 6.7 4.1	561 519 400 333 350	18.1 17.6 14.5 14.3 15.5	597 538 517 420 400	19.3 18.2 18.8 18.0 17.8	97 7 4 8 0 56 5 0
1950 1949 1948 1947 1946	2,212 1,840 1,581 1,549 844	1,731 1,366 1,229 1,302 701	78.2 74.2 77.8 84.1 83.1	1,123 928 718 614 439	50.8 50.4 45.4 39.6 52.0	123 67 55 63 71	5.6 3.6 3.5 4.1 8.4	82 76 120 65 58	3.7 4.2 7.6 4.2 6.8	402 295 335 560 133	18.2 16.0 21.2 36.2 15.7	429 410 318 199 75	19.4 22.3 20.2 12.8 8.8	53 64 83 48 68
1945 1944 1943 1942 1941	917 983 991 926 915	700 700 691 694 624	76.3 71.3 69.7 74.9 68.2	410 405 396 375 330	44.7 41.2 39.9 40.4 36.0	79 60 30 29 26	8.6 6.1 3.1 3.1 2.8	103 136 171 151 113	11.3 13.8 17.2 16.3 12.3	108 99 94 139 156	11.7 10.1 9.5 15.0 17.0	87 144 174 158 171	9.5 14.7 17.6 17.1 18.7	130 138 126 74 120
1940 1939 1938 1937 1936	967 1,031 790 818 1,015	531 446 365 230 107	54.9 43.2 46.2 28.1 10.5	271 247 216 144 28	28.0 24.0 27.3 17.6 2.8	22 15 15 13 4	2.3 1.4 1.9 1.6	51 50 48 88 37	5.2 4.8 6.1 4.6 3.7	187 134 86 36 37	19.4 13.0 10.8 4.4 3.7	165 192 247 341 224	17.0 18.6 31.2 41.6 22.1	272 393 178 247 684
1935 1934 1933 1932 1931 1930	2,197 1,803 190 214 180 100	28 24 25 26 25 23	1.3 1.4 13.2 12.1 13.9 23.2			- - - - (Z)	- - - - -	26 22 23 24 24 22	1.2 1.2 12.3 11.3 13.1 21.8	3 2 2 2 1 1	.1 .9 .8 .8	275 222 163 186 154 76	12.5 12.3 86.0 87.1 85.2 75.5	1,893 1,557 2 2 2 2 1

Represents zero.
 Less than \$500,000.

Series Y 652-670. State and Local Government Revenue, by Source: 1902 to 1970
[In millions of dollars]

	Revenue	from all		_		.	Revenue fro	m State and	local sources			
	sou	rces	Inter- govern- mental					General	revenue			
Year	Total	General revenue	revenue (from Federal	Total 1				Та	xes			Charges
		(direct and inter- govern- mental)	Govern- ment)		Total	Total	Individ- ual income	Corpora- tion income	Sales and gross receipts	Property	Other taxes	and miscella- neous
	652	653	654	655	656	657	658	659	660	661	662	663
1970	150,106 132,153 117,581 106,581 97,619	130,756 114,550 101,264 91,197 83,036	21,857 19,153 17,181 15,370 13,214	128,248 113,001 100,400 91,211 84,405	108,898 95,397 84,083 75,827 69,822	86,795 76,712 67,572 61,000 56,647	10,812 8,908 7,308 5,826 4,760	3,738 3,180 2,518 2,227 2,038	80,322 26,519 22,911 20,530 19,085	34,054 30,678 27,747 26,047 24,670	7,868 7,432 7,087 6,370 6,094	22,103 18,686 16,511 14,827 13,175
1965 1964 1963 1962 1961	87,777 81,455 74,408 69,492 64,531	74,000 68,443 62,269 58,252 54,037	11,029 10,002 8,663 7,871 7,131	76,748 71,453 65,745 61,621 57,400	62,971 58,440 53,606 50,381 46,907	51,248 47,785 44,014 41,554 88,861	4,090 3,791 8,267 3,037 2,618	1,929 1,695 1,505 1,308 1,266	17,118 15,762 14,446 13,494 12,463	22,583 21,241 19,833 19,054 18,002	5,521 5,296 4,968 4,662 4,518	11,729 10,655 9,593 8,827 8,045
1960 * 1959 ² 1958 1957 1956	60,277 53,972 49,262 45,929 41,692	50,505 45,306 41,219 38,164 34,667	6,974 6,377 4,865 3,848 3,385	58,302 47,596 44,397 42,085 38,357	43,530 38,929 36,354 34,320 31,332	36,117 32,379 30,380 28,817 26,368	2,468 1,994 1,759 1,754 1,538	1,180 1,001 1,018 984 890	11,849 10,487 9,829 9,467 8,691	16,405 14,983 14,047 12,864 11,749	4,220 3,966 8,725 3,748 3,501	7,414 6,550 5,974 5,503 4,964

¹ Excludes shared revenues, payments in lieu of taxes, and grants for programs administered by the States as agents of the Federal Government.

GOVERNMENT

Series Y 652-670. State and Local Government Revenue, by Source: 1902 to 1970—Con.
[In millions of dollars]

	Revenue	from all					Revenue from	m State and l	ocal sources			
	sou	rces	Inter- govern- mental					General	revenue			
Year	Total	General revenue	revenue (from Federal	Total ¹	Total			Та	xes	,		Charges
		(direct and inter- govern- mental)	Govern- ment)			Total	Individ- uai income	Corpora- tion income	Sales and gross receipts	Property	Other taxes	and miscella- neous
	652	653	654	655	656	657	658	659	660	661	662	663
1955 1954 1958 1952	37,619 85,386 33,411 31,013	31,073 29,012 27,307 25,181	3,131 2,966 2,870 2,566	34,489 32,420 30,541 28,447	27,942 26,046 24,487 22,615	23,483 22,067 20,908 19,323	1,287 1,127 1,065 998	744 778 817 846	7,648 7,276 6,927 6,357	10,785 9,967 9,375 8,652	3,125 2,918 2,723 2,471	4,459 8,979 3,529 3,292
1950 1948 1946 1944	25,639 21,613 15,983 14,333 18,148	20,911 17,250 12,356 10,908 10,418	2,486 1,861 855 954 858	23,158 19,752 15,128 13,379 12,290	18,425 15,389 11,501 9,954 9,560	15,914 13,342 10,094 8,774 8,528	788 543 422 342 276	593 592 447 451 272	5,154 4,442 2,986 2,289 2,351	7,349 6,126 4,986 4,604 4,537	2,030 1,638 1,254 1,089 1,092	2,511 2,047 1,407 1,180 1,031
1940	11,749 11,058 9,360 8,430 7,887	9,609 9,228 8,395 7,678 7,267	945 800 948 1,016 232	10,804 10,258 8,412 7,414 7,655	8,664 8,428 7,447 6,662 7,035	7,810 7,605 6,701 5,912 6,164	224 218 153 80 74	156 165 113 49 79	1,982 1,794 1,484 1,008 752	4,480 4,440 4,093 4,076 4,487	1,018 988 858 699 772	854 828 746 750 871
1927 1922 1913 1902	7,838 5,169 2,030 1,048	7,271 4,781 1,912 986	116 108 12 7	7,722 5,061 2,018 1,041	7,155 4,673 1,900 979	6,087 4,016 1,609 860	70 43	92 58	470 154 58 28	4,730 3,321 1,332 706	725 440 219 126	1,068 657 291 119

		I	Revenue from S	State and local	sources—Con	•	
				Insurance to	ust revenue		
Year	Utility and liquor			Unempl	oyment comp	ensation	
	stores revenue	Total	Employee retirement	Total	Contri- butions	Interest (credited by U.S. Govt.)	Other
	664	665	666	667	668	669	670
1970	8,614 7,840 7,502 6,911 6,619	10,736 9,764 8,815 8,474 7,964	6,493 5,654 4,865 4,272 3,744	3,101 3,049 2,972 3,285 3,337	2,581 2,557 2,554 2,920 3,049	569 491 418 865 288	1,148 1,061 977 917 888
1965	6,355 5,975 5,582 5,308 5,116	7,422 7,038 6,607 5,932 5,378	3,423 3,072 2,783 2,561 2,324	3,244 8,260 3,181 2,820 2,519	3,002 3,054 3,000 2,655 2,323	241 205 181 164 196	755 706 643 550 535
1960 *	4,877 4,536 4,211 4,127 3,854	4,896 4,131 3,832 3,638 3,171	2,099 1,871 1,688 1,486 1,295	2,323 1,833 1,717 1,725 1,505	2,142 1,652 1,497 1,514 1,818	183 181 220 210 187	472 428 426 427 871
1956. 1954. 1953. 1952.	3,688 3,496 3,324 3,108	2,858 2,877 2,781 2,724	1,180 1,070 909 835	1,329 1,470 1,556 1,602	1,141 1,266 1,374 1,442	188 204 182 160	349 337 316 287
1950	2,712 2,511 2,033 1,633 1,277	2,016 1,851 1,598 1,792 1,454	606 433 289 228 195	1,180 1,206 1,165 1,409 1,142	1,032 1,062 1,037 1,328 1,083	148 144 128 86 59	229 212 140 154 117
1940	998 877 747 590 468	1,142 953 218 162 157	169 148 125 107 98	885 731 23	850 706 23	35 25	88 79 70 55 64
1927 1922 1913 1902	403 266 116 62	164 122 2	67 45 2				97 77

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ To avoid duplication, transactions between State and local governments are excluded; see text.

² Includes Alaska.

GOVERNMENT EMPLOYMENT AND FINANCES

Series Y 671-681. State and Local Government Expenditure, by Character and Object, and State and Local Government Debt: 1902 to 1970

[In millions of dollars]

				Expen	diture					De	ebt
Year	Total 1	Current operation		Capital outlay		Assistance and	Interest on	Insurance benefits	Expenditure for personal services	Out- standing	Increase or decrease
1 ear		operation	Total	Construc- tion	Other	subsidies	debt 2	and repayments	SCI VICES	at end of fiscal year	(—) during year
	671	672	673	674	675	676	677	6 78	679	680	681
1970 1969 1968 1967	148,052 131,600 116,234 105,978 94,906	97,915 86,178 75,311 67,840 60,212	29,650 28,240 25,731 24,233 22,330	24,252 22,904 20,800 19,362 17,801	5,399 5,336 4,931 4,871 4,528	8,090 6,726 5,649 5,015 4,315	5,123 4,403 3,889 3,612 3,268	7,273 6,053 5,653 5,278 4,782	62,998 55,695 48,996 44,451 40,059	148,570 133,548 121,158 113,659 107,051	10,022 12,390 7,499 7,355 7,539
965 964 963 962 961	86,686 80,579 74,698 70,547 67,023	54,062 49,687 45,743 42,736 39,800	20,535 19,087 17,637 16,791 16,091	16,413 15,389 14,253 13,625 13,214	4,123 3,698 3,385 3,166 2,877	4,127 3,885 3,787 3,708 3,608	3,012 2,826 2,595 2,424 2,225	4,950 5,094 4,986 4,888 5,299	36,095 33,310 30,739 28,729 26,461	99,512 92,222 85,056 80,802 75,023	7,290 7,166 (NA) 5,526 5,068
960 * 959 ³ 958 957 956	60,999 58,572 53,712 47,553 43,152	36,318 33,369 30,862 27,983 25,528	15,104 15,351 13,986 12,616 11,407	12,352 12,723 11,704 10,387 9,354	2,752 2,628 2,282 2,230 2,053	3,518 3,329 3,159 2,828 2,620	2,028 1,740 1,537 1,376 1,220	4,031 4,784 4,168 2,749 2,376	24,445 22,528 20,786 18,707 17,118	69,955 64,110 58,187 53,039 48,868	5,845 5,923 5,148 4,171 4,601
955 954 958 952	40,375 36,607 32,937 30,863	23,186 21,508 19,965 18,583	10,706 9,125 7,905 7,436	9,048 7,738 6,763 6,386	1,658 1,386 1,142 1,051	2,660 2,634 2,558 2,472	1,059 916 797 724	2,764 2,423 1,711 1,698	15,539 14,343 13,100 12,045	44,267 38,931 33,782 30,100	5,836 5,149 3,682 1,984
950 948 946 944 942	27,905 21,260 14,067 10,499 10,914	15,948 13,415 9,690 7,848 7,057	6,047 3,725 1,305 709 1,477	5,169 3,085 970 562 1,241	879 640 334 147 236	2,918 2,381 1,209 952 1,056	613 543 557 635 706	2,379 1,197 1,306 354 617	10,043 8,430 5,945 4,988 4,515	24,115 18,656 15,917 17,479 19,337	3,116 1,841 -754 -1,294 -570
940 938 936 934 932	11,240 9,988 8,501 7,842 8,403	6,176 5,969 5,228 4,650 5,179	2,515 1,858 1,524 1,407 1,876	1,828 1,538 1,265 1,170 1,558	687 320 259 237 318	1,075 994 752 815 388	787 784 841 837 840	687 383 156 133 120	4,302 4,024 3,556 3,194 3,541	20,283 19,436 19,474 18,929 19,205	220 -26 297 -659 232
927 922 913 902	7,810 5,652 2,257 1,095	4,590 3,477 1,505 796	2,356 1,518 548 205	1,921 1,236 442 164	435 282 106 41	93 152 24 15	662 430 173 79	109 75 7	3,145 2,384 1,026 540	14,881 10,109 4,414 2,107	1,074 1,446

 $[\]boldsymbol{*}$ Denotes first year for which figures include Alaska and Hawaii. NA $\,$ Not available.

Series Y 682-709. State and Local Government Expenditure, by Function: 1902 to 1970 [In millions of dollars]

İ							Gene	eral expendi	ture					
				Educ	ation				Public	welfare				
Year	Total ¹	Total general	Total	State institu- tions of higher education	Local schools	Other education	High- ways	Total	Cate- gorical public assist- ance	Other public assist- ance	Other public welfare	Hos- pitals	Health	Police
	682	683	684	685	686	687	688	689	690	691	692	693	694	695
1970 1969 1968 1967 1966	148,052 131,600 116,234 105,978 94,906	131,332 116,728 102,411 93,350 82,843	52,718 47,238 41,158 67,919 33,287	12,924 11,551 10,214 8,932 7,207	37,461 33,752 29,305 27,590 25,091	2,332 1,935 1,637 1,397 989	16,427 15,417 14,481 13,932 12,770	14,679 12,110 9,857 8,218 6,757	6,902 5,691 4,817 4,381 3,822	480 446 349 266 236	7,298 5,974 4,690 3,571 2,701	7,863 7,011 6,282 5,559 4,969	1,806 1,509 1,264 1,081 941	4,494 3,901 3,410 3,049 2,776
1965 1964 1963 1962 1961	86,686 80,579 74,698 70,547 67,023	74,678 69,302 63,977 60,206 56,201	28,563 26,286 23,729 22,216 20,574	5,863 5,278 4,466 4,043 3,570	21,966 20,399 18,759 17,739 16,608	735 609 504 434 396	12,221 11,664 11,150 10,357 9,844	6,315 5,766 5,420 5,084 4,720	3,690 3,478 3,290 3,257 3,075	234 226 238 258 335	2,391 2,062 1,892 1,570 1,312	4,525 4,171 3,928 3,673 3,496	836 739 710 669 590	2,549 2,366 2,237 2,130 2,017
1960 *_ 1959 ² 1958 1957 1956	60,999 58,572 53,712 47,553 43,152	51,876 48,887 44,851 40,375 36,711	18,719 17,283 15,919 14,134 13,220	3,202 2,920 2,582 2,206 1,814	15,166 14,034 13,032 11,657 11,165	351 329 305 272 241	9,428 9,592 8,567 7,816 6,953	4,404 4,136 3,818 3,485 3,139	2,997 2,886 2,689 2,525 2,310	310 301 275 195 244	1,096 949 853 765 585	3,235 3,142 2,961 2,619 2,316	559 582 501 500 456	1,857 1,710 1,610 1,468 1,330

¹ To avoid duplication, transactions between State and local governments are excluded.

² Includes interest on debt of utilities operated by local governments.

³ Includes Alaska.

Series Y 682-709. State and Local Government Expenditure, by Function: 1902 to 1970—Con.
[In millions of dollars]

							Gen	eral expendi	ture		"		_	
				Educ	ation				Public	welfare				
Year	Total 1	Total general	Total	State institu- tions of higher education	Local schools	Other education	High- ways	Total	Cate- gorical public assist- ance	Other public assist- ance	Other public welfare	Hos- pitals	Health	Police
	682	683	684	685	686	687	688	689	690	691	692	693	694	695
1955	40,375	33,724	11,907	1,570	10,129	210	6,452	3,168	2,269	382	517	2,058	471	1,229
1954	36,607	30,701	10,557	1,418	8,947	192	5,527	3,060	2,224	308	527	1,962	447	1,130
1958	32,937	27,910	9,390	1,361	7,822	207	4,987	2,914	2,159	301	454	1,863	427	1,038
1952	30,863	26,098	8,318	1,267	6,862	189	4,650	2,788	2,023	303	461	1,745	440	939
1950	27,905	22,787	7,177	1,107	5,906	164	3,808	2,940	2,010	538	392	1,384	364	776
1948	21,260	17,684	5,379	895	4,363	121	8,036	2,099	1,473	357	269	937	292	644
1946	14,067	11,028	3,356	397	2,886	73	1,672	1,409	1,014	216	179	567	251	479
1944	10,499	8,863	2,793	380	2,344	69	1,200	1,133	842	166	125	468	188	414
1942	10,914	9,190	2,586	296	2,225	65	1,490	1,225	761	345	119	432	159	394
1940	11,240	9,229	2,638	290	2,292	56	1,573	1,156	7	438	107	450	159	365
1938	9,988	8,757	2,491	268	2,172	51	1,650	1,069		485	101	400	151	359
1936	8,501	7,644	2,177	231	1,904	42	1,425	827		31	96	351	116	314
1934	7,842	7,181	1,831	177	1,623	31	1,509	889		96	93	309	109	291
1932	8,403	7,765	2,311	234	2,050	27	1,741	444		66	78	349	107	318
1927	7,810	7,210	2,235	196	2,017	22	1,809	151		79	72	279	76	270
1922	5,652	5,218	1,705	143	1,541	21	1,294	119		57	62	200	58	190
1913	2,257	2,064	577	49	522	6	419	52		17	35	79	29	89
1902	1,095	1,013	255	13	238	4	175	37		11	26	43	17	50
				General	expenditure	e—Con.					In	surance tru	st expenditu	re
Year	Local fire protec- tion	Local sanita- tion	Natural resources	Local parks and recrea- tion	Housing and urban renewal	Financial adminis- tration and general control	Interest on general debt	Air and water transport and terminals	Other and unallo- cable	Utility and liquor stores expend- iture	Total	Employee retire- ment	Unem- ployment compen- sation	Other
	696	697	698	699	700	701	702	703	704	705	706	707	708	709
1970	2,024	3,413	2,732	1,888	2,138	4,682	4,374	1,413	10,681	9,447	7,273	3,629	2,723	921
1969	1,793	2,969	2,552	1,645	1,902	4,105	3,732	1,184	9,660	8,820	6,053	3,221	1,992	840
1968	1,623	2,707	2,471	1,412	1,632	3,647	3,266	923	8,278	8,170	5,653	2,829	2,050	774
1967	1,499	2,523	2,344	1,291	1,469	3,313	3,032	785	7,336	7,350	5,278	2,608	1,941	728
1966	1,376	2,571	2,039	1,187	1,406	2,974	2,690	742	6,358	7,282	4,782	2,219	1,893	671
1965	1,306	2,360	1,861	1,104	1,250	2,773	2,490	691	5,833	7,058	4,950	2,298	2,008	644
1964	1,222	2,267	1,835	1,022	1,142	2,567	2,356	650	5,249	6,184	5,094	1,844	2,638	612
1963	1,161	1,996	1,497	902	1,179	2,439	2,164	648	4,817	5,736	4,987	1,665	2,760	562
1962	1,124	1,958	1,371	886	1,153	2,338	2,011	665	4,571	5,453	4,888	1,578	2,808	502
1961	1,087	1,774	1,327	857	943	2,237	1,824	715	4,194	5,523	5,299	1,383	3,463	453
1960 *	995	1,727	1,189	770	858	2,113	1,670	579	3,772	5,088	4,081	1,265	2,364	402
1959 *	914	1,609	1,076	729	615	2,003	1,416	549	3,532	4,901	4,784	1,144	3,275	365
1958	873	1,505	999	685	601	1,843	1,244	473	3,252	4,693	4,168	1,074	2,757	337
1957	810	1,443	932	608	505	1,725	1,106	419	2,804	4,429	2,749	943	1,500	307
1956	787	1,326	906	541	437	1,560	986	506	2,298	4,065	2,876	825	1,277	274
1955	694	1,142	793	509	499	1,452	838	268	2,249	3,886	2,764	722	1,784	258
1954	653	1,058	762	424	611	1,375	718	308	2,109	3,482	2,423	679	1,507	237
1953	598	908	705	374	631	1,263	614	255	1,942	3,316	1,711	585	910	216
1952	586	992	776	324	769	1,193	552	208	1,815	3,067	1,698	530	973	195
1950	488	834	670	304	452	1,041	458		096	2,739	2,379	361	1,849	169
1948	406	670	496	243	176	880	399		027	2,379	1,197	297	759	141
1946	294	370	302	179	114	703	421		911	1,733	1,306	237	968	102
1944	251	245	232	123	46	599	499		670	1,281	354	195	69	90
1942	236	229	214	128	236	578	565		718	1,106	617	169	377	71
1940 1938 1936 1934 1932	235 231 205 189 210	207 226 204 177 223	218 222 193 159 165	162 130 104 126 147	230 8	561 542 500 432 470	653 673 738 739 741		622 610 490 421 539	1,324 848 701 528 518	687 383 156 133 120	140 129 113 96 75	494 202	53 52 43 87 45
1927 1922 1913 1902	203 158 76 40	312 189 97 51	94 61 14 9	153 85 57 29		412 313 211 141	584 382 147 68	E .	632 464 217 98	491 359 186 82	109 75 7	50 30 7		59 45

^{*} Denotes first year for which figures include Alaska and Hawaii.

¹ To avoid duplication, transactions between State and local governments are excluded; see text.

² Includes Alaska.

Series Y 710-735. State Government Revenue, by Source: 1902 to 1970 [In millions of dollars]

			•			Į.	n millions	or dollars]							
		ue from ources		ernmental enue					Revenue	from State	sources				
į										General	revenue				
		General revenue	From	From							Taxes				
Year	Total	(direct and inter-	Federal Govern- ment	local govern- ments	Total	Total		Individ-	Corpora-		s	ales and g	ross receipt	9	
		govern- mental)					Total	ual income	tion income	Total	General	Motor fuel	Alcoholic beverages		Other
	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724
1970 1969 1968 1967 1966	88,939 77,584 68,460 61,082 55,246	77,755 67,312 59,132 52,071 46,757	19,252 16,907 15,228 13,616 11,743	995 868 707 673 508	68,691 59,809 52,525 46,793 43,000	57,507 49,537 43,197 37,782 34,511	47,962 41,931 36,400 31,926 29,380	9,183 7,527 6,231 4,909 4,288	3,738 3,180 2,518 2,227 2,038	27,254 24,050 20,979 18,575 17,044	14,177 12,443 10,441 8,923 7,873	6,283 5,644 5,178 4,837 4,627	1,420 1,246 1,138 1,041 985	2,808 2,056 1,886 1,615 1,541	3,065 2,660 2,335 2,159 2,019
965 964 963 962 961	48,827 45,167 40,993 37,595 34,603	40,930 37,648 33,882 31,157 28,693	9,874 9,046 7,832 7,108 6,412	447 417 411 373 370	38,507 35,703 32,750 30,115 27,821	30,610 28,184 25,639 23,677 21,911	26,126 24,248 22,117 20,561 19,057	3,657 3,415 2,956 2,728 2,355	1,929 1,695 1,505 1,308 1,266	15,059 13,957 12,873 12,038 11,031	6,711 6,084 5,539 5,111 4,510	4,300 4,059 3,851 3,665 3,431	917 864 793 740 688	1,284 1,196 1,124 1,075 1,001	1,847 1,755 1,565 1,448 1,401
1960 * 1959 1 1958 1957 1956	32,838 29,164 26,191 24,656 22,199	27,363 24,448 21,772 20,382 18,389	6,382 5,888 4,461 3,500 3,027	363 364 302 427 269	26,094 22,912 21,427 20,728 18,903	20,618 18,196 17,008 16,454 15,093	18,036 15,848 14,919 14,531 13,375	2,209 1,764 1,544 1,563 1,374	1,180 1,001 1,018 984 890	10,510 9,287 8,750 8,436 7,801	4,302 3,697 3,507 3,373 3,036	3,335 3,058 2,919 2,828 2,687	650 599 566 569 546	923 675 616 556 515	1,800 1,257 1,142 1,109 1,017
955 954 953 952	19,667 18,834 17,979 16,815	16,194 15,299 14,511 13,429	2,762 2,668 2,570 2,329	226 215 191 156	16,678 15,951 15,218 14,330	13,205 12,417 11,750 10,944	11,597 11,089 10,552 9,857	1,094 1,004 969 913	787 772 810 838	6,864 6,573 6,209 5,730	2,637 2,540 2,433 2,229	2,353 2,218 2,019 1,870	471 463 465 442	459 464 469 449	944 889 823 740
950 948 946 944	13,903 11,826 8,576 7,695 6,870	11,262 9,257 6,284 5,465 5,132	2,275 1,643 802 926 802	148 97 63 55 56	11,480 10,086 7,712 6,714 6,012	8,839 7,517 5,419 4,484 4,274	7,930 6,743 4,937 4,071 3,903	724 499 389 316 249	586 585 442 446 269	4,670 4,042 2,803 2,153 2,218	1,670 1,478 899 720 632	1,544 1,259 886 684 940	420 425 402 267 257	414 337 198 159 130	621 542 419 323 258
940 938 936 934 932	5,737 5,293 4,023 3,421 2,541	4,382 4,141 3,672 3,212 2,423	667 633 719 933 222	58 48 39 36 45	5,012 4,612 3,265 2,452 2,274	3,657 3,460 2,914 2,243 2,156	3,313 3,132 2,618 1,979 1,890	206 218 153 80 74	155 165 113 49 79	1,852 1,674 1,394 978 726	499 447 364 173 7	839 777 687 565 527	193 176 126 62	97 55 44 25 19	224 219 173 153 173
1927 1922 1913	2,152 1,360 376 192	2,015 1,254 376 190	107 99 6 3	51 27 10 6	1,994 1,234 360 183	1,857 1,128 360 181	1,608 947 301 156	70 ′ 48 ′	92 58	445 134 55 28		259 13			186 121 58 28

					Revenue	rom State sou	rces—Con.				
		General rev	enue—Con.					Insurance to	ust revenue		
Year		Taxes—Con.		Charges	Liquor stores			Unempl	oyment comp	ensation	
	Property	Motor ve- hicle and operators' licenses	Other	and miscella- neous	revenue	Total	Employee retirement	Total	Contri- butions	Interest (credited by U.S. Govt.)	Other
	725	726	727	728	729	730	731	732	733	734	735
1970 1969 1968 1967	1,092 981 912 862 834	2,955 2,685 2,485 2,311 2,236	3,741 3,509 3,275 3,042 2,940	9,545 7,606 6,797 5,856 5,131	1,748 1,663 1,557 1,470 1,361	9,437 8,609 7,771 7,541 7,128	5,205 4,509 3,831 3,351 2,918	3,090 3,039 2,963 3,273 3,326	2,524 2,550 2,547 2,910 3,040	566 488 416 363 286	1,143 1,061 977 917 884
1965 1964 1963 1962 1961	766 722 688 640 631	2,021 1,917 1,780 1,667 1,641	2,691 2,536 2,316 2,180 2,133	4,483 3,942 3,523 3,116 2,854	1,270 1,195 1,161 1,184 1,119	6,627 6,324 5,950 5,304 4,791	2,638 2,369 2,136 1,942 1,745	3,234 3,250 3,171 2,812 2,511	2,994 3,046 2,992 2,649 2,317	239 203 179 162 194	755 706 642 550 535
1960 * 1959 1 1958 1957 1956	607 566 533 479 467	1,573 1,492 1,415 1,368 1,295	1,957 1,740 1,658 1,701 1,548	2,583 2,348 2,089 1,923 1,718	1,128 1,085 1,058 1,065 1,019	4,347 3,631 3,361 3,209 2,791	1,558 1,376 1,224 1,063 919	2,316 1,827 1,711 1,719 1,500	2,136 1,647 1,493 1,510 1,315	181 179 218 209 185	472 428 426 427 871
1955 1954 1953 1952	412 391 365 370	1,184 1,098 949 924	1,306 1,251 1,250 1,082	1,608 1,328 1,198 1,087	962 974 967 924	2,511 2,560 2,501 2,462	837 757 634 579	1,325 1,466 1,551 1,597	1,138 1,263 1,370 1,438	187 203 181 159	350 337 316 287

^{*} Denotes first year for which figures include Alaska and Hawaii.

- Represents zero.

¹ Includes Alaska.

Series Y 710-735. State Government Revenue, by Source: 1902 to 1970—Con.

	Revenue from State sources—Con.													
		General reve	enue—Con.			Insurance trust revenue								
Year		Taxes—Con.		Charges	Liquor stores			Unempl	oyment comp	ensation				
	Property	Motor ve- hicle and operators' licenses	Other	and miscella- neous	revenue	Total	Employee retirement	Total	Contri- butions	Interest (credited by U.S. Govt.)	Other			
	725	725 726		728	729	730	731	732	· 733	734	735			
950 948 946 944	307 276 249 243 264	755 593 489 394 431	888 747 616 520 472	909 774 482 413 370	810 857 798 528 373	1,831 1,711 1,494 1,702 1,366	425 296 193 142 115	1,176 1,203 1,162 1,405 1,134	1,028 1,059 1,034 1,319 1,076	148 144 128 86 58	22 21 14 15			
940 938 936 934 932	260 244 228 273 328	387 359 360 305 335	458 472 370 294 348	344 828 296 264 266	281 262 183 90	1,074 890 168 119 118	108 85 75 64 54	878 726 23	844 702 23	34 24				
927 922 918 902	370 348 140 82	801 152 5	330 212 101 46	249 181 59 25	- - - 2	137 106	40 29							

⁻ Represents zero.

Series Y 736-782. State Government Expenditure, by Character and Object, by Function, and State Government Debt: 1902 to 1970

					(In	millions of d	lollars]						
				Expend	liture, by c	haracter and	object					De	ht
		Inter-				Direct ex	penditure				Expend- iture		Increase
Year	Total	govern- mental expend-	Total	Current	Capital outlay			Assist- ance	Interest	Insur- ance	for personal services	Out- standing at end of	or decrease (—)
		iture		operation	Total	Construc- tion	Other	and subsi- dies	on debt	benefits and re- payments	Ser vices	fiscal year	during year
	736	737	738	739	740	741	742	743	744	745	746	747	748
1970 1969 1968 1967 1966	85,055 74,227 66,254 58,760 51,123	28,892 24,779 21,950 19,056 16,928	56,163 49,448 44,304 39,704 84,195	30,971 27,052 28,379 20,201 16,855	13,295 12,701 12,210 11,544 10,198	11,185 10,610 10,053 9,550 8,287	2,110 2,091 2,158 1,994 1,906	4,387 3,509 2,960 2,665 2,301	1,499 1,275 1,128 1,026 894	6,010 4,911 4,626 4,268 8,952	17,786 15,592 18,799 12,011 10,561	42,008 39,553 35,666 32,472 29,564	2,455 3,887 3,194 2,908 2,530
1965 1964 1963 1962 1961	45,639 42,583 89,583 86,402 34,693	14,174 12,968 11,885 10,906 10,114	31,465 29,616 27,698 25,495 24,578	14,930 18,492 12,449 11,290 10,384	9,307 8,820 8,110 7,214 6,865	7,600 7,268 6,717 5,960 5,699	1,707 1,558 1,393 1,254 1,166	2,236 2,175 2,112 2,118 2,044	822 765 721 635 584	4,170 4,364 4,306 4,238 4,701	9,257 8,408 7,722 7,051 6,524	27,034 25,041 23,176 22,023 19,993	1,998 1,865 1,158 2,004 1,450
1960 * 1959 ¹ 1958 1957 1956	31,596 31,125 28,080 24,235 21,686	9,448 8,689 8,089 7,440 6,538	22,152 22,436 19,991 16,796 15,148	9,534 8,775 8,161 7,330 6,758	6,607 7,059 5,946 5,168 4,564	5,509 5,937 5,022 4,318 3,872	1,098 1,122 924 845 692	2,015 1,891 1,813 1,639 1,531	536 453 396 351 811	3,461 4,259 3,675 2,313 1,984	5,914 5,474 5,068 4,473 4,132	18,543 16,930 15,394 13,738 12,890	1,618 1,586 1,656 848 1,692
1955 1954 1958 1952	20,357 18,686 16,850 15,834	5,986 5,679 5,384 5,044	14,371 13,008 11,466 10,790	6,284 5,886 5,540 5,173	3,992 3,347 2,847 2,658	3,404 2,831 2,472 2,323	589 515 375 336	1,482 1,486 1,501 1,402	251 193 162 144	2,411 2,096 1,416 1,413	3,795 3,491 3,282 2,956	11,198 9,600 7,824 6,874	1,598 1,776 950 652
1950 1948 1946 1944 1942	15,082 11,181 7,066 5,161 5,848	4,217 8,288 2,092 1,842 1,780	10,864 7,897 4,974 3,319 3,563	4,450 3,837 2,701 2,134 1,827	2,237 1,456 368 330 642	1,966 1,268 292 288 560	272 188 75 42 82	1,891 1,499 663 527 466	109 86 84 101 122	2,177 1,020 1,158 226 505	2,450 1,960 1,240 1,061 961	5,285 3,676 2,353 2,776 3,257	1,137 708 -154 -214 -283
1940	5,209 4,598 3,862 3,461 2,829	1,654 1,516 1,417 1,318 801	3,555 3,082 2,445 2,143 2,028	1,570 1,503 1,192 985 982	737 701 634 619 786	643 612 553 540 686	94 89 81 79 100	517 448 416 356 83	130 128 124 119 114	601 302 79 64 68	902 848 685 576 616	3,590 3,343 3,413 3,248 2,832	58 -32 -9 167 223
1927 1922 1913 1902	2,047 1,397 388 188	596 312 91 52	1,451 1,085 297 186	762 562 218 114	492 302 48 2	430 263 42 2	62 39 6	48 122 17 10	83 45 14 10	71 54	465 848 125 65	1,971 1,131 379 280	145 230 47 11

GOVERNMENT EMPLOYMENT AND FINANCES

Series Y 736-782. State Government Expenditure, by Character and Object, by Function, and State Government Debt: 1902 to 1970—Con.

[In millions of dollars]

			Ir	ntergovern	mental ex	penditure	, by functi	on			I	Direct exp	enditure, l	y functio	n	,	
		Total general expend-	-										General ex	penditure		Public welfare	
Year	Total expend- iture	iture (direct and		Educa-	High-	Public	Other specified	General local govern- ment support	Total			1	Education		*** 1	Public	ī
		inter- govern- mental)		tion	ways	welfare	purposes			Total	Total	State institu- tions of higher educa- tion	Local schools	Other educa- tion	High- ways	Total	Cate- gorical cash assist- ance
	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765
1970	85,055	77,642	28,892	17,085	2,439	5,003	1,408	2,958	56,163	48,749	13,780	11,011	437	2,332	11,044	8,203	3,534
1969	74,227	68,023	24,779	14,858	2,109	4,402	1,275	2,135	49,448	43,244	12,304	10,004	365	1,935	10,414	6,464	2,827
1968	66,254	60,395	21,950	13,321	2,029	3,527	1,079	1,993	44,304	38,446	10,957	8,982	339	1,637	9,819	5,122	2,421
1967	58,760	53,305	19,056	11,845	1,861	2,897	868	1,585	39,704	34,249	9,384	7,728	300	1,357	9,423	4,291	2,243
1966	51,128	46,090	16,928	10,177	1,725	2,882	783	1,361	34,195	29,162	7,572	6,353	231	989	8,624	3,138	1,986
1965	45,639	40,446	14,174	8,851	1,630	2,436	655	1,102	31,465	26,273	6,181	5,258	189	735	8,214	2,998	1,970
1964	42,583	37,242	12,968	7,664	1,524	2,108	619	1,053	29,616	24,275	5,465	4,649	207	609	7,850	2,796	1,935
1963	39,583	34,377	11,885	6,993	1,416	1,919	545	1,012	27,698	22,491	4,718	3,992	222	504	7,425	2,712	1,909
1962	36,402	31,281	10,906	6,474	1,327	1,777	490	839	25,495	20,375	4,270	3,634	202	434	6,635	2,509	1,863
1961	34,693	29,118	10,114	5,963	1,266	1,602	462	821	24,578	19,004	3,792	3,170	226	396	6,230	2,311	1,767
1960 *	31,596	27,228	9,443	5,461	1,247	1,483	447	806	22,152	17,784	3,396	2,856	189	351	6,070	2,221	1,728
1959 ¹	31,125	26,006	8,689	4,957	1,207	1,409	391	725	22,436	17,318	3,093	2,614	150	329	6,414	2,124	1,683
1958	28,080	23,537	8,089	4,598	1,167	1,247	390	687	19,991	15,449	2,728	2,305	117	305	5,507	1,944	1,563
1957	24,235	21,087	7,440	4,212	1,082	1,136	341	668	16,796	13,647	2,342	1,958	112	272	4,875	1,826	1,481
1956	21,686	18,857	6,538	8,541	984	1,069	313	631	15,148	12,319	2,138	1,678	219	241	4,367	1,608	1,364
1955	20,357	17,176	5,986	3,150	911	1,046	288	591	14,371	11,190	1,905	1,468	227	210	3,899	1,600	1,321
1954	18,686	15,788	5,679	2,930	871	1,004	274	600	13,008	10,109	1,715	1,324	199	192	3,254	1,548	1,298
1953	16,850	14,678	5,384	2,737	803	981	271	592	11,466	9,294	1,634	1,277	150	207	2,781	1,534	1,307
1952	15,834	13,697	5,044	2,523	728	976	268	549	10,790	8,653	1,494	1,180	125	189	2,556	1,410	1,192
1950	15,082	12,250	4,217	2,054	610	792	279	482	10,864	8,033	1,358	1,107	87	164	2,058	1,566	1,337
1948	11,181	9,469	3,283	1,554	507	648	146	428	7,897	6,186	1,081	895	65	121	1,510	962	820
1946	7,066	5,245	2,092	958	339	376	67	357	4,974	3,153	518	397	48	73	613	680	589
1944	5,161	4,508	1,842	861	298	368	41	274	3,319	2,666	489	380	40	69	540	577	506
1942	5,343	4,549	1,780	790	344	390	32	224	3,563	2,769	391	296	30	65	790	523	414
1940	5,209	4,384	1,654	700	332	420	21	181	3,555	2,730	375	290	29	56	793	527	321
1938	4,598	4,092	1,516	656	317	346	17	180	3,082	2,576	347	268	28	51	815	453	257
1936	3,862	3,640	1,417	573	285	245	151	163	2,445	2,223	297	231	24	42	754	422	2 395
1934	3,461	3,327	1,318	434	247	211	281	145	2,143	2,009	228	177	20	31	738	363	2 337
1932	2,829	2,766	801	398	229	28	6	140	2,028	1,965	278	234	17	27	843	74	2 61
1927 1922 1913 1902	2,047 1,897 388 188	1,976 1,843 388 186	596 312 91 52	292 202 82 45	197 70 4 2	6 4	3 1 	98 35 5 5	1,451 1,085 297 136	1,380 1,031 297 134	218 164 55 17	196 143 49 13		22 21 6 4	514 303 26 4	40 38 16 10	² 29 ² 27 ² 10 ² 6

		Direct expenditure, by function—Con.																
					Gei	neral expe	nditure—(Con.						Insurance trust expenditure				
Year	Public welfare— Con.					Natural	Veterans services,	Financial adminis-	Interest	Social		Other	Liquor stores expend-		Em-	Un- employ-		
	Other cash assist- ance	Other public welfare	Hos- pitals	Health	Police	resources	not else- where classified	tration and general control	on general debt	insurance adminis- tration	Correc- tion	and unalio- cable	iture	Total	ployee retire- ment	ment compen- sation	Other	
	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	
1970	145	4,524	4,002	786	688	2,158	65	1,720	1,499	767	1,051	2,985	1,404	6,010	2,376	2,713	921	
1969	91	3,545	3,582	676	585	2,035	49	1,496	1,275	665	914	2,786	1,293	4,911	2,088	1,984	840	
1968	57	2,643	3,233	599	516	1,954	31	1,310	1,128	606	838	2,332	1,233	4,626	1,810	2,042	774	
1967	54	1,994	2,857	501	441	1,801	23	1,175	1,026	545	747	2,036	1,187	4,268	1,606	1,934	728	
1966	57	1,096	2,533	433	385	1,532	21	1,024	894	500	664	1,842	1,081	3,952	1,398	1,884	671	
1965	62	965	2,317	384	348	1,343	20	948	822	457	632	1,609	1,022	4,170	1,238	2,288	644	
1964	59	801	2,127	337	315	1,185	19	871	765	426	586	1,534	977	4,364	1,125	2,627	612	
1963	60	743	2,006	324	297	1,097	20	830	721	411	536	1,393	900	4,306	995	2,750	562	
1962	61	585	1,878	283	276	973	95	763	635	399	508	1,152	882	4,238	933	2,802	502	
1961	78	466	1,799	260	261	906	84	726	584	351	479	1,223	873	4,701	791	3,456	453	
1960 *	76	417	1,664	232	245	842	112	654	536	313	425	1,073	907	3,461	700	2,359	402	
1959 ¹	66	375	1,627	223	228	813	61	619	453	303	413	948	860	4,259	626	3,268	365	
1958	55	326	1,549	211	214	753	121	569	396	270	370	818	869	3,675	587	2,751	337	
1957	49	296	1,373	198	179	688	38	531	351	234	328	685	836	2,313	511	1,495	307	
1956	37	203	1,268	202	159	670	88	477	311	215	295	526	845	1,984	437	1,273	274	
1955	44	234	1,145	193	139	597	61	447	251	207	268	478	770	2,411	373	1,780	258	
1954	32	218	1,089	187	130	563	102	419	193	190	250	469	803	2,096	355	1,504	237	
1953	37	188	1,014	170	119	531	113	399	162	187	238	411	757	1,416	292	908	216	
1952	37	182	968	164	106	539	142	361	144	177	223	369	723	1,413	247	971	195	
1950	92	137	788	159	85	468	462	317	109	172	198	293	654	$^{2,177}_{1,020}$	163	1,845	169	
1948	58	84	533	130	65	344	633	266	86	150	153	273	691		123	756	141	

Y 766-795 GOVERNMENT

Series Y 736-782. State Government Expenditure, by Character and Object, by Function, and State Government Debt: 1902 to 1970—Con.

[In millions of dollars]

		Direct expenditure, by function—Con.															
Year						Insurance trust expenditure											
	Public welfare— Con.					Natural	Veterans	adminis-	Interest	Social		Other	Liquor stores expend-		Em-	Un- employ-	
	Other cash assist- ance	Other public welfare	Hos- pitals	Health	Police	resources	not else- where classified	tration and general control	on general debt	insurance adminis- tration		and unallo- cable	iture	Total	ployee retire- emnt	ment compen- sation	Other
	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782
1946 1944 1942	35 32 72	56 39 37	308 253 235	116 78 64	45 41 40	207 164 159	· 54 1 1	192 162 164	84 101 122	60 35 59	97 83 80	179 142 141	663 426 288	1,158 226 505	92 71 65	965 65 869	102 90 71
1940 1938 1936 1934 1932	170 165 (2) (2) (2)	36 31 27 26 13	236 209 180 167 181	64 59 41 36 34	34 30 19 15 15	144 128 93 85 119		151 146 130 108 114	130 128 124 119 114	64 48 3 1	86 85 73 70 87	126 128 87 79 106	224 204 143 70	601 302 79 64 63	56 48 36 27 18	492 202	53 52 43 37 45
1927 1922 1913 1902	· (2) (2) (2) (2)	11 11 6 4	146 105 47 28	24 20 6 4	7 4 1	94 61 14 9		96 69 38 23	83 45 14 10		64 64 28 14	94 158 52 15		71 54	12 9		59 45

^{*} Denotes first year for which figures include Alaska and Hawaii. 1 Includes Alaska.

Series Y 783-795. Local Government Expenditure, by Character and Object, and Local Government Debt: 1902 to 1970

[In millions of dollars]

					Expen	diture						D	ebt
		Inter-				Direct exp	enditure				Expendi- ture for		
Year	Total	govern- mental expend-		Current	C	apital outlay	<i>,</i>	Assist- ance Interest		Insurance benefits	personal services	Out- standing at end of	Increase or decrease (-)
	783	iture (to States)	Total	operation	Total	Construc- tion	Other	and subsidies	on debt ¹	and repayments		fiscal year	during year
		784	785	786	787	788	789	790	791	792	793	794	795
1970	92,522	633	91,889	66,943	16,355	13,067	3,289	3,703	3,624	1,263	45,212	101,563	7,568
1969	82,698	546	82,152	59,126	15,539	12,294	3,245	3,217	3,128	1,141	40,103	93,995	8,503
1968	72,357	427	71,930	51,932	13,521	10,747	2,773	2,689	2,761	1,027	35,197	85,492	4,307
1967	66,648	374	66,274	47,639	12,689	9,811	2,877	2,349	2,587	1,008	32,439	81,185	4,463
1967	60,994	283	60,711	43,357	12,137	9,514	2,622	2,014	2,374	830	29,498	77,487	5,009
1965	55,482	262	55,221	38,999	11,360	8,905	2,456	1,891	2,191	780	26,838	72,478	5,297
1964	51,199	235	50,964	36,197	10,267	8,127	2,140	1,709	2,061	730	24,902	67,181	5,800
1963	47,237	235	47,002	33,294	9,528	7,536	1,992	1,625	1,875	680	23,017	61,881	2,942
1962	45,279	226	45,053	31,446	9,577	7,665	1,912	1,590	1,789	651	21,678	58,779	3,521
1962	42,641	196	42,445	29,416	9,226	7,515	1,711	1,564	1,641	598	19,937	55,030	3,618
1960 *	39,056	209	38,847	26,785	8,497	6,843	1,654	1,503	1,492	570	18,531	51,412	4,232
1959 ²	36,341	205	36,136	24,594	8,292	6,786	1,506	1,438	1,287	525	17,055	47,180	4,387
1958	84,023	302	33,721	22,701	8,040	6,682	1,358	1,346	1,141	493	15,723	42,793	3,492
1957	31,057	300	30,757	20,653	7,454	6,069	1,385	1,189	1,025	436	14,234	39,301	3,323
1956	28,278	269	28,004	18,771	6,843	5,482	1,361	1,089	910	392	12,986	35,978	2,909
1955	26,230	226	26,004	16,951	6,713	5,644	1,069	1,179	807	353	11,744	33,069	3,788
1954	23,814	215	23,599	15,622	5,778	4,907	871	1,148	723	327	10,851	29,331	3,374
1953	21,662	191	21,471	14,425	5,058	4,291	767	1,057	635	296	9,868	25,957	2,731
1952	20,229	156	20,073	13,360	4,778	4,063	715	1,070	580	285	9,089	23,226	1,332
1950	17,041	(3)	* 17,041	11,498	3,810	3,208	607	1,027	504	202	7,593	18,830	1,979
1948	13,363	(3)	* 13,363	9,578	2,269	1,817	452	882	457	177	6,470	14,980	1,133
1946	9,093	(3)	* 9,093	6,989	937	678	259	546	473	148	4,705	13,664	-600
1944	7,180	(3)	* 7,180	5,714	379	274	105	425	534	128	3,927	14,703	-1,080
1944	7,351	(3)	* 7,351	5,230	835	681	154	590	584	112	3,554	16,080	-337
1940	7,685	(3)	37,685	4,606	1,778	1,185	593	558	657	86	3,400	16,693	162
	6,906	(3)	36,906	4,466	1,157	926	231	546	656	81	3,176	16,093	6
	6,056	(3)	36,056	4,036	890	712	178	336	717	77	2,871	16,061	306
	5,699	(3)	35,699	3,665	788	630	158	459	718	69	2,618	15,681	826
	6,375	(3)	36,375	4,197	1,090	872	218	305	726	57	2,925	16,373	9
1927 1922 1913 1902	6,359 4,567 1,960 959	(3) (3) (3) (3)	* 6,359 * 4,567 * 1,960 * 959	3,828 2,915 1,287 682	1,864 1,216 500 203	1,491 978 400 162	373 243 100 41	50 30 7 5	579 385 159 69	38 21 8	2,680 2,041 901 475	12,910 8,978 4,035 1,877	929 1,216

^{*} Denotes first year for which figures include Alaska and Hawaii.
¹ Includes interest on debt of utilities operated by local governments.

² Other cash assistance included with categorical public assistance.

³ Includes Alaska. ³ Minor amounts of intergovernmental expenditure to States not segregable from "Direct expenditure."

Series Y 796-816. Local Government Revenue, by Source: 1902 to 1970 [In millions of dollars]

			_		[and action	HORB OF GOHAL	~1					
	Revent	ue from ources		ernmental enue				Revenue from	local sources	·		
		1		· · · · · · · · · · · · · · · · · · ·				G	eneral revenu	ıe		
Year	Total ¹	General revenue (direct ¹ and inter-	From Federal Govern-	From State govern-	Total				Taxes	·		Charges
	74	govern- mental)	ment	ments	ŧ	Total	Total	Individual income 2	Sales and gross receipts	Property	Other taxes 3	and miscel- laneous
	796	797	798	799	800	801	802	803	804	805	806	807
1970_#	79, 274 70, 171 64, 608 59, 268 53, 408 49, 578 45, 586 43, 147 40, 483 37, 324 33, 572 31, 348	80,916 71,943 63,181 58,235 53,172 47,528 44,084 40,558 38,346 35,899 33,092 729,621 27,723	2,605 2,245 1,954 1,753 1,378 1,155 956 831 763 719 592 489	26,920 28,887 20,342 18,434 16,391 14,010 12,873 11,760 10,879 10,185 9,522 8,399 7,974	59,557 53,192 47,875 44,419 41,499 38,242 35,749 32,996 31,506 29,579 27,209 24,684 22,970 21,357	51,392 45,861 40,886 38,045 33,404 32,362 30,256 27,967 26,705 24,995 22,912 20,733 19,345 17,866	38,833 34,781 31,171 29,074 27,361 25,116 28,542 21,897 20,998 19,804 18,081 16,531 16,461 14,286	1,630 1,381 1,077 916 472 433 376 311 309 258 254 230 215	3,068 2,470 1,932 1,956 2,041 2,059 1,806 1,574 1,456 1,432 1,339 1,150 1,079	32,963 29,692 26,835 25,186 23,836 21,817 20,519 19,145 18,414 17,370 15,798 14,417 13,514 12,385	1,173 1,239 1,327 1,016 1,012 847 847 887 815 744 692 734 652	12,558 11,080 9,714 8,971 8,971 6,714 6,070 5,711 5,192 4,831 4,202 3,885
1957 1956 1955 1954 1953 1952	29,021 26,352 24,166 22,402 21,007 19,398	25,531 23,137 21,092 19,562 18,371 16,952	343 309 368 298 300 237	7,321 6,590 5,987 5,635 5,384 5,044	21,357 19,453 17,811 16,468 15,323 14,117	17,866 16,238 14,737 13,629 12,687 11,671	14,286 12,992 11,886 10,978 10,356 9,466	191 164 143 122 96 85	1,031 889 779 703 718 627	12,385 11,282 10,323 9,577 9,010 8,282	679 657 641 576 530 473	3,580 3,246 2,851 2,651 2,331 2,205
1950 #	13,167 9,561 8,535 8,114 7,724	14, 014 11, 373 8, 227 7, 340 7, 122 6, 939 6, 651 6, 179 5, 820 5, 690	211 218 53 28 56 278 167 229 83	4,217 3,283 2,092 1,842 1,780 1,654 1,516 1,417 1,318 801	11,673 9,666 7,416 6,665 6,278 5,792 5,646 5,147 4,962 5,381	9,586 7,872 6,082 5,470 5,286 5,007 4,968 4,533 4,419 4,879	7, 984 6, 599 5, 157 4, 708 4, 625 4, 497 4, 473 4, 083 3, 983 4, 274	64 44 33 26 27 18	484 400 183 136 133 130 120 90 30 26	7,042 5,850 4,737 4,361 4,273 4,170 4,196 3,865 3,803 4,159	394 305 204 180 192 179 157 128 100	1,602 1,273 925 767 661 510 495 450 486 605
1927 1922 - 1913 1902 	6,333 4,148 1,755 914	5,903 3,866 1,637 854	9 9 6 4	596 312 91 52	5,728 3,827 1,658 858	5,298 3,545 1,540 798	4,479 3,069 1,308 704		25 20 3	4,360 2,973 1,192 624	94 76 113 80	819 476 232 94

				Revenue	from local sour	rces—Con.			
		τ	Itilities revenu	e		Liquor	Insu	rance trust rev	enue
Year	Total	Water supply system	Electric power system	Transit system	Gas supply system	stores revenue	Total	Employee retirement	Unemploy- ment com- pensation 5
	808	809	810	811	812	813	814	815	816
1970 1969 1968 1967 1966 1965 1965 1963 1962 1961	6,608 5,931 5,683 5,246 5,069 4,908 4,616 4,216 4,026 3,856	2,687 2,464 2,313 2,187 2,115 2,004 1,917 1,804 1,725 1,621	2,385 2,166 2,119 1,881 1,911 1,833 1,718 1,488 1,422 1,450	1,135 934 919 860 743 776 715 675 648 588	401 366 332 319 300 295 266 249 236 197	258 245 262 195 189 177 164 155 148	1,299 1,155 1,044 933 837 795 713 657 627 587	1,288 1,145 1,035 921 826 785 703 647 619 579	11 10 10 12 11 11 10 10 8 8
1960 * 1959 4 1958 1 1957 1 1956 1 1955 1 1954 1 1953 1	3,613 3,320 3,041 2,944 2,718 2,609 2,403 2,237 2,071	1,529 1,388 1,256 1,235 1,162 1,092 971 939 839	1,307 1,178 1,096 1,011 887 870 787 713 683	581 565 516 541 542 544 554 500 479	196 190 173 157 127 104 90 85	136 131 112 118 117 117 119 120 113	549 500 471 429 380 347 317 280 262	541 495 464 423 376 343 313 275 256	7 6 6 5 4 4 5 5
1950	1,808 1,565 1,169 1,066 887 704 605 558 499 463	705 640 556 521 439 401 371 369 342 317	574 474 348 305 251 220 169 181 115	468 399 227 208 170 58 47 41 32	61 52 38 32 27 25 18 17 10	94 89 66 39 17 13 10 6	185 140 99 90 88 68 63 50 43	181 137 96 86 80 61 58 50 43 39	4 3 3 4 8 7 5
1927 1922 1913 1902	403 266 116 60	247 175 99 56	111 72 16 3	35 13	10 6 1 1		27 16 2	27 16 2	

^{*} Denotes first year for which figures include Alaska and Hawaii.

Duplicative transactions between levels of government are excluded.

Includes minor amounts of corporation income tax.
 Includes licenses.
 Includes Alaska.
 Washington, D.C., only.

GOVERNMENT

Series Y 817-848. Local Government Expenditure, by Function: 1902 to 1970 [In millions of dollars]

						[]1	n millions	of dollars								
									Direct ex	penditure						
		Inter- govern-							Gene	ral expend	iture					
	Total	mental expend- iture				Education	1			Public	welfare					
Year		(to States)	Total	Total general	Total	Local schools	Institu- tions of higher educa- tion	High- ways	Total	Cate- gorical cash assist- ance	Other cash assist- ance	Other public welfare	Hos- pitals	Health	Police	Fire pro- tection
	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832
1970 1969 1968 1967 1966 1965 1964 1964 1963 1962	66,648 60,994 55,482 51,199 47,237 45,279 42,641	633 546 427 374 283 262 235 235 226 196	91,889 82,152 71,930 66,274 60,711 55,221 50,964 47,002 45,053 42,445	82,582 73,483 63,966 59,101 53,680 48,405 45,027 41,486 39,831 37,197	38,938 34,934 30,200 128,534 25,715 22,382 20,822 19,011 17,946 16,782	37,024 33,387 28,966 27,290 24,860 21,777 20,192 18,537 17,538 16,382	1,914 1,547 1,238 1,204 855 605 630 474 408 400	5,388 5,003 4,663 4,510 4,146 4,007 3,814 3,725 3,722 3,614	6,477 5,646 4,735 3,927 3,620 3,317 2,970 2,708 2,575 2,409	3,368 2,863 2,396 2,138 1,836 1,719 1,543 1,465 1,394 1,308	335 354 292 212 179 171 167 206 197 257	2,774 2,429 2,047 1,577 1,605 1,426 1,260 1,037 985 845	3,861 3,429 3,049 2,703 2,436 2,208 2,044 1,921 1,795 1,697	1,019 833 666 580 508 452 402 386 386 380	3,806 3,316 2,894 2,609 2,391 2,201 2,051 1,934 1,854 1,756	2,024 1,798 1,628 1,499 1,376 1,306 1,222 1,161 1,124 1,087
1960 *	36,341 34,023 31,057 28,273 26,230 23,814	209 205 302 300 269 226 215 191 156	38,847 36,136 33,721 30,757 28,004 26,004 23,599 21,471 20,073	34,092 31,570 29,403 26,729 24,392 22,534 20,593 18,616 17,444	15,323 14,190 13,192 11,793 11,082 10,003 8,842 7,756 6,824	14,977 13,884 12,915 11,545 10,946 9,902 8,748 7,672 6,737	346 306 277 248 136 102 94 84 87	3,358 3,178 3,060 2,941 2,586 2,553 2,272 2,207 2,094	2,183 2,012 1,874 1,659 1,536 1,568 1,512 1,380 1,378	1,269 1,203 1,126 1,048 946 947 927 853 831	284 235 220 146 207 285 276 236 266	680 574 528 470 382 336 309 292 280	1,571 1,515 1,412 1,246 1,048 908 873 849 777	327 359 292 303 254 277 260 258 276	1,612 1,482 1,396 1,290 1,172 1,091 1,000 919 833	995 914 873 810 737 694 653 598
1950	7,180 7,351 7,685 6,906	(5) (6) (8) (8) (9) (9) (9) (9) (9)	\$17,041 \$13,363 \$9,093 \$7,180 \$7,351 \$7,685 \$6,906 \$5,699 \$6,375	14,754 11,498 7,875 6,197 6,421 6,181 5,421 5,172 5,800	5,819 4,298 2,838 2,304 2,195 2,263 2,144 1,880 1,603 2,033	5,819 4,298 2,838 2,304 2,195 2,263 2,144 1,880 1,603 2,033		1,745 1,526 1,059 660 700 780 835 671 771 898	1,374 1,137 729 556 702 629 616 405 526 370	673 653 425 336 347 290 226 3	446 299 181 134 273 268 320 36 59 05	255 185 123 86 82 71 70 69 67	596 404 259 215 197 214 191 171 142	205 162 135 110 95 95 92 75 73	691 579 434 373 354 331 329 295 276 303	488 400 294 251 236 238 231 201 183 210
1927 1922 1913 1902	4,567 1,960	(3) (3) (3) (3) (3)	36,859 34,567 31,960 3959	5,830 4,187 1,767 879	2,017 1,541 522 238		017 541 522 238	1,295 991 893 171	111 81 36 27	:	50 30 7 5	61 51 29 22	133 95 32 15	52 38 23 13	263 186 88 50	203 156 70 40

							Dir	ect expen	diture—C	on.						
			General	expenditu	re—Con.				Utilit	ies expen	liture			Insuranc	e trust exp	penditure
Year	Sanita- tion	Natural re- sources	Parks and recrea- tion	Housing and urban renewal	Financial adminis- tration and general control	Interest on general debt	Other and unallo- cable	Total	Water supply system	Electric power system	Transit system	Gas supply system	Liquor stores expend- iture	Total	Em- ployee retire- ment	Unem- ployment compen- sation 4
	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848
1970	3,413 2,969 2,707 2,523 2,571 2,360 2,267 1,996 1,958 1,774	574 517 517 542 507 518 650 400 398 421	1,888 1,645 1,412 1,291 1,187 1,104 1,022 902 886 857	2,115 1,887 1,613 1,441 1,382 1,227 1,125 1,167 1,145	2,961 2,609 2,337 2,139 1,950 1,825 1,697 1,608 1,574 1,512	2,875 2,457 2,138 2,007 1,796 1,668 1,590 1,444 1,376 1,240	7,248 6,444 5,411 4,797 4,097 3,829 3,350 3,128 3,091 2,782	7,820 7,316 6,721 6,006 6,042 5,886 5,067 4,704 4,445 4,532	3,211 3,019 2,740 2,587 2,716 2,505 2,255 2,255 2,197 2,077 2,106	2,486 2,216 2,123 1,847 1,949 1,983 1,614 1,458 1,378 1,461	1,753 1,750 1,559 1,285 1,114 1,127 948 814 771 755	370 332 299 287 263 272 251 235 219 210	223 212 216 157 159 150 140 132 126 119	1,263 1,141 1,027 1,009 830 780 730 680 651 599	1,253 1,133 1,019 1,002 822 770 719 670 645 592	10 8 8 7 8 10 11 10 6 7
1960 *	1,727 1,609 1,505 1,443 1,326 1,142 1,058 908 992	347 263 246 244 236 196 199 173 287	770 729 685 608 541 509 424 374	850 612 599 503 435 497 609 628 766	1,459 1,384 1,274 1,195 1,083 1,005 956 864 832	1,134 963 848 755 675 587 525 452 408	2,436 2,360 2,147 1,939 1,681 1,504 1,410 1,250 1,117	4,066 3,923 3,720 3,494 3,119 3,023 2,577 2,457 2,246	1,881 1,764 1,624 1,584 1,461 1,479 1,150 1,084	1,244 1,278 1,260 1,102 895 819 751 723 631	750 711 686 652 636 600 586 582 581	191 174 150 156 128 125 90 68 61	115 118 104 98 101 93 102 102 98	570 525 492 436 392 353 327 296 285	565 518 487 432 388 348 323 294 283	57 6 4 4 5 4 2 2
1950	370 245 229 207 226	202 152 95 68 55 74 94 100 74 46	304 243 179 123 128 162 130 104 126 147	452 176 114 46 236 230 3	724 614 511 437 414 410 396 370 824 356	349 313 387 398 443 523 545 614 620 627	971 818 521 411 437 346 349 327 271	2,005 1,612 1,014 822 804 1,090 636 553 457 518	849 628 426 355 368 404 385 344 292 320	534 438 305 227 216 257 156 117 102 92	570 499 247 215 201 411 82 81 57	52 47 36 25 19 18 13 11 6	80 76 56 33 14 10 8 5	202 177 148 128 112 86 81 77 69 57	198 174 145 124 104 84 81 77 69	4 3 3 4 8 2
1927 1922 1913 1902	189		153 85 57 29		316 244 173 118	501 337 133 58	474 242 137 69	491 859 186 80	349 255 159 71	94 75 25 8	38 25 1	10 4 1 1		38 21 7	38 21 7	

Armed Forces and Veterans (Series Y 849-1031)

Y 849-855. Estimates of total cost of U.S. wars.

Source: U.S. Congress, Joint Economic Committee, The Military Budget and National Economic Priorities, part I, pp. 149 and 150, 91st Congress, 1st session (statement of James L. Clayton, University of Utah, at Hearings before the Subcommittee on Economy in Government); and for series Y 853, U.S. Veterans Administration, Annual Report of Administrator of Veterans Affairs.

Details concerning individual estimates and the sources used by Professor Clayton are given in the source document.

An earlier study, Cost of U.S. Wars (typewritten form), was made by Raymond E. Manning, Senior Specialist in Taxation and Fiscal Policy, Legislative Reference Service, The Library of Congress, October 1956. This report gives details as to the period covered, the costs which are included and those excluded, and the assumptions and statistical method used for the computations for each war from the American Revolution through the Korean conflict.

Y 856-903. Selected characteristics of the Armed Forces, by war.

Source: The President's Commission on Veterans Pensions, Veterans' Benefits in the United States, vol. I; Staff Report No. IV, "Veterans in our Society," House Committee Print 261, 84th Cong., 2d session; and revised estimates prepared by the Department of Defense.

The time coverage for a particular war may vary from series to series. See source for exact coverage.

The number of personnel serving in the Revolutionary War is not known, but estimates range from 184,000 to 250,000. In the War of 1812, it is estimated that 286,730 served and in the Mexican War, 78,718. In the Civil War, estimates for Confederate forces range from 600,000 to 1,500,000.

Y 904-916. Military personnel on active duty, 1789-1970.

Source: U.S. Department of Defense, reports and unpublished data. Primary sources of Army data are as follows: 1789, 1794, and 1795, American State Papers, Military Affairs, vol. 1 (except for officers, 1789, Thomas H. S. Hamersly, Complete Regular Army Register of the United States for One Hundred Years (1779-1879), Washington, D.C., 1880); 1801-1821, American State Papers, Military Affairs, vol. 2; 1822-1939, War Department Annual Reports (except as follows: Regular Army, 1847 and 1866, Francis B. Heitman, Historical Register and Dictionary of the United States Army, vol. 2, Washington, D.C., 1903; Army Nurse Corps, 1920, Army field clerks, 1917, and Quartermaster Corps field clerks, 1917 and 1918, Special Report 196, Revised, Statistics Branch, War Department, General Staff, 1927; 1919 and 1920, Quartermaster Corps field clerks, Regular Report 189, Statistics Branch, War Department, General Staff, 1922; 1940-1957, Office of The Adjutant General, Strength of the Army, monthly reports. For data on U.S. Military Academy cadets, 1802-1821, American State Papers, Military Affairs, vol. 2; 1822-1920, Official Register of the Officers and Cadets at the United States Military Academy (except as follows: 1871, 1910, 1913, 1915, 1917, and 1918, War Department Annual Reports); 1921-1941, War Department Annual Reports; 1942-1970, Strength of the Army, monthly reports.

Some of the figures for the Navy and Marine Corps appear in the following sources: Gordon R. Young (ed.), Army Almanac, Stackpole Company, Harrisburg, Pennsylvania, 1959; Bureau of Navy Personnel, Navy and Marine Corps, Military Personnel Statistics, June and December 1956; Navy Department, Bureau of Personnel, Progress Report, March 1948.

Officers include warrant officers, flight officers, nurses, medical specialists, and field clerks. Enlisted personnel include U.S. Military Academy cadets, U.S. Naval Academy midshipmen, U.S. Air Force Academy cadets, and other officer candidates.

Army data (series Y 905-907) begin with 1789, the year in which the Department of War (now Department of the Army) was established. Although a "regular" Army has existed continuously from that time, the total strengths cannot be documented from available records, nor can reliable estimates be made for 1790-1793 and 1796-1800. Beginning 1861, the data include all military personnel on extended active duty with the Army (Regulars, volunteers, militia, inductees, Reserves, National Guardsmen, and reactivated retired Regular personnel) and U.S. Military Academy cadets. Data prior to 1861 are for Regular Army and cadets only, except for 1836-1840 (Seminole Indian War) and 1846-1848 (Mexican War). Source documents for other years do not contain adequate strength statistics on nonregular personnel called out during the War of 1812 cr for short periods of service during the numerous Indian disturbances. For most years prior to 1878, data were compiled from the latest returns received; some of the reports used, especially those from the frontier garrisons, were weeks or months in transit.

The Army figures include the Army Nurse Corps beginning 1898; Army field clerks and field clerks in the Quartermaster Corps for 1917–1925; warrant officers beginning 1919; flight officers for 1943–1947; and the Women's Army Corps (formerly the Women's Army Auxiliary Corps) and the Women's Medical Specialist Corps (later redesignated the Army Medical Specialist Corps), beginning 1943. All data for these categories are as of June 30, except the 1898 figure for the Army Nurse Corps which is as of September 15.

The Army Nurse Corps became a part of the permanent Army military establishment in 1901. It traces its origin, however, to 1898, when authority was received to employ by contract as many nurses as needed during the war with Spain. For this reason, data on nurses have been included for 1898–1900.

The positions of Army field clerks and field clerks in the Quartermaster Corps were created by Act of Congress, August 29, 1916. Field clerks of both classes were subject to the rules and articles of war, and had the status of officers, although not commissioned officers. By Act of Congress, April 27, 1926, the Secretary of War was authorized and directed to appoint as warrant officers all field clerks then in active service.

The Army figures for 1908-1947 include strength of the Army Air Force and predecessor agencies. Those beginning with 1948 consist of military personnel under the command of the Army only, resulting from the establishment of the Department of the Air Force as an executive department by the National Security Act of 1947. Data for 1948 and 1949 include a small number of Department of the Air Force military personnel assigned for duty with Army commands, and data for 1948-1955 exclude a larger number of Department of the Army military personnel assigned for duty with Air Force commands.

Navy data for 1794, 1795, and 1798 are an approximation of the "on board" personnel authorized by Congress in conjunction with the construction of six frigates to reconstitute a Navy which had existed for 1775–1785 under the Continental Congress. A separate Navy Department was authorized and organized in 1798. Since the crews usually were obligated, during the early years of the Navy, for only a specific sailing or mission, rather than a continuous tour of duty, the strengths shown are more in the nature of averages and are therefore noted as estimated. Data exclude an unknown number of Naval Militia, supplied by the States, who served during the War of

Y 917-970 GOVERNMENT

1812, the Mexican War, and the Spanish-American War. Since 1916, naval reservist and retired personnel on extended active duty have been included.

The Marine Corps was founded in 1775 by the Continental Congress and served during the Revolutionary War, but ceased to exist in 1783. It was reactivated in 1794 when Congress authorized the building of the six frigates and a small number of marines were used as guards. The data in series Y 914-916 begin with 1798, since reliable estimates are not available for prior years. Since 1917, reservist and retired personnel on active duty have been included.

Y 917-926. Classification of selective service registrants, 1940-1970.

Source: U.S. Selective Service System. Series 917, 1940, Selective Service in Peacetime, Appendix 20. Series 917-925, 1941-1947, Summary Reports of Classification, Continental United States, March 31, 1941-April 1, 1947, vol. 1, parts 1-3; 1948-1950, Statistics and Special Reports Digests, September 1948-September 1951, U.S. Summary, vol. 1, part E; 1951-1952, Statistics—Periodic Reports of Classifications, U.S. and State Summaries, October 1951-February 1956, vol. II, part B, section 1, Regular Registrants; 1953-1970, compiled from Selective Service System Form 116. Series 926, 1940-1945, Quotas, Calls, and Inductions, Special Monograph No. 12, vol. II, Appendices F-H; 1946-1947, unpublished data; 1948-1970, compiled from Selective Service Form 262.

The Selective Service System is responsible for the registration, examination, classification, selection, and delivery for induction into the Armed Forces of all men required by law to register, or, in lieu of induction, for ordering them to perform civilian work. The law also provides exemptions or deferments from service for many persons for reasons of previous service, essential occupation, family dependency, etc.

The Selective Training and Service Act of 1940, which became law on September 16, 1940, was the first peacetime conscription law in U.S. history. The classification system under that Act provided for classification of registrants into four main groups in the order of their being called into the Armed Forces: Class I, persons available for training and service after the physical examination; Class II, persons available for training and service but temporarily deferred as necessary in defense industries for varying periods up to six months; Class III, persons who had dependents requiring their support; and Class IV, persons who were exempted from training and service by statute, or were nondeclarant aliens, or had completed military service (up to Pearl Harbor), or conscientious objectors against both combatant and noncombatant service, or who were physically, mentally, or morally unfit for service. Within these main classes there were certain subdivisions which indicated more specifically the status of the registrants.

For details concerning changes over time in legislation, classification, registration regulations, etc., see the annual and semiannual reports of the Director of the Selective Service System and the System's series of special monographs. A list of monographs covering the early years appears on the inside front cover of Quotas, Calls, and Inductions, cited in the source note.

Y 927-942. Disposition of defendants charged with violation of selective service acts, 1945-1970.

Source: U.S. Administrative Office of the U.S. Courts, Federal Offenders in the United States District Courts, 1970, table H10.

Statistics reflect defendants charged with violations of the Selective Training and Service Act of 1940 and the Universal Military Training and Service Act of 1948.

These data exclude District of Columbia, Canal Zone, Guam, and Virgin Islands.

Y 943-956. Estimated number of veterans in civil life, by age, 1865-

Source: U.S. Veterans Administration, reports and unpublished data.

Age distribution for veterans of World War I, Spanish-American War, Civil War, Mexican War, and War of 1812 were obtained by procedures used in estimating the number of living veterans in civil life, as described in the text for series Y 957-970. The ages for veterans of Indian wars and Regular Establishment (peacetime service) were obtained from records of the Veterans Administration and predecessor agencies. Age distribution for Regular Establishment veterans is not included after 1965.

The ages of World War II veterans included in the total for 1945 were based on the ages of those veterans on the Veterans Administration disability compensation rolls on June 30, 1945. The estimated number of veterans by age, for 1950 and thereafter, were derived by the application of appropriate survival rates to the male and female components of the potential World War II veteran population as of July 25, 1947. In this particular case, the potential World War II veteran population is defined as: (a) The estimated number of men and women who had served in World War II and who had returned to civil life prior to July 25, 1947, and (b) those still in the service as of July 25, 1947. The age distribution of this population was derived from the Veterans Administration's sample of approximately 1 percent of the records of the men and women separated from the Armed Forces between September 16, 1940, and July 25, 1947, and from estimates provided by the Armed Forces for World War II participants who were still in service on the latter date.

The ages of Korean conflict veterans included for 1955 and thereafter were derived from the Veterans Administration's sample of approximately 1 percent of Department of Defense records for persons returning to civil life between June 27, 1950, and June 30, 1970.

The ages of veterans who served between the end of the Korean conflict and the inception of the Vietnam era included in 1966 and thereafter were derived from the Veterans Administration's sample of approximately 1 percent of Department of Defense records for persons returning to civil life in the period February 1, 1955, through August 4, 1964.

The ages of veterans who served in the Vietnam era included in 1966 and thereafter were derived from the Veterans Administration's sample of approximately 1 percent of Department of Defense records for persons returning to civil life between August 4, 1964, and June 30, 1970.

Y 957-970. Estimated number of veterans in civil life, by period of service, 1865-1970.

Source: U.S. Veterans Administration, reports and unpublished data.

The estimates for the War of 1812 were derived by a backward chain computation involving the application of appropriate survival rates to the age distribution of the 165 living veterans of this war on the pension rolls in 1892. It was assumed that all living veterans of the War of 1812 were on the pension rolls after 1873.

Estimates for the Mexican War were computed by applying appropriate survival rates to the age distribution of the 2,195 living Mexican War veterans on the pension rolls in 1907. For 1890 and later years, the estimates were based on the assumption that 90 percent of the living Mexican War veterans were on the pension rolls. Estimates for years prior to 1890 were based on a backward chain computation.

Estimates for the Indian wars include only veterans on pension rolls of the Veterans Administration or predecessor agencies.

The Civil War estimate for 1865 was based on Armed Forces data. Estimates for years after 1865 were computed from actuarial projections, based on the American Experience Mortality Table, 1868, applied to the age distribution of one million Civil War participants included in Surgeon General, The Medical Department of the U.S. Army

in the World War, vol. XV, Statistics, part I, 1921. The totals so obtained were modified by the assumptions that 75 percent of the living Civil War veterans were on the pension rolls in 1900-1915 and that practically all living Civil War veterans were on the rolls in 1920 and later years. The estimates pertain to Union forces only.

For the Spanish-American War, estimates for 1905 and later years were computed by application of appropriate survival rates to the 1902 age distribution of Spanish-American War participants (not shown here). For 1900, the estimate is based on total participants, inservice deaths, and discharges to civil life.

Estimates for World War I were computed by applying appropriate survival rates to the 1918 distribution of World War I participants by year of age based on records of 3.7 million War Risk Insurance applications (The Medical Department of the U.S. Army..., cited above).

For World War II, the Korean conflict, the Vietnam era, and service between the Korean conflict and Vietnam era, the estimates were derived from Armed Forces data on the number of persons returned to civil life less Veterans Administration estimates of deaths and less the number who reenlisted from civil life.

Data on the Regular Establishment include only former members of the peacetime forces receiving disability compensation or pension from the Veterans Administration or predecessor agencies.

The following periods are covered by the specified wars for determining veterans status:

War of 1812—June 18, 1812, through February 17, 1815
Mexican War—April 25, 1846, through May 30, 1848
Civil War—April 12, 1861, through April 13, 1865
Indian wars—1817 through 1898 (approximately)
Spanish-American War—April 21, 1898, through July 4, 1902
(includes the war with Spain, Boxer Rebellion, and Philippine Insurrection. For persons serving in the Moro Province, hostilities ended July 15, 1903)

World War I—April 6, 1917, through November 11, 1918 (for persons serving in Russia, the war ended April 1, 1920) World War II—September 16, 1940, through July 25, 1947 Korean conflict—June 27, 1950, through January 31, 1955 Service between Korean conflict and Vietnam era—February 1, 1955, through August 4, 1964

Vietnam era-service after August 4, 1964

Y 971-983. Expenditures of Veterans Administration and predecessor agencies from appropriated funds, by period of service, 1790-1970.

Source: U.S. Veterans Administration. Original data are taken from annual reports of the Administrator of Veterans Affairs, Veterans Bureau, Bureau of Pensions, National Home for Disabled Volunteer Soldiers, and records of the Veterans Administration.

The data pertain to expenditures from appropriated funds (see text for series Y 984-997) for veterans and their dependents through June 30, 1970. Thus, they include expenditures for pensions since 1790 and for care in the National Homes (now Veterans Administration domiciliaries) since 1867. Grants-in-aid for the care of veterans in State homes were first made in 1889 and are included thereafter.

Expenditures on behalf of World War I veterans, made originally as allowances for the dependents of enlisted men in the Armed Forces, compensation for death and disability, medical care and treatment, vocational rehabilitation and training, and insurance against death or permanent disability, are included since October 1917. Subsequent adjustments of benefits for World War I veterans and for veterans of the earlier wars (e.g., extension of hospital benefits) are reflected in the ensuing years. Expenditures for World War II veterans began in 1941, and for veterans of the Korean conflict in 1951.

Trust and working fund expenditures (e.g., the U.S. Government Life and National Service Life Insurance Trust Funds, the Adjusted Service Certificate Trust Fund, and the General Post Fund) are excluded; transfers from appropriations to the insurance trust funds, however, are included. Also excluded are expenditures made by

other Federal and State agencies (e.g., unemployment compensation paid to Korean conflict veterans by the Department of Labor, expenditures for retirement pay by the Department of Defense, and bonus payments made by State governments).

Of the \$174.8 billion in total expenditures through 1970, \$139.0 billion (79 percent) was directly allocated by war. The distribution of the remaining expenditures was estimated. Therefore, the figures are subject to a varying and unknown degree of error. For example, variations in average hospital costs between wars, or unusual administrative workloads are not reflected in the distribution factors used.

Y 984-997. Expenditures for veterans benefits and services by Veterans Administration and predecessor agencies, 1790-1970.

Source: U.S. Veterans Administration, Annual Report of the Administrator of Veterans Affairs, various issues, and unpublished data.

Data are based on checks paid through December 31, 1947, and on vouchers approved for payment thereafter. The data are gross, since they include expenditures made from amounts earned (in the form of reimbursements) by the various accounts. Expenditures from revolving funds are also gross, i.e., receipts have not been netted out of these funds except in minor instances noted elsewhere. Accordingly, these data do not agree with those reported in the statements of the Treasury Department and the Bureau of the Budget.

Y 984, total expenditures. This series measures the gross cost of benefits and services (including capital expenditures and administrative costs) provided veterans and their beneficiaries, irrespective of the source of funds. Included are expenditures from general and special funds appropriated by the Congress, revolving and management funds authorized to finance a continuing cycle of operations using receipts derived from these operations, and trust funds held by the Government for the benefit of veterans and their beneficiaries. Transfers from appropriations to insurance trust funds, from which the actual expenditures are made, are not included in the total, in order to avoid duplication. Expenditures from the Veterans Administration Revolving Supply Fund, established July 1, 1954, also are excluded from the total, since these amounts generally duplicate expenditures made by Veterans Administration administrative appropriations for supplies, equipment, and certain services procured through the fund.

Y 985, compensation and pensions. Data represent total expenditures less refund of overpayments.

Y 986, insurance and servicemen's indemnities. Data include direct payments to beneficiaries from insurance appropriations, servicemen's indemnities, and benefits and dividends paid from insurance trust funds. Some noncash transactions (e.g., interest credited to dividends left on deposit) also are included as expenditures from the trust funds. Transfers from appropriations to the insurance trust funds, from which the benefit payments are made, are not included in these amounts. Beginning fiscal year 1949, the reporting of expenditures from the U.S. Government Life Insurance and National Service Life Insurance trust funds was changed from a net to a gross basis. This resulted in an understatement in varying amounts for prior years. The cumulative differences for the prior years between the net figures and what the figures would have been on a gross basis have been added in a lump sum to the 1948 figures. This adjustment amounted to \$295,651,000.

Y 987, education and training. This series includes subsistence allowances, tuition, supplies, and equipment of veterans training under Public Law 346, education and training allowances to veterans training under Public Law 550, veterans and servicemen training under Public Law 89-358, and educational assistance for dependents and survivors of totally disabled or deceased veterans under Public Laws 634, 88-361, and 90-631.

Y 988, vocational rehabilitation. Data include subsistence allowances, tuition, supplies, and equipment of veterans training under Public Laws 16, 894, and 87-815, and vocational rehabilitation allowances for World War I veterans.

Y 989-1027 GOVERNMENT

Y 989, unemployment and self-employment allowances. Includes allowances to World War II veterans to assist in their readjustment to civilian employment. Similar allowances paid to Korean conflict and Vietnam veterans by the Department of Labor are excluded.

Y 990, loan guaranty. Includes payments on defaulted loans, and the cost of property and securities acquired. The amounts are gross and do not reflect the cost of the loan guaranty program to the Government. Refunds and recoveries on claims paid returned to the general fund and deposits to the loan guaranty revolving fund amounted to \$2.9 billion through June 30, 1970. Other losses of the program are subject to further recovery from the liquidation of securities and repayments by borrowers.

Y 991, direct loans. Includes direct mortgage loans and advances to veterans, interest expenses on capital borrowed from the U.S. Treasury, and other expenses (excluding Veterans Administration administrative expenses) of the direct loan program. Expenditures are gross and do not reflect the cost of this program to the Government. Through June 30, 1970, receipts paid into the direct loan fund amounted to \$3.1 billion, bringing net expenditures to \$108 million. This will be further reduced, as the program matures, by payments of interest and principal by borrowers.

Y 992, miscellaneous benefit payments. Includes statutory burial allowances; expenditures not classified as to purpose from the compensation and pensions appropriation; automobiles and other conveyances for disabled veterans; specially adapted homes for paraplegic veterans; payments to participants in the yellow fever experiments; military and naval family allowances of World War I veterans; marine and seamen's insurance in World War I; adjusted service compensation (World War I bonus); General Post Fund expenditures; withdrawals of the personal funds of patients held by the Veterans Administration as banker and funds due incompetent beneficiaries; soldiers' and sailors' civil relief; and the vocational rehabilitation revolving fund. These expenditures are gross with the exceptions of soldiers' and sailors' civil relief and the vocational rehabilitation revolving fund, which are on a net basis.

Y 993, medical, hospital, and domiciliary services. Figures include expenditures for hospital nursing bed care, and domiciliary care, out-patient medical and dental treatment, medical research, and related costs; appropriations to the Canteen Service Revolving Fund; and grants to the Republic of the Philippines for medical care and treatment of veterans. Beginning 1921, the data are estimated. Prior to July 1, 1879, the fiscal year of the National Home for Disabled Volunteer Soldiers ended on various dates. For this period, the data have been proportionately adjusted by the Veterans Administration to reflect expenditures for years ending June 30.

Y 994, hospital and domiciliary facilities. These data include expenditures for the construction and equipping of hospitals and domiciliary facilities, and major alterations, improvements, and repairs thereof; grants to the Republic of the Philippines for the construction and equipping of a hospital; grants for construction of State extended care facilities; expenditures from funds allotted under the National Recovery Act of 1933 and Public Works Administration Act of 1938; and \$436,623,692 transferred to the Department of the Army, Corps of Engineers, for the construction of hospitals.

Y 995, administration and other benefits. Includes expenses for vocational counseling of veterans, beneficiary travel for certain programs, reporting allowances paid schools for certifying the attendance of veteran trainees, private laws for relief, and all administrative salaries and expenses.

Y 996-997, expenditures from general and special fund appropriations. Series Y 996 represents expenditures from appropriations made by the Congress to finance the general and ordinary operations of the Veterans Administration and predecessor agencies. The figures differ from amounts shown under total expenditures (series

Y 984) after 1917 in that they do not include expenditures from trust funds, working funds, and deposit funds. Transfers from appropriations to insurance trust funds (series Y 997) are included in the figures for series Y 996.

Y 998-1009. Veterans pensions and compensation—number of veterans and expenditure, by type, 1866-1970.

Source: U.S. Veterans Administration, records. Data were compiled from various annual reports of the Administrator of Veterans Affairs, and of the Commissioner of Pensions.

The basic distinction between pension and compensation is that pension is a benefit payable for total and permanent disability or death which is not attributable to the veteran's military service. Compensation is payable for the disability or death resulting from injury or disease incurred in, or aggravated by, military service. In the series relating to death benefits, the number of veterans refers to the number of deceased veterans whose dependents are receiving benefits, rather than to the number of dependents in receipt of such benefits; the data on expenditures refer to the amount received by these dependents. In the disability cases, the data refer to the number of veterans, and the amount of money paid to these veterans in the form of retirement pay administered by the Veterans Administration or its predecessor agencies.

For 1866-1890, separate data are not available for the death and disability series. Likewise, information is not available which would permit a separation of the data on the pensions and compensation earned for military service prior to 1904. As a result, all data on veterans of the Spanish-American and earlier wars have been arbitrarily included in the pension series.

The compensation data refer (with the qualifications as noted above for the series on deaths) to the number of, or expenditures paid to, veterans of the Regular Establishment, World War I, World War II, the Korean conflict, and Vietnam. Data on these veterans were first included in 1904, 1918, 1942, 1951, and 1965, respectively.

Y 1010-1027. Patients receiving hospital or domiciliary care authorized by Veterans Administration, 1921-1970.

Source: U.S. Veterans Administration, Annual Report of the Administrator of Veterans Affairs, various issues, and unpublished data.

These data do not in all cases agree with information previously published in some of the earlier annual reports of the Veterans Administration. Revisions were made to adjust some of the data for earlier years for comparability with current data.

The data for admissions is by type of patient; through 1960 neurological patients were included with neuropsychiatric, thereafter with general. Tuberculosis patients are included with general.

The data for all veterans receiving hospital care (series Y 1014) and veterans with service-connected disabilities (series Y 1019) are identical prior to 1925. The act which made Veterans Administration hospital care available to veterans with nonservice-connected disability was passed in 1924, and it was not until 1925 that such patients were admitted to Veterans Administration hospitals.

Data for veterans receiving hospital care for service-connected disabilities (series Y 1019–1022) exclude those veterans with service-connected disabilities who are being treated for nonservice-connected ailments.

Series Y 1018 shows the number of nonveteran patients in Veterans Administration hospitals. This group of patients is made up for the most part of persons still in the military service who have not yet attained veteran status, and cases admitted to Veterans Administration hospitals for humanitarian reasons.

Domiciliary care was provided by the National Homes for Disabled Volunteer Soldiers through July 30, 1930; later, it was provided by other agencies. The number of veterans in State homes receiving domiciliary care (series Y 1025) is shown because the Veterans Administration contributes to the support of veterans cared for in approved State homes who would be eligible for admission to Veterans Administration domiciliaries.

Y 1028-1031. Government life insurance administered by Veterans Administration—number of policies, income received, and benefits paid. 1921-1970.

Source: U.S. Veterans Administration, Annual Report of the Administrator of Veterans Affairs, various issues, and unpublished data.

The U.S. Government, through the Veterans Administration, operates two life insurance programs for veterans and servicemen. The insurance program which had its origin in World War I is known as U.S. Government Life Insurance (USGLI); and the program which had its inception in 1940 is called National Service Life Insurance (NSLI). The administrative expenses of these programs are borne by the U.S. Government. All USGLI is participating (that is, entitled to dividends from any earnings). This program was closed to new issues effective April 25, 1951. All NSLI issued prior to April 25. 1951, with some minor exceptions, is participating and entitled to dividends. This type of insurance also was closed to new issues in 1951. Veterans separated from military service without a serviceconnected disability on or after April 25, 1951, and before January 1, 1957, could apply for nonparticipating NSLI on the 5-year nonconvertible term plan only. Conversion to permanent plans was made available in 1959. This insurance is known as Veterans Special Life Insurance.

Veterans separated with a service-connected disability on or after April 25, 1951, are eligible to apply, within one year after service-connection is established, for permanent plan or term policies. This insurance is known as service-disabled veterans insurance.

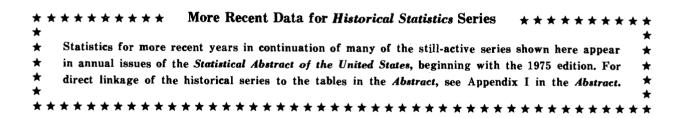
In 1964 Congress enacted legislation which provided for a limited reopening of NSLI for a period of one year beginning May 1, 1965, to qualifying disabled veterans. To qualify they must have been eligible to buy National Service Life Insurance between October 8, 1940, and January 1, 1957, and have had either (1) a service-connected disability or (2) a nonservice disability, or a combination of service

and nonservice disabilities so serious that they could not obtain commercial insurance at the highest rates. This insurance is known as Veterans Reopened Insurance.

The maximum amount of all Government insurance for veterans is \$10,000 on one life. Excluded from these series are data on the Servicemen's Indemnity program, which was in effect from June 27, 1950, to January 1, 1957. This program provided free life insurance in the amount of \$10,000 (less any USGLI or NSLI in force) while in military service and for 120 days thereafter.

Income received (series Y 1030) includes: (1) Premiums received from policy holders for insurance and disability income benefits, including premiums waived because of disability, (2) advances from Congressional appropriations to the service-disabled veterans insurance fund, (3) interest on investments in U.S. Treasury Certificates of Indebtedness and in U.S. Treasury notes, (4) interest on policy loans and on premiums paid in arrears, (5) dividends credited to insureds or deposited to accumulate at interest, and (6) reimbursements from the U.S. Government as the Government's contribution for death and disability claims due to the extra hazards of military or naval service, for gratuitous insurance, and for other obligations.

Benefits paid (series Y 1031) include: (1) The actual cash payments to beneficiaries of deceased insureds, (2) cash payments to insureds under the total and permanent disability provisions of USGLI policies, (3) monthly income payments under total disability income provisions of USGLI and NSLI policies issued before April 25, 1951, (4) premiums waived for total disability, (5) cash surrender values paid on contracts surrendered, (6) payments on matured endowment policies, (7) dividends paid and dividends previously credited or left on deposit and later withdrawn, (8) interest added on dividend credits and deposits, (9) adjustments in policy liens, receivables, and overpayments waived, (10) transfers to U.S. Government in the Veterans Special Life Insurance program, and (11) administrative costs in the Veterans Reopened Insurance program.



Series Y 849-855. Estimates of Total Cost of U.S. Wars

In millions of dollars, except percent

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	Estimated	Original	v	eterans' benefit	:8	Estimated payments of	
War	total war costs	war costs 1	Total costs under pres- ent laws ²	Percent of original war costs	Total costs to 1970	Total	Percent of original war costs
	849	850	851	852	853	854	855
Vietnam conflict 3 Korean conflict World War II	352,000 164,000 664,000	110,000 54,000 288,000	4 220,000 99,000 290,000	4 200 184 100	2,461 15,016 87,445	\$ 22,000 11,000 86,000	⁵ 20 20 30
World War I	112,000 6,460 12,952	26,000 400 3,200	75,000 6,000 8,580	290 1,505 260	45,585 5,436 8,570	11,000 60 1,172	42 15 37
Mexican War War of 1812 American Revolution	147 158 190	73 93 100	64 49 70	88 53 70	64 49 70	10 16 2 0	14 17 20

Medium estimate, 20 percent of original cost _______ 22.0
Total, medium estimate ______ 352.0

4 Medium-level estimate of 200 percent (high, 300; low, 100) based on figures expressing relationship of veterans' benefits payments to original costs of other major U.S. wars.

5 Medium-level estimate of 20 percent (high, 30; low, 10) based on figures showing interest payments on war loans as percentage of original costs of other major U.S.

Series Y 856-903. Selected Characteristics of the Armed Forces, by War

Series No.	Characteristic	Civil War (Union forces only)	Spanish- Ameri- can War	World War I	World War II	Korean conflict	Series No.	Characteristic	Civil War (Union forces only)	Spanish- Ameri- can War	World War I	World War II	Korean conflict
856 857 858 859 860 861	Military personnel 1,000 Army 1,000 Air Force 1,000 Marines 1,000 Coast Guard 1,000	2,213 2,129 } 84	281	4,744 4,057 599 79 9	16,354 11,260 4,183 669 241	2,834 1,285 1,177	883 884	Annual rate per 1,000 average strength: Total deaths Battle deaths Other deaths	104.4 40.1 64.8	(NA)	35.5 17.1 18.4	11.6 8.6 3.0	8.4
862 863 864 865 866 867	Draftees: 1,000 Classified 1,000 Examined 1,000 Rejected 1,000 Inducted 1,000 Average duration of service months Officers months Enlisted months	522 160		3,764 803 2,820	33	3,685 1,189 1,560 19	886 887 888 889	Army: Admissions for care, all causes: Number1,000 Annual rate per 1,000 average strength Noneffectiveness, total: Man-days lost 1,000 Daily rate per 1,000 average strength	6,455 2,478 (NA)	ł I	4,039 978 86,947 57.7	704 413,393	511 49,810
869 870	Overseas service: Percent of total who served overseas Average months served overseas 1	(NA) (NA)	29 1.5	53 5.5	73 16.2	56	890 891	Wounded who died sub- sequentlypercent Annual nonbattle death rate per 1,000 average strength	13.3 68.7	6.3	8.1 15.4	4.5 8.0	2.6
871 872 873 874 875 876 877 878	Occupation of enlisted personnel percent Technical and scientific percent Administrative and clerical percent Mechanics and repairmen percent Service workers percent Operators and laborers percent Military-type occupations, not elsewhere classified percent percent Service workers percent Compared to the compa	100.0 0.2 0.7 0.1 0.5 2.4 2.9	0.5 3.1 1.0 .1 6.5	3.7 8.0 8.5 13.0 12.5 20.2		12.7 18.1 15.3 4.7 12.4 6.5	892 893 894 895 896 897	Admissions for care, all causes: Number1,000_ Annual rate per 1,000 a verage strength Noneffectiveness, total: Man-days lost 1,000_ Daily rate per 1,000 a verage strength Wounded who died subsequentlypercent_ Annual nonbattle death rate per 1,000 average strength	(NA) (NA) (NA) (NA) (NA) (NA)	25 1,038 248 28.3 5.9	1,073 1,024 12,705 93.2 9.0	5,514 553 115,700 31.8 3.2 2.8	387 28,998 18.5
879 880 881 882	Casualties, number: Total deaths Battle deaths Other deaths Wounds not mortal	364,511 140,414 224,097	2,446 385 2,061	116,516 53,402 63,114	405,399 291,557 113,842	54,246 33,629 20,617	898 899 900	Military pay (current dol.): Basic pay (annual rate): All personneldollars Officersdollars Enlisteddollars. Pay and allowances (annual rate): All personneldollars Officersdollars Enlisteddollars	281 717 202 510 1,912 427	205 528 2,489	510 2,141 417 968 2,698 870	1,017 2,442 856 1,811 3,777 1,587	1,776 4,453 1,473 2,940 6,284 2,584

NA Not available.

¹ During hostilities only.

² Army personnel only.

¹Based on expenditures of Departments of the Army and Navy to World War I and major national security expenditures thereafter. Usually the figures begin with the year the war began but in all cases they extend one year beyond the end of the actual conflict.

²To World War I, estimates are based on Veterans Administration data. For World War II, world War II, and Korean conflict, estimates are those of the 1956 report of the President's Commission on Veterans' Pensions plus 25 percent (the increase in the average value of benefits since the Commission made its report).

³Estimates based on assumption that war would end by June 30, 1970 (except for veterans' benefit costs to 1970). Occupation costs not included. Background data:

Series Y 904-916. Military Personnel on Active Duty: 1789 to 1970

[As of June 30, beginning 1878 for Army, 1900 for Navy, and 1798 for Marine Corps. For prior years, the month for which most complete records were available was used]

· · · · · · · · · · · · · · · · · · ·	Grand		Army			Air Fo	ree 2		Navy		N	farine Corps	,
Year	total 1	Total	Officers	Enlisted	Total	Officers	Enlisted	Total	Officers	Enlisted	Total	Officers	Enlisted
	904	905	906	907	908	909	910	911	912	913	914	915	916
1970 3	3,066,294 3,460,162 3,547,902 3,376,880 3,094,058	1,512,169 1,570,343 1,442,498	166,721 172,590 166,173 148,517 117,786	1,404,170 1,298,981	791,349 862,353 904,850 897,494 887,353	129,803 135,476 139,691 135,485 130,724	726 877	692,660 775,869 765,457 751,619 745,205	80,761 85,199 85,425 81,902 79,805	611,899 690,670 680,032 669,717 665,400	259,737 309,771 307,252 285,269 261,716	24,941 25,698 24,555 23,592 20,512	284,796 284,078 282,697 261,677 241,204
1965 1964 1963 1962 1961	2,655,389 2,687,409 2,699,677 2,807,819 2,483,771	969,066 973,238 975,916 1,066,404 858,622	110,870 108,302 116,050	856,946 862,368 867,614 950,354 758,701	824,662 856,798 869,431 884,025 821,151	131,578 133,389 133,763 134,908 128,793	693,084 723,409 735,668 749,117 692,358	671,448 667,596 664,647 666,428 627,089	77,866 76,400 75,549 75,302 69,981	593,582 591,196 589,098 591,126 557,108	190,213 189,777 189,683 190,962 176,909	17,258 16,843 16,737 16,861 16,132	172,955 172,934 172,946 174,101 160,777
1960 1959 1958 1957 1956	2,476,435 2,504,310 2,600,581 2,795,798 2,806,441	873,078 861,964 898,925 997,994 1,025,778	101,236 101,690 104,716 111,187 118,364	771,842 760,274 794,209 886,807 907,414	814,752 840,435 871,156 919,835 909,958	129,689 181,602 132,939 140,563 142,093	685,063 708,833 738,217 779,272 767,865	617,984 626,340 641,005 677,108 669,925	69,559 69,795 71,560 73,703 71,770	548,425 556,545 569,445 603,405 598,155	170,621 175,571 189,495 200,861 200,780	16,203 16,065 16,741 17,434 17,809	154,418 159,506 172,754 183,427 182,971
1955 1954 1953 1952 1951	2,935,107 3,802,104 3,555,067 3,635,912 3,249,455	1,596,419	121,947 128,208 145,633 148,427 4130,540	987,349 1,276,390 1,388,182 1,447,992 1,401,234	959,946 947,918 977,593 983,261 788,381	137,149 129,752 130,769 128,742 107,099	846,824 854,519	660,695 725,720 794,440 824,265 736,680	74,527 77,280 81,731 82,247 70,513	586,168 648,440 712,709 742,018 666,167	205,170 223,868 249,219 231,967 192,620	18,417 18,593 18,731 16,413 15,150	186,753 205,275 230,488 215,554 177,470
1950 1949 1948 1947 1947	1,460,261 1,615,360 1,445,910 1,582,999 3,030,088	593,167 660,473 554,030 991,285 1,891,011	72,566 77,272 68,178 132,504 267,144	520,601 583,201 485,852 858,781 1,623,867	411,277 419,347 387,730	57,006 57,851 48,957	354,271 361,496 338,773	381,538 449,575 419,162 498,661 983,398	44,641 47,975 45,416 52,434 141,161	336,897 401,600 373,746 446,227 842,237	74,279 85,965 84,988 93,053 155,679	7,254 7,250 6,907 7,506 14,208	67,025 78,715 78,081 85,547 141,471

	Grand		Army			Navy			Marine Corps	
Year	total ¹	Total	Officers	Enlisted	Total	Officers	Enlisted	Total	Officers	Enlisted
	904	905	906	907	911	912	913	914	915	916
1945	12,123,455	8,267,958	891,663	7,376,295	3,380,817	331,379	3,049,438	474,680	37,067	437,613
1944	11,451,719	7,994,750	776,980	7,217,770	2,981,365	276,153	2,705,212	475,604	32,788	442,816
1943	9,044,745	6,994,472	579,576	6,414,896	1,741,750	179,676	1,562,074	308,523	21,384	287,139
1942	3,858,791	3,075,608	206,422	2,869,186	640,570	69,564	571,006	142,613	7,138	135,475
1941	1,801,101	1,462,315	99,536	1,362,779	284,427	29,092	255,335	54,359	3,339	51,020
1940	458,365	269,023	18,326	250,697	160,997	13,604	147,393	28,345	1,800	26,545
	334,473	189,839	14,486	175,353	125,202	12,023	113,179	19,432	1,380	18,052
	322,932	185,488	13,975	171,513	119,088	10,739	108,349	18,356	1,359	16,997
	311,808	179,968	13,740	166,228	113,617	10,367	103,250	18,223	1,312	16,911
	291,356	167,816	13,512	154,304	106,292	10,247	96,045	17,248	1,208	16,040
1935	251,799	139,486	13,471	126,015	95,053	10,115	84,938	17,260	1,163	16,097
1934	247,137	138,464	13,761	124,703	92,312	9,972	82,340	16,361	1,187	15,174
1933	243,845	136,547	13,896	122,651	91,230	9,947	81,283	16,068	1,192	14,876
1932	244,902	134,957	14,111	120,846	93,384	9,967	83,417	16,561	1,196	15,365
1931	252,605	140,516	14,159	126,357	93,307	9,849	83,458	18,782	1,196	17,586
1930	255,648	139,378	14,151	125,227	96,890	9,540	87,350	19,380	1,208	18,172
1929	255,031	139,118	14,047	125,071	97,117	9,434	87,683	18,796	1,181	17,615
1928	250,907	136,084	14,019	122,065	95,803	9,401	86,402	19,020	1,198	17,822
1927	248,943	134,829	14,020	120,809	94,916	9,440	85,476	19,198	1,198	18,000
1926	247,396	134,938	14,143	120,795	93,304	9,091	84,213	19,154	1,178	17,976
1925	251,756	137,048	14,594	122,454	95,230	8,918	86,312	19,478	1,168	18,310
1924	261,189	142,673	13,784	128,889	98,184	8,651	89,533	20,332	1,157	19,175
1923	247,011	133,243	14,021	119,222	94,094	8,410	85,684	19,674	1,141	18,533
1922	270,207	148,763	15,667	133,096	100,211	8,334	91,877	21,233	1,135	20,098
1921	386,542	230,725	16,501	214,224	132,827	9,979	122,848	22,990	1,087	21,903
1920	343,302	204,292	18,999	185,293	121,845	10,642	111,203	17,165	1,104	16,061
1919	1,172,602	851,624	91,975	759,649	272,144	19,357	252,787	48,834	2,270	46,564
1918	2,897,167	2,395,742	130,485	2,265,257	448,606	23,631	424,975	52,819	1,503	51,316
1917	643,833	421,467	34,224	387,243	194,617	8,383	186,234	27,749	776	26,973
1917	179,376	108,399	5,175	103,224	60,376	4,022	56,354	10,601	348	10,253
1915	174,112	106,754	4,948	101,806	57,072	3,593	53,479	10,286	338	9,948
1914	165,919	98,544	5,033	93,511	56,989	3,406	53,583	10,386	336	10,050
1913	154,914	92,756	4,970	87,786	52,202	3,273	48,929	9,956	331	9,625
1912	153,174	92,121	4,775	87,346	51,357	3,074	48,283	9,696	337	9,359
1911	144,846	84,006	4,585	79,421	51,230	2,886	48,344	9,610	328	9,282
1910	139,344	81,251	4,535	76,716	48,533	2,699	45,834	9,560	328	9,232
1909	142,200	84,971	4,299	80,672	47,533	2,630	44,903	9,696	328	9,368
1908	128,500	76,942	4,047	72,895	42,322	2,463	39,859	9,236	283	8,953
1907	108,375	64,170	3,896	60,274	36,119	2,238	33,881	8,086	279	7,807
1906	112,216	68,945	3,989	64,956	35,053	2,133	32,920	8,218	278	7,940
1905	108,301	67,526	4,034	63,492	33,764	2,079	31,685	7,011	270	6,741
1904	110,129	70,387	3,971	66,416	32,158	2,014	30,144	7,584	255	7,329
1908	106,043	69,595	3,927	65,668	29,790	1,893	27,897	6,658	213	6,445
1902	111,145	81,275	4,049	77,226	23,648	1,822	21,826	6,222	191	6,031
1901	112,322	85,557	3,468	82,089	20,900	1,742	19,158	5,865	171	5,694
1900	125,923	101,713	4,227	97,486	18,796	1,683	17,113	5,414	174	5,240
1899	100,166	80,670	3,581	77,089	16,354	1,588	14,766	3,142	76	3,066
1898	235,785	209,714	10,516	199,198	22,492	1,432	21,060	3,579	98	3,481
1898	43,656	27,865	2,179	25,686	11,985	1,399	10,586	3,806	71	3,735
1897	41,680	27,375	2,169	25,206	12,088	1,425	10,663	2,217	72	2,145

See footnotes at end of table.

GOVERNMENT

Series Y 904-916. Military Personnel on Active Duty: 1789 to 1970—Con.

	Grand		Army			Navy			Marine Corps	
Year	total 1	Total	Officers	Enlisted	Total	Officers	Enlisted	Total	Officers	Enlisted
	904	905	906	907	911	912	913	914	915	916
1895	42,226	27,495	2,154	25,341	11,846	1,412	10,434	2,885	71	2,814
1894	42,101	28,265	2,146	26,119	11,460	1,405	10,055	2,376	67	2,309
1898	39,492	27,830	2,158	25,672	9,529	1,486	8,043	2,133	63	2,070
1892	38,677	27,190	2,140	25,050	9,448	1,468	7,980	2,039	66	1,973
1891	37,868	26,468	2,052	24,411	9,247	1,510	7,787	2,158	66	2,092
1890	38,666	27,373	2,168	25,205	9,246	1,489	7,757	2,047	61	1,986
	39,452	27,759	2,177	25,582	9,921	1,530	8,391	1,772	54	1,718
	39,035	27,019	2,189	24,830	10,115	1,528	8,587	1,901	72	1,829
	38,763	26,719	2,200	24,519	10,113	1,542	8,571	1,931	61	1,870
	38,636	26,727	2,102	24,625	9,909	1,549	8,360	2,000	66	1,934
1885	39,098	27,157	2,154	25,003	10,057	1,611	8,446	1,884	65	1,819
	39,400	26,666	2,147	24,519	10,846	1,660	9,186	1,888	66	1,822
	37,278	25,652	2,148	23,509	9,842	1,819	8,023	1,784	60	1,724
	37,850	25,811	2,162	23,649	10,170	1,911	8,259	1,869	63	1,806
	37,845	25,842	2,181	23,661	10,101	1,866	8,235	1,902	70	1,832
1880	37,894	26,594	2,152	24,442	9,361	1,713	7,648	1,939	69	1,870
1879	38,022	26,601	2,127	24,474	9,453	1,695	7,758	1,968	62	1,906
1878	36,444	26,023	2,158	23,870	8,087	1,582	6,505	2,334	77	2,257
1878	34,094	24,140	2,177	21,963	8,057	1,591	6,466	1,897	73	1,824
1877	40,591	28,565	2,151	26,414	10,046	1,646	8,400	1,980	76	1,904
1875	38,105	25,513	2,068	23,445	10,479	1,571	8,908	2,113	76	2,037
1874	43,609	28,640	2,081	26,559	12,700	1,595	11,105	2,269	85	2,184
1873	43,228	28,812	2,076	26,736	11,654	1,655	9,999	2,762	87	2,675
1873	42,205	28,322	2,104	26,218	11,680	1,699	9,981	2,203	77	2,126
1872	42,288	29,115	2,105	27,010	10,610	1,702	8,908	2,518	74	2,439
1870	50,348	37,240	2,541	34,699	10,562	1,551	9,011	2,546	77	2,469
	51,632	36,953	2,700	34,253	12,295	1,649	10,646	2,384	70	2,314
	66,412	51,066	2,835	48,231	212,268	1,976	10,292	3,078	81	2,997
	74,786	57,194	3,056	54,138	14,081	1,801	12,280	3,511	73	3,438
	76,749	57,072	(NA)	(NA)	16,340	2,297	14,043	3,337	79	3,258
1865	1,062,848	1,000,692	(NA)	(NA)	58,296	6,759	51,537	3,860	87	3,778
1864	1,031,724	970,905	(NA)	(NA)	57,680	5,679	52,001	3,139	64	3,075
1863	960,061	918,354	(NA)	(NA)	38,707	4,209	34,498	3,000	69	2,931
1862	673,124	637,264	(NA)	(NA)	233,454	3,224	30,230	2,406	51	2,355
1861	217,112	186,845	(NA)	(NA)	27,881	1,114	26,767	2,386	48	2,338
1860	27,958 28,978 29,014 27,345 25,867	16,215 17,243 17,678 15,918 15,715	1,080 1,070 1,099 1,097 1,072	15,135 16,173 16,579 14,821 14,643	9,942 9,884 9,729 9,676 8,681	1,150 1,117 1,068 1,031 1,027	8,792 8,767 8,661 8,645 7,654	1,801 1,851 1,607 1,751 1,471	46 47 52 57	1,755 1,804 1,555 1,694 1,414
1855	26,402	15,911	1,042	14,869	8,887	1,236	7,651	1,604	52	1,552
1854	21,134	10,894	956	9,938	8,879	1,254	7,625	1,361	49	1,312
1853	20,667	10,572	961	9,611	8,841	1,250	7,591	1,254	49	1,205
1852	21,349	11,376	957	10,419	8,805	1,232	7,573	1,168	47	1,121
1851	20,699	10,714	944	9,770	8,792	1,246	7,546	1,193	43	1,150
1850	20,824	10,929	948	9,981	8,794	1,273	7,521	1,101	46	1,055
1849	23,165	10,744	945	9,799	11,345	1,282	10,063	1,076	46	1,030
1848	60,308	47,319	2,865	44,454	11,238	1,141	10,097	1,751	42	1,709
1848	57,761	44,736	22,863	241,878	11,193	1,126	10,067	1,832	75	1,757
1846	39,165	27,867	22,003	225,864	10,131	1,053	9,078	1,167	41	1,126
1845	20,726	8,509	826	7,683	11,189	1,095	10,094	1,028	42	986
	20,919	8,730	813	7,917	11,108	1,063	10,040	1,086	40	1,046
	20,741	9,102	805	8,297	210,555	1,055	9,500	1,084	48	1,041
	22,851	10,780	781	9,999	10,782	998	9,784	1,289	46	1,243
	20,793	11,319	754	10,565	8,274	940	7,334	1,200	44	1,156
1840	21,616	12,330	789	11,541	8,017	932	7,085	1,269	46	1,223
	19,317	10,691	749	9,942	7,676	922	6,754	950	34	916
	17,948	9,197	717	8,480	7,656	847	6,809	1,095	28	1,067
	22,462	12,449	873	11,576	8,452	801	7,651	1,561	37	1,524
	16,874	9,945	857	39,088	5,588	787	4,801	1,341	43	1,298
1835	14,311	7,337	680	6,657	5,557	756	4,801	1,417	68	1,349
	13,396	7,030	669	6,361	5,451	695	4,756	915	46	869
	12,895	6,579	666	5,913	5,420	664	4,756	896	43	853
	12,478	6,268	659	5,609	5,312	642	4,670	898	38	860
	11,173	6,055	613	5,442	4,303	612	3,691	815	35	780
1830 1829 1828 1828 1827	11,627 11,586	6,122 6,332 5,702 5,885 5,989	627 608 540 546 540	5,495 5,724 5,162 5,339 5,449	4,929 4,869 4,797 4,796 4,762	615 555 506 505 471	4,314 4,314 4,291 4,291 4,291	891 895 932 946 835	37 43 40 43 39	854 852 892 903 796
1825 1824 1828 1823 1822 1821	11,089 11,008 10,871 9,863 10,587	5,903 5,973 6,117 5,358 5,773	562 532 525 512 547	5,341 5,441 5,592 4,846 5,226	4,405 4,095 24,053 8,774 3,935	505 531 553 534 484	3,900 3,564 3,500 3,240 3,451	781 940 701 731 879	35 50 20 23 35	746 890 681 708 844
1820		10,554 8,506 8,155 8,446 10,231	696 705 697 647 735	9,858 7,801 7,458 7,799 9,496	3,988 ² 4,068 ² 5,545 ² 5,494 ² 6,040	537 568 545 494 500	3,451 3,500 5,000 5,000 5,540	571 685 560 666 472	19 21 24 14 21	552 664 536 652 451
1815	40,885	33,424	2,272	31,152	6,773	581	6,242	688	8	680
	46,858	38,186	2,271	35,915	28,024	524	7,500	648	11	637
	25,152	19,086	1,476	17,560	25,525	525	5,000	591	12	579
	12,631	6,686	299	6,387	5,452	442	5,010	493	10	483
	11,528	5,608	396	5,212	5,364	454	4,910	556	14	542

1142

Series Y 904-916. Military Personnel on Active Duty: 1789 to 1970—Con.

	Grand		Army			Navy			Marine Corps	
Year	total 1	Total	Officers	Enlisted	Total	Officers	Enlisted	Total	Officers	Enlisted
	904	905	906	907	911	912	913	914	915	916
1810 1809 1808 1807 1806	11,554 12,375 8,200 5,323 4,076	5,956 6,977 5,712 2,775 2,653	441 533 327 146 142	5,515 6,444 5,385 2,629 2,511 2,570	25,149 24,875 1,616 22,145 1,105 23,191 22,200	450 450 191 191 191	4,699 4,425 1,425 1,954 914 3,000	449 523 872 403 318	9 10 11 11 11 22	440 513 861 392 307 556
1804 1803 1802 1801	6,498 5,323 4,528 5,432 7,108	2,729 2,734 2,486 2,873 4,051	216 174 175 248	2,570 2,518 2,312 2,698 3,803	22,200 21,700 22,200 22,700	200 200 200 200	2,000 1,500 2,000 2,500	389 342 359 357	22 25 25 29 38	364 317 330 319
1800 1799 1798 1798 1795 1794	(NA) (NA) (NA) 5,296 5,669 718	(NA) (NA) (NA) 3,440 3,813 718	(NA) (NA) (NA) 212 2235 46	(NA) (NA) (NA) 3,228 3,578 672	25,400 22,200 21,856 21,856 21,856	400 200 150 150 150	5,000 2,000 1,706 1,706 1,706	525 368 83	38 25 25	487 343 58

Series Y 917-926. Classification of Selective Service Registrants: 1940 to 1970

[In thousands. Data for 1940-1947 are for varying dates and age groups, as noted, and refer to conterminous United States; totals include classes not shown separately. Data for 1948-1970 are as of December 31 and include Puerto Rico and outlying areas]

	<u> </u>		Classi	fication status	of registrants,	181/2 to 26 yes	ars old			
Year	Total	Class I: Available for military service	Class IV: Conscien- tious objectors	Class I: Fulfilling military obligation	Class IV: Completed military obligation	Class II and III: Deferred	Class IV: Exempted	Class IV: Disqualified for military service	Unclassified	Inducted
	917	918	919	920	921	922	923	924	925	926
1970	22,705	2,596	28	3,504	3,801	6,151	130	5,959	587	163
	21,785	1,469	16	3,885	3,308	6,971	130	5,583	425	284
	20,829	1,446	13	3,887	2,946	6,798	126	5,189	424	296
	19,901	1,412	11	3,802	2,672	6,578	121	4,909	396	228
	18,971	1,165	9	3,733	2,521	6,091	115	4,988	350	382
1965	17,968	1,485	10	3,167	2,399	5,830	103	4,640	334	231
1964	16,835	2,006	11	2,856	2,304	4,899	95	4,149	514	112
1963	16,027	1,743	8	2,645	2,243	3,613	82	3,593	2,101	119
1962	15,410	2,298	10	2,543	2,175	2,534	79	3,598	2,174	82
1961	14,868	2,329	10	2,448	2,132	2,302	76	3,421	2,152	119
1960	14,057	2,287	9	2,180	2,191	2,014	70	3,315	1,992	87
1959	13,179	2,295	9	2,069	2,211	1,804	68	3,145	1,578	96
1958	12,376	2,132	8	2,037	2,231	1,607	67	2,936	1,859	142
1958	11,674	2,105	7	1,969	2,275	1,372	64	2,574	1,809	139
1956	11,087	1,904	6	1,903	2,281	1,361	63	2,293	1,275	152
1955	10,609	1,736	5	4,221	113	1,419	67	2,122	926	158
1954	10,157	1,564	5	4,219	255	1,439	70	1,992	612	253
1958	9,727	1,116	3	4,052	578	1,529	72	1,818	559	472
1952	8,993	1,117	5	3,364	1,253	1,483	75	1,532	164	488
1961	8,638	1,154	8	2,375	1,995	1,288	67	1,283	468	552
1950	9,239	1,402	12	870	2,699	1,236	50	907	2,063	220
1949	8,924	1,233	9	271	2,719	882	84	523	3,253	10
1948	8,946	501	5	47	213	212	17	234	7,718	20
1947	3,690	268	8	(NA)	(NA)	278	(NA)	2,217	(NA)	(NA)
1947	3,459	268	9	(NA)	(NA)	305	(NA)	2,261	(NA)	184
1945 3 1944 4 1943 4 1942 5 1941 6 1940 7	8,817 8,654 22,138 28,477 14,690 16,317	444 480 1,090 1,572 982	(NA) (NA) (NA) 11 6	6,228 5,803 8,970 5,778 974	(NA) 117 (NA) (NA) 99	809 841 8,560 15,690 10,760	(NA) (NA) (NA) 190 213	1,288 1,364 3,353 2,418 1,098	(NA) (NA) (NA) 2,820 558	946 1,592 3,324 3,088 924 19

NA Not available.

¹ Excludes Coast Guard.

² Included with Army prior to 1948. Includes Army personnel assigned to Air Force Command. See text.

Estimated.
 Includes 178 Navy medical officers on duty with the Army.

NA Not available.

¹ As of Apr. 1, ages 18-29. Excludes classes I-C (already in Armed Forces) and III-A (registrants having dependents).

² As of Dec. 2. See also footnote 1.

³ As of Dec. 1, ages 18-25.

⁴ As of Dec. 1, ages 18-37. ⁵ As of Dec. 31, ages 18-37. ⁶ As of Sept. 30, ages 21-35. ⁷ As of Oct. 20, ages 21-35.

Y 927-956 GOVERNMENT

Series Y 927-942. Disposition of Defendants Charged with Violation of Selective Service Acts: 1945 to 1970

			Not co	nvicted		Co	nvicted a	nd sentend	ed			Type of	sentence			
	Total			Acquit	ted by		Plea of	Convi	ted by		Im	prisonmer	it 1		Pro-	Average sentence of im-
Year	defend- ants	Total	Dis- missed	Court	Jury	Total	guilty or nolo con- tendere	Court	Jury	Total	1 year and 1 day and under 2	Over 1 year 1 day to 3 years	3-5 years	5 years and over	bation, fine, and other	prison- ment (in mo.)
	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942
1970	2,833 1,744 1,192 996 516	1,806 844 408 248 145	1,570 747 353 224 132	222 88 49 22 11	14 9 6 2 2	1,027 900 784 748 371	570 511 520 538 265	321 252 196 141 74	136 137 68 69 32	450 544 580 666 301	53 40 44 47 61	144 155 131 270 128	208 261 301 291 95	45 88 104 58 17	577 356 204 82 70	33 36 37 32 26
1965 1964 1963 1962 1961	341 276 338 274 244	99 70 73 49 45	88 63 66 46 37	8 6 7 2 8	3 1 - 1 -	242 206 265 225 199	197 161 212 182 160	28 32 46 31 33	17 13 7 12 6	189 146 189 164 141	64 46 79 58 45	90 77 65 75 59	30 22 36 28 35	5 1 9 3 2	53 60 76 61 58	21 21 22 22 22 28
1960 1959 1958 1957 1956	239 258 325 357 371	73 56 96 95 185	65 44 66 75 167	7 11 26 17 16	1 1 4 3 2	166 202 229 262 186	181 159 154 188 109	31 39 66 70 67	4 4 9 9 10	126 152 190 194 123	47 46 66 60 35	48 63 81 85 50	28 39 42 41 35	3 4 1 8 3	40 50 39 68 63	22 23 22 24 24
1955 1954 1953 1952 1951	719 822 630 561 368	430 398 285 248 212	367 278 236 222 202	57 116 39 16 6	6 4 10 10 4	289 424 345 313 156	157 194 185 160 105	106 185 129 97 24	26 45 31 56 27	217 356 280 272 123	54 78 61 58 35	105 137 101 77 87	47 126 84 97 29	11 15 34 40 22	72 68 65 41 33	25 26 29 31 30
1950	449 506 833 2,074 2,651 4,287	274 214 529 937 999 1,449	272 202 511 908 953 1,399	1 3 7 18 26 25	1 9 11 11 20 25	175 292 304 1,137 1,652 2,838	156 263 264 898 1,130 1,828	20 11 178 222 319	13 9 29 61 300 696	109 213 212 775 1,339 2,368	78 184 133 894 547 438	24 62 69 317 501 775	6 17 9 61 244 744	1 1 3 47 411	66 79 92 362 313 470	13 15 14 14 21 32

⁻ Represents zero.

¹ Includes sentences of more than 6 months which are to be followed by a term of probation (mixed sentences).

Series Y 943-956. Estimated Number of Veterans in Civil Life, by Age: 1865 to 1970

[In thousands. As of June 80. Includes all veterans of the Vietnam era, service between Korean conflict and the Vietnam era, Korean conflict, World War II, World War II, Spanish-American War, Civil War, Mexican War, and War of 1812, as well as those veterans of the Indian wars and former members of the Regular Establishment (peace-time) who were on the benefit rolls of Veterans Administration or predecessor agencies. Veterans who served in 2 or more wars prior to the Korean conflict are included 2 or more times; veterans who served in both World War II and the Korean conflict, and in the Vietnam era, Korean conflict, and World War II are included only once]

Year	Total, all ages	Under 20 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 39 years	40 to 44 years	45 to 49 years	50 to 54 years	55 to 59 years	60 to 64 years	65 to 69 years	70 years and over	Unknown
	943	944	945	946	947	948	949	950	951	952	953	954	955	956
1970 1969 1968 1967 1 9 66	27,647 26,925 26,273 25,805 25,534	24 18 24 31 39	1,693 1,527 1,282 1,095 1,100	2,628 2,361 2,193 2,149 2,078	2,321 2,318 2,382 2,541 2,799	3,039 3,291 3,482 3,580 3,759	4,017 4,243 4,511 4,791 4,977	5,066 5,071 4,958 4,785 4,451	3,895 3,469 3,082 2,680 2,360	1,934 1,709 1,514 1,374 1,253	1,034 894 752 610 476	326 315 376 466 646	1,670 1,709 1,717 1,703 1,596	- - - -
1965 1964 1963 1962 1961	21,834 22,013 22,166 22,275 22,403	(Z) (Z) (Z) (Z)	13 18 13 20 98	814 580 906 1,426 1,976	2,458 2,930 3,816 3,502 3,715	3,967 4,222 4,508 4,778 4,955	5,137 5,148 5,025 4,839 4,494	4,036 3,596 3,189 2,765 2,429	2,059 1,823 1,614 1,461 1,333	1,152 996 835 676 530	387 878 451 555 772	958 1,200 1,365 1,478 1,461	1,353 1,127 944 780 640	-
1960 1959 1958 1957 1956	22,534 22,666 22,727 22,634 22,372	(Z) (Z) (Z) 4 17	281 521 857 989 1,446	2,425 2,890 3,195 3,535 3,526	8,962 4,222 4,498 4,810 5,008	5,127 5,139 5,023 4,854 4,528	4,060 3,624 3,227 2,803 2,469	2,115 1,873 1,665 1,513 1,380	1,219 1,054 889 720 563	426 418 503 624 866	1,138 1,423 1,617 1,743 1,720	1,260 1,091 944 816 691	521 411 309 223 158	- - - -
1955 1950 1945 1940 1935	21,861 19,077 6,498 4,286 4,494	26 1 28 -	1,398 2,196 637 —	3,866 5,023 740 —	5,143 4,064 497 16	4,095 2,154 880 16 1,828	2,155 1,280 130 1,287 1,917	1,265 458 1,295 1,848 815	1,390 1,764 773 93	1,288 1,653 718 86 149	1,482 650 77 131 86	555 72 111 72 31	143 136 77 35 28	- 44 38 36
1980 1925 1920 1915 1910	4,680 4,894 5,146 778 977	17 	1,416 (Z)	17 1,386 2,075 (Z) 20	1,856 2,026 903 19 150	1,974 877 107 145 105	849 103 180 100 42	98 172 112 40 17	162 105 44 16 8	97 41 18 8 4	37 15 7 3 11	18 6 3 8 880	56 130 245 417 238	21 16 19 17 2
1905 1900 1895 1890 1885	1,192 1,224 1,187 1,341 1,475	(Z) 12 - - -	21 91 - - -	156 64 - -	109 26 - - -	44 11 - - 15	18 5 - 14 670	9 3 13 628 347	4 14 578 321 189	13 521 289 171 121	458 251 148 105 82	208 121 85 67 44	150 104 71 35 7	2 1 8 - -
1880 1875 1870 1865	1,593 1,698 1,802 1,908	- - 18	17 820	17 784 430	16 748 411 239	710 390 228 159	370 216 152 116	203 142 109 70	133 108 65 9	93 59 8 1	53 7 (Z) (Z)	(Z) (Z) 9	10 16 28 87	= = =

⁻ Represents zero. Z Less than 500.

² Includes split sentences where a defendant receives a sentence on a one-count indictment of 6 months or less in a jail type institution, followed by a term of probation. Included in these figures are mixed sentences involving confinement for 6 months or less on one count, to be followed by a term of probation on one or more other counts.

Series Y 957-970. Estimated Number of Veterans in Civil Life, by Period of Service: 1865 to 1970 [In thousands. As of June 30]

-									Korean	conflict	Service	Vietna	am 8 5	
Year	Total veterans	War of 1812	Mexican War	Civil War	Indian wars ¹	Spanish- American War	World War I	World War II ²	Total ²	Without World War II service	between Korean conflict and Vietnam 3 4	Total 6	Without Korean conflict service	Regular Establish- ment ⁷
	957	958	959	960	961	962	963	964	965	966	967	968	969	970
1970 1969 1968 1967 1966	27,647 26,925 26,273 25,805 25,534				(Z) (Z) (Z) (Z) (Z)	5 6 8 10 12	1,536 1,647 1,766 1,888 2,007	14,458 14,592 14,718 14,832 14,916	5,867 5,847 5,814 5,797 5,770	4,605 4,590 4,567 4,563 4,568	3,125 3,134 3,139 3,142 3,147	4,173 3,169 2,234 1,493 962	3,918 2,956 2,070 1,370 884	185 183 180 195 175
1965 1964 1963 1962 1961	21,834 22,013 22,166 22,275 22,403				(Z) (Z) (Z) (Z) (Z)	15 18 22 26 31	2,121 2,226 2,343 2,455 2,565	14,969 15,048 15,100 15,126 15,156	5,718 5,708 5,663 5,586 5,531	4,568 4,574 4,567 4,546 4,538	3,152 3,119 2,617 2,156 1,760	456		161 147 134 122 113
1960 1959 1958 1957 1956	22,534 22,666 22,727 22,634 22,372			(Z) (Z) (Z) (Z)	(Z) (Z) (Z) (Z) (Z)	36 43 48 55 63	2,673 2,778 2,876 2,971 3,061	15,202 15,243 15,288 15,332 15,370	5,482 5,448 5,353 5,105 4,686	4,520 4,507 4,431 4,202 3,812	1,380 967 569 186 30			103 95 84 74 66
1955 1954 1953 1952 1951	21,861 20,951 20,196 19,338 18,919			(Z) (Z) (Z) (Z) (Z)	(Z) (Z) (Z) (Z) (Z)	72 80 89 99 108	3,150 3,230 3,308 3,382 3,452	15,405 15,425 15,440 15,369 15,200	3,999 2,912 1,955 867 211	3,171 2,153 1,297 428 100				63 63 62 60 59
1950 1949 1948 1947 1946	19,077 18,945 18,745 18,262 16,655			(Z) (Z) (Z) (Z) (Z)	1 1 1 1	118 127 136 146 155	3,518 3,587 3,651 3,711 3,768	15,386 15,182 14,914 14,361 12,687						54 48 43 43 44
1945 1944 1943 1942 1941	6,498 5,689 5,002 4,485 4,337			(Z) (Z) 1 1 2	1 1 2 2	164 173 182 190 198	3,821 3,871 3,917 3,961 4,002	2,469 1,601 858 289 95						43 43 43 42 38
1940 1935 1930 1925 1920	4,286 4,494 4,680 4,894 5,146		(Z) (Z)	2 13 49 127 244	2 4 5 4	206 244 274 298 317	4,040 4,201 4,336 4,453 4,566							36 32 16 12 15
1915 1910 1905 1900 1895	778 977 1,192 1,224 1,187	(Z) (Z)	1 2 5 9 14	424 624 821 1,000 1,170	1 2 2 1 3	332 349 364 214								
1890 1885 1880 1875 1870 1865	1,341 1,475 1,593 1,698 1,802 1,908	(Z) 3 10 16 28 46	19 23 26 28 30 32	1,322 1,449 1,557 1,654 1,744 1,830										

August 5, 1964. Excludes men who served on active duty for training only.

Service after August 4, 1964.

Includes veterans who served in both the Vietnam era and the Korean conflict or World War II.

Former members of Regular Establishment (peacetime) receiving disability compensation from the Veterans Administration or predecessor agencies. Beginning June 1966, Regular Establishment veterans are excluded from total veterans since they are for the most part included as veterans with service between the Korean conflict and Vietnam era or as veterans of a war period.

Series Y 971-983. Expenditures of Veterans Administration and Predecessor Agencies From Appropriated Funds, by Period of Service: 1790 to 1970 [In thousands of dollars. For years ending June 30]

				{ ALC 61:00	ADDITION OF CI	71166125. 101	Jeans cham	g ounc ooj					
Year	Total, all wars	War of 1812	Mexican War	Civil War	Indian wars	Spanish- American War	World War I	World War II	Korean conflict	Between Korean conflict and Vietnam	Vietnam era	Regular Establish- ment	Un- distributed and other
	971	972	973	974	975	976	977	978	979	980	981	982	983
Total	1 174, 760, 880	2 48,747	3 64, 284	48,569,583	123,225	5,430,693	48,970,260	87,450,145	15,190,502	2,049,917	2,617,062	4,159,608	⁵ 16,809
1970 1969 1968 1967 1966	8,905,065 7,907,776 7,290,882 6,913,666 6,410,840			1,014 945 1,090 1,132 1,309	167 190 206 205 243	60.948	1,910,450 1,901,226 1,891,630	3,880,834 3,521,688 3,295,979 3,483,144 3,323,174	675,500 755,536 794,651	844,240	624,258 464,537	269,557 278,221 287,119	
1965 1964 1963 1962 1961	5,866,233		1	1,522 1,774 2,052 2,583 2,740	297 362 400 468 547	103,872	1,946,465 1,947,434 1,907,004	3.058.185	664,094 746.745			276,959 247,350 216,209 193,940 176,253	(Z) 2

See footnotes at end of table.

Z Less than 500. ¹ Includes only veterans on the benefit rolls of the Veterans Administration or predecessor agencies.

² Includes veterans who served in both World War II and the Korean conflict.

³ Public Law 89-558, March 3, 1966, conferred veteran status on all persons serving on active duty in the Armed Forces after January 31, 1955. Veterans with service between the Korean conflict and Vietnam era (February 1, 1955-August 4, 1964) and Vietnam era veterans (service after August 4, 1964) included in the total veteran count beginning June 1966.

⁴ Veterans whose only service was on active duty between January 31, 1955, and

Y 971-983 GOVERNMENT

Series Y 971-983. Expenditures of Veterans Administration and Predecessor Agencies From Appropriated Funds, by Period of Service: 1790 to 1970—Con.

[In thousands of dollars. For years ending June 30]

Year	Total, all wars		Var of 1812	Mexica War		Civil War	Indian wars		panish- nerican War	World War I	Wor War		Korean conflict	Regula Establi ment	sh- die	Un- tributed d other
	971		972	973		974	975		976	977	978		979	982		983
1960	5 349	711			2 3 3 4	3,130 3,428 2,458 2,839 3,257	;	632 712 724 863 983	123,733 130,155 129,569 137,279 145,738	1,693,360 1,564,592 1,445,443 1,349,830 1,284,202	2,35 2,27	4,010 0.189	1,008,037 1,151,933 1,234,720 1,231,723 1,140,840	138 122	,129 ,873 ,831 ,742 ,955	5 5 4 4 2
1955 1954 1953 1952 1951	4,483, 4,282, 4,354, 4,944, 5,356,	137 592 220 187 639			5 8 11 18	3,697 4,112 4,739 5,168 6,974	1,: 1,: 1,:	101 192 826 848 532	152,668 164,889 163,000 160,434 164,525	1,188,768 1,067,701 1,019,190 903,432 851,288	2,86 3,74	7,246 6,000 9,785 7,014 5,015	914,123 548,801 216,054 53,706 4,003	79 80 73	,532 ,891 ,116 ,070 ,284	2 1 2 4 5
1950 1949 1948 1947 1946	6,627, 6,660, 6,497, 7,470, 4,425,	600	(Z)		14 17 23 26 27	6,864 7,938 9,081 9,104 10,513	1,9 1,9 2,0	719 920 971 908 169	168,449 174,787 175,716 153,191 145,783	793,337 717,947 647,393 573,034 444,965	5,70 5,62 6,69 3,79	5,569 4,766 6,915 4,869		52 38 36 26	,369 ,166 ,725 ,316 ,667	6 6 6 8
1945 1944 1943 1942 1941	743, 605, 556, 553,	596 693 198 013	(Z) (Z) (Z) (Z)		31 39 50 55 66	12,007 14,070 16,776 19,791 23,504	2, 2, 2,	348 324 517 782 025	148,109 132,116 130,189 132,593 133,744	400,440 355,691 375,485 370,162 366,260	1,49 21 5	4,977 3,346 4,327 7,851 5,244		26 25 26 22 21	,747 ,999 ,385 ,949 ,155	9 11 14 15 15
1940 1939 1938 1937 1936		175 923 352	(Z) (Z) 1 1		85 103 117 133 155	28,255 33,615 39,791 47,292 56,840	3, 3, 3,	313 554 671 664 911	134,166 131,774 125,160 121,591 116,189						,334 ,487 ,273 ,036 ,720	15 15 15 16 17
1935 1934 1938 1932 1931	556, 496, 780, 789, 714,	215 758 251	3 3 4 4 5		181 199 286 327 347	64,400 70,797 99,204 109,315 123,400	3,4 5,4 4,3	013 887 039 865 797	83,413 61,415 131,328 122,829 110,875						,515 ,695 ,437 ,977 ,172	18 18 26 24
1930 1929 1928 1927 1926	639, 631, 625, 618, 628,	248 144 791	6 7 9 10 7		397 475 547 572 438	127,458 145,301 151,718 169,124 174,645	4, 4, 2,	786 646 128 141 951	91,700 84,230 77,476 63,338 35,806	379,084		l		4	,284 ,819 ,522	
Year	Total, all wars ⁶	War of 1812	Mexi- can War	Civil War	Indian wars	Span- ish- Ameri- can War	World War I	Regula Estab- lish- ment		Yea or per		Total, all wars ⁶	War of 1812	Mexi- can War	Civil War	Indian wars
	971	972	973	974	975	976	977	982	983			971	972	973	974	975
1925 1924 1923 1922 1921	607,246 647,288 737,000 736,731 652,157	9 13 18 20 24	724 781	243,965 241,662	2,011 1,970 1,964 1,844 1,614	21,071 13,933	408,400 465,051 474,415	4,20	7	1894 1893 1892		147,606 147,408 165,315 147,784 125,351	668 758 876	2,340 2,291 2,257 2,254 2,499	143,821 143,366 161,783 144,295 121,284	820 871 251
1920 1919 1918 1917 1916	494,183 499,311 260,898 169,264 167,393	21 18 21 19 19	765 892 852	217,640 176,653	1,784 1,594 971 428 488	5,748 4,813 5,379 4,948 4,887	270,236 72,622	3,78		1889 1888 1887		112,647 95,066 84,512 79,451 68,931	1,521 1,755 1,984	2,598 2,672 2,624 142		
1915 1914 1918 1912 1912	173,729 180,866 183,138 162,125 166,448	23 28 33 38 45	939 1,077 1,207 1,191 1,348	170,928 173,038	526 575 545 538 592	4,735 4,585		3,64 3,58 3,56 3,41 3,80	6 9 1 8	1885 9 1884 1 1883 1882 2 1881		70,196 62,184 64,861 56,882 52,771	2,157 2,448			
1910 1909 1908 1907 1906	169,492 171,458 162,398 147,482 148,421	52 64 70 86 103	1,647 1,512 1,381	161,747 153,267	640 659 553 587 650	4,279 4,009 3,770		3,10 2,97 2,85 2,72 2,61	2 3 	1878		58,585 35,526 28,764 30,145 29,887	3,817 1,128			
1905	150,851 150,716 147,079 146,575 147,275	117 144 165 188 216	1,739 1,687 1,729	142,248 142,295	686 778 447 435 488	3,318 2,369 1,865		2,51 2,37 (Z)	2 6 3 2	1873		31,106 31,908 28,681 31,454 30,081	2,805 2,875 2,411			
1900 1899 1898 1897 1896	146,887 146,822 152,814 147,903 145,789	255 301 357 400 471	2,014 2,150 2,190	143,726 143,775 149,559 144,455 142,093	545 601 644 707 777	31				1868		30,543 29,658 24,164 21,276 15,858 96,445				*

Z Less than \$500.

¹ Includes \$70,045,000 for the Revolutionary War spent prior to 1911.

² Includes \$132,000 spent prior to 1872, not shown by year.

³ Includes \$78,000 spent prior to 1887, not shown by year.

⁴ Includes \$1,168,119,000 spent prior to 1891, not shown by year.
⁵ Includes \$16,487,000 spent prior to 1911, not shown by year.
⁵ Amounts in footnotes 1 to 5, which affect years prior to 1911, are not shown annually by war but are distributed by years in this column.

Series Y 984-997. Expenditures for Veterans Benefits and Services by Veterans Administration and Predecessor Agencies: 1790 to 1970

[In thousands of dollars. For years ending June 30]

			Expenditure	es from gene	ral and spec	ial fund app	ropriations a	nd trust, de	posit, and w	orking funds	· · · · · · · · · · · · · · · · · · ·		Expendite general ar fund appro	d special
Year	Total expend- itures	Compensation and pensions	Insur- ance and service- men's indemni- ties 1	Educa- tion and training	Voca- tional rehabili- tation	Unem- ployment and self- employ- ment allow- ances	Loan guaranty	Direct loans	Miscel- laneous benefit payments	Medical, hospital, and domicili- ary services	Hospital and domicili- ary facilities	Adminis- tration and other benefits	Total	Transfers to insurance trust funds
	984	985	986	987	988	989	990	991	992	993	994	995	996	997
rotal 2_	194,364,921	94,415,801	25,349,218	21,599,199	2,599,252	3,804,876	4,005,094	3,508,283	6,639,876	24,255,295	1,862,119	6,326,846	174,760,880	7,626,96
1970 23 1969 1968 1967 1966	10,122,477 9,025,846 8,425,437 8,003,404 7,325,325	5,253,840 4,848,852 4,519,304 4,392,834 4,305,368	1,169,451 1,068,437 1,083,385 1,039,099 867,999	991,443 661,095 446,490 286,597 30,988	41,643 29,965 22,755 19,186 17,426		248,961 282,955 328,090 368,873 378,028	180,403 208,546 208,382 161,660 92,432	155,364	1,515,851 1,418,953 1,325,705	74,605 47,872 49,883 60,035 83,464	262,605 222,448 204,007 194,051 178,689	7,907,776 7,290,882	11,38 9,79 6,96 9,06 8,25
1964 1963 1962	26,967,530 6,866,474 26,816,023 26,529,104 26,636,402	3,652,598	882,269	37,443 58,566 88,209 142,557 237,264	14,533 11,757 9,243 10,336 11,837	(Z) (Z) (Z) (Z)	363,926 355,314 309,520 234,998 159,885	171,394 237,280 246,332 252,827 286,271	118,376 113,536 104,737 102,998 96,241	1,181,512 1,119,811 1,071,790 1,022,323 978,048	76,996 68,576 66,170 53,008 51,428	178,125 173,666 174,640 175,330 178,917	6,008,129 5,866,233 5,636,630 5,567,531	8,91 8,55 8,00 8,30 9,85
1960 1959 1958 1957 1956	26,215,378 26,129,139 25,948,131 25,553,871 25,402,035	3,314,761 3,225,527 3,062,211 2,828,516 2,748,989	831,760 796,315 761,075 696,646 686,013	382,861 574,029 698,415 776,277 766,900	17,910 22,307 26,095 30,598 38,134	(Z) 1 2 5 42	121,829 120,933 80,039 60,125 40,062	312,777 203,971 228,868 130,219 103,118	58,915	912,967 880,787 823,963 768,076 760,409	56,854 45,145 32,904 36,342 26,882	174,768 178,838 171,627 168,799 176,944	5,389,378 5,343,711 5,205,941 4,884,506 4,801,885	11,1 12,4 15,5 19,9 79,0
1955 1954 1953 1952 1951	5,170,768 5,075,185 5,013,733 5,869,841 5,953,879	2,634,293 2,450,518 2,376,307 2,105,973 2,035,988	1,110,193	667,802 1,325,403	40,770 41,294 57,768 97,902 176,875	4 200 4 245 4 516 76 8,378	44,640 65,843 78,355	125,126 117,709 92,760 87,276 60,932	63,809 53,267	696,750 712,828 662,858 662,683 594,084	32,510 51,043 88,183 113,011 103,878	173,105 192,163 201,344 235,702 270,661	4.354.220	31,1 73,4 84,7 204,6 44,5
1950 1949 1948 1947 1946	9,278,335 6,987,596 7,040,503 6,972,077 3,382,777	2,009,462 1,891,283 1,820,685 1,781,973 1,215,688	401,454 5676,932 328,211	2,703,862 2,498,884 2,122,292	272,292 335,200 333,313 221,147 45,087	138,191 509,592 677,256 1,447,916 1,000,909	58,671 40,038 64,354 75,493 5,229		41,222 40,700 39,780 44,409 18,007	519,722	151,532 124,025 16,980 153,880 34,313	310,198 367,264 392,597 430,943 158,573	6,660,350 6,497,681 7,470,600	474,6 89,1 144,4 838,2 1,889,2
1945 1944 1943 1942 1941	1,140,829 723,445 619,764 642,917 612,721	732,535 494,364 442,360 431,284 433,114	86,392 55,508	8,693	8,348 659 43 44				21,744 10,077 8,063 49,974 9,626	101,611 98,041 86,623 81,973 78,458	15,801 4,851 2,720 4,046 4,541	52,650 29,061 24,493 19,128 17,398	743,596 605,693	1,130,49 104,94 36,49 4,8
1940 1939 1938 1937 1936	637,611 597,461 627,399 891,426 83,835,661	429,138 416,704 402,769 396,030 398,992	70,965 111,727 114,880		4 2 4 1 4 9 4 6				15,690 14,045 20,757 289,957 68,234,247	74,497 69,651 66,626 64,154 62,481	13,638 10,958 9,847 8,964 2,938	16,752 15,140 16,174 17,450 18,147	557,690 555,175 581,923 579,352 580,249	1,5 2,7 2,4 2,5 3,4
1935 1934 1933 1932 1931	605,686 540,991 827,825 835,357 752,816	321,377 550,559 545,777	124,494 145,426 146,397		4 9 4 7 4 16 4 17 4 22				29,802 28,065 27,034 25,958 21,862	75.020	2,908 3,170 13,517 12,876 9,040	18,239 17,930 25,870 29,346 27,631	556,857 496,215 780,758 789,251 714,022	4,2 4,8 5,6 6,0 6,5
1930 1929 1928 1927 1926	675,788 665,342 652,712 640,549 649,148	418,821 410,765 403,630	135,704 131,277 128,415						23,263 26,191 27,189 24,180 20,927	53,121 53,235	8,241 4,044 5,222 4,599 4,511	26,233 25,903 24,904 24,284 29,964	618,791	8,2; 7,9, 7,1, 4,4, 4,8
1925 1924 1923 1922	617,486 652,101 740,789 740,624	345,490 388,607 377,158	106,036 103,334 104,801							48,422 59,262	3,895 9,215 2,644 917	9,404	786,731	4,27
1921 1920 1919 1918	701,181	316,418 233,461	l 43,798	} 	99,065 34,652 67				23,831 54,084 400,589 134,806	5.512		11,527 18,023 17,704 4,857	499.311	

See footnotes at end of table.

GOVERNMENT Y 984-1009

Series Y 984-997. Expenditures for Veterans Benefits and Services by Veterans Administration and Predecessor Agencies: 1790 to 1970—Con.

[In thousands of dollars. For years ending June 30]

		res from ger riations and working	trust, depor		Expend- itures from				neral and sp trust, depos g funds		Expend- itures from
Year	Total expend- iture	Compen- sation and pensions	Medical, hospital, and domicili- ary services	Adminis- tration and other benefits	general and special fund appropri- ations	Year or period	Total expend- iture	Compensation and pensions	Medical, hospital, and domicili- ary services	Adminis- tration and other benefits	general and special fund appropri- ations
	984	985	993	995	996		984	985	993	995	996
1917 1916 1915 1914 1913 1912 1911 1910 1909 1908 1908 1907 1906 1905 1904 1902 1901 1900 1899 1908 1902 1901 1900 1898 1898 1897 1898	165,815	160,895 159,155 165,518 172,418 172,418 174,172 152,986 157,325 159,974 161,974 153,093 138,155 139,000 141,143 141,094 187,760 137,504 138,531 138,462 138,355 144,652 139,950 188,221 139,987 166,907 159,394	6,806 6,581 6,481 6,482 6,423 6,690 6,606 6,632 6,504 6,018 5,773 5,773 5,726 5,724 4,875 4,583	1,568 1,657 1,780 2,066 2,543 2,449 2,517 2,658 2,861 2,801 3,309 3,524 3,722 3,849 3,993 3,883 3,883 3,889 3,842 4,147 4,114 3,988 3,988 3,988 3,988 4,868 4,868 4,868 4,868	169,264 167,393 173,729 180,866 183,188 162,125 166,448 169,492 171,458 162,398 147,482 148,421 150,851 150,716 147,079 146,575 147,275 146,827 152,814 147,903 145,789 147,408 147,408 147,408 147,408 147,408 147,408	1890 1889 1888 1888 1887 1886 1885 1884 1884 1882 1881 1880 1879 1878 1877 1876 1875 1874 1873 1872 1871 1870 1869 1869 1868 1867	95.066 84,512 79,461 68,931 70,196 62,184 64,361 56,882 52,771 58,585 35,526 28,764 30,145 29,887 31,106 31,908 31,454 30,081 30,543 29,658 24,164 21,276	106,094 88,843 78,951 73,763 64,091 65,172 57,912 60,428 54,313 50,583 56,689 38,664 26,786 28,183 27,986 29,270 30,207 26,982 29,753 28,519 29,851 28,513 23,102 20,785 15,451	3,027 2,766 2,046 1,945 1,595 1,631 1,487 1,341 1,103 1,116 961 1,024 945 928 936 853 734 695 750 699	3,526 3,467 3,515 3,753 3,245 3,398 2,835 2,592 1,466 1,072 935 838 1,033 1,034 1,015 967 1,004 967 1,005 963 491 565 553 491	112,647 95,066 84,512 79,451 68,981 70,196 62,184 64,361 56,882 52,771 58,585 35,526 28,764 30,145 29,887 31,106 31,908 28,681 31,454 30,081 30,548 29,658 24,164 21,276

Series Y 998-1009. Veterans Pensions and Compensation—Number of Veterans and Expenditure, by Type: 1866 to 1970

[For years ending June 30]

		Nu	mber of vet	erans 1 (1,00	0)				Expenditur	e (mil. dol.)		
Year	To	tal	Pen	sions	Compe	ensation	To	tal	Pen	sions	Compe	ensation
	Death	Disability	Death	Disability	Death	Disability	Death	Disability	Death	Disability	Death	Disability
	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009
1970	1,541	3,181	1,169	1,089	372	2,092	1,502	3,752	907	1,357	595	2,395
1969	1,497	8,160	1,125	1,120	372	2,040	1,385	3,466	849	1,318	536	2,148
1968	1,443	8,164	1,075	1,152	368	2,012	1,296	3,228	779	1,272	517	1,956
1968	1,388	3,182	1,025	1,182	363	2,000	1,210	3,183	713	1,263	497	1,920
1967	1,339	3,201	974	1,207	365	1,994	1,172	3,133	689	1,300	483	1,833
1965	1,294	3,217	929	1,224	365	1,998	1,111	2,931	640	1,224	471	1,707
	1,239	3,197	872	1,203	367	1,994	1,047	2,853	585	1,155	462	1,698
	1,183	3,181	810	1,191	373	1,990	995	2,820	547	1,151	448	1,669
	1,122	3,150	745	1,162	377	1,988	965	2,688	510	1,124	455	1,564
	1,067	3,107	683	1,106	384	2,001	926	2,642	461	1,072	465	1,570
1960	951	8,009	559	981	392	2,028	824	2,491	354	911	470	1,580
1959	916	2,934	528	880	388	2,054	811	2,414	339	815	472	1,599
1958	884	2,850	497	785	387	2,065	776	2,286	309	729	467	1,557
1958	863	2,797	478	720	385	2,076	729	2,100	295	657	434	1,443
1957	837	2,789	454	654	383	2,085	694	2,055	281	604	413	1,451
1955	808	2,669	426	832	382	1,837	664	1,970	265	538	400	1,432
1964	778	2,590	408	533	875	2,057	612	1,838	243	475	369	1,364
1958	748	2,506	379	485	369	2,021	608	1,768	231	431	377	1,387
1958	707	2,418	353	437	853	1,981	538	1,568	195	364	343	1,204
1952	683	2,374	339	894	848	1,980	501	1,535	190	830	311	1,205

See footnotes at end of table.

Z Less than \$500.

¹ Largely includes payments from trust accounts.

² Detail does not add to total because of adjustments for overpayments collected and items written off as uncollectible under the readjustment benefits program.

³ Data for 1970 are on an accrued expenditures basis. Prior year data based on nonaccrual basis.
⁴ Credit.
⁵ Includes adjustments for prior years; see text.
⁶ Includes total payments to veterans and beneficiaries on adjusted service certificates.

Series Y 998–1009. Veterans Pensions and Compensation—Number of Veterans and Expenditure, by Type: 1866 to 1970—Con.

[For years ending June 80]

		Nu	mber of vet	terans 1 (1,00	0)				Expenditur	e (mil. dol.)		
Year	To	otal	Pen	sions	Compe	ensation	To	tal	Pen	sions	Compe	nsation
2002	Death	Disability	Death	Disability	Death	Disability	Death	Disability	Death	Disability	Death	Disability
	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009
1950	658	2.368	322	845	336	2,023	485	1,524	181	295	304	1,229
1949	636	2.314	802	290	334	2.024	457	1,434	171	258	286	1,181
1948	608	2,315	279	249	324 314	2,066	385	1,436	152	234	238	1,201
1947	566	2,354	253	283	314	2,121	367	1,365	138	194	229	1,171
1946	502	2,130	227	219	275	1,911	305	910	108	167	198	744
1945	369	1,144	177	220	193	924	185	547	69	166	116	381
1944	253	813 622	124 127	221 227	129	593	126	368	50	80	76	288
1948	239	622	127	227	112	395	113	330	52	139	61	190
1942	236 238	624	129	231 229	107 108	392 390	111	320	58	132	58	188
1941	238	619	130	229	108	390	113	320	54	132	59	188
1940	239	610	130	224 225	110	386	115	314	55	130	60	184
1939	240	603	130	225	109	378 375	109	308	55	129	54	179
1938	236	601	132	225	104	375	101	301	56	126	45	176
1937	243 251	599	136 144	227 230	107 107	371 371	96 100	300 299	60 63	121	37 37	179
1936	201	601	144	200	107	3/1	100	299	60	119	3.1	180
1935	253	586	146	215	107	371	96	278	61	96	35	182
1934	258	581	153	218	105	363	94	228	59	80	34	148
1933	273	998	169	636	103	362	122	428	85	228	37	200
1932	284 289	994 791	182 192	641 468	102 97	354 323	124 124	421 365	87 91	215 168	38 32	206 197
1931	269	791	192	400	91	020	124	ì	91	100	32	197
1930	298	543	203	241	95	301	128	290 287	94	120	34	170
1929	306	526	215	245	91	281 271	132	287	100	126	32	162
1928	318	517	229	245	89	271	124	287	92	132	32	154
1927	327 334	490	240 252	233 233	86 83	257 240	126 125	278 247	96 93	131	30 32	147
1926	334	473	202	200	69	240	125	Z4 (90	111	ðZ.	136
1925	384	457	264	232	70	224	124	223	97	117	26	107
1924	385	427	274	236	62	191	122	223	102	125	20	99
1923	341	437	282	241 244	59 55	196	138	256	113	146	20	110
1922	341 346	431 423	286 294	254	52	187 169	124 127	253 253	106 108	144 147	17 19	109 106
1921	340	420	254	204	92	109	12'	200	100	141	15	100
1920	350	420	302	271	47	149	115	201	93	117	22	85
1919	336	338	307	299	29	40	101	183	95	124	6	9
1918	308	342	302 298	325 354	6	16 16	81	99	80	97	1	3
1917 1916	303 306	370 403	302	388	5 5	16	55 46	106 113	54 45	103 110	1 1	3
1010							ľ			i		
1915	310	438	306	422	4	15	47	119	46	116	. 1	3
1914	315 317	471 504	310 312	456 489	4	15 15	47 47	125 127	46 46	123 124	1	3 3
1918	322	504	312	524	4	14	48	105	47	103	1 1	
1912 1911	322	538 570	317	557	4	14	48	109	47	107	1	2 2
		1					ł				_	1
1910	318	603	314	589	4	13	48	112	47	110	1	2 2 2 2
1909	314 293	633 659	310 289	620 647	4	12 12	47 35	115 118	46 34	113 116	1 1	2
1908	293	680	283	669	4	11	35 35	104	34	102	1	2
1906	284	701	281	691	4	11	35	104	34	102	1	2
												_
1905	281	718	277	708	3	10	35	106	34	104	1	2 2
1904	274	721	271	711	3	10	35	106	34	104	1	. 2

	Number of	veterans 1 000)		diture dol.)		Number of veterans 1	Expenditure (mil. dol.)		Number of veterans 1	Expenditure (mil. dol.)
Year	Death	Disability	Death	Disability	Year	(1,000)		Year	(1,000)	
	998	999	1004	1005		998-999	1004-1005		998-999	1004-1005
1903 1902 1901 1900 1899 1898 1897 1896 1895 1894 1893 1892 1891	267 260 249 241 237 235 229 222 219 215 206 173 139	729 739 749 753 754 759 747 749 751 754 760 703	34 33 32 31 32 35 34 32 32 32 33 37 31	104 104 106 107 107 110 108 106 108 107 120 109 86	1890 1889 1888 1887 1886 1885 1884 1883 1882 1881 1880 1879 1878	538 490 453 406 366 345 323 304 286 269 251 243 224	106 89 79 74 64 65 58 60 54 51	1877 1876 1875 1874 1873 1872 1871 1870 1869 1868 1867 1866	232 232 235 236 238 232 207 199 188 170 155 127	28 28 29 30 27 30 29 29 29 29 29 23 21 15

¹ Series Y 998, Y 1000, and Y 1002 represent the number of deceased veterans whose dependents were receiving pension or compensation. Series Y 999, Y 1001, and Y 1003 represent the number of living veterans who were receiving pension, compensation, disability allowance, or retirement pay.

Y 1010–1027 GOVERNMENT

Series Y 1010–1027. Patients Receiving Hospital or Domiciliary Care Authorized by Veterans Administration: 1921 to 1970

[Includes beneficiaries admitted and cared for in Army, Navy, other Federal, State, and civil (contract) hospitals. Patients receiving hospital care: 1921–54 as of June 30; 1955–62 as of May 31; 1963–70 as of census date]

	Patient	s admitted to h	y 31; 1963–70	as of census da		tients receivin	g hospital care	1	
		Neuro-				Vete	rans	.	Non
Year	Total	psychiatric	General	Total	Total	Tuber- culosis	Neuro- psychiatric	General	Non- veterans
	1010	1011	1012	1013	1014	1015	1016	1017	1018
1970	711,289	102,919	608,370	88,870	88,174	2,433	50,735	35,006	696
	689,459	92,809	596,650	92,185	91,720	2,800	56,565	32,355	465
	670,600	86,316	584,284	99,970	99,325	3,420	62,840	33,065	645
	654,474	79,724	574,750	106,930	106,535	3,915	67,490	35,130	395
	641,469	71,288	570,181	109,338	109,178	4,340	68,020	36,818	160
1965	627,993	63,506	564,487	112,345	112,040	5,075	67,780	39,185	305
	634,308	61,152	563,156	112,715	112,275	5,950	67,760	38,565	440
	610,887	56,336	554,551	112,500	111,975	5,970	68,115	37,890	525
	589,975	54,246	535,729	111,302	110,941	7,180	61,742	42,019	361
	565,654	50,513	515,141	112,749	112,448	8,052	62,247	42,149	301
1960	539,243	64,927	474,316	113,246	112,919	8,665	62,325	41,929	327
	521,428	61,370	460,058	111,380	111,052	9,871	61,953	39,228	328
	512,754	59,283	453,471	110,721	110,278	10,678	61,638	37,962	443
	510,855	58,815	452,040	110,715	110,247	12,224	61,550	36,473	468
	517,455	60,186	457,269	112,660	112,131	13,595	61,703	36,833	529
1955	498,187	54,235	443,952	110,257	109,649	14,836	59,349	35,464	608
	477,915	(NA)	(NA)	108,357	107,509	415,636	454,916	436,957	848
	468,349	60,776	407,573	102,323	101,470	415,292	452,559	433,619	853
	495,056	47,116	447,940	103,774	102,974	15,362	53,570	34,042	800
	509,720	44,389	465,331	100,517	99,800	14,825	52,987	31,988	717
1950	577,715	48,200	529,515	102,303	101,862	14,361	54,419	33,082	441
	554,863	50,708	504,155	107,073	106,685	14,810	55,150	36,725	388
	534,723	55,869	478,854	103,576	103,263	13,045	54,790	35,428	313
	532,881	61,924	470,957	104,443	104,176	12,436	53,913	37,827	267
	349,092	53,136	295,956	87,257	86,998	8,475	48,687	29,836	259
1945	243,994	45,654	198,340	70,246	69,965	6,864	44,078	19,023	281
	197,858	34,464	163,394	63,890	63,581	6,314	40,076	17,191	309
	167,428	22,845	144,583	56,850	56,597	5,149	36,345	15,103	253
	182,158	24,480	157,678	56,103	55,847	5,090	34,596	16,161	256
	191,745	24,040	167,705	58,241	57,988	4,758	34,257	18,973	253
1940	182,136	24,315	157,821	56,450	56,216	4,848	32,882	18,486	234
	168,237	22,694	145,543	53,745	53,472	5,041	31,080	17,351	273
	154,361	23,471	130,890	50,640	50,385	5,062	29,299	16,024	255
	144,861	22,292	122,569	46,235	45,985	4,987	26,246	14,702	300
	125,224	19,063	106,161	41,251	40,899	4,553	24,025	12,321	352
1935	114,160	17,429	96,731	41,728	41,316	5,283	22,781	13,252	412
	63,900	12,536	51,364	38,733	38,026	5,283	21,475	11,268	707
	137,910	20,408	117,502	33,844	33,518	5,804	19,791	7,923	326
	148,662	21,556	127,106	43,469	43,334	6,985	19,528	16,821	135
	109,649	16,665	92,984	35,145	35,055	6,560	16,936	11,559	90
1930	92,115	13,523	78,592	30,556	30,447	6,733	15,035	8,679	109
	83,188	12,796	70,392	27,897	27,784	6,547	13,781	7,456	113
	73,270	11,454	61,816	26,257	26,139	6,542	13,057	6,540	118
	71,967	11,499	60,468	25,440	25,318	6,956	12,748	5,614	122
	69,441	12,489	56,952	25,965	25,858	7,863	12,902	5,093	107
1925 1924 1923 1922 1921	76,812 64,053 82,814 134,354 91,440	15,216 12,119 14,095	61,596 51,934 68,719	27,218 22,978 23,805 27,240 26,237	27,071 22,726 23,604 26,869 26,237	9,792 8,831 9,886 10,849 10,337	12,224 9,875 9,403 9,231 7,499	5,055 4,020 4,315 6,789 8,401	147 252 201 371
	V dis	eterans with se abilities receivi	ervice-connecte	d e 1	Ve de	eterans receivi	ng	Operating	Per diem
Year	Total	Tuber- culosis	Neuro- psychi- atric	General	Total	Veterans Adminis- tration	State homes ³	expenses of VA hospitals (mil. dol.)	cost in VA hospitals (dol.)
	1019	1020	1021	1022	1023	1024	1025	1026	1027
1970	22,215	262	17,353	4,600	18,680	11,998	6,682	1,278.8	38.42
	23,240	345	19,715	3,180	19,552	12,412	7,140	1,145.4	34.16
	25,865	385	22,510	2,970	20,058	12,592	7,466	1,088.6	30.53
	28,455	530	24,885	3,040	20,382	12,694	7,688	1,034.4	27.41
	31,131	541	26,930	3,660	21,319	13,091	8,228	976.1	24.90
1964	32,130	635	27,775	3,720	23,526	14,380	9,146	946.4	23.75
1964	32,965	810	28,455	3,700	24,575	15,229	9,346	904.5	22.43
1968	34,635	865	30,075	3,695	25,173	16,012	9,161	873.3	21.56
1962	33,756	1,155	29,040	3,561	25,435	16,373	9,062	858.3	20.87
1961	34,998	1,357	30,108	3,533	26,197	16,812	9,385	822.5	19.93
1960	36,149	1,610	30,910	3,629	26,274	16,856	9,418	763.0	18.44
	37,136	2,013	31,182	3,941	26,518	16,840	9,678	732.6	17.82
	37,727	2,405	31,774	3,548	25,991	16,673	9,318	676.2	16.81
	39,063	3,138	32,083	3,842	25,846	16,908	8,938	617.7	15.45
	40,195	3,769	32,536	3,890	25,786	17,047	8,739	602.9	15.22

See footnotes at end of table.

1150

Series Y 1010-1027. Patients Receiving Hospital or Domiciliary Care Authorized by Veterans Administration:
1921 to 1970—Con.
[Includes beneficiaries admitted and cared for in Army, Navy, other Federal, State, and civil (contract) hospitals. Patients receiving hospital care: 1921-54 as of June 30; 1955-62 as of May 31: 1963-70 as of census date]

	v	eterans with se	ervice-connecte	ed.	Ve	eterans receivir	ng		
	disa	abilities receivi	ng hospital car	re ¹	d	omiciliary care	, š	Operating expenses	Per diem cost in VA
Year	Total	Tuber- culosis	Neuro- psychi- atric	General	Total	Veterans Adminis- tration	State homes ³	of VA hospitals (mil. dol.)	hospitals (dol.)
	1019	1020	1021	1022	1023	1024	1025	1026	1027
1955. 1954. 1958. 1952. 1951.	41,078 40,711 39,092 36,182 35,597	4,576 45,150 45,638 5,917 6,258	32,312 430,106 428,502 26,564 25,397	4,190 45,455 44,952 3,701 8,947	25,774 25,291 25,035 24,792 24,564	16,972 16,945 16,919 16,892 16,790	8,802 8,346 8,116 7,900 7,774	542.2 580.6 486.2 474.9 409.8	13.93 14.05 13.61 13.24 11.66
1950. 1949. 1948. 1947. 1946.	34,596 35,919 34,872 35,525 28,806	5,323 6,242 6,158 6,408 3,921	25,847 24,755 23,478 22,854 20,282	3,926 4,922 5,236 6,263 4,608	24,307 22,000 20,552 18,637 15,190	16,870 15,288 14,402 13,113 10,547	7,487 6,712 6,150 5,524 4,648	384.6 353.4 307.7 271.1 136.2	10.90 10.24 9.05 8.67 5.22
1945	23,375 18,476 14,580 13,324 12,825	3,219 2,398 1,491 1,185 849	18,072 14,608 12,312 11,393 11,098	2,084 1,470 777 746 878	13,161 13,852 15,328 20,101 22,662	9,002 9,447 10,430 14,371 16,696	4,159 4,405 4,898 5,730 5,966	80.3 72.1 65.7 59.1 55.4	3.42 3.38 3.37 2.96 2.78
1940	12,670 12,534 12,394 12,182 11,906	878 1,013 1,045 1,133 1,123	10,826 10,383 10,209 9,956 9,818	971 1,138 1,140 1,098 965	22,926 21,687 19,136 15,296 16,741	16,708 15,709 13,514 10,864 12,008	6,218 5,978 5,622 4,932 4,733	49.9 48.0 44.2 43.3 42.4	2.60 2.68 2.65 2.81 2.82
1935 1934 1938 1932 1932	12,168 11,451 13,925 15,199 15,773	1,340 1,145 1,574 1,991 2,616	9,669 9,241 11,056 11,414 11,342	1,159 1,065 1,295 1,794 1,815		10,406		39.9 32.6 33.4 32.0 30.4	2.78 2.51 2.99 3.44 3.72
1930	16,418 16,024 16,597 18,087 20,811	3,278 3,399 3,802 4,818 6,576	11,170 10,777 10,809 10,988 11,438	1,970 1,848 1,986 2,281 2,797				28.5 28.2 26.1 25.3 25.3	3.86 4.01 4.00 4.00 4.19
1925	23,266 22,726 23,604 26,869 26,237	8,848 8,831 9,886 10,849 10,337	11,038 9,875 9,403 9,231 7,499	3,380 4,020 4,315 6,789 8,401				23.4 19.2 21.7 23.5	4.04 4.55 4.99 4.74

Series Y 1028-1031. Government Life Insurance Administered by Veterans Administration—Number of Policies, Income Received, and Benefits Paid: 1921 to 1970

[As of June 80]

	Policies	in force	Income	Benefits		Policies	in force	Income	Benefits
Year	Number	Face value	received	paid	Year	Number	Face value	received	paid
	1028	1029	1030	1031		1028	1029	1030	1031
		1,000 dol.	1,000 dol.	1,000 dol.			1,000 dol.	1,000 dol.	1,000 dol.
970	5,540,553 5,623,206 5,713,489 5,817,697 5,879,886	37,743,432 38,201,658 38,716,495 39,314,131 39,574,793	1,046,184 1,033,429 993,151 1,030,385 956,582	930,053 870,809 850,941 885,118 783,573	1945 1944 1943 1942 1941	16,512,099 15,068,150 9,394,598 3,217,499 972,860	126,034,439 110,707,707 63,304,655 16,986,809 3,847,972	2,412,815 1,263,124 693,624 263,188 121,498	287,219 124,864 76,414 66,176 71,816
965	5,823,981 5,885,857 5,935,798 5,999,125 6,214,879	39,102,968 39,469,983 39,655,027 40,051,309 41,659,027	982,567 930,156 967,993 907,923 954,856	767,035 809,444 903,286 853,299 1,032,072	1940	609,094 606,071 602,963 596,982 593,213	2,565,327 2,562,354 2,569,893 2,578,339 2,590,922	116,159 130,808 159,772 185,251 193,146	91,989 97,897 99,481 120,396 123,788
1960	6.485.256	42,382,403 42,973,665 43,624,978 44,202,158 42,890,932	896,437 881,990 810,392 776,705 758,047	791,640 759,440 720,567 656,207 649,903	1935 1934 1933 1992 1991	590,865 598,266 616,069 641,247 646,055	2,605,400 2,666,733 2,782,709 2,977,330 3,024,445	193,617 196,844 208,826 216,342 210,865	180,670 141,810 149,112 158,712 148,982
955 1954 953 952 951	6,449,437 6,530,816 7,003,942 7,538,729 7,625,694	42,623,425 42,802,077 46,706,290 50,837,910 51,559,594	810,683 784,615 797,789 838,360 896,129	662,750 755,058 804,819 822,818 1,026,661	1930 1929 1928 1927 1926	648,248 650,066 660,374 587,980 553,660	3,042,743 3,059,919 3,113,649 2,893,045 2,781,587	208,080 206,157 204,143 196,352 185,682	142,870 141,523 136,978 130,536 136,784
1950	6,038,865 6,291,263 6,380,103	37,972,928 37,952,323 38,065,025 37,535,634 67,514,994	814,455 1,128,508 783,577 1,347,322 2,280,700	3,144,507 450,525 376,281 383,374 369,715	1925 1924 1923 1922 1921	552,840 562,000 560,065 581,778 651,054	2,865,029 2,984,573 3,070,210 3,348,400 3,849,376	167,785 142,936 137,521 131,865 115,109	127,005 109,108 105,218 104,368 101,410

NA Not available.

¹ From 1962-1970, type of care based on 20-percent sample of annual patient census.

² Average daily member load.

Average daily number for fiscal year.
 Estimated.

Colonial and Pre-Federal Statistics

Z 1-615. General note.

It would have been possible to distribute these series for the colonial and pre-Federal period among the chapters covering each of the appropriate subject fields. It was felt, however, that a separate chapter especially organized to cover this period would be more valuable in itself and would also provide a more suitable, less-exacting context for the statistics, many of which are relatively roughhewn.

In the past, statistics for the colonial and pre-Federal period were largely dependent on compilations made during the 17th and 18th centuries by historians such as Whitworth and Macpherson. Present-day scholars, however, no longer rely solely upon such compilations. They are ferreting out statistical information from original records hitherto left unused in archives and reconstructing statistical series of their own from other sources. Several of the series presented here are appearing in print for the first time. Compilers of the new series are identified in the source citations.

The Public Records Office in London (sometimes hereafter abbreviated PRO) contains many collections of records which throw light on commerce between England and the colonies and to some extent on the development of agriculture and manufacturing in the colonies, particularly when considered with reference to the mercantilist laws passed by the mother country, as has been done here. The laws in question are cited at various points in the text below by reference to their regnal year and chapter numbers—for example, 5 Geo. II c 22 (the fifth year of the reign of King George II, chapter 22).

The collections in the Public Records Office in London, which are the original sources for many of the data presented here, are identified there by title and call numbers. For example, one collection is titled "American Inspector General's Ledgers" and is further identified as "PRO Customs 16/1." The most important of these collections or ledgers of imports and exports are the following: The English Inspector General's Ledgers (PRO Customs 3); the Scottish Inspector General's Ledgers (PRO Customs 14); the American Inspector General's Ledgers (PRO Customs 16/1); and the colonial naval office lists (usually found in C. O. 5).

The English, Scottish, and American Inspector Generals' Ledgers are conveniently arranged for statistical purposes, but are so voluminous that it is far more convenient to utilize contemporary tabulations drawn from them when such secondary sources are available. The lists kept by the naval officers of that period (for the purpose of helping to enforce the navigation laws) merely provide chronological data concerning the ships which entered and cleared port, together with their cargoes and destinations.

The task of using the naval office lists has in some instances been lightened by colonial newspapers, such as the South Carolina Gazette, which published data taken from customhouse records. Also of general assistance in the preparation of many series presented in this chapter are the compilations from naval office lists prepared by a Works Progress Administration project conducted at the University of California, entitled "Trade and Commerce of the English Colonies in America," and referred to below as WPA compilations.

Z 1-19. Estimated population of American Colonies, 1610-1780.

Source: Compiled by Stella H. Sutherland, Due West, South Carolina, chiefly from the following sources: B. J. Brawley, A Short History of the American Negro, MacMillan, 1913; Elizabeth Donnan (editor), Documents Illustrative of the History of the Slave Trade to America, 4 vols., Carnegie Institution of Washington, D.C., 1930-35; Evarts B.

Greene and Virginia D. Harrington, American Population Before the Federal Census of 1790, Columbia University Press, New York, 1932; Stella H. Sutherland, Population Distribution in Colonial America, AMS Press, Inc., New York, 1966; E. R. Turner, "The Negro in Pennsylvania," Prize Essays of the American Historical Association, Washington, D.C., 1911; Bureau of the Census, A Century of Population Growth, 1909; Thomas J. Wertenbaker, The Planters of Colonial Virginia, Princeton, 1922; and George W. Williams, The History of the Negro Race in America From 1619 to 1880, 2 vols., New York, 1883. (Also, a wide variety of source material was consulted for general information.)

The original data were obtained from the reports of the colonial officials to the Lords Commissioners of Trade and Plantations. Not infrequently a census supplied sworn evidence of the number of inhabitants; for other reports, the militia or the tax lists or both were used, commonly accompanied by an estimate of the whole population as indicated by the rolls or lists. Estimates made by colonial officials and by other informed contemporaries who did not disclose the figures upon which their conclusions were based have occasionally been included in these series. However, such estimates were selected in accordance with the general pattern of population growth.

The ratio of the militia to the whole population was generally 1 to 5½, but there were many exceptions. In Massachusetts, it was 1 to 6 in 1751 and 1 to 4 in 1763; in Connecticut, 1 to 6 in 1722 and 1756 and 1 to 7 in 1749, 1761, and 1774; it was 1 to 6 in Virginia and 1 to 7 in South Carolina at various times. No generalization can safely be made as to the ratio borne by the northern polls and ratables and by the southern taxables and tithables to the whole population of the Colonies. In every Province the figure was different. In the North, it ranged from 1 to 4 to 1 to 5½; in Pennsylvania, it was 1 to 7 in the 1750's, but 1 to 5.8 was the more common figure; in Maryland and Virginia, where both male and female slaves appeared on the tax lists, the ratio was 1 to 3 or 3.5 in the 17th century and 1 to 2.4 or 2.6 in the 18th century. The North Carolina white taxables were multiplied by 4 and the Negro taxables by 2.

The figures for Negroes for the 17th century, which are doubtlessly too low, are largely estimates based upon references to purchase and sale, to laws governing slavery, and occasionally to reports of more or less exact numbers.

Z 20-23. Percent distribution of the white population, by nationality,

Source: American Council of Learned Societies, "Report of Committee on Linguistic and National Stocks in the Population of the United States" (based on studies by Howard F. Barker and Marcus L. Hansen), Annual Report of the American Historical Association, 1931, vol. I, Washington, D.C., 1932, p. 124.

Distribution was made primarily on the basis of family names. For explanation of methods used, see source.

Z 24-132. Population censuses taken in the colonies and States during the colonial and pre-Federal period, 1624-25 to 1786.

Source: Compiled by Robert C. Klove, U.S. Bureau of the Census, with the counsel of Stella Sutherland, chiefly from the following sources: Evarts B. Greene and Virginia D. Harrington, American Population Before the Federal Census of 1790, Columbia University Press, New York, 1932 (reprinted by Peter Smith, Gloucester, Mass., 1966) and W. S. Rossiter, A Century of Population Growth, From the

First Census of the United States to the Twelfth: 1790-1900, U.S. Bureau of the Census, 1909.

The original data were obtained as follows:

Z 24-37, Connecticut.

- 1756 Connecticut Colony Public Records, XIV, p. 492. Rossiter has made corrections, p. 164. Greene and Harrington give the same figures as Rossiter, pp. 58-61.
- 1774 *Ibid.*, pp. 485-491. From Rossiter, pp. 166-169. Rossiter has made some corrections in addition from the original records. Greene and Harrington use the same source and give approximately the same figures but do not give as much detail, pp. 58-61.
- 1782 Jedidiah Morse, American Geography, Boston, 1792, pp. 217-218. From Greene and Harrington, p. 61.

Delaware.

Total White Negro 1782 44.095 41.195 2.900

From unpublished manuscripts in the State House in Dover, Delaware, examined by Stella Sutherland. Only the census totals for Kent County (9,782) and Sussex County (12,660) are available. Newcastle County is missing, but Sutherland has estimated a total for Newcastle (21,153) which is included in the State total. She also made separate estimates for white and Negro.

Z 38-49, Maine.

1764-65 Josiah H. Benton, Jr., Early Census Making in Massachusetts, 1643 to 1765, Boston, 1905. With addition corrections by Rossiter, p. 162. Benton used the Crane MS (manuscript) for Massachusetts and Maine which was discovered about 1900. Greene and Harrington also preferred the Crane MS as published by Benton (see footnote a, pp. 21-22). Rossiter's figures are used in this table because they give more detail. The earlier Dana MS was published in Joseph B. Felt, "Statistics of the Population in Massachusetts" (in American Statistical Association Collections, I, 121-216), Boston, 1897. Felt does not include Negro and other persons and the total population is slightly less.

William D. Williamson, in *The History of the State of Maine*, 1602–1820, Hallowell, 1839, gives population for the three counties in Maine on p. 373 and also estimates for the plantations which were omitted in the enumeration. His source is the *Columbian Centinel* published in 1822 which, according to Greene and Harrington, was based on the Dana MS. His total is considerably larger and does indicate that the Dana MS included Negroes.

Z 50-62, Maryland.

- 1704 Maryland Archives, XXV, p. 256. From Greene and Harrington, p. 129.
- 1710 *Ibid.*, pp. 258-259. From Greene and Harrington, p. 129.
- 1712 Ibid., p. 259. From Greene and Harrington, p. 129.
- 1755 Gentleman's Magazine, vol. XXXIV, p. 261. With corrections by Rossiter, p. 185. Rossiter gives more detail than Greene and Harrington, pp. 125-126, but the latter have some figures that vary considerably from those given by Rossiter. The total population is only 60 more. Greene and Harrington take their figures from a different source, Maryland Records Miscellaneous, 1755-75, 11 in Force, Transcripts (copied from Ezra Stiles' MS) in Library of Congress Transcripts.

1782 Jedidiah Morse, American Geography, Boston, 1792, p. 350. Also in Greene and Harrington, p. 127. Morse gives a partial breakdown of the totals and indicates that this census was taken by several assessors in March 1782.

Z 63-77, Massachusetts.

- 1764-65 See source for Maine, 1764-65. (Addition corrections by Rossiter, p. 161.)
- 1776 Jesse Chickering, Statistical View of the Population of Massachusetts, 1765-1840, Boston, 1846, p. 9. From Greene and Harrington, p. 17.
- 1784 Jedidiah Morse, American Geography, Boston, 1792, p. 172. From Greene and Harrington, p. 46.

Z 78-90, New Hampshire.

- 1767 Provincial Papers of New Hampshire, vol. VII, pp. 168-170. With corrections by Rossiter, pp. 149-150.
- 1773 *Ibid.*, vol. X, pp. 625-636. With corrections by Rossiter, p. 150.
- 1775 New Hampshire Historical Society Collections, vol. I, pp. 231-235. From Rossiter, pp. 152-154. Rossiter did not total the figures, which are given by towns. He indicated that the census was incomplete, with data for several towns not reported. The town figures in Greene and Harrington (pp. 74-79), which are town totals only, differ in a few instances from those given by Rossiter.
- 1786 Provincial Papers of New Hampshire, vol. X, pp. 637-689. With correction by Rossiter, p. 156, and Greene and Harrington, p. 74. Many towns did not distinguish whites, Negroes, and others.

Z 91-97, New Jersey.

- 1726 New Jersey Archives, 1st Series, V, p. 164. With corrections by Rossiter, p. 184, and Greene and Harrington, p. 109.
- 1738 New Jersey Archives, 1st Series, VI, pp. 242-243. With corrections by Rossiter, p. 184, and Greene and Harrington, p. 110. Both report Negroes as "Negroes and Other and Slaves."
- 1745 New Jersey Archives, 1st Series, VI, pp. 242-243. With corrections by Rossiter, p. 184, and Greene and Harrington, p. 111. Both report Negroes as "Slaves."
- 1772 New Jersey Archives, 1st Series, X, pp. 452-453. From Stella H. Sutherland, Population Distribution in Colonial America, Columbia University Press, New York, 1936; reprinted AMS Press, Inc., New York, 1966, pp. 98-99. Separate figures for whites and Negroes available for only 8 counties.
- 1784 New Jersey Department of State: Compendium of Censuses, 1726-1905, Trenton, 1906, p. 41; and Jedidiah Morse, American Geography, Boston, 1792, p. 284.

Z 98-104, New York.

- 1698 F. B. Hough, Census of the State of New York, 1855, iv.; also Calendar of State Papers, Colonial Series: America and West Indies, 1697-98, 532, 978, vi. From Rossiter, p. 170, and Greene and Harrington, p. 92.
- 1703 *Ibid.*, iv. From Rossiter, p. 170, and Greene and Harrington, p. 95.
- 1712-14 New York Colonial MS, vol. LVII, Secretary's office. From Rossiter, p. 181.
- 1723 New York Documentary History (ed. E. B. O'Callaghan), Albany, 1849-51, vol. I, p. 693. From Rossiter, p. 181, and Greene and Harrington, p. 96.

- 1731 *Ibid.*, vol. I, p. 694. With corrections, Rossiter, p. 181, and Greene and Harrington, p. 97.
- 1737 *Ibid.*, vol. I, p. 694. With corrections by Rossiter, p. 182, and Greene and Harrington, p. 98.
- 1746 *Ibid.*, vol. I, p. 695, not including Albany County. From Rossiter, p. 182, and Greene and Harrington, p. 99.
- 1749 *Ibid.*, vol. I, p. 695. With corrections by Greene and Harrington, p. 100.
- 1756 *Ibid.*, vol. I, p. 696. With corrections by Greene and Harrington, p. 101.
- 1771 *Ibid.*, vol. I, p. 697. With corrections by Rossiter, p. 183, and Greene and Harrington, p. 102.
- 1786 F. B. Hough, Census of the State of New York, 1855, viii.
 From Rossiter, p. 183, and Greene and Harrington, p. 104.

Z 105-113, Rhode Island.

- 1708 Rhode Island Colonial Records, vol. IV, p. 59. With correction from Rossiter, p. 162, and Greene and Harrington, p. 65.
- 1730 Census in "R. I. State Papers" in Massachusetts Historical Society Collections, 2d Series, VII, p. 113. From Greene and Harrington, p. 66.
- 1748 See source for 1730. From Greene and Harrington, p. 63.
- 1755 "Acct. of the People in the Colony of R. I." with Governor Hopkin's letter, Dec. 24, 1755, Proprieties V: 159 (iv), in Historical Society of Pennsylvania Transcripts. From Greene and Harrington, p. 67.
- 1774 John R. Bartlett, Census of Rhode Island for 1774, Providence, 1858, p. 239. With corrections from Rossiter, p. 162.
- 1783 Rhode Island Colonial Records, VII, p. 299. With corrections from Greene and Harrington, pp. 69-70.

Z 114-120, Vermont.

1771 London Documents, xliv, p. 144; New York Documentary History (ed. E. B. O'Callaghan), Albany, 1849-51, p. 474;
F. B. Hough, Census of the State of New York, 1955, vii. From Rossiter, p. 183, and Greene and Harrington, p. 102.

Z 121-132, Virginia.

- 1624-25 Virginia Magazine of History and Biography (Virginia Historical Society), VII, pp. 364-367; Alexander Brown, First Republic in America, Boston and New York, 1898, pp. 617-627. From Greene and Harrington, p. 144. Irene W. D. Hecht in "The Virginia Muster of 1624/5 as a source for Demographic History," William and Mary Quarterly, Third Series, vol. XXX, No. 1, January 1973, gives the total population as 1,218 and other details.
- 1634 Virginia Colonial Records, p. 91. "After this list was brought in there arrived a Ship of Holland with 145 persons from Bermudas; and since that 60 more in an English ship from Bermudas also." George Chalmers, Coll. Va., I, p. 18, New York Public Library. From Greene and Harrington, p. 145.
- 1699 Colonial Office Papers, 5:1312, No. 19, XI in Library of Congress Transcripts; Calendar of State Papers, Colonial Series: America and West Indies, 1701, 635, No. 1040, XI. From Greene and Harrington, p. 137.
- 1701 Colonial Office Papers 5:1312, No. 19, X. From Greene and Harrington, p. 147-148.

Z 133-168. General note.

The two basic sources for the study of the colonial Negro are population statistics (see series Z 1-19 and Z 21-132) and commercial statistics concerning slave importations. Although direct knowledge of the colonial Negro's natural increase is scarce, available evidence indicates that this increase must have been considerable. It is reported in 1708 that about half of Boston's 400 Negro servants were born there, and Governor James Glen of South Carolina stated in 1749 that the number of Negroes in his colony increased rather than diminished during the nine years when prohibitive taxes and war "prevented any from being imported" (Elizabeth Donnan, ed., Documents Illustrative of the History of the Slave Trade to America, Carnegie Institution of Washington, D.C., 1935, vols. III and IV, pp. 24 and 303, respectively). Otherwise, discrepancies between import and population figures (especially in later years) would call for the existence of an illegal trade in Negroes of an extent to which other evidence gives little support.

Donnan's *Documents*..., cited above, provides the greatest single source on the subject of the slave trade. She supplies references to many of the varied sources which provide such knowledge as we have of the 17th century, most helpful of which are the statistical reports prepared to help settle disputes between the Royal African Company and the separate traders.

After the first quarter of the 18th century, data on the slave trade usually rest upon the colonial naval office lists (PRO C. O. 5). Colonial newspapers sometimes reported the tallies which had been made in the customhouse; Donnan, Documents..., cited above, reproduces the individual entries for most of the lists which have survived, and the WPA compilations (see general note for series Z 1-615) give annual totals. In preparing the series on slaves, photographic copies of the naval office lists (PRO C. O. 5) were used when the Donnan entries and the WPA compilations did not agree. It is important to note, however, that the naval office lists report importations by sea rather than overland movements of slaves. Also, it is not always known how many of the Negroes survived after their entry was recorded. The Virginia statistics for 1710-1718 (Donnan, cited above, vol. IV, pp. 175-181) show that of 4,415 Negro slaves entered, 231 died within the time allowed to recover the duty and 103 were drawn back for exportation-7.5 percent of the total importations.

In the case of the Southern Colonies, the statistics for Virginia and South Carolina are reasonably complete; those for Maryland and Georgia are spotty; and those for North Carolina are virtually nonexistent.

In New England, the Negro population appears to have been due to natural increase rather than extensive importations. Governor Dudley of Massachusetts reported in 1708 that about one-half of Boston's Negro servants were born there (Donnan, cited above, vol. III, p. 24), and a comparison of the 1768–1773 trade figures, series Z 133–145, with the population figures, series Z 1–19, suggests that natural increase had become even more important than importations by the revolutionary era.

In the Middle Colonies the first Negroes were probably brought to New York from Spanish or Dutch prizes in 1625 or 1626. Dutch records are meager but show a consignment of 5 in 1660 and another of 300 in 1664. After the English conquest, New York for a time had an indeterminate trade in slaves with the pirates of Madagascar (Donnan, cited above, vol. III, pp. 405-406, 420, and 423). In Pennsylvania, the number of slaves was always small and their entry often discouraged by high taxes. Donnan (cited above, vol. III, pp. 408-409) believes that data about the slave trade there must be sought in merchant's account books, newspaper advertisements, and items of ship news, some of which appear in Edward R. Turner, "The Negro in Pennsylvania," Prize Essays of American Historical Association, Washington, D.C., 1911. In New Jersey, the slave trade centered in the eastern part of the colony, but here too the number of slaves imported was relatively small.

SLAVES **Z 133–191**

Z 133-145. Slave trade, by origin and destination, 1768-1772.

Source: Compiled by Lawrence A. Harper, University of California, from the American Inspector General's Ledgers of Imports and Exports, Public Records Office, London, Customs 16/1.

Z 146-149. Slave trade in Virginia, 1619-1767.

Source: 1619-1699, Elizabeth Donnan, ed., Documents Illustrative of the History of the Slave Trade to America, Carnegie Institution of Washington, D.C., 1935, vol. IV, pp. 4-6, 49-65 (copyright), and Philip A. Bruce, Economic History of Virginia in the Seventeenth Century, vol. II, Macmillan, New York, 1895, pp. 66-85; 1700-1726, Donnan, Documents Illustrative..., vol. IV, pp. 173-187; 1727-1767, Donnan, vol. IV, pp. 187-234, and WPA compilations of colonial naval office lists (see general note for series Z 1-615).

The title of these series refers to "slaves" because that was the status of most Negroes listed, but it should be remembered that until the middle of the 17th century Negroes came as servants, not as slaves. Unless otherwise noted, these figures show the total trade at all Virginia ports. When one or more quarters of a port's naval office lists are missing, the total for the full year has been estimated, the calculations resting upon a chronological or geographic extension—whichever involved the least element of conjecture. The totals depend upon such estimates in all years after 1726 except 1737–1740, 1743–1745, 1750, 1758, 1761–1762, and 1764, when full records exist for all the ports except Accomack, which can be disregarded because of its lack of direct participation in the slave trade. No figure is given in which the total includes more than 20 percent estimate.

In the case of slaves exported, the highly variable nature of this trade did not warrant estimative totals. Of the slaves exported, 1,055 went to Maryland, 12 to North Carolina, 9 to Rhode Island, 8 and a shipment (number unspecified) to Barbados, 3 to Madeira, 2 to Great Britain, 2 to Georgia, and 1 to Boston.

Z 150-154. Slave trade in New York, 1701-1764.

Source: 1701-1718, E. B. O'Callaghan, ed., Documents Relative to the Colonial History of the State of New York, vol. V, Weed, Parsons & Co., Albany, 1855, p. 814; 1719-1764, Donnan, cited above for series Z 146-149, vol. III, pp. 462-509, and WPA compilations of colonial naval office lists (see general note for series Z 1-615).

Figures for New York for 1731 were partially estimated, for missing quarters, by Lawrence A. Harper, University of California. The estimates were derived by obtaining the ratio of the number of slaves imported for each quarter to the number annually imported. This ratio was based on figures covering a period of eight years in which quarterly data were available.

Figures for exports, 1701 to 1718, are not available.

Z 155-164. Slaves imported into Charleston, S.C., by origin, 1706-1775.

Source: Compiled by W. Robert Higgins, Murray State University, Murray, Kentucky.

The number of slaves from each source was obtained, unless otherwise designated, from the "Shipping Returns," and "Duty Books 'A,' 'B,' and 'C." The figures for 1717 to 1734 include all Negroes brought to South Carolina through the port of Charleston; for 1735 to 1775, the recorded number was of Negroes imported for sale. The number of cargoes was determined from information given in the same sources. The total number of slaves imported came from the same sources except for 1706 through 1724, which came from a report in 1737 by a committee of the South Carolina assembly containing a record of slave importations published in London. The number of cargoes for this period are from Elizabeth Donnan, ed., Documents Illustrative of the History of the Slave Trade to America, vol. IV, p. 255.

The ports or locations from which the slaves were exported to Charleston are listed below:

From African ports—Anamaboe, Angola, Bance Island, Bonny, Calabar, Cape Coast, Cape Mount, Gambia, Gold Coast, Senegal, Sierra Leone, and Widah (Ouidah). By far the most frequent designation in the books was simply "Africa."

From Caribbean ports—Anguilla, Antigua, Bahamas (Providence), Barbados, Bermuda, Cuba (Havana, Oporto, Portola, Santa Cruz), Curacao, Dominica, Grenada and the Grenadines, Gaudeloupe, Haiti (including Cap Nicholas), Jamaica (including Spanish Town), Montserrat, Nevis, St. Christopher, St. Croix, St. Eustatius, St. Vincent, and Tobago.

From North American ports—Connecticut (New London), East Florida (St. Augustine), Georgia (Savannah), Massachusetts (Boston, Plymouth, and Salem), New Hampshire (Portsmouth), New York (New York city), North Carolina (Cape Fear), Pennsylvania (Philadelphia), Rhode Island, Virginia, and West Florida (Pensacola).

For further information see W. Robert Higgins, "The Geographical Origins of Negro Slaves in Colonial South Carolina," *The South Atlantic Quarterly*, vol. LXX, No. 1, Winter, 1971, or W. Robert Higgins, *The Slave Trade of Colonial South Carolina*, University of South Carolina Press, Columbia, South Carolina (forthcoming).

Z 165-168. British-American and West African slave prices, 1638-42 to 1773-75.

Source: Compiled by Richard N. Bean, University of Houston, from Richard N. Bean, *The British Transatlantic Slave Trade*, 1650–1775, unpublished Ph.D. dissertation, University of Washington, 1971, and Richard N. Bean, *Additional Slave Prices*, University of Houston, Department of Economics, Working Paper Series 741, No. 4, 1974.

Because of the scarcity of data, Bean included in his series almost every available observation on slave prices in order to get a continuous series. The numbers presented here were gleaned from such sources as commercial correspondence, government archives, published document collections, monographs, and occasionally undocumented citations in secondary sources. Some prices are for actual large scale transactions while others are simply estimates by informed contemporaries. Bean found no reasonable method to weight the observations according to their quality. Instead, he relied on the central limits theorem, operating through five-year averaging, to lessen the effect of the measurement errors. Since many of the price observations are averages for unspecified numbers of slaves, no attempt was made to weight the transaction prices by the number of slaves involved. British-American slave prices are adjusted to eliminate the effect of differential transport costs from Africa to places other than Jamaica.

Bean has suggested that anyone wishing to review his sources and methods of deriving these prices borrow copies of his unpublished Ph.D. dissertation and the working paper through inter-library loans from the universities cited.

Z 169-191. Components of private wealth per free capita for the Thirteen Colonies, by region, 1774.

Source: Calculated by Alice Hanson Jones. See Jones' "Wealth Estimates for the American Middle Colonies, 1774," Economic Development and Cultural Change, vol. 18, no. 4, pt. 2, July 1970; "La fortune privée en Pennsylvanie, New Jersey, Delaware, 1774," Annales: Économies, Sociétes, Civilisations, vol. 24, no. 2, Paris, France, Armand Colin, Mars-Avril, 1969, pp. 235–249; "Wealth Estimates for the New England Colonies about 1770," Journal of Economic History, vol. 32, no. 1, March 1972, pp. 98–127; Wealth of the Colonies on the Eve of the American Revolution, Columbia University Press, New York (forthcoming) and American Colonial Wealth: Documents and Methods, Arno Press, Inc., New York (forthcoming). Jerome Corn-

for each are:

field gave guidance in drawing the sample in the pilot study for the Middle Colonies. Stephen E. Fienberg and F. Kinley Larntz, Jr., gave guidance in sample drawing for the other regions. Mr. Larntz guided the final execution of the sampling and development of the weighting procedures.

Wealth is estimated on the basis of a sample drawn from all estates probated in the Thirteen Colonies in 1774. To select the sample, every county then in existence was given a chance to be drawn proportionate to its total wealthholding population in 1774. Each county, or cluster of counties, drawn into the sample represents an equal stratum of living wealthholders. Wealthholders are defined to include all free adult males aged 21 and over, white and Negro, and 10 percent of all free adult females, chiefly widows, except no Negro females in the South. Slaves and indentured servants are not counted as wealthholders. Because of the sample design and weighting procedures followed, the combination of data from sample countries within a region yields an unbiased regional estimate of wealth of probated estates, and the regional estimates combined, except for the weakness of the New York data, yield an unbiased estimate for all Thirteen Colonies. The data for probated decedents are adjusted, through the weighting procedure, to the age structure of the living and to include an allowance for wealth of persons not probated, and hence to represent the larger statistical population of living wealthholders.

New England: Total 381. Connecticut: Litchfield 31, New Haven 37; Massachusetts: Essex 102, Hampshire 27, Plymouth 35, Suffolk 100, Worcester 49. Middle Colonies: Total 217. Pennsylvania: Northampton 21, Westmoreland 7, Philadelphia 135; New Jersey: Burlington 25; Delaware: Kent 29. South: Total 298. Maryland: Queen Anne 38, Anne Arundel 27; Virginia: Charlotte-Halifax 25, Southampton-Brunswick-Mecklenburg 23, Charlotte-Spotsylvania-Fairfax 30; North Carolina: Halifax 39, Orange 32; South Carolina: Charles Town District 87. In addition, 23 probate inventories from nine counties in New York, together with regional data for New England and Middle Colonies, serve to form an estimate for New York which is part of the Thirteen Colonies total but is not shown separately.

The counties included in the sample and numbers of probate cases

All the inventories probated in 1774 within the sampled counties or county-clusters are included, with a few exceptions. In Essex County, Massachusetts, there was a cut-off at 102 cases, taking all surnames alphabetically from A to part way through the P's. In several counties or county-clusters some cases randomly drawn from 1773 or 1775 were added to provide an adequate number of cases. In the then frontier county of Westmoreland, Pennsylvania, three cases for 1774, two for 1773, and two for 1775 are all that exist for those dates. For New York, the 23 cases used represent all the cases located that were probated in any year from 1772 through 1775 not only in the two sample counties of Suffolk and Albany but in any county in the province.

Data from each county or county-cluster received equal weight in its regional average, inasmuch as each represents an equal stratum of living wealthholders. The procedure means that the counties with larger numbers of cases do not dominate or bias their respective regional averages, yet that full use could be made of all the available cases. For the New York estimate, the 23 cases received 10 percent weight, the New England average 30 percent, and the Middle Colonies average 60 percent. The assumption here is that if more cases for New York had survived, they would have shown wealth resembling that found in the adjoining New England and Middle Colonies, somewhat more like the latter than the former. The Thirteen Colonies total gives each component regional average, including the estimate for New York, an importance in proportion to its 1774 living wealthholder population.

For all regions, data on portable physical wealth and on financial assets came from the probate inventories with occasional adjustments for data found in estate accounts. For New England, the inventories

are also the source of data on land. In the other regions, land was usually not shown in the inventories. For the Middle Colonies, original data on land come from tax lists and, for the South, from deeds and land grants. Data on financial liabilities for New England come from documents filed with probate inventories or from accounts of estate administrators or executors; in the other regions they came from the estate accounts.

Average wealth of the nonprobate-type living (persons who, upon death, would probably not have their estates probated) is assumed to equal one-fourth the average wealth of age-adjusted probated (i.e., probate-type living) in New York, the Middle Colonies, and the South, but one-half in New England. The larger figure is used for New England because a higher proportion of the wealthholders there were not probated. The numbers of living wealthholders (of either probate-type or nonprobate-type) is estimated as follows: Thirteen Colonies total 434,835; New England 137,934; New York 45,128; Middle Colonies 98,448; South 153,325. The proportions of these wealthholders estimated to be of nonprobate-type are: New England 66 percent, New York 40, Middle Colonies 36, South 27.

The numbers of free capita used to construct this table, i.e., the total free population in 1774, men, women, and children, white and Negro, are estimated as follows: Thirteen Colonies total 1.820,019: New England 582,285; New York 180,116; Middle Colonies 405,033; South 652,585. These numbers are estimated to form the following proportions of the total population, free and nonfree: Thirteen Colonies total 77.3 percent; New England 95.8; New York 88.8; Middle Colonies 92.5; South 59.0. The total population figures were interpolated to 1774 on the basis of compound annual rates of population growth, separately for whites and for Negroes, from series Z 1-17 of the previous edition of this volume (U.S. Bureau of the Census, Historical Statistics of the United States: Colonial Times to 1957). The proportions of indentured whites and of free Negroes which underlie the figures on free population are estimated from secondary sources listed more fully in the first and last bibliography titles cited above. The underlying age structure of the living population, used for age adjustment from decedent to 1774 living wealthholders, is based on proportions of free whites in the 1800 census, modified slightly in the proportions of children. Complete population tables for 1774 will appear in Wealth of the Colonies, Columbia University Press, forthcoming.

Wealth figures in original documents were always stated in local pounds, shillings, and pence of the particular province, which were of varying values in relation to each other and to the English pound sterling. All local pounds have been reduced to equivalent pounds sterling, using as exchange rates the following numbers of local pounds and decimal equivalents thereof as equal to one pound sterling: Massachusetts and Connecticut 1.33; New York 1.79; Pennsylvania, New Jersey, and Delaware 1.70; Maryland common money 1.67, Maryland current money 1.33; Virginia 1.32; North Carolina 1.77; South Carolina 7.00.

Z 192-194. Agriculture censuses in Maine, Massachusetts, and New Jersey. 1784.

Source: Jedidiah Morse, American Geography, Boston, 1792, pp. 172 and 284.

It may be assumed that the limited information on agriculture presented in this table for Maine, Massachusetts, and New Jersey for 1784 was collected at the same time that the population was enumerated. Maine was a part of Massachusetts until it became a State in 1820. Other agricultural statistics of this type, except for a few estimates for parts of colonies, do not appear to exist for the colonial and pre-Federal period.

Z 195-212. Basic weekly diets in Britain and America, 1622-1790.

Source: Compiled by Austin White (graduate student, University of California) based on the following: Series Z 195, M. S. Rose, A Laboratory Handbook for Dietetics, Macmillan, New York, 1937. Series Z 196-212, 1622, see source for series Z 253-265, vol. II, p. 318; 1632,

E. M. Leonard, The Early History of English Poor Relief, Cambridge University Press, Cambridge, 1900, pp. 198-199; 1638, John Josselyn, "An Account of Two Voyages to New England Made During the Years 1638-1663," Massachusetts Historical Society Collections, Third Series, III, 1833, pp. 220-221; 1676, Philip A. Bruce, Institutional History of Virginia in the Seventeenth Century . . . vol. II. Putnam. New York, 1910, p. 87; first half of 18th century, William Douglass, A Summary, Historical and Political, of the First Planting, Progressive Improvement, and Present State of the British Settlements in North America, vol. I, R & J Dodsley, London, 1760, p. 536; 1735, Abbot Smith, Colonists in Bondage, University of North Carolina Press. Chapel Hill, 1947, p. 212; 1744-1746, Howard Chapin, The Tartar, the Armed Sloop of the Colony of Rhode Island in King George's War, Providence, 1922, p. 17; 1747, Isabel M. Calder, Colonial Captivities, Marches and Journeys, Macmillan, New York, 1935, p. 40; 1755, Basil Sollers, "The Acadians (French Neutrals) Transported to Maryland," Maryland Historical Magazine, vol. III, March 1908, pp. 8-10; 1757, John Fitzpatrick, ed., The Writings of George Washington, vol. II, U.S. Government Printing Office, Washington, D.C., 1931, p. 72; 1761, "Brigade Order Books, Montreal, September 29, 1761," Journals of the Hon. William Hervey, from 1755 to 1814, Paul and Mathew, Bury St. Edmunds, England, 1906, p. 154; about 1770, Walter Besant, London in the Eighteenth Century, A & C Black, London, 1903, p. 556; 1775, Fitzpatrick, cited above, vol. III, p. 409; 1776, "Journal of the Committees of Observation of the Middle District of Frederick County, Maryland," Maryland Historical Magazine, vol. XI, December 1916, p. 310; 1780 (Continental Army), John W. Wright, "Some Notes on the Continental Army," William and Mary Quarterly, vol. XI, 1931, p. 105; 1780 (French prisoners), Rupert C. Jarvis, ed., Customs Letter-Book of the Port of Liverpool, Manchester, 1954, p. 106; about 1790, Fitzpatrick, cited above, vol. XXXI, pp. 186-187; before 1861 (majority of slaves), Kenneth Stampp, The Peculiar Institution, Alfred A. Knopf, New York, 1956, p. 282.

Data for calories per day, series Z 195, have been recalculated from those shown in *Historical Statistics...Colonial Times to 1957* and rounded to the nearest 100. Exact precision cannot be expected in reducing colonial data to modern caloric terms. Also, the totals might have been reduced before actual consumption by spoilage, human carelessness, and dishonesty, or increased by fish, game, and produce in season. Researchers interested in the subject should write to Professor Lawrence A. Harper, Department of History, University of California, Berkeley.

Z 213-226. Value of exports to and imports from England by American Colonies and States, 1697-1791.

Source: 1697-1773, Charles Whitworth, State of the Trade of Great Britain in Its Imports and Exports Progressively from the Year 1697, G. Robinson, London, 1776; 1774-1776, David Macpherson, Annals of Commerce, Manufactures, Fisheries and Navigation, vol. III, Mundell & Son, Edinburgh, 1805, pp. 564, 585, and 599; 1777-1791, compiled by Jacob M. Price, University of Michigan, from Public Record Office, London, B.T. 6/185 ff.106v-117v.

The English Inspector General's Ledgers (Public Records Office, London, Customs 2 and 3) provide the original source for these figures. Unfortunately, Whitworth's erroneous title has caused many to believe the figures relate to Britain rather than to England but otherwise his volume has much value. The source tables cover all countries and appear in two formats: One gives England's trade with any one country, annually; the other shows all the countries with which England traded each year. Those interested in studying broader trends will find value in the decennial averages in John, Lord Sheffield, Observations on the Commerce of the American States, 6th edition, London, 1784. G. N. Clark's Guide to English Commercial Statistics, 1696-1782 (Royal Historical Society Guides and Handbooks, No. 1, London, 1938) provides a valuable history and analysis of the basic statistics and a useful appendix which has a chronological list of statistical material for 1663-1783 and specifies where the data may be found.

Users of this material should note the basis on which the values rest. Smuggling does not constitute a material factor during the years under consideration. However, other difficulties arise with respect to the question of the volume of exports and the value of all the trade. The repeal of the export duties on woolen manufactures in 1701 (11 W. III c 20) and of the remaining export duties in 1721 (Geo. II c 15) removed the penalty for false entries on exports, and some merchants overstated their quantity for reasons of real or fancied prestige—a practice which may have injected an element of error of about 4 percent (Clark, cited above, pp. 16, 27, and 35).

Another problem arose in determining the value of the merchandise imported as well as exported. The authorities of the early 18th century were greatly interested in the balance of trade and at first tried to ascertain the real commercial value of merchandise. However, the difficulties of doing so, and the increasing recognition that there were intangible elements which the records could not disclose, led to the abandonment of attempts to keep the values current by the end of the second decade of the 18th century.

The so-called "official values" became stereotyped between 1705 and 1721 (Clark, cited above, pp. 17-23), a fact which diminished their value for use in striking a balance of trade but increased their usefulness as a rough-and-ready index of the relative increase or decrease of the volume of trade.

This table has been revised from that published in the *Historical Statistics . . ., Colonial Times to 1957* volume to include figures for the years 1777-1791. Also, several figures have been corrected, as indicated by footnote 1. The source for these corrections is: John J. McCusker, "The Current Value of English Exports, 1697 to 1800," *William and Mary Quarterly,* Third Series, vol. XXVIII, No. 4, October 1971, p. 612, footnote 8.

See also general note for series Z 1-615.

Z 227-244. Value of exports to and imports from Scotland by American Colonies and States, 1740-1791.

Source: Compiled by Jacob M. Price, University of Michigan, from records as follows: 1740–1773, House of Lords Record Office, London, 20 Nov. 1775; 1774–1791, Public Record Office, London, B.T., 6/185 ff.188v-204.

Z 245-252. Value of exports to and imports from England by New York. 1751-1775.

Source: Virginia D. Harrington, The New York Merchant on the Eve of the Revolution, Columbia University Press, New York, 1935, p. 354 (copyright).

Z 253-265. Tonnage capacity of ships, 1769 and 1770, and value of exports and imports of American Colonies, 1769, by destination and origin.

Source: David Macpherson, cited above in source for series Z 213-226, vol. III, pp. 571-572.

The tonnage figures shown are those used commercially—not those computed when the Royal Navy was purchasing vessels (see text for series Z 266–285). The statistics given by Macpherson are substantially the same as those given in Public Records Office, London, Customs 16/1, except that Macpherson put the 1769 inward-bound tonnage data for Southern Europe in the West Indies column (and vice versa)—an error which has been corrected here.

The value figures for 1769 provide only a rough-and-ready index of the relationship among the different trades. Totals include figures for the Islands of Newfoundland, Bahama, and Bermuda (a factor which statistically makes only a minor difference). These data are based on the official valuations used in the customhouse which, according to Macpherson, considerably understate the true amount. This defect, however serious for some purposes, does not destroy the value of the figures for comparative purposes. Also, it must be remembered that the value figures exclude the intercolonial coastwise trade which the tonnage figures show to have been as large as any other.

See also series Z 213-226, which provide a broader and more representative base for studying the relative relationship of the Thirteen Colonies trade with England.

It should be noted that the use of these figures on volume of the traffic for the various trades for estimating the amount of shipping given full-time employment must allow for repeated voyages of the same vessel.

Z 266-285. Number and tonnage capacity of ships outward and inward bound, to and from 5 cities, by destination and origin, 1714-1772.

Source: Compiled by Lawrence A. Harper, University of California, from photographic copies of the naval office lists in the British Public Records Office (C. O. 5), except for: 1714–1717, Boston, and 1715–18, New York City, E. B. O'Callaghen, ed., Documents Relative to the Colonial History of the State of New York, vol. V, Weed, Parsons, and Company, Albany, 1855, p. 618; 1733 and 1734, Philadelphia, Pennsylvania Gazette for those years; 1752, Port Hampton, Francis C. Huntley, "The Seaborne Trade of Virginia in Mid-Eighteenth Century: Port Hampton," Virginia Magazine of History and Biography, vol. LIX, No. 3, July 1951, pp. 302–303; 1763 and 1764, New York, and 1765 and 1766, New York, Boston, and Philadelphia, see source for series Z 245–252, pp. 356–358; and 1768–1772, all ports, American Inspector General's Ledgers, Public Records Office, London, Customs 16/1.

Where the classification in *Documents Relative to the Colonial History*...did not correspond to that used here, the necessary adjustments were made by reference to the Colonial Naval Office lists (PRO C. O. 5).

The colonial naval officers appointed to enforce the English navigation laws as well as the collectors appointed by the English Commissioners of Customs under the act of 1673 (25 Car. II c 7) were charged with reporting the entry and clearance of ships as well as their cargoes. Many of the copies of the naval office lists have survived from the 18th century. When they have not, records of the names and destinations of the ships (but not their tonnages) may be obtained from the shipping news in the colonial newspapers. Such data of entries and clearances provide the best rough-and-ready index of the course of trade and its relative volume.

Although the figures concerning the entry of goods such as molasses might be distorted by illicit trade, the severity of the penalty (forfeiture) for failure to enter one's ship and the difficulty of concealing the offense help to warrant the accuracy of ship entry figures. Tonnage figures, however, present a special problem. Ralph Davis in "Organization and Finance of the English Shipping Industry in the Late Seventeenth Century" (doctoral thesis, University of London, 1955) states (pp. 476-479) that the tonnage as calculated when the English Navy was contracting for the purchase of a vessel was 25 to 33 percent greater than the conventional "tons burden" recorded in the customhouse books. Since the "tons burden" figures for the same ship remain constant in the passbooks and customs entries during the span of time here involved (although not necessarily for all periods), the difference between this purchase tonnage and the conventional tonnage will ordinarily not affect use of the data shown here

See also general note for series Z 1-615.

Z 286-290. Value of commodity exports and imports, earnings, and value of slaves imported into British North American Colonies, 1768-1772.

Source: James F. Shepherd and Gary M. Walton, Shipping, Maritime Trade, and the Economic Development of Colonial North America, Cambridge University Press, London, 1972, table 1 (copyright).

The regions used are defined as follows: Northern Colonies—Newfoundland, Quebec, and Nova Scotia; New England—New Hampshire, Massachusetts, Rhode Island, and Connecticut; Middle Colonies—New York, New Jersey, Pennsylvania, and Delaware; Upper South—Maryland and Virginia; and Lower South—North Carolina, South

Carolina, and Georgia. Florida includes East and West Florida, and has been grouped with the Bahama and the Bermuda Islands principally because the overseas trade from these colonies was small relative to the other regions. The Northern Colonies are not listed under Africa because there was no trade between them.

The source for the commodity export and import data was the American Inspector-General's Ledgers (Great Britain, Public Records Office, Customs 16/1) except that imports from Great Britain were taken from the English and Scottish customs records for these years (Great Britain, Public Records Office, Customs 3 and Customs 14, respectively). Price data were taken from various sources. Commodity exports are estimated f.o.b. values and commodity imports are estimated c.i.f. values. Shipping earnings include earnings from exports on colonial-owned ships plus earnings of colonial-owned ships carrying imports since the imports are valued c.i.f. Shipping earnings of colonial-owned ships carrying goods between foreign ports were estimated to have averaged 13,000 pounds sterling annually during 1768-1772. This estimate is included in the totals of shipping earnings, but not in the earnings estimated for the various routes between overseas areas and the colonies. These earnings are allocated to the total shipping earnings of each region as follows in pounds sterling: New England, 6.000; Middle Colonies, 3.000; and the Southern Colonies, 3,000. (1,000 pounds sterling were lost in rounding.) Other invisible earnings include interest, insurance, and mercantile profits earned by colonial residents in their trade with overseas areas. Because of the likely small amounts involved, no estimates were made for Africa. The source contains a discussion of the problems and procedures of estimation and the validity of the estimates.

Other items which affected the colonial balance of payments but which are not reflected in the estimates are the sale of ships to overseas residents, the immigration of indentured servants, and expenditures by the British government for civil government and defense in the colonies. The source also presents a discussion of the probable magnitudes of these items.

Z 291-293. Average annual coastal exports, imports, and balances of trade, by region, 1768-1772.

Source: James F. Shepherd and Samuel H. Williamson, "The Coastal Trade of the British North American Colonies, 1768-1772," The Journal of Economic History, XXXII, 4, December 1972, p. 798 (copyright).

The estimates of values for coastal exports from, and imports into, each colonial port district are based upon quantity data taken from the American Inspector-General's Ledgers (Great Britain, Public Records Office, Customs 16/1), and price data taken from various sources. The computed values were then aggregated according to the regional definitions specified in the text for series Z 286–290. It is important to note that these are not net exports from, or net imports into, each region. Exports and imports that took place between ports within each region, as well as those to or from other regions, are included in each regional total. Total export and import values should be approximately the same; the discrepancy is due principally to discrepancies in quantities recorded in the customs records.

See source for a discussion of the procedures of estimation and the validity of the estimates.

Z 294. Value and quantity of articles exported from British Continental Colonies, by destination, 1770.

Source: David Macpherson, cited above in source for series Z 213-226, vol. III, pp. 572-573, supplemented by American Inspector General's Ledgers, Public Records Office, London, Customs 16/1.

Data do not include coastwise shipments as do the figures in the American Inspector General's Ledgers (PRO Customs 16/1). Macpherson (see source for series Z 213-226) states that he omitted fractional parts of the quantities but their value is retained in the value column. Because of this and an error which Macpherson saw but had no means of correcting, the value column may not be entirely

comparable with the quantity columns. The value figures are not the market values (which Macpherson believes to have been higher) but are the official customhouse values at the ports of exportation. Customs 16/1 presents the quantities in all cases for a longer time span, 1768–1772, but the data there are not so conveniently totaled as in Macpherson.

See also general note for series Z 1-615.

Z 295-304. Coal exported from James River ports in Virginia, by destination, 1758-1765.

Source: Howard N. Eavenson, The First Century and a Quarter of American Coal Industry, Waverly Press, Inc., Baltimore, 1942, pp. 32-34, and WPA compilations (see general note for series Z 1-615) of naval office lists at the University of California.

These figures were compiled from the colonial naval office lists by Eavenson. They represent only the years for which records are complete in the case of both the Upper and Lower James. Comparison with the colonial exports for 1768–1772 (compiled by Eavenson, p. 36, from PRO Customs 16/1) shows that the James River shipments constituted the great bulk of the exports from the Thirteen Colonies. Out of a total of 2,798 net tons recorded, 1,220 net tons were shipped from the Upper James, 180 from the Lower James, 1,100 from Nova Scotia, 117 from New Hampshire, and only minor quantities from other ports (which may have been used as ballast and originally may have come from Great Britain).

Chaldrons were not converted into tons at the Newcastle rate of 5,936 pounds equal to 2.97 net tons but on the measure used after the Revolutionary War, a chaldron equaling 36 bushels or 1.44 net tons.

Z 305-325. Coal imported, by American ports, 1768-1772.

Source: American Inspector General's Ledgers, Public Records Office, London, Customs 16/1.

Chaldrons and bushels were converted to net tons as described in text for series Z 295-304.

The WPA compilations (see general note for series Z 1-615) from the naval office lists show earlier entries of coal in the several ports, from time to time. The great bulk came from Britain, the remainder (except in the case of exports from James River ports) apparently were transshipments, but it is not until 1768 that records give a good cross section of the traffic.

Z 326-417. General note.

Iron was listed in colonial commerce as "pig iron" which derived its name from the shape assumed by the molten iron when poured from the furnace, after being separated from the ore, and "bar iron" which consisted of malleable iron produced in bloomeries or at the forge. Iron manufactures not specifically described by name, such as anchors, axes, pots, nails, scythes, etc., were listed as "cast iron" if poured into forms and "wrought iron" if forged from malleable iron, except in the English Inspector General's records (PRO Customs 3) where the term "wrought iron" seems to have included both cast and malleable iron products.

The statistical picture of iron in the colonies can be reconstructed in part from data concerning iron works in the colonies and in part from the records of colonial trade. The beginning of this industry came early in the various American colonies: Virginia 1622, Massachusetts 1645, Connecticut 1657, New Jersey 1680, Maryland 1715, Pennsylvania 1716, and New York shortly before 1750. By 1775, the colonies had at least 82 charcoal furnaces which produced about 300 tons each, or a total of 24,600 tons, of pig iron and more than 175 iron forges, some being bloomeries which made bar iron directly from the ore. Most of them, however, were refinery forges which used pig iron. Each of the 175 forges produced an average of 150 tons of bar iron a year, or 26,250 tons in all. In addition, there were slitting mills and other iron works.

Arthur C. Bining, in British Regulation of the Colonial Iron Industry,

cited below for series Z 326-330, p. 134, provides a table comparing American production with the world total (see text table I). These estimates include pig iron, cast iron wares made at blast furnaces, and bar iron produced at bloomeries directly from the ore.

Table I. Iron Production of American Colonies and the World

Year	American Colonies	World		
1800 1790 1775 1760	45,000 38,000 30,000 10,000 1,500	400,000 325,000 210,000 150,000 100,000		

The figures shown in series Z 326-417 for the movement of the various types of iron in commerce throw light on England's efforts to encourage Americans to produce pig and bar iron by freeing those products from import duties in England, and to limit further manufacture by prohibiting the erection of any new slitting or rolling mills, tilt hammer forges, or steel furnaces (23 Geo. II c 29; 30 Geo. II c 16). Iron was not added to the list of enumerated products which could be shipped only to Britain (or another colony) until 1764 (4 Geo. III c 15), and even then the law only forbade shipments to Europe.

Comparisons of colonial production with export figures will help provide estimates of the home market, which can be reduced to an approximate *per capita* base by reference to series Z 1-19.

See also general note for series Z 1-615.

Z 326-330. Pig iron exported to England, by colony, 1723-1776.

Source: 1723-1755, and series **Z** 326 only, 1761-1776, Arthur Cecil Bining, *British Regulation of the Colonial Iron Industry*, University of Pennsylvania Press, Philadelphia, 1933, pp. 126-133 (copyright); 1756-1760, and series **Z** 327-330, 1761-1776, English Inspector General's Ledgers, Public Records Office, London, Customs 3.

Basically, all the figures come from the Inspector General's accounts although Bining obtained his from House of Lords manuscript, No. 185, and Harry Scrivenor, Comprehensive History of the Iron Trade, Longman, Brown, Green, and Longmans, London, 1841.

J. L. Bishop, A History of American Manufactures..., cited below for series Z 348-353, p. 625, gives an earlier figure when he states that the first iron sent to England from America was from Nevis and St. Christopher, followed in 1718 by 3½ tons from Virginia and Maryland. Series Z 326 is that of Bining and, where possible, footnotes explain the reasons for differences between his totals and those of the extended figures. The customs records were stated in terms of tons, hundredweights, quarters, and pounds, but they have here been rounded to tons.

Z 331-337. Pig iron exported from American Colonies, by destination and colony, 1768-1772.

Source: American Inspector General's Ledgers, Public Records Office, London, Customs 16/1.

The difference in total exports given in series Z 331 for Great Britain and that in series Z 326 for England should reflect trade with Scotland except for the variation in terminal dates and the lapse of time required to cross the Atlantic. The trade, however, seems to have been minor. J. L. Bishop, A History of American Manufactures..., cited below for series Z 348-353, p. 628, gives figures showing that the pig iron exported to Scotland totaled only 264 tons in the 10 years from 1739 to 1749 and 229 tons in the 6 years from 1750 to 1756.

No figures are available for pig iron imported from England by the colonies. Such imports were probably negligible.

Z 338-347. Pig iron imported by American Colonies from other Continental Colonies, 1768-1772.

Source: See source for series Z 331-337.

In addition to the colonies shown, these series also cover New

Hampshire, New Jersey, Georgia, and Florida. However, these colonies imported no pig iron for 1768-1772.

Z 348-353. Bar iron imported from England by American Colonies, 1710-1750.

Source: 1710-1735, J. L. Bishop, A History of American Manufactures From 1608 to 1860, vol. I, Edward Young & Co., Philadelphia, 1861, p. 629; 1750, English Inspector General's Ledgers, Public Records Office, London, Customs 3.

Shipments of bar iron from England to the Colonies declined sharply in the last quarter century before the Revolution. Figures are not available for 1736–1749 to determine when the decline first became evident.

Imports were relatively few after 1750. The English and American Inspector Generals' Ledgers show that New England imported 6 tons in 1764, and again in 1769, and 1,053 bars in 1773. South Carolina imported 19 bars in 1770 and 3 hundredweight in 1773.

Z 354-359. Bar iron exported to England, by colony, 1718-1776.

Source: 1718-1755, and series Z 354, 1761-1776, Bining, cited above for series Z 326-330, pp. 128-133; 1756-1760, and series Z 355-359, 1761-1776, English Inspector General's Ledgers, Public Records Office, London, Customs 3.

The original sources show data in tons, hundredweights, quarters, and pounds, but they have here been rounded by Lawrence A. Harper (University of California) to the nearest ton.

The source indicates that no bar iron was exported during 1710–1717 and for years which have been omitted in these series.

Z 360-373. Bar iron imported by American Colonies from other Continental Colonies, 1768-1772.

Source: See source for series Z 331-337.

Z 374-383. Bar iron exported by American Colonies, by destination and colony, 1768-1772.

Source: See source for series Z 331-337.

The difference in total exports given in series Z 374 for Great Britain and those in series Z 354 for England should reflect exports to Scotland, except for the variation in terminal dates and the lapse of time required to cross the Atlantic. According to J. L. Bishop, these exports were minor—only 11 tons from 1739 to 1749 (see text for series Z 331-337).

Z 384-397. Cast iron imported and exported by American Colonies, by origin and destination, 1768-1772.

Source: See source for series Z 331-337.

Additional information may be obtained concerning imports from England in the English Inspector General's Ledgers (PRO Customs 3) and in the WPA compilations (see general note for series Z 1-615) of the colonial naval office lists. English exports to the Colonies list, in addition to the generic heading "cast iron," such items as ordnance, iron pots, melting pots, and Flemish iron pots. The WPA compilations show an active coastal trade in pots as well as a surprisingly large quantity of sugar pots and sugar molds going to Kingston, Jamaica, especially from Philadelphia.

The figures for 1769-1771 may include some shipments from Scotland but the amounts probably are negligible.

The source also indicates additional minor quantities of cast iron exported to Southern Europe, Wine Islands, and West Indies.

Z 398-405. Wrought iron imported from England by American Colonies, 1710-1773.

Source: 1710-1735, Bishop, cited above for series Z 348-353, p. 629; 1750-1764, and 1773, English Inspector General's Ledgers,

Public Records Office, London, Customs 3; 1769-1771, see source for series Z 331-337.

The figures for 1769–1771 may include some shipments from Scotland but the amounts probably are negligible.

The American Inspector General's figures for 1768-1772 (PRO Customs 16/1) disclose no exports of wrought iron from the Colonies to England, but the figures do show some shipments to the West Indies.

Z 406-417. Selected iron products imported and exported by American Colonies, 1768-1772.

Source: See source for series Z 331-337.

Figures are probably underestimated since the items included may have been listed under more general designations. The colonists were not necessarily dependent upon importation but may have manufactured their own nails and other articles from bar iron which was either home-produced or imported.

Since colonial imports of axes and scythes came so predominantly from the other colonies, and steel and nails from Great Britain, no note has been taken of the negligible importations of these items from other sources.

Z 418-431. Value of furs exported to England by British Continental Colonies, 1700-1775.

Source: Murray G. Lawson, "Fur—A Study in English Mercantilism, 1700–1775," University of Toronto Studies, History and Economics Series, vol. IX, University of Toronto Press, Toronto, 1943, pp. 108–109 (copyright).

As pointed out in the source, the fur trade is inextricably interwoven with the manufacture of beaver hats. Thus, the Hat Act of 1732 (5 Geo. II c 22) forbidding the exportation of hats by any colony, combined with the enumeration of beaver skins and furs in 1722 (8 Geo. I c 15), sought to protect the English hat manufacturers. These series show the importance to the English of their colonial supply of fur. Comparison of these figures with those shown in series Z 213-226 will demonstrate the relative unimportance of fur in the colonial balance of trade.

The source also specifies the different kinds and quantity of fur England imported from the colonies and elsewhere, as well as the quantity and value of the different markets of the world—data given in even greater detail in the original tables which Lawson has left with the WPA compilations at the University of California in Berkeley.

See also general note for series Z 1-615.

Z 432-435. Indigo and silk exported from South Carolina and Georgia, 1747-1788.

Source: Series Z 432-434, 1747-1775, Lewis C. Gray, History of Agriculture in the Southern United States to 1860, vol. II, Carnegie Institution of Washington, D.C., 1933, p. 1024 (copyright), (except 1766, WPA compilations of colonial naval office lists, Public Records Office, London, C. O. 5; and 1768-1772, photographic copies of the American Inspector General's Ledgers, Public Records Office, London, Customs 16/1); 1783-1788, compiled by Jacob M. Price, University of Michigan, from records of the Public Record Office, London B.T. 6/21 ff.311-312. Series Z 435, Lewis C. Gray, cited above, vol. I, p. 187.

See also general note for series Z 1-615.

The data on indigo are reasonably complete. Although South Carolina contemplated the production of indigo as early as 1672, little came of it, presumably because of the competition from the British West Indies. When the British Islands began to emphasize sugar rather than indigo, England had to depend upon the French West Indies for her supplies of indigo until South Carolina (thanks to the enterprise of Eliza Lucas) again entered the field. The first successful crop in 1744 was largely devoted to seed but South Carolina

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was soon exporting in quantity. In due course, Georgia became a competitor but British Florida did not enter the picture until late. Even during the last 5 years of the colonial period, British Florida's production ranged only between 20,000 and 60,000 pounds (Gray, cited above, vol. I, pp. 54 and 291–295).

The great bulk of indigo went to Britain (which wanted it as a source of blue dye), not only because of its enumeration in the act of 1660 (12 Charles II c 18), but also because of the bounty England paid of 6 pence per pound (21 Charles II c 30). However, Customs 16/1 and the WPA compilations (see general note for series Z 1-615) show that minor quantities went to other Continental Colonies. Gray's Carolina figures, which were taken by him from an English source, apparently do not include coastwise shipments. This omission is relatively unimportant since the coastwise figures for 1768-1773 (as shown in Customs 16/1) represented only 1.6 percent of the total exports. The figures for Georgia (compiled by an American customs official) include shipments coastwise as well as to England—a matter of statistical significance as they constituted 5.1 percent of Georgia's total for 1768-1773.

Comparison of Gray's figures for 1747–1765 with those for 1768–1773 in Customs 16/1 suggests that Gray's figures are not for Charleston and Savannah alone, as shown by his headings, but for South Carolina and Georgia. In the case of South Carolina, the two series agree exactly in 1768, the one year when we have figures from both sources. Since Gray's source (British Museum, Kings Manuscripts, 206, f. 29) is the same for the earlier years, 1747–1765, it seems probable that the figures for these years also refer to South Carolina as a whole.

Customs 16/1 does not conclusively answer the problem in the case of Savannah. It shows for 1768-1772 that Savannah was the only Georgia port exporting indigo except in 1772. For this year, Gray's figures differ slightly from those shown in Customs 16/1 for Savannah alone and also those for Georgia as a whole. The decision to change the heading from Savannah to Georgia rests upon the fact that Bernard Romans (A Concise Natural History of East and West Florida, vol. I, New York, 1775, p. 104) specifies Georgia rather than Savannah.

Whether or not the figures are for Savannah or Georgia seems statistically insignificant. In South Carolina, however, ports other than Charleston provided 7.8 percent of that colony's exports to England for 1768–1773. Whatever may be true of Gray's figures, those given for 1768–1773 from Customs 16/1 do include all South Carolina ports and all of Georgia, but the only figure available for South Carolina for 1766 (from the WPA compilations) is for Charleston alone.

The figures on silk are from records compiled by the Georgia Comptroller of Customs (Gray, cited above, vol. I, p. 187). See also text for series Z 436-440.

Z 436-440. Silk exported and imported by North and South Carolina, 1731-1755.

Source: Chapman J. Milling, ed., Colonial South Carolina, University of South Carolina Press, Columbia, 1951, p. 104 (copyright).

Despite vigorous efforts to encourage colonial silk production by both British and colonial governments, more silk moved west than east across the Atlantic. Early figures gathered by Gray (cited above for series Z 432–435, vol. I, pp. 184–187) show that in 1654 Virginia reported the production of only 8 pounds; in 1656, 10 pounds (wound silk); in 1668, 300 pounds (sent to Charles II, type unspecified); in 1730, 300 pounds (raw), and that the Carolinas sent "several bales" to London in 1710 and again in 1716. Georgia's first efforts succeeded in sending only 20 pounds of silk to England in 1739. In 1741, she produced 600 pounds of cocoons (of which 16 pounds made 1 pound of silk) as against 37 pounds of wound silk in all the previous years of the colony. In 1749, the Salzburgers (a religious colony of industrious peasants and artisans) alone produced 762 pounds of cocoons and 50 pounds, 13 ounces, of spun silk. In 1764, the Colonies'

total product amounted to 15,212 pounds of cocoons. See also text for series Z 432-435.

The figures for the Carolinas (1731-1755) were taken from British records and appear in Governor James Glen's Description of South Carolina (Milling, cited above, p. 104).

Z 441-472. General note.

Colonial statistics concerning production and consumption of tobacco have not been developed yet, and perhaps they can never advance beyond the rough estimate stage. For the present, only general deductions from export statistics and other evidence can be made.

Figures for trans-Atlantic shipments of tobacco in the 17th century leave much to be desired (see text for series Z 457-459) but those for the 18th century are reasonably satisfactory. The 18th century statistics of English imports rest upon contemporary compilations from customhouse entries. The figures for Scotland are less exact and in the early years they do not rise above mere estimates. However, Scotland's tobacco imports were relatively minor in those years. Fortunately, as their relative importance grew, the Scottish statistics became more reliable.

British imports represented virtually all the colonial exports. The figures given in series Z 441–448 and Z 449–456 give the landed weight in Britain. Due to the tobacco's loss of moisture while crossing the Atlantic, the landed weight in Britain is about 5 percent less than the shipping weight in America (Arthur P. Middleton, Tobacco Coast, the Mariners' Museum, Newport News, Va., 1953, p. 104; Rupert C. Jarvis, Customs Letter-Books of the Port of Liverpool, 1711–1813, the Chetham Society, Manchester, 1954).

Unfortunately, the English Inspector General's Ledgers of Imports and Exports (PRO Customs 3) do not differentiate between shipments from Virginia and Maryland as do the Scottish (PRO Customs 14) and the American (PRO Customs 16/1).

The validity of British statistics as a reflection of the American tobacco trade depends, of course, upon colonial obedience to the regulations requiring shipment (with minor exceptions) of colonial tobacco to England (Britain after 1707)—at first by royal order and after 1660 by the Navigation Act of 12 Car. II. c 18.

Until the English drove the Dutch from New Netherland (first in 1664 and finally in 1674) great opportunities existed for illicit trade in America. The rules also appear not to have been consistently enforced in Europe (see text for series Z 457-459). In the 1680's there was a flareup of illegal shipments to Ireland but it reflected a sudden change in the law. The offending vessels were apprehended and the great bulk of the Irish trade thereafter seems to have followed legal channels. There were lurid accounts of smuggling to Scotland at the turn of the century but the quantity of tobacco involved should be viewed in proportion to the trade as a whole. One cannot reasonably expect the illegal shipments at that time to exceed the shipments made a decade later with full sanction of the law. In fact, the illegal shipments presumably were much less because Scotland as a whole at the end of the 17th century had only one-fourth of the shipping it had within 5 years after direct trade was permitted. The Clyde ports, which were most concerned with the American trade, had only one-tenth of their later shipping (L. A. Harper, The English Navigation Laws, Columbia University Press, New York, 1939, pp. 260-261). In view of this difference in the shipping available, the volume of illegal trade would seem not to have been more than 250,000 pounds, and a comparison with series Z 441-448 shows that it represented at most 1 percent of the tobacco crossing the Atlantic lawfully.

During the 18th century there was undoubtedly some smuggling of tobacco but it does not seem likely to impair the validity of the colonial import statistics. The illicit trader's greatest profit did not lie in evading the provisions of the Navigation Act but in escaping the high taxes laid on tobacco in England. The most effective technique consisted in importing the tobacco and reexporting it legally to a nearby port (such as the Isle of Man) whence small craft could

"run" it ashore again duty-free (for details, see Jacob M. Price, The Tobacco Trade and the Treasury, 1685-1733: British Mercantilism in its Fiscal Aspects, unpublished doctoral dissertation, Harvard University, 1954).

American historians have pointed to the small amount of the "plantation duties" collected on intercolonial trade as evidence of the breakdown of the laws. If the American colonists consumed the 5 pounds per capita of the Bermudians in the early 18th century, the 2 pounds of the English at the beginning of the 18th century, or even their 1 pound per capita at the end of the 18th century (Alfred Rive, "The Consumption of Tobacco Since 1600," Economic Journal Supplement, Economic History Series, vol. I, Jan. 1926, p. 63; H. C. Wilkinson, Bermuda in the Old Empire, Oxford University Press, London, 1950, p. 14), the colonies would have provided a sizable market of 2,000,000 to 10,000,000 pounds at the time of the Revolution. But that is a figure which can and must be greatly discounted. In the first place, it should be cut in half because the Southern Colonies had about half the population and provided their own source of supply. Similarly, allowance must be made for tobacco produced in the Northern colonies. Pennsylvania, Delaware, New York, Rhode Island, Connecticut, and Massachusetts all at one time or another grew tobacco (George L. Beer, The Origins of the British Colonial System, 1578-1660, Macmillan, New York, 1908, p. 88; J. B. Killebrew, Report on the Culture and Curing of Tobacco in the United States, Department of the Interior, Census Office, Washington, D.C., 1884, pp. 147 and 237; Vertrees J. Wyckoff, Tobacco Regulation in Colonial Maryland, Johns Hopkins University Studies in Historical and Political Science, Extra Volumes, New Series, No. 22, Baltimore, 1936, pp. 37, 38, and 65). Philadelphia, Lewes, and New Castle appear in the WPA compilations (see general note for series Z 1-615) as suppliers to other ports like New York and Boston. New York itself exported tobacco (and even more snuff) coastwise as well as to England, and the exports from New England continued large even into the 1750's. In the 1760's, Rhode Island tobacco crops provided surpluses sufficient to warrant shipping 200,000 pounds to Surinam, a colony in South America (James B. Hedges, The Browns of Providence Plantations, Harvard University Press, Cambridge, 1952, pp. 30-40).

It need not be assumed that the colonists were averse to violating the law. It may be that violations on a significant scale were not good business. The fact that the 200,000 pounds of Rhode Island tobacco sent to Surinam went there illegally means little. It was a type of tobacco not in general demand and constituted less than one-third of one percent of the annual legal trade.

Z 441-448. Tobacco imported by England, by origin, 1697-1775.

Source: Compiled by Jacob M. Price, University of Michigan.

The basic sources used by Price are the same as those used by him for his doctoral dissertation (see below).

The English Inspector General's Ledgers (PRO Customs 3), which are the original source of the data, distinguish between entries in London and in the rest of the Kingdom (the outports) but Price has combined them in the interest of saving space.

Z 449-456. American tobacco imported and reexported by Great Britain, 1697-1791.

Source: 1697-1775, Jacob M. Price, The Tobacco Trade and the Treasury, 1685-1733: British Mercantilism in its Fiscal Aspects, unpublished doctoral dissertation, Harvard University, 1954; 1783-1791, compiled by Jacob M. Price, University of Michigan.

The basic sources of the data for England in Price's doctoral dissertation were the Inspector General's Ledgers of Imports and Exports (PRO Customs 2 and 3) except as follows (see general note for series Z 1-615 for an explanation of the call numbers which follow): 1703-1722, from PRO CO 390/5/47; 1717-1722, confirmed in PRO T. 1/281/18, BM Add. MS. 33,038 fol. 159; 1722 (London import only), from PRO T 64/276B/327; 1763-1769 (import only), from PRO T. 64/276B/328; 1770-1773 (import only), from PRO T. 64/276B/

332; 1770-1771 (export), from PRO T. 64/276/330; 1772, 1774-1775 (import and export), from PRO T. 17/1,3,4; 1773-1775 (export), from Adam Anderson, An Historical and Chronological Deduction of the Origin of Commerce, vol. IV, J. Walter, London, 1707-1709, p. 447; 1783-1791. PRO Customs 17/8-14.

For Scotland, Price's data came from the Scottish Ledgers of Imports and Exports (PRO Customs 14), except as follows: 1707–1711 (import and export), from PRO T. 1/39/29; 1715–1717 (import and export), from PRO CO 390/5/13; 1721–1724 (import and export), from PRO T. 1/282/23; 1725–1731, 1752–1754, 1763, 1769 (import and export), from PRO T. 36/13; 1738–1747 (import and export), from PRO T. 1/329 fol. 125.

Total imports and reexports for 1708–1731 and 1752–1754 were obtained by adding figures not strictly comparable with each other. Scottish imports and reexports for 1708–1717 are averages of estimates for several years.

Z 457-459. American tobacco imported by England, 1616-1695.

Source: 1616–1621, Vertrees J. Wyckoff, Tobacco Regulation in Colonial Maryland, Johns Hopkins University Studies in Historical and Political Science, Extra Volumes, New Series, No. 22, Baltimore, 1936, pp. 20–36 (copyright); 1622–1631, Neville Williams, "England's Tobacco Trade in the Reign of Charles I," The Virginia Magazine of History and Biography, October 1957, pp. 403–449, Virginia Historical Society, Richmond (copyright); 1637–1640, Stanley Gray and V. J. Wyckoff, "The International Tobacco Trade in the Seventeenth Century," Southern Economic Journal, VII, July 1940, pp. 18–25, University of North Carolina, Chapel Hill (copyright); 1663–1695, compiled by J. M. Price from PRO CO 388/2 ff.7,13 (1663, 1669), outports for 1669 from Lonsdale MS, B. M. Sloane MS.1815 ff.34–7 (1683–1689), PRO T. 1/36/9 fo.50 (1689–1693), and Gray and Wyckoff, cited above (1672–1682); 1693–1695, House of Lords Record Office, parchment collection.

The figures here are not as satisfactory as those given in series Z 441-448 and Z 449-456. The total imports for 1686 and 1688 were obtained by adding figures not strictly comparable with each other. Imports of the outports (English ports other than London) for 1682-1688 are averages of estimates for several years. In a few instances the figures from Gray and Wyckoff include minor quantities of Spanish and Brazilian tobacco.

As indicated in the general note for series Z 441–472, the figures shown prior to the time when the Dutch were driven from New Netherland should not be relied upon too greatly. Rive (cited in source above, pp. 57–75) suggests that the doubling of the London import figures between 1637 and 1638 may have been due to better patrolling of the Channel. There is much evidence to show that the laws restricting tobacco importations to London and excluding Spanish tobacco were disregarded at least in part (Beer, cited above in general note for series Z 441–472, pp. 197 ff.; Williams, cited in source above, pp. 419–420; Wyckoff, cited in source above, pp. 32–34).

An alternate approach to studying the import figures is to consider the estimates of tobacco which might be produced or purchased. English proposals for limitations on tobacco importation included the following: 55,000 pounds in 1620; 200,000 pounds in 1625 and 1626; 250,000 pounds in 1627; 600,000 pounds in 1635; and 1,600,000 pounds in 1638 (Beer, cited above in general note for series Z 441–472, pp. 120, 138, 154, and 158). Virginia meantime wanted the King in 1628 to take at least 500,000 pounds annually and by 1639 sought to reduce the tobacco crop to 1,500,000 that year and 1,300,000 pounds for each of the next two years (Killebrew, cited above in general note for series Z 441–472, pp. 215–216).

Another weakness of the figures for these series lies in their failure to show which colonies supplied the tobacco; however, other data provide some opportunities to estimate the quantity which the various colonies contributed. Virginia and Bermuda ran neck and neck in 1620 at 50,000 to 55,000 pounds each. In 1628, Virginia's shipments were twice those of Bermuda, and thereafter Virginia drew far ahead (Beer, cited above in general note for series Z 441-472, p. 120; and

Williams, cited in source above, pp. 421-449). Her production had risen from 20,000 pounds in 1619 and went on to 18,150,000 in 1688 and 18,295,000 pounds in 1704 (R. A. Brock, "A Succinct Account of Tobacco in Virginia, 1607-1790," in J. B. Killebrew, cited above in general note for series Z 441-472, p. 224). Bermuda's production increased to 500,000 pounds at the most in the 1680's (George L. Beer, The Old Colonial System, 1660-1754, vol. II, Macmillan, New York, 1912, p. 91). At the end of the century, Bermuda's exports to England became negligible, and by the first quarter of the 18th century Bermuda was importing from Virginia some of the 20,000 pounds consumed by her population, which was estimated at 3,600 whites and 5,000 slaves in the 1680's (H. C. Wilkinson, Bermuda in the Old Empire, Oxford University Press, London, 1950, p. 14).

The West Indies were said to have begun growing tobacco as early as 1625; by 1628, reports show the shipment of about 100,000 pounds, but by the middle of the century sugar began to take over as the predominant crop (Beer, *The Origins*..., cited above in general note for series Z 441-472, pp. 89-90).

Meanwhile Maryland, which probably had produced no more than 100,000 pounds annually by 1639 (Wyckoff, cited in source above, p. 49), so increased her output that she contributed about 36 percent of the combined Virginia-Maryland total in 1688—a percentage she approximated at the turn of the 17th century (Margaret Shove Morriss, Colonial Trade of Maryland, 1689–1715, Johns Hopkins University Studies in Historical and Political Science, Series XXXII, No. 3, Baltimore, 1914, pp. 31–36) and during the period 1768 to 1773 (see series Z 467–468).

In the Colonies further south, North Carolina was said to be growing about 2,000 hogsheads, or 1,000,000 pounds, of tobacco in the 1670's—an estimate which seems more generous than the subsequent pattern of exports justifies (Beer, *The Old Colonial System*, 1660–1754, cited above, vol. II, p. 195).

Z 460-472. American tobacco exported and imported, by origin and destination. 1768-1772.

Source: Compiled by Lawrence A. Harper, University of California, from American Inspector General's Ledger of Imports and Exports, Public Records Office, London, Customs 16/1.

Although they cover only a few years, these series provide the only known comprehensive data which permit a complete analysis of the pre-Revolutionary colonial tobacco trade.

In the source, some export figures for 1768 and 1770 for Virginia, North Carolina, and South Carolina were shown in hogsheads or barrels. When the weights of these units were not indicated, they were converted to pounds by Harper, by using the average weights of these units as reflected in the shipments to Great Britain from the respective colonies for 1768–1772.

Also, the source shows the South Carolina export to Great Britain for 1771 as 433 hogsheads totaling 40,333 pounds. This obviously is an erroneous ratio. Since the hogshead figure is more comparable to other data shown here than the pounds figure, the former is assumed to be correct. It has been converted to pounds in the same manner as the 1770 export figures mentioned above.

Z 473-480. Tea imported from England by American Colonies, 1761-1775.

Source: Compiled by Lawrence A. Harper, University of California, from the English Inspector General's Ledgers, Public Records Office, London, Customs 3.

Figures for tea imports shown in the American Inspector General's Ledgers (PRO Customs 16/1) for 1768–1772 closely approximate those shown here for the corresponding years (O. M. Dickerson, *The Navigation Acts and the American Revolution*, University of Pennsylvania Press, Philadelphia, 1951, pp. 99–100).

Z 481-499. General note.

Information on rice in the colonial period is limited primarily to

the material on the clean rice which entered commercial trading. Presumably, the weight of this rice bore approximately the same ratio to the rough rice of the plantation at that time as it does now, that is, 100/162. There are no known satisfactory statistics on rice production and only scattered data concerning domestic consumption. Lord Carteret told the Board of Trade in 1715 that South Carolina "spent in the country" one-third of the 3,000 tons of rice she was producing at that time. By the pre-Revolutionary period, comparison of total exports with net imports for 1769–1772 indicates that only 3 percent of total exports was consumed in the nonrice-producing colonies.

The basic sources of statistics on clean rice in commerce are the records of importations in the British Public Records Office kept by the English Inspector General of Imports and Exports (Customs 2 and 3, since 1696), by the Scottish Inspector General (Customs 14, since 1755), by the American Inspector General (Customs 16/1, 1768–1772), and the records kept by the colonial naval officers (supplemented by those kept by the deputies of the London Commissioners of Customs for the comparatively few instances when these records have survived).

Data from these basic sources appear in: Gray, History of Agriculture . . ., cited above for series Z 432-435, pp. 1020-1023; Francis Yonge, A View of the Trade of South Carolina, London, 1722; C. J. Gayle, "The Nature and Volume of Exports From Charleston, 1724-1774," The Proceedings of the South Carolina Historical Association, Columbia, 1937, pp. 30-31; G. K. Holmes, Rice Crop of the United States. 1712-1911 (Circular 34, Department of Agriculture, Bureau of Statistics, 1912); Francis Yonge, Narratives of the Proceedings of the People of South Carolina, in B. R. Carroll, Historical Collections of South Carolina, vol. II, Harper & Bros., New York, 1836, p. 156; The Case of the Province of South Carolina (Carroll, vol. II, p. 265); Gov. James Glen, Description of South Carolina (Carroll, vol. II, p. 26); "An Account of Sundry Goods Imported and . . . Exported . . . From the First of November 1738 to the First of November 1739" (printed as a broadside by P. Timothy, Charleston, 1739), Bernard Romans, Natural History of East and West Florida, New York, 1775; and WPA compilations from the Charleston Naval Office lists (see general note for series Z 1-615).

Fortunately, the British records measure the quantities imported in hundredweights, but the American statistics usually give only the number of barrels and other containers exported. Where half-barrels were reported, the number was divided by two and the result included in the barrel totals.

Miscellaneous units in the American figures have been converted to barrels. The term "cask" has been considered synonymous with "barrel," following the usage of the American Inspector General's Accounts for 1768, but the remaining figures are rough approximations suggested by the weights of other commodities as given in M. Postlethwayt, The Universal Dictionary of Trade and Commerce, W. Strahan, London, 1774; J. H. Alexander, Universal Dictionary of Weights and Measures, D. Van Nostrand, New York, 1867, and the Oxford English Dictionary. A tierce has been considered to equal 11/3 barrels; a hogshead, 2 barrels; a puncheon, 23/3 barrels; a butt, 4 barrels; small barrels and small casks, $\frac{1}{2}$ of a barrel; seroons, boxes, and bags, $\frac{3}{5}$ of a barrel; kegs, ½; and bushels, ½. Colonial containers varied so greatly that these estimates seldom, if ever, represented the exact relationship. When discussing weights and measures for other uses, additional information should be obtained and corrections, as may be necessary, should be made in the formulas employed here. For present purposes, these maverick units constitute such a negligible part of the whole that errors in estimating their weight seem unlikely. to exceed those involved in rounding.

The significant problem lies in determining the weight of the barrel, the principal unit. Holmes (cited above, p. 4) stated that it weighed 350 pounds in 1717; 400 pounds, 1718–1729; and 500 pounds, 1730–1788, but as Gray (cited above, vol. II, p. 1020) points out, these figures conflict with those given by others. Although Governor Johnson of South Carolina stated in 1719 that the average barrel

contained about 350 pounds, Francis Yonge, the collector at Charleston, gave the figure of 400 pounds for 1719–1721; a Savannah Rice Association study declared it to be 325 pounds for 1720–1729; a contemporary report in 1731 and Governor Glen of South Carolina in 1749 said the barrel contained 500 pounds, but other documents say that it was 500–600 pounds in 1763; "something over 600 pounds in 1768–1769"; 550 pounds for 1764–1772; and 540 pounds net in 1772. O. M. Dickerson, The Navigation Acts and the American Revolution (cited above in text for series Z 473–480, p. 59) states that the formula used by the customs service for converting barrels to hundredweight had each barrel containing 4½ hundredweight, or 504 pounds (but the records do not disclose when the formula was calculated nor how often it was revised).

Fortunately, an examination of the surviving official statistics enables one to obtain averages calculated on broad bases. The decennial totals for 1720–1729 and 1730–1739 (Gov. James Glen, cited above) give both the number of barrels and the total weight shipped, showing the average barrel to weigh 373 pounds during the first decade and 448 pounds during the second. Similarly, the naval office lists for 1756–1767, which record both the number of barrels and pound weights shipped to Southern Europe and the West Indies, give a weighted average of about 525 pounds each for some 20,000 barrels.

Comparisons of the number of barrels shipped to Britain from America with the weight recorded for the rice arriving there provide another means of estimating the average weight of the rice barrel. For present purposes, it can be assumed to have been 350 pounds until 1720, and then to have risen 10 pounds a year until 1730, when it remained at a plateau of 450 pounds until after 1740; then it began to ascend at the rate of 5 pounds a year until it reached its pre-Revolutionary peak of 525 pounds in 1755. It must be remembered, however, that the weight of the barrels might vary radically. New York's Naval Office list for 1764 shows one shipment averaging $183\frac{1}{2}$ pounds a barrel and another 698 pounds.

Z 481-485. Rice exported from producing areas, 1698-1789.

Source: 1698-1774, compiled by Lawrence A. Harper, University of California, from references discussed below; 1783-1789, compiled by Jacob M. Price, University of Michigan.

These series attempt to provide a comprehensive statistical summary comparable to those available for the postcolonial period. Barrels have been converted to pounds on the bases described in the general note for series Z 481–499.

There was the problem of totaling the exports from the three South Carolina ports (Charleston, Beaufort-Port Royal, and Georgetown-Wynyaw) and those of Georgia. Shipments from other colonies can be considered as having originated in South Carolina and Georgia, except possibly those of North Carolina, and even in this case most of the exports probably went through South Carolina. In any event, North Carolina's exports are grouped with South Carolina's shipments in the English import figures, under the generic heading, "Carolinas." Shipments to Scotland seem to have been infrequent and insignificant until the French and Indian War (1754–1763).

The Charleston figures, with the exceptions noted below, are those compiled by Gayle (cited above in general note for series Z 481–499) from the South Carolina Gazette, although his figures for less than 12 months have been extended to full year bases for 1750, 1756, 1757, 1763, and 1767. For 1698–1724, the figures have been calculated on the assumption that all American rice imports recorded in the English Inspector General's Ledgers were equal to $\frac{1}{16}$ of Charleston's total exports, as suggested in 1719 by Francis Yonge, the customs collector at Charleston, a conclusion corroborated by a comparison of the WPA compilations of Charleston exports with the English imports for 1717, 1718, 1719, and 1724, and by Edward Randolph's remark in 1700 that $\frac{1}{16}$ of Charleston's exports went to the West Indies alone (Carroll, cited above in general note for series Z 481–499). For 1731, the figures come from the WPA compilations of the Charleston Naval Office list (see general note for series Z 1–615), and

for 1734 and 1758, directly from the South Carolina Gazette; for 1765, from the Charleston Year Book (1880) as copied by Holmes (cited above in general note for series Z 481-499); for 1766, from photographic copies of the Charleston Naval Office list (PRO C. O. 5); for 1768-1772, from the American Inspector General's Ledgers (PRO Customs 16/1); for 1773 and 1774, from Gray (cited above for series Z 432-435, p. 1022), although his partial figure for 1773 has been extended to complete the year. The years terminate October 31 except 1698 (September 28); 1699-1724, 1731 (December 24); and 1768-1773 (January 4 of the following year).

Neither Beaufort-Port Royal nor Georgetown-Wynyaw (South Carolina) seem to have had much importance until 1732. Although the former had its first collector in 1729, there was a lapse of 21/2 years before his successor took over (PRO AO 1/804/1038, AO 1/805/ 1039); and the latter appears to have had its first collector in June 1732 (South Carolina Gazette, June 24, 1732). Scattered naval office records show Georgetown exporting 385 barrels for the year 1734 and 509 for the first quarter in 1735; and Beaufort, 342 during the first half of 1736. In 1739, Georgetown exported 2,202 barrels and Beaufort, 2,165 barrels (broadside, cited above, general note for series Z 481-499), an approximate equality which also existed in the period 1768-1772 (PRO Customs 16/1). For lack of a better basis, their exports will be considered for present purposes to have been equal from 1733 to 1768, when exact figures are available and were used. In 1739, the exports of the two together equalled 6½ percent of South Carolina's exports—a percentage which dropped by 1769-1772 to 4.4 percent. Thus, from 1739 to 1768, the Beaufort and Georgetown contributions have been assumed to be 5 percent of the total South Carolina exports. A different formula was used for the years prior to 1739, when their percentage was growing from the 2½ percent which they enjoyed in 1734 (calculated by doubling the Georgetown figures which have survived for that year). On the necessarily arbitrary assumption that the rate of increase was uniform. the two ports each year from 1734 to 1739 added 0.7 percent to their share of South Carolina's exports. Extending the same formula backwards, their share of the Carolina total was 1.8 percent in 1733 and 1.1 percent in 1732.

Romans, cited above, general note for series Z 481-499, provides figures for Georgia for 1756-1767. A comparison of his figures for Georgia's total exports with those of receipts from Georgia in England (see series Z 493-499) for the decade 1756-1765 shows a ratio of one barrel exported for every 2.07 hundredweight received; and for 1740, 1742, 1750, and 1753-1755, the barrels shipped from Georgia have been computed in accordance with that formula, on the basis of English receipts (series Z 493-499). Figures for 1768-1772 come from PRO Customs 16/1. In 1773 and 1774, Georgia is assumed to have contributed 13.9 percent of the total exports, as it did from 1768 to 1772. Years end January 4 of the year following, except for the years for which figures are calculated, as noted above. For those years, no exact date can be assigned and the data are therefore not strictly comparable.

The figures for 1768-1772 provide the best basis for the later period, but for present purposes the 1768 list was not included in the basic calculations described above because it lacks data for coastwise exports; however, it provides the best base for estimating the imports for that year. All that need be assumed is that the ratio of the coastwise exports to the other exports was the same in 1768 as the average of the other four years.

The coastwise entries for 1769-1773 show both inward and outward entries. Thus, to avoid duplications in the Carolina and Georgia entries, only the net exports coastwise have been included. This adjustment cannot be made prior to 1769, but samples from the WPA compilations (see general note for series Z 1-615) indicate that it is very minor.

The data for the various colonies are shown here, not because the individual details are necessarily accurate, but in order that scholars possessing more complete information may adjust the figures wherever possible.

The object of presenting these series is to provide the best possible pattern of the over-all development. The errors in detail are as likely as not to offset one another. Except for 1713–1731, when the estimates of the size of the barrels varied radically, the totals shown here should be within 5 percent of the true figure.

Data for 1783-1789 were compiled from records of Public Record Office, London Board of Trade, 6/21 ff.311-312. Shipping seasons for the crops of these years were: 1789 (crop of 1788), no limiting dates given; 1788 (crop of 1787), November 30, 1787-November 22, 1788; 1787 (crop of 1786), November 23, 1786-November 30, 1787; 1786 (crop of 1785), November 19, 1785-November 23, 1786; 1785 (crop of 1784), December 3, 1784-November 19, 1785; 1784 (crop of 1783), November 12, 1783-December 3, 1784; and 1783 (crop of 1782), January 17, 1783-November 12, 1783.

Z 486-492. Rice exported from Charleston, S.C., by destination, 1717-1766.

Source: Compiled by J. R. House from the WPA compilations of naval office lists at the University of California, Berkeley (see general note for series Z 1-615).

The differences in totals here and in series Z 481-485 may result in part from the differences in year-ending dates, as shown in the tabular headnotes.

Z 493-499. Rice exported to England, by origin, 1698-1776.

Source: Compiled by Lawrence A. Harper, University of California, from English Inspector General's Ledgers of Imports and Exports, Public Records Office, London, Customs 3 (except 1727, from PRO T.64/276B/323).

A large proportion of the exported rice was reexported by England, not only to Northern but also to Southern Europe.

Z 500-503. Pitch, tar, and turpentine exported from Charleston, S.C., 1725-1774.

Source: 1725-1755, 1760-1764, 1767-1771, Charles J. Gayle, "The Nature and Volume of Exports from Charleston, 1724-1774," The Proceedings of the South Carolina Historical Association, Columbia, 1937, p. 31; 1756-1759, 1765, 1772-1774, South Carolina Gazette, Charleston, S.C., various issues.

The basic source for these series has been the South Carolina Gazette, which obtained the figures from the customhouse books and ran them as cumulative totals from November 1st of most years. The editorial policy of the Gazette was not consistent, however; it did not always list the same commodities each year, and sometimes it discontinued the cumulative totals before October 31st.

The WPA compilations (see general note for series Z 1-615) from the English copies of these same records (PRO C. O. 5) provide an alternate source for some years. They also distinguish in detail the destination of the various shipments.

Z 504-509. Timber and timber products exported from Charleston, S.C., and Savannah, Ga., 1754-1774.

Source: Series Z 504-506, 1754-1755, 1760-1764, 1767-1771, Gayle, cited above for series Z 500-503, p. 31; 1756-1759, 1765, 1772-1774, South Carolina Gazette, Charleston, S.C., various issues. Series Z 507-509, Oliver M. Dickerson, The Navigation Acts and the American Revolution, University of Pennsylvania Press, Philadelphia, 1951, pp. 26-27 (copyright).

The original figures for Savannah were compiled by the Comptroller at that port. For discussion of Charleston figures, see text for series Z 500-503.

Z 510-515. Number and tonnage of vessels built, by type, 1768-1773.

Source: Compiled by Jacob M. Price, University of Michigan, from George Chalmers, Opinions On Interesting Subjects... Arising From American Independence, London, 1784, p. 105.

Z 516-529. Vessels built in Thirteen Colonies and West Florida, 1769-1771.

Source: Compiled by Jacob M. Price, University of Michigan, from John, Lord Sheffield, Observations On the Commerce of the American States, 6th edition, London 1784, p. 96.

Z 530-533. Number of vessels engaged in whaling, and quantity and value of oil acquired, Nantucket, Mass., 1715-1789.

Source: 1715-1785, Obed Macy, *The History of Nantucket*, Hilliard, Gray & Co., Boston, 1835, pp. 54-55 and 232-233; 1787-1789, U.S. Congress, *American State Papers*, Class 4, "Commerce and Navigation" (two volumes), vol. I, Gales and Seaton, Washington, D.C., 1832, p. 16.

The figures shown on pp. 232-233 of the source are stated to be from the Massachusetts Historical Society's Collections. Those on pp. 54-55 cite no authority; however, the Macy family descended from the first settlers and Obed Macy's data, which are generally consistent with information from other sources, provide the best figures now available.

The development of whaling in Nantucket followed the process typical of all the colonies [Walter S. Tower, A History of the American Whale Fishery (publications of the University of Pennsylvania, series in Political Economy and Public Law, No. 20), Philadelphia, 1907]. The early settlers first processed drift whales, then they engaged in the offshore fisheries which probably reached their height at Nantucket in 1726 when 86 whales were taken (Alexander Starbuck, The History of Nantucket, C. E. Goodspeed & Co., Boston, 1924, p. 356). The first deep-sea venture occurred about 1712 when a strong wind blew an offshore vessel to sea where it caught a spermaceti whale (Macy, cited above, p. 36). By 1746, Nantucket whalers were making their way to Davis Straits and by 1774 they were sailing as far away as the coast of Brazil (Macy, cited above, p. 54).

The figures for Nantucket may be viewed in better perspective by noting that in 1730 the New England whaling fleet totaled 1,300 tons, and in 1763 that of Massachusetts consisted of 180 sailing vessels. (Raymond McFarland, A History of the New England Fisheries, D. Appleton and Company, New York, 1911, p. 86.) At the time of the Revolution, New England had 304 whalers totaling 27,840 tons out of an estimated American fleet of 360 vessels (Tower, cited above, p. 45; Starbuck, cited above, p. 176).

Z 534-538. State of the cod fishery of Massachusetts, 1765-1775.

Source: Stella H. Sutherland, Population Distribution in Colonial America, AMS Press, Inc., New York, 1966 (copyright). (The original source of the data is Timothy Pitkin, A Statistical View of the Commerce of the United States, p. 84.)

Dr. John J. McCusker, University of Maryland, in "Weights and Measures in the Colonial Sugar Trade: The Gallon and the Pound and Their International Equivalents," William and Mary Quarterly, Third Series, vol. XXX, No. 4, October 1973, pp. 605 and 606, has supplied the following information on the definition of "quintal":

"The usual multiple of the pound was the hundred, called frequently the quintal and more fully the hundredweight (abbreviated cwt. or Ct. in eighteenth-century accounts). The hundredweight usually but not always equalled one hundred times the basic unit.

"By the middle of the seventeenth century, the great hundred of 112 pounds had become established for the English sugar trade as the standard hundredweight in the mother country but not consistently in the colonies. The English colonists on the North American continent bought and sold sugar by the great or long hundredweight, yet used the short hundredweight of 100 pounds for tobacco and codfish, commodities for which the mother country employed the long hundredweight."

Z 539-550. Daily wages of selected types of workmen, by area,

Source: 1621-1670 and 1776-1781, Richard B. Morris, Government and Labor in Early America, Octagon Books, New York, 1975 (copyright 1946, and new foreword copyright © 1975, by Richard B. Morris); 1710, Richard Walsh, The Charleston Sons of Liberty, University of South Carolina Press, Columbia, 1959 (copyright).

The figures do not represent actual payments, which may have been higher, but they represent what the lawmakers believed was the proper maximum wage rate. Figures are payments to master craftsmen; journeymen received less (for example, 20 pence instead of 2 shillings in 1641).

For New Haven there were two wage rates—one for the summer, which is shown in these series, and one for the winter. For each occupation the winter rate was 6 shillings less in 1640 and 4 shillings less in 1641. Apparently the lower rate for the winter was paid because of the shorter workday.

The legislative rates also throw light on other labor facts. When New Haven set the rate for mowers in 1640, correlation of the daily wage (2 s. 6 d.) with the rate for mowing an acre of fresh marsh shows that they considered it a day's work, although they believed that mowing a salt marsh would take longer and be worth 3 shillings. The next year they confessed the ratio was inadequate when they lowered the daily wages without board to 20 d. and raised the rate for mowing to 3 s. per acre for fresh marsh and 3 s. 6 d. for salt marsh (Morris, cited above, pp. 79–80).

For discussion of the working day, see text for series Z 551-556.

Z 551-556. Daily and monthly wages of agricultural laborers in Maryland, 1638-1676.

Source: Manfred Jonas, "Wages in Early Colonial Maryland," Maryland Historical Magazine, vol. LI, March 1956, pp. 27-38.

The source also gives additional information on the cost of living. Its basic data came from scattered items in the *Archives of Maryland* (a series of annual volumes published by the Maryland Historical Society, Baltimore).

In Maryland, during the first half of the 17th century, the working month seems to have extended from 23 to 25 days and the working day from 10 to 12 hours. The 3 winter months were generally not included within the terms of labor contracts. Persons hired by the day worked the same hours and did not get lodging, but received at least 2 meals at the job (Jonas, cited above, pp. 30 and 34–35). In the other colonies the working day was probably much the same. New Haven, for example, specified in 1640 that a day's work was from 10 to 12 hours in summer and 8 hours in winter (Morris, Government and Labor..., cited above for series Z 539–550, pp. 59, 79, and 84).

Z 557. Index of wholesale prices estimated for colonial and pre-Federal years, 1720-1789.

Source: U.S. Congress, Hearings Before the Joint Economic Committee, 86th Congress, 1st session, Part II, Historical and Comparative Rates of Production, Productivity, and Prices (statement presented by Ethel D. Hoover, U.S. Bureau of Labor Statistics).

This index (which extends to 1958 in the source) was obtained by combining and splicing index numbers constructed by various investigators for different markets, to approximate a continuous series. The annual indexes were calculated by working forward and backward from the selected base period, 1850–59. No adjustments were made to the original series for differences in coverage or in methods of calculation. However, when wholesale prices in two or more markets were combined, the necessary conversions to a common base period were made, and occasional estimates, as noted in other parts of the source, were used.

For this series, weighted combinations were made of the available index series for three major markets (Philadelphia, New York, and Charleston), except for the years prior to 1732 and the Revolutionary

War years. For these years, the estimates were based on Philadelphia prices only. The weights used to combine markets were rough approximations, based chiefly on estimates of the population and trade for each area and on the representative character and adequacy of the available indexes.

Z 558-577. Average annual wholesale prices of selected commodities in Philadelphia, 1720-1775.

Source: Anne Bezanson, Robert D. Gray, and Miriam Hussey, *Prices in Colonial Pennsylvania*, University of Pennsylvania Press, Philadelphia, 1935, pp. 422–424 (copyright).

The primary source of the original data was the list of "prices current" which first appeared in 1719 in the American Mercury and which was continued in that and other newspapers. Gaps were usually filled by reference to merchants' account books and letterbooks (as discussed and listed in the source cited, pp. 3-5, 351-354, and 434-438). The annual averages were computed "by taking the arithmetic mean of the 12 average monthly prices in each year. When any monthly price was missing the available data were averaged quarterly and the annual figure derived from the quarterly averages.... In some cases it was necessary to estimate a quarterly price by averaging the last monthly quotation in the previous quarter with the first monthly quotation in the following quarter. No annual price was estimated completely...."

The source volume was sponsored by the International Scientific Committee in Price History, as were a number of other studies of colonial prices drawn together in A. H. Cole, Wholesale Commodity Prices in the United States: 1700–1861, Harvard University Press, Cambridge, 1938. In addition to discussion and analyses of prices, this publication offers a statistical supplement of monthly prices for the principal commercial centers. The tables in it, however, rest primarily upon the Philadelphia prices until the 1750's. Prior to 1750, Boston has only two series, wheat and molasses, which begin in 1720. Although there are gaps in the data, Charleston has series for bread, corn, rice, rum, wine, molasses, and staves beginning 1732; sugar beginning 1744; beef, pork, and indigo in 1747; and coffee, leather, and lumber in 1749. New York has series for flour, bread, rice, sugar, salt, rum, and molasses beginning 1748; and for wheat, beef, and pork beginning 1749.

Price series for the following Philadelphia commodities are shown in the source (not included here because of space limitations): Brown bread, white bread, London loaf sugar, Pennsylvania loaf sugar, indigo, bar iron, pig iron, hogshead staves, pipe staves, turpentine, and gunpowder. In addition to the annual averages, the source contains average monthly prices and monthly and annual indexes (both arithmetic and geometric) of 20 commodities in Philadelphia.

The unit of measure of Madeira wine (pipe) consists of 110 gallons. Barrels, in the case of beef and pork, consist of 31.5 gallons and hundredweights equal 112 pounds, except for tobacco where it equals 100 pounds.

Z 578-582. Prices of Maryland tobacco, 1711-1775.

Source: Carville V. Earle, The Evolution of a Tidewater Settlement System: All Hallow's Parish, Maryland, 1650-1783, Ph.D. dissertation, University of Chicago, 1973.

The prices of tobacco are from the probate records, inventories and accounts of Anne Arundel and Prince Georges counties between 1711 and 1775. The year runs from January 1 to December 31. Each year contains at least eight prices; the mean annual average is presented here. The prices are in British sterling. Accompanying the price series is a list of exchange rates for converting Maryland current money to sterling. In the probate records, where the tobacco prices appear, the monies of account are varied Maryland currencies which are overvalued in relation to sterling. Exchange rates between one of these currencies, Maryland current money, and sterling are frequent, and these administered rates provide the data for the exchange rate series. For each year, the modal exchange rate is entered.

So long as tobacco prices are in current money, they may be converted to sterling with this series. One problem concerns the years 1772 and 1773 when current money exchanged at $33\frac{1}{3}$ and $66\frac{2}{3}$; accordingly, for these years, two exchange rates and two tobacco prices are shown. A second problem occurs in 1757 when no one exchange rate is predominant; therefore, the mean exchange rate is used in preference to the mode.

Z 583. Farm prices of Maryland tobacco, 1659-1710.

Source: Russell R. Menard, "Farm Prices of Maryland Tobacco, 1659 to 1710," Maryland Historical Magazine, LXVIII, 1973, pp. 80-85.

The series presents yearly means based on crop appraisals and other data found in all Maryland probate inventories filed between 1659 and 1710. Full documentation and a description of procedure is provided in the source.

Z 584. Farm prices of Chesapeake tobacco, 1618-1658.

Source: Russell R. Menard, "A Note on Chesapeake Tobacco Prices, 1618 to 1660," (forthcoming) Virginia Magazine of History and Biography (copyright).

The series presents yearly means of price quotations found in correspondence, accounts of sales, promotional literature, court records, official proclamations, and legislative acts. Price quotations for Chesapeake tobacco in Europe and prices that appear to be deliberate exaggeration or understatements of the actual price were excluded from the mean. The means are based on few observations: in no one year did the number exceed ten; in most only two or three prices were found.

See source for further documentation and description of procedures.

Z 585. Annual rate of exchange on London for Pennsylvania currency, 1720-1775.

Source: See source for series Z 558-577, p. 432.

This series is derived from data in papers of Pennsylvania merchants and the Minutes of the Provincial Council (1739), supplemented in some years by Victor S. Clark, *History of Manufactures in the United States*, 1893-1928, vol. III, Carnegie Institution of Washington, D.C., 1916-1949, pp. 361-362. Bezanson et al., in *Prices*..., cited above, p. 431, also give monthly rates of exchanges during the same period.

Z 586. Annual price of an ounce of silver at Boston, Mass., 1700-1749.

Source: A. H. Cole, Wholesale Commodity Prices in the United States: 1700-1861, Harvard University Press, Cambridge, 1938, p. 119 (copyright).

The original shilling prices were taken from the Suffolk files by A. M. Davis, Currency and Banking in the Province of Massachusetts Bay, vol. I, Macmillan, New York, 1901, pp. 368 and 370. Where more than one price was given for a year, the high and low figures were averaged to determine the price for that year.

Z 587-598. Partial list of bills of credit and Treasury notes issued by American Colonies, 1703-1775.

Source: B. U. Ratchford, American State Debts, Duke University Press, Durham, 1941, pp. 26-27 (copyright).

These series attempt to show the issues of bills of credit and treasury notes emitted by the Colonies between 1703 and 1775. The £82,000 in bills issued by Massachusetts between 1690 and 1702 are not included, nor are the issues of Georgia, which never had a large debt. Under the trustees, the principal circulating medium in Georgia was the "sola" bills, issued only in the original by the trustees. A total of £135,000 of these bills of exchange were issued but only £1,149 remained unredeemed in 1752. Thereafter, Georgia emitted at least two issues of bills: One of £3,000 in 1756 and one of £7,410 in 1761 (Ratchford, cited above, p. 19).

Ratchford concedes that the list may be incomplete and that many of the issues listed were not made at the time nor in the exact amount stated. Sometimes the law authorizing the issue constitutes the only evidence, and nothing indicates "how, when, or to what extent the issue was actually made."

The original source for 1737–1748 for Massachusetts is A. M. Davis, cited above in text for series Z 586. Davis expressed all issues in the terms of old tenor (the form of bills which existed in February 1737). Ratchford did not follow this procedure because he did not feel sufficiently acquainted with the circumstances in each case to make the conversion with assurance. For all other years, the data rest upon a variety of sources cited in the footnotes of Ratchford's first chapter, which provide a helpful bibliography for further reference.

The footnotes to these series indicate the principal purposes for which the larger issues were made. For years when several issues appeared for different purposes, the footnotes indicate the purpose for issuing the majority of the bills.

Z 599-610. Paper money outstanding in American Colonies, 1705-1775.

Source: See source for series Z 587-598, p. 28.

The original sources of the data are various monographs cited in Ratchford's first chapter. Unfortunately, the authors of these monographs did not always attempt to find or to make estimates themselves. Some of the estimates are those of legislative committees or public officials and, less frequently, of contemporary writers. Many of the estimates for 1739 and 1748 come from William Douglass whose work is discussed in Charles Bullock, Introduction, Economic Studies of the American Economic Association, vol. II, No. 1. Georgia did not warrant a separate series, the only estimate being one for £5.500 for 1761.

For approximately a fifth of the figures, the actual year of issuance differs from that indicated in this table by one or two years; for exact year of issuance, see source.

Z 611-615. Tax collections in America under the different revenue laws, 1765-1774.

Source: Oliver M. Dickerson, *The Navigation Acts and the American Revolution*, University of Pennsylvania Press, Philadelphia, 1951, p. 201 (copyright).

Tax records have long been an untapped source of economic data. Dickerson has gathered figures from the English Treasury Papers for both the revenues collected under the Navigation Act of 1673 (25 Car. II c 7) and the new revenue measures which followed the French and Indian War (1763). He estimates (p. 202) that seizures (often highly technical) under the new revenue program cost the Americans not less than £60,956 "exclusive of fees, direct plunder, and costs of defending suits in the admiralty courts."

Series Z 1-19. Estimated Population of American Colonies: 1610 to 1780

Series No.	Colony	1780	1770	1760	1750	1740	1730	1720	1710	1700	1690	1680	1670	1660	1650	1640	1630
1	WHITE AND NEGRO	2,780,369	2,148,076	1,593,625	1,170,760	905,563	629,445	466 , 185	331 ,711	250 ,888	210 ,372	151 ,507	111,935	75,058	50,368	26,634	4,646
2 3 4 5	Maine 1 New Hamsphire 2 Vermont 3 Plymouth 4	49,133 87,802 47,620	31,257 62,396 10,000	20,000 39,093	27,505	23,256	10,755	9,375	5,681	4,958	4,164 7,424	2,047 6,400	1,805		1,000 1,305	900 1,055 1,020	400 500
6	Massachusetts 124	268,627	235,308	202,600	188,000	151,613	114,116	91,008	62,390	55,941	49,504	39,752	30,000	20,082	14,037	8,932	506
7 8 9 10 11	Rhode Island 2	52,946 206,701 210,541 139,627 327,305	58,196 183,881 162,920 117,431 240,057	45,471 142,470 117,138 93,813 183,703	33,226 111,280 76,696 71,393 119,666	63,665 51,373	16,950 75,530 48,594 37,510 51,707	36,919 29.818	21.625	25,970 19,107 14,010	13,909 8,000	3,017 17,246 9,830 3,400 680	5,754 1,000	7,980 4,936		300 1,472 1,930	350
12 13 14 15	Delaware 2 Maryland 2 Virginia 2 North Carolina 2	45,385 245,474 538,004 270,133	35,496 202,599 447,016 197,200	33,250 162,267 339,726 110,442	141,073 231.033	19,870 116,093 180,440 51,760	91,113 114,000	66,133 87,757	42,741 78,281	29,604	24,024 53.046	43.596	35,309	27,020	185 4,504 18,731	583 10,442	
16 17 18 19	South Carolina ² Georgia ² Kentucky ⁵ Tennessee ⁶	180,000 56,071 45,000 10,000	124,244 23,375 15,700 1,000	94,074 9,578	64,000 5,200		30,000 	17,048	10,883	5,704	3,900	1,200	200				
	NEGRO							! !							1		
1	Total	575,420	459,822	325,806	236,420	150,024	91,021	68,839	44,866	27,817	16,729	6,971	4,535	2,920	1,600	597	60
2 3 4 6	Maine ¹ New Hampshire ² Vermont ³ Massachusetts ¹²	458 541 50 4,822	475 654 25 4,754	300 600 4,566	550						100	75 170			40 295	30 150	
7 8 9 10 11	Rhode Island ² Connecticut ³ New York ² New Jersey ² Pennsylvania ²	21,054 10,460	3,761 5,698 19,112 8,220 5,761	3,468 3,783 16,340 6,567 4,409	3,347 3,010 11,014 5,354 2,872	8,996 4,366	1,490 6,956 3,008	1,093 5,740 2,385	750 2,811 1,332	450 2,256 840	250 200 1,670 450 270	175 50 1,200 200 25	35 690 60	25 600	25 20 500	15 232	10
12 13 14 15	Delaware 2 Maryland 2 Virginia 2 North Carolina 2	80,515 220,582	1,836 63,818 187,605 69,600	49,004 140,570	1,496 43,450 101,452 19,800	24,031 60,000	17,220 30,000	26,559	7,945 23,118	3,227 16,390	82 2,162 9,345 300	3,000	1,190 2,000	758 950	405	20 150	 5ō
16 17 18 19	South Carolina 2 Georgia 2 Kentucky 5 Tennessee 6	97,000 20,831 7,200 1,500	10,625 2,500	57,334 3,578	39,000 1,000	80,000	20,000	12,000	4,100	2,444 Series No.	1,500	1,500 200 80			162	20	1610
											outh	AND NEG		. 82,	102	350	

Series Z 20-23. Percent Distribution of the White Population, by Nationality: 1790

Series No.	Area	Total	English	Scotch	Iri	sh	German	Dutch	French	Swedish	Spanish	Unas- signed
					Ulster	Free State						
20	Total States	100.0	60.9	8.3	6.0	3.7	8.7	3.4	1.7	0.7		6.6
	Maine ¹ New Hampshire Vermont Massachusetts ¹ Rhode Island	100.0 100.0 100.0 100.0 100.0	60.0 61.0 76.0 82.0 71.0	4.5 6.2 5.1 4.4 5.8	8.0 4.6 3.2 2.6 2.0	3.7 2.9 1.9 1.3	1.3 .4 .2 .3 .5	.1 .6 .2 .4	1.3 .7 .4 .8	.1		21.1 24.1 12.6 8.4 18.6
	Connecticut New York New Jersey Pennsylvania Delaware	100.0 100.0 100.0 100.0 100.0	67.0 52.0 47.0 35.3 60.0	2.2 7.0 7.7 8.6 8.0	1.8 5.1 6.3 11.0 6.3	1.1 3.0 3.2 3.5 5.4	.3 8.2 9.2 33.3 1.1	.3 17.5 16.6 1.8 4.3	.9 3.8 2.4 1.8 1.6	.5 3.9 .8 8.9		26.4 2.9 3.7 3.9 24.4
	Maryland (incl. Dist. of Col.) Virginia (incl. West Virginia) North Carolina South Carolina Georgia Kentucky and Tennessee	100.0 100.0 100.0 100.0 100.0 100.0	64.5 68.5 66.0 60.2 57.4 57.9	7.6 10.2 14.8 15.1 15.5 10.0	5.8 6.2 5.7 9.4 11.5 7.0	6.5 5.4 4.4 3.8 5.2	11.7 6.3 4.7 5.0 7.6 14.0	.5 .3 .3 .4 .2 1.3	1.2 1.5 1.7 3.9 2.3 2.2	.5 .6 .2 .2 .6		1.7 .9 1.2 1.4 1.1
	OTHER AREAS											
21 22 23	Northwest Territory	100.0 100.0 100.0	29.8 2.5 11.2	4.1 .3 1.6	2.9 .2 1.1	1.8 .1 .7	4.3 .4 8.7		57.1 64.2		96.5 12.5	

¹ Maine was a part of Massachusetts until it became a State in 1820.

² Corrected figure; does not agree with source.

							CON	NECTICUT						
					White					Negro			Indian	
Year and age	To popu	ıla-		Male			Female	•	Total	Male	Female	Total	Male	Female
			Total	Married	Single	Total	Marrie	d Single						
	2	25	26	27	28	29	30	31	32	33	34	35	36	37
1782	209,	177 202,9	4						² 6,273					
774		61,10 46,82 78,3	4 31,114 8 24,271 0 38,807	30,524 222 28,866	65,658 31,114 24,049 9,941	94,296 30,050 22,557 39,503	30,636 69 29,01	30,050 7 21,860 7 10,486	5,101 2,471 2,630	2,883 1,306	2,218 1,165 1,053	1,363 746 617	635 391 244	728 355 373
Over 70 years		612 126,9	1	1,436	554	2,186	92:	1,264	3,019			617		-
		 " -			<u></u>	,	MAI	NE						
Year and age	Houses	Families	Total		Wh	ite		Ne	gro and mul	atto		Fren	ich neutral	
real and age	Houses	T amples	tion	Total	Ма	ile F	emale	Total	Male	Female	e Tot	tal	Male	Female
	38	39	40	41	42	2	43	44	45	46	47	7	48	49
784 776			50,493 47,767		79	-		488						
764-65 Under 16 years	2,486	3,48	421,857	21,4 10,7		,870 ,532	10,581 5,177	344	192	1	52	62 36	27 16	35 20
16 years and over				10,7	42 5	,338	5,404			. <u></u>		26	11	15

					MARY	LAND				
Year, age,	Total		White			Mulatto			Negro	
and sex	population	Total	Free	Servant	Total	Free	Slave	Total	Free	Slave
	50	51	52	53	54	55	56	57	58	59
1782	254,050	§ 170,688						6 83,362		
1755 Under 16 years (not	7 153,505	108,193	99,352	8,841	3,608	1,460	2,148	41,704	357	41,347
taxable) Male Female	77,444 39,802 37,642	53,321 27,752 25,569	51,773 26,637 25,136	$\substack{1,548\\8\ 1,115\\10\ 433}$	2,026 996 1,030	811 419 392	1,215 577 638	22,097 11,054 11,043	111 71 40	21,986 10,983 11,003
16 years and over (taxable) Male Female 16 years and over	48,811 40,165 8,646	28,469 28,469	23,386 23,386 —	5,083 11 5,083 —	1,388 749 639	554 307 247	834 442 392	18,954 10,947 128,007	188 119 69	18,766 10,828 7,938
(not taxable) Male	27,250	26,403 672	24,193 14 672	2,210	194	95	99	658	18 58	19 595
Female		25,731	23,521	15 2,210						
1712 1710 1704	46,151 42,741 34,912	37,743 34,796 30,437						8,408 7,945 164,475		

		MARYLAND	-Con.	. 1
Year		W	nite	
	Total	Masters and taxable men	Women	Children
	51	60	61	62
1712 1710 1704	37,743 34,796 30,437	11,029 11,091 1711,026	9,081 8,294 18 7,163	17,633 15,411 12,248

Series Z 24-132. Population Censuses Taken in the Colonies and States During the Colonial and Pre-Federal Period: 1624-25 to 1786—Con.

							1624	-25 to	1786—	Con.				· · · ·					
								м	ASSACHUSE	TTS									
Year and	Houses	Families	Total popula-			White		Ne	gro and m	ulatto	_		Indian				French	neutral	
age			tion	Tots	1	Male	Female	Total	Male	Femal	e	Total	Male	Fe	male	Total	М	ale	Female
	63	64	65	66		67	68	69	70	71		72	73		74	75		76	77
1784 1776			307,018 290,900	286,1	39			4,761	-	-				-					
1764–65 Under 16	81,707	43,483	223,841	216,7	1	06,611	110,089	4,891	2,824	2,06	17	1,681	728		953	56	9	274	295
years 16 years				103,4 113,2	ı	52,859 53,752	50,588 59,501		-	-				-		26 30	1	133	128 167
and over				110,2	00	00,102			1					1				111	
				<u> </u>		<u> </u>					W HAI	MPSHIRE							
				1	'otal		11		Free	white						Sla	ve		
	Year	and age		po	pula- tion	Total	ļ	Male			1	Female			Total	M	ale F	'emale	Other
							Total	Single	Married	Total	Sin	gle Ma	rried Wi	dowed					
				_	78	79	80	81	82	83	84	1 8	35	86	87	8	8	89	90
1786				1	,849 1,300	95,452 80.644	41,016	-		89,628					46 19 656	-			351
Under 16 y	re ars .						20,863 14,281									-			
Over 50 yes						1	11												
Under 16 y 16–60 years 60 years an	/ears			l	3,097 	1	18.334	18,334 6,268	10,604	35,684	22,2		,887 1	,569	674		379 	295	
1767				54		ji .	26,264			25,828	15,9	992 8	,467	,364	638		384	249	
Under 16 y 16–60 years 60 years an	9 <u></u>						12,924 12,180 1,160	12,924 4,510	7,670										
-		T			w jer	SEV	11	1	1			<u> </u>			ew jers	NV—C	<u> </u>		
		Total	1	White		1	Negro					Total	1	Whi				Negro	
Year an	nd age	popula- tion	Total		Fema	le Tots	-1	1		r and age		popula- tion	Total	Ма		nale '	Total		Female
		91	92	93	94	95	96	97				91	92	93		-	95	96	97
1784		_	138,934			-			1738			<u> </u>		-	270 20		8,981	2,208	
1772		122,003	21 56 ,797		27,4				Under 16 yea	16 years. rs and ov		21,963 24,713	20,33	9 10,	639 9	700 725	1,624 2,857		775
Under 16 y 16 years ar	ears nd over		28.007	14,253 15,086	13.7	541			1726 Under	16 years.		32,442 15,585 16,857	14.50	1 15, 6 7,	737 14 558 6 179 7	124 948 176	2,581 1,079 1,502	1,435 563 872	1,146 516 630
		-				1		1	1 10,000			10,001	10,00	11					1 000
					EW YO) 						ļ			TEW YOU		n. 	Manne	
Year a	nd age	Total populat	ion	Whit		F2- T	Neg	1	Yea	r and age		Tota populat	ion		White	T-	Tete	Negro	ī
			Tota	l Ma	n n	Fe- T nale	otal Ma	de Fe- male					10	tal	Male	Fe- male	Tota	l Male	male
	···	98	99	100) :	101 1	102 10	3 104	·		,	98	9	9	100	101	102	103	104
1786 Under 16 y			97 219,99 106,57	19 54 9	2071 51	7,531 18, 1,766	889 9,	9,368	Under	16 years.		73,3 34,6		069	32,355 15,457		10,59 4,61	1 9 97	01 9 9 <i>4</i> 0
16-60 year Over 60 ye		[}	113,42	1 -	ľ				Over 6	years 0 years		38,6		1	1,500	15,789		li .	2,656
1771		168,3 74,4		6 33.6	328 32	9,484 19, 2,358 8,	470 4	14 4,056	Under	16 years.		61,5	24 25,	744	26,860 12,988 12,522	12,806	4,18	4,85 0 1,96	$ \begin{array}{c c} 7 & 4,250 \\ 4 & 2,216 \\ 9 & 2,034 \\ \end{array} $
Under 16 y 16–60 year	18	} 22 2	H	ر 36. الم	110 6,	7 126111	Ana / II o .	SE 105				1) 91 c	65 II 96	738 / //	,,,	172 874	SI 4 99	7211 -,=-	
Under 16 y	18	} 22 2	92 77,48	8 \ \ \ \ \ 4.5 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ľ	7,126 11, 9,981 13,	1	562 570 5,978	Over 6	0 years		81,6	- 1	496	12,522 1,400 25,740 8,347	12,816 25,756	8.94	1 4.94	8 3,998

Series Z 24-132. Population Censuses Taken in the Colonies and States During the Colonial and Pre-Federal Period: 1624-25 to 1786—Con.

			NEW YO	вк—Con	•						NEW YO	кСоп	•		
	Total		White			Negro			Total		White			Negro	
Year and age	population	Total	Male	Fe- male	Total	Male	Fe- male	Year and age	population	Total	Male	Fe- male	Total	Male	Fe- male
	98	99	100	101	102	103	104		98	99	100	101	102	103	104
1731	50,286 19,362 30,924	43,055 16,916 26,189	24,853 10,243 14,610	6,673	2,446	4,334 1,402 2,932	1,044	Under 16 years	20,665 10,483 24 10,182	18,282 9,634 8,648	9,197 4,710 4,487	4,924	2,258 849 1,409	1,174 467 707	1,084 382 702
1723AdultsChildren	40,564 21,842 18,722	34,393 17,846 16,547	17,583 9,083 8,500	8,763	6,171 3,996 2,175	2,186		Adults	18,067	15,897 9,743 6,154	5,066	4,677	2,170		
1712–1714 Under 16 years 16–60 years Over 60 years	22 22,608 9,294 10,110	16,979 8,450 7,853 676	8,601 4,389 3,850 362	8,378 4,061 4,003 314	2,425 844 }1,581	1,334 434 900	410								

					RHODE ISLAND				
Year and age	Families	Total		White			Negro		Indian
		population	Total	Male	Female	Total	Male	Female	
	105	106	107	108	109	110	111	112	113
1783		51,887	48,556			25 2 ,806			525
1774Under 16 years	9,450	59,607	54,460 25,079 29,381	26,763 12,731 14,032	27,697 12,348 15,349	3,668			1,479
16 years and over			29,381	14,032	15,349				
1755 Adults Children		40,536	35,839 18,121 17,718	17,860 9,177 8,683	17,979 8,944 9,035	4,697 2,542 2,155	2,887 1,277 1,110	2,310 1,265 1,045	
1748 1730 1708		34,128 17,935 7,181	29,755 15,302	²⁶ 2 , 432		3,101 1,648 426			1,272 985

				VERMONT 27			
	Total		White			Negro	, '
Year and age	population	Total	Male	Female	Total	Male	Female
	114	115	116	117	118	119	120
1771 Under 16 years	4,669 2,389 2,280	4,650 2,383 2,267{	2,503 1,249 1,187 67	2,147 1,134 1,013	19 6 13{	13 2 10 1	} 6 4 2

						VIRG	INIA					
				Wh	iite				Neg	то		
Year	Total popula- tion	Total	Fr	ee	Serv	ants	Children	Total	Male	Female	Children	Indians
			Male	Female	Male	Female						
	121	122	123	124	125	126	127	128	129	130	131	132
1701 1699 1634	28 57,596 29 58,040											
1634 1624-25	4,909 1,227	1,202	432	176	441	46	107	28	11	10	2	2

Represents zero.

1 Corrected total from Greene and Harrington, p. 61. Morse gives total of 202,877 including 39,388 males between the ages of 16 and 50 and 103,735 females.

2 Includes Indians.

3 Includes 900 not distributed by sex.

424,020 total per Williamson with 23,685 whites and 332 Negroes. Also, 2,789 houses and 3,772 families, not including estimates for the plantations.

5 Including 35,268 free males above 18 years of age.

6 Including 27,626 under 8 years of age; 13,399 males and females 8 to 14 years of age; 16,246 males from 14 to 45 years of age; 13,382 females from 14 to 36 years of age; 13,282 females from 14 to 36 years of age; 16,356 per Greene and Harrington, p. 126.

7 153,565 per Greene and Harrington, p. 126.

18 Including 10,048 hired or indented and 67 convicts.

19 1,012 including 412 hired or indented and 21 convicts.

11 Including 3,576 hired or indented and 1,507 convicts.

12 9,007 per Greene and Harrington, p. 126.

¹³ Past labor or cripples. 14 Including 35 clergy and 637 poor men.
15 Including 1,824 hired or indented and 386 convicts. 16Slaves.
17 Masters, freemen, and servants. 18 Freewomen and servants.
18 Reported as Negroes and slaves.
20 1,959 were slaves.
21 Includes 9,736 Quakers and reported Quakers who are whites and distributed by sex and age. 21 Total includes 12 Indians who paid taxes.
23 Includes 3,204 persons in Kings and Richmond counties not returned in detail.
24 Total includes 125 over 60 years of age not distributed by sex or race.
25 Including 464 mulattoes.
26 Including 1,015 freemen, 1,362 militia, and 55 white servants.
27 These figures cover Cumberland and Gloucester counties which were superseded after Vermont became a State. Vermont was enumerated in the New York Census of 1771.
28 Includes 21,712 tithables and 35,884 untithables.
29 Includes 21,606 tithables and 36,434 untithables.

Series Z 133-145. Slave Trade, by Origin and Destination: 1768 to 1772

[For years ending January 4 of following year]

					1	!	j						
Year and origin or destination	Total	New Hamp- shire	Massa- chusetts	Rhode Island	Connect- icut	New York	Pennsyl- vania	Mary- land	Virginia	North Carolina	South Carolina	Georgia	Florida
	133	134	135	136	137	138	139	140	141	142	143	144	145
ImportsAfricaWest IndiesContinental Colonies	10,165 6,638 3,146 381	4	4	2		23 19 4		175 86 82 7	2,104 1,271 794 39	155 145 10	7,201 5,145 2,027 29	328 117 69 142	169 19 150
Exports West Indies Continental Colonies	495 3 492	4				2 2	20 20			5 5	463 468	1 1	
1771 ImportsAfrica Africa	4,970 2,754 2,020 196 341 3		1 1	12 7 5 6	1 1	9 8 1	1 1	227 194 27 6 2 2	762 13 744 5	82 7 68 7	3,100 2,051 998 51 297 1 296	758 489 148 121 5	20 20 28 28
1770 Imports	3,069 2,266 600 203 144 27 117		i			2		532 517 14 1 1	905 631 274	115 103 12 19 14 5	123 81 42 88 5 83	1,144 875 126 143 22 7	181 176 5
1769 Imports	6,736 5,161 1,222 353 336 9	4		6 6 4 4			10	208 180 23 	498 234 258 1	169 36 79 54 5	4,888 4,138 675 75 298 3	687 448 91 148 28	276 119 82 75
Imports 1768 West Indies 1 Continental Colonies West Indies Continental Colonies Continental Colonies Continental Colonies Continental Colonies West Indies Continental Colonies Continental Colonies Continental Colonies Continental Colonies West Indies Continental Colonies Continental Colonies Continental Colonies Co	2,496 2,204 292 282 107 175	12 12 12		70 59 11 34 8 26	14 14	19 19		301 288 13 14 1 1	354 354	198 170 28 14 1 1	249 187 62 39	1,001 971 30 61 5	278 130 148 119 92 27

¹ Includes Africa.

Series Z 146-149. Slave Trade in Virginia: 1619 to 1767

[For years ending December 24, except 1619-1699, unknown. Italic figures do not purport to be complete]

		Imported		Exported			Imported		Exported			Imported	
Year	Total	Africa	Elsewhere		Year	Total	Africa	Elsewhere	•	Year	Total	Africa	Elsewhere
	146	147	148	149		146	147	148	149		146	147	148
767	61	(1)	61	(1)	1787	2,174	2,044	180	263	1701		796	
766	112	`´108	66	4	1736 2	8,222	8,166	56	52	1700		229	
765	66	(1)	66	(1)	1735	2,104	1,798	306	(1)	1699 4	349		
764	967	`´922	45	10	1784	1,587	1,231	856	47	1687		120	
768	1,195	1,080	115	_3	1788 *	1,720	1,245	475	21	1685	191	5 190	1
762	1,810	1,787	23	92	1782	1,291	1,223	68	149	4004		l	
761	1,581	1,470	111	28	1781	184	130	54	(1)	1684		34	
	4 450		١ .		1500	1 276	1 276	(1)	1	1679		245	
760 2	1,158	1,152	6 43	52	1780 1729				(1) (1)	1678		120	
758	43	- m	48	(1)	1728	26	(1)	1 4	(9)	1677 1674		\$ 150 \$ 650	
757 756	4	(1)	1 *	ام (۲۰)	1727	785	24	735	21	10/4		. 650	
755 2	565	456	109	z g	1726		2.149	100	55	1665 4	59		
754 2	399	249	150	(1) E	1725		7,143		142	1662 4	80		
758	21	(1)	21	(-)	1724		464	}		1656	30		
	3 3,515	23.515	(1)	11	1723		694			1652 4	30		
752	1.194	982	212	(1)	1722		239			1649	17		
701 4	1,194	902	212	(-)	1721		1.960			1643 4	18		
750	1,010	849	161	_	1121		1,000			1642 4	100		
750 749 ²	2.338	1.826	512		1720	i i	1.368	ĺ		1042	'		
747	2,000	(1)	28	(1) (1)	1719		1.842			1689 4	46		
746	1,647	1.299	348	10	1710-1718	552	233	319		1688 4	30		
745	654	512	142	10	1110-1110	1	200	1 010		1687 4	28		
744	672	486	186	_	1709	1	826			1686 4	~~		
743	1.428	1.820	108		1708		598			1685 4	26		
742	1,529	1,095	484	68	1707		713			1000	20		
	947	687	260	36	1706		1,013			1628	100		
741	341	""	200	30	1705		1.639			1628	100		
740	1.646	984	712	6	1704		987			1622	1 1		
789	1,710	1,628	87	7	1708		156			1621	1 1		
		839	262		1700		481			1619	21		21
738	1,101	639	202	_ ~ '	1702		401			1010	1 21	_	41

Represents zero.
 Information lacking or too incomplete to calculate.
 Figures have been extended on basis of partial data.
 Annual average. Source also shows 72 Indian alaves imported; 231 slaves died and 103 drawn back for exportation during the 9 years.

⁴ Number of headrights granted. ⁵ Number of Negroes shipped, not those actually arrived.

SLAVES **Z 150–164**

Series Z 150-154. Slave Trade in New York: 1701 to 1764

[For years ending December 24, except 1701-1718, unknown; 1754-1764, January 4 of following year]

		Imp	orted					Impo	orted		
Year	Total	Africa	Continental Colonies	Elsewhere	Exported	Year	Total	Africa	Continental Colonies	Elsewhere	Exported
	150	151	152	153	154		150	151	152	153	154
1764 1763 1754 1748 1748 1748 1749 1740 1739 1738 1737 1736	35 205 65 10 7 14 55 56 100 118 99	196 65	2 7 4 11 51 3	35 9 10 7 12 48 52 89 64 96 13	1 41 10 10	1726. 1725. 1724. 1728. 1722. 1721. 1720. 1719. 1718. 1717. 1716. 1715. 1714.	176 211 64 101 96 205 77 104 517 334 62 55	70 266 43 38	32 6 8 1 2 11	144 146 56 100 96 86 104 447 68 19	6 6 5 3 4 1 8
1735 1734 1738 1732 1731 1731 1729 1729 1728	121 52 257 1189 2309 165 211 130 221	100 10 2130	2 1 1 1 2 2 7 11 4 3	119 51 156 138 2 177 158 200 126 218	7 5 3 10 14 8 14 1	1712 1711 1710 1705 1704 1703 1702 1701	77 55 53 24 8 16 165 36	1		8 16 165 36	

¹ Partial year.

Series Z 155-164. Slaves Imported Into Charleston, S.C., by Origin: 1706 to 1775

[Data for number of slaves for 1740–1745, 1749–1767, and 1770–1771 for some ports are projections based upon a division of the average duty per slave over time into the total annual duty paid]

	Total imp	ortations	From Afri	can ports	From Carit	bean ports	From North A	merican ports	From othe	r locations
Year	Slaves	Cargoes	Slaves	Cargoes	Slaves	Cargoes	Slaves	Cargoes	Slaves	Cargoes
, · · · · · · · · · · · · · · · · · · ·	155	156	157	158	159	160	161	162	163	164
Total	1 83,825	1,261	67,269	453	11,220	666	464	133	18	9
1775 1774 1773 1772 1771	3 4,592 7,845 4,740 2,035	1 87 97 90 77	4,261 7,246 3,072 1,298	49 47 18 8	213 553 1,611 698	28 29 53 51	3 115 40 57 44	1 9 19 19 19	3 6 -	1 2 -
1770 1769 1768 *	1,596 4,652 6 4	19 67 8 1	1,557 4,053 —	9 25 -	23 589 4 -	7 38 1 -	² 16 10 1 4	8 4 1 1	- 1 -	- 1
1765 1764 1763 1762 1761	6,520 2,604 1,341 470 1,497	106 65 29 14 13	4,415 2,068 1,137 441 1,483	37 13 8 2 9	2,032 ² 529 201 23 9	65 46 18 6 3	73 5 3 6 5	4 4 3 6 1	- 2 - -	2 - - -
1760 1759 1758 1757 1756	8,716 1,839 3,204 1,251 1,612	22 20 29 18 20	3,669 1,665 3,048 906 1,568	17 11 14 5 12	46 173 155 844 37	4 8 14 12 4	1 1 1 1 7	1 1 1 1 4	- - - -	-
1755 1754 1753 1752 1751	1,594 2,040 1,356 1,619 608	50 33 27 30 22	1,156 1,616 1,016 1,051 840	10 12 7 5 2	422 414 339 567 267	80 17 19 24 19	16 10 1 1	10 4 1 1	- - - -	- - - -
1750 1749 1748 1747	739 13 424 6	14 2 9 1	658 409 -	6 - 5 -	81 13 15 6	8 2 4 1	- - -	111	- - - -	- - -

² Figures have been extended on basis of partial data.

Z 155-168

COLONIAL AND PRE-FEDERAL STATISTICS

Series Z 155-164. Slaves Imported Into Charleston, S.C., by Origin: 1706 to 1775—Con.

	Total imp	portations	From Afr	ican ports	From Cari	bean ports	From North A	merican ports	From othe	r locations
Year	Slaves	Cargoes	Slaves	Cargoes	Slaves	Cargoes	Slaves	Cargoes	Slaves	Cargoes
	155	156	157	158	159	160	161	162	163	164
1745	7 291 81 1	3 6 2 1	289	- 5 	7 2 81	3 1 2 -	- - 1	- - - 1	-	- - -
1740 1739 1738 1737 1737	740 2,017 2,508 1,063 3,526	12 16 20 13 24	714 1,975 2,495 1,055 8,500	6 12 18 8 19	26 42 13 1 25	6 4 2 1 4	- - 1 1	- - 1 1	- - - 6	- - - 3
1785 1784 1733 1782 1781 1782 1781	2,723 1,805 179 996 1,766 652	28 39 3 18 25 9	2,641 1,319 2160 810 1,611 2610	11 7 1 4 9	80 480 19 168 144 242	15 29 2 12 13 6	2 6 18 11	2 3 - 2 3	- - - - -	
1725 1724 1728 1728 1722 4 1721 4	\$ 433 \$ 800 436 323 165	1 12 4 4	763 192	5 1	1 4 35 38 2 38	³ 1 5 3 4	2	2		
1720 4 1719 4 1718	601 541 6 566 6 619 67	19 17 19	² 221 392 394	3 4 6	² 212 174 225	16 13 13	-			
1715 1714 1713 1712	81 419 159 76 170									
1710 1709 1708 1707	131 107 53 22 24									

Series Z 165-168. British-American and West African Slave Prices: 1638-42 to 1773-75 [Averages]

	British-A slave j		West A			British-A slave j		West A slave p	
Period	Number of observations	Price in pounds sterling	Number of observations	Price in pounds sterling	Period	Number of observations	Price in pounds sterling	Number of observations	Price in pounds sterling
	165	166	167	168		165	166	167	168
1773-75 1768-72 1763-67 1758-62 1753-57	28 21 11	44.08 38.39 34.74 35.61 33.10	11 17 18 11 22	17.04 17.72 15.91 13.71 13.66	1698-1702 1693-97 1688-92 1683-87 1678-82	26 9 5 10 29	23.68 26.02 23.85 19.95 19.32	24 5 4 18 20	5.21 4.19 3.37 3.92 3.28
1748-52 1743-47 1738-42 1733-37 1728-32	9 11 5	27.12 31.04 26.64 18.50 24.91	28 8 6 13 13	14.01 11.21 17.43 15.37 12.86	1673-77 1668-72 1663-67 1658-62 1653-57	19 20 15 3 2	21.92 21.14 21.14 21.12 24.09	5 4 2 1 1	2.04 3.03 5.41 3.01 11.38
1723-27 1718-22 1713-17 1708-12 1703-07	13 9 24	28.92 24.11 25.67 24.37 26.37	18 21 23 14 13	11.87 11.13 9.88 8.75 8.87	1648-52 1643-47 1638-42	3 3 3	27.70 20.20 16.50	1 3 2	6.72 1.87 3.91

Represents zero.
 ¹ Total number of slaves imported is greater than sum of source of importation; detailed figures are incomplete for early years.
 ² Incomplete; records missing.
 ³ A three year prohibition of external slave trade was in effect during 1766 to 1768.
 ⁴ A prohibitively high duty on slave importation was in effect during 1719 to 1722 and 1741 to 1744.

⁵ Totals for 1725 and 1726 were obtained from BPRO Transcripts, C.O. 5, p. 387, and Elizabeth Donnan, ed., *Documents Illustrative of the History of the Slave Trade to America*, vol. IV, p. 267. Detailed figures for the source of importation for these years and earlier are missing.

⁶ Data from the "Shipping Records" of the Naval Officer of Charleston.

Series Z 169-191. Components of Private Wealth Per Free Capita for the Thirteen Colonies, by Region: 1774 [In pounds sterling. One pound sterling in 1774 = \$37.86 in 1973. Figures are averages per capita excluding slaves and indentured servants]

Series No.	Kind of wealth	Thirteen Colonies	New England	Middle Colonies	South	Series No.	Kind of wealth	Thirteen Colonies	New England	Middle Colonies	South
169 170 171 172 173 174 175 176 177	Net worth Physical wealth Land Portable physical wealth Servants and slaves Producers' durables Livestock Farm tools, other equipment of clearly separable nonfarm business Materials Producers' perishables Crops	74.1 76.0 87.7 38.3 21.3 8.0 5.8 1.9	32.7 38.2 27.3 10.9 4.5 2.9 1.3 (Z)	51.3 46.0 27.8 18.2 1.9 7.1 5.2 1.4	131.9 136.8 55.4 81.3 57.7 12.2 9.0 2.8	182 183 184 185 186 186 187 188 189	Physical wealth—Con. Portable physical wealth— Con. Consumers' durables Apparel Other Consumers' perishables Separable nonfarm business inventories Nonseparable items 1 Financial assets Cash Other "good" "Doubtful," "bad," "desperate"	4.9 .9 4.0 .4 .9 .3 12.3 1.5 10.3	4.3 .9 3.4 .2 1.0 .2 6.8 .4 6.3	3.9 1.2 2.7 .3 1.7 16.0 2.0 13.9	6.3 .8 5.6 .7 .3 14.0 1.9 10.7
181	Other	.2	.4	.1	.1	191	Financial liabilities	14.2	(Z) 12.2	10.6	18.8

Represents zero. Z Less than 0.05 pound.

 Occasional adjustments from supplementary information in estate accounts were appropriately added to or subtracted from affected wealth subcategory when information was sufficiently specific. Where no breakdown of such an adjustment as "what

the goods sold for more than appraised," in the Middle Colonies, it appears here. Also includes, for New England, several cases where no subdivision of "Personal estate" was shown on the probate inventory.

Series Z 192-194. Agriculture Censuses in Maine, Massachusetts, and New Jersey: 1784

	Acres of improved land	Number of horses	Number of horned cattle
State	192	193	194
Maine Massachusetts New Jersey	165,810 921,563 2,032,587	5,448 43,969 52,488	49,006 237,993 102,221

Series Z 195-212. Basic Weekly Diets in Britain and America: 1622 to 1790

[In pounds or gallons unless otherwise specified]

Year	Calories per day	Bis- cuits	Bread	Flour	Oat- meal	Peas	Rice	Corn- meal	Fish	Beef	Pork	Bacon	Cheese	Butter	Beer	Mo- lasses	Rum	Other
	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212
Before 1861, majority of slaves in	3,400-4,100							1 peck		 -	3½0	r 3 ½						
About 1790, slaves on Washington's plantation 1780, French prisoners returned to	2,800		 					11.3	2.4									10.42
France and English repatriates	3,100 2,600-4,000		7 7 o	 r 7				13/4		7 7 or	61/8				3 1/2			
	3,600-4,200 3,000-5,400		7 o			3 pts 3 3 pts		1 qt 41 pt	7 c	7 or t	5¼ ¼				1¾ o	7 gills r ⁶³ /100		2 7 gills
About 1770, convicts sent to Va., Md., and Carolinas from England 1761, British Army in Canada 1757, Va. Militia in the field	2,000 3,800-3,800 2,900		42/3	7	13⁄8	1 3 pts				³ ⁄ ₈ 7 c	1/2 or 4		3 ∕8	3/6		1½ lb		61∕s gill
1755, Acadians sent to Md 1747, English prisoners of French,	1,400			5							1							
at Quebec	1,800-2,800 4,000		7 7			71 34 pts 3 2 qts			15/16	or 3½ o				<u>ī</u>	14/5		⁷ ∕16	(8)
gersFirst half of 18th century, Mass. Militia:	3,600		61/8	2		1 pt			1/2	31/5	2			1/10	21 pts			9 2/5
Post allowance Marching allowance First half of 18th century, Mass.	3,100 2,700		7 7			3 ½ pts					42/9					1/6	7 gills	
privateers	4,600 4,400	- 7	7			1 qt		1 pt		3 3½	4	3 1/2	3 1/2		7			
1638, Josslyn voyage to New England, immigrants 1632, children's hospital at Nor-	4,900		7 6%s		7/50 gal	1½ pts			11/2	4 1/8 1 1/6	İ		34	141/)			(10) 11 3 pts
wich, England	2,700 5,300-6,200	$\left\{egin{array}{c} 7 \\ 7 \\ 7 \end{array} ight.$	6716			2 pts 2 pts			$1\frac{1}{2}$ $1\frac{1}{2}$ $1\frac{1}{2}$	8 4		2	1 98 34 34 34	14½ oz 3/8 3/8 3/8 3/8	2916 7 7 7			

¹ Meat.
2 Vinegar.
3 Peas or beans.
4 ½ pint of rice or 1 pint of cornmeal.
5 Milk.

 ⁷ With pork ration only.
 8 10½ spoonfuls of oil, and 21 spoonfuls of vinegar, with fish only.
 9 Suet or plums.
 10 Vinegar and mustard; quantity unknown.
 11 Pottage.
 12 Sailors received 1 of the 3 different diets.

Series Z 213-226. Value of Exports To and Imports From England by American Colonies and States: 1697 to 1791
[In pounds sterling. For years ending December 24, except as noted]

	To	tal		ngland		York		/lvania	- 	is and	Caro	olina	Geo	rgia
Year	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
	213	214	215	216	217	218	219	220	221	222	223	224	225	226
1791 1790 1789 1788 1788 1787	1,011,313 1,043,389 893,296 883,618 780,444 743,644	4,014,416 3,258,238 2,306,529 1,709,928 1,794,214 1,431,255	75,750 98,383 88,488 66,306 67,399 45,303	580,737 938,784 847,624 232,744 200,693 125,128		772,187 497,699 400,693 301,932 339,444 204,285				1,440,194 1,292,207 803,043 656,678 744,143 701,834		431,880 359,592 359,214 291,429 281,647 181,410	51,580 59,875 25,556 24,765 24,215 31,629	
1785	775,892 701,190 314,058 28,676 99,847	2,078,744 3,418,407 1,435,229 256,325 847,883	56,648 49,831 26,350 2,068	162,939 521,743 199,558	56,844 43,360 83,413 7,690 2,905	547.132	I 68 828	344,986 653,678 239,462	350,122 352,742 93,888	857,069 1,099,782 199,657	212,229 163,540 74,589 14,182 94,368	278,389 442,465 226,737 69,743 330,847	44,065 22,889 5,765 6,804 506	44,396 47,231 22,683 340 14,059
1780	18,560 20,579 17,694 12,619 103,964	825,431 349,797 33,986 57,295 55,415	32 808 372 1,880 762	55,050	15,532 14,862 16,192 8,430 2,318	496,602 349,712 26,449 57,295	37 570 56 17 1,421	7,537	58 73,226		708 3,732 1,074 2,234 13,668	236,941	607	91,888 85
1775 1774 1773 1772 1771	1,920,950 1,373,846 1,369,229 1,258,515 1,339,840	196,162 2,590,437 12,079,412 3,012,635 4,202,472	116,588 112,248 124,624 126,265 150,381	71,625 562,476 527,055 824,830 1,420,119	187,018 80,008 76,246 82,707 95,875	1,228 437,937 289,214 343,970 653,621	175,962 69,611 36,652	1 966			579,549 432,302 456,513 425,923	6,245 378,116 344,859 449,610 409,169	108,477 67,647 85,391	118,777 57,518 62.982
1770	1,015,585 1,060,206 1,251,454 1,096,079 1,043,958	1,925,571 1,336,122 2,157,218 1,900,923 1,804,333	148,011 129,353 148,375 128,207 141,733	394,451 207,993 419,797 406,081 409,642	69,882 73,466 87,115 61,422 67,020		l	194 001	435,094 361,892 406,048 437,926 461,693			146.273	55,532 82,270	
1765	1,151,698 1,110,572 1,106,161 742,632 847,892	1,944,114 2,249,710 1,631,997 1,377,160 1,652,078	145,819 88,157 74,815 41,733 46,225	451,299 459,765 258,854 247,385 334,225	54,959 53,697 153,989 58,882 48,648		95 148		505 671			334,709 305,808 250,132 194,170 254,587	94 100	
1760 1759 1758 1757 1756	761,099 639,909 670,720 610,684 659,356	2,611,764 2,345,453 1,712,887 1,628,348 1,352,178	37,802 25,985 30,204 27,556 47,359	599,647 527,067 465,694 363,404 384,371	21,125 21,684 14,260 19,168 24,073		22,754 22,404 21,383 14,190 20,095	707,998 498,161 260,953 268,426 200,169	504,451 357,228 454,362 418,881 337,759			218,131 215,255 181.002		15,178 10,212 2,571
1755	939,553 1,007,759 972,740 1,004,182 835,651	1,112,997 1,176,279 1,452,944 1,148,127 1,233,168	59,533 66,538 83,395 74,313 63,287	341,796 329,433 845,523 273,340 305,974	28,054 26,663 50,553 40,648 42,363	151,071 127,497 277,864 194,030 248,941	32,336 30,649 38,527 29,978 23,870	144,456 244,647 245,644 201,666 190,917	489,668 573,435 632,574 569,453 460,085	285,157 323,513 356,776 325,151 347,027	325,525 307,238 164,634 288,264 245,491	187,887 149,215 213,009 150,777 138,244	4,437 3,236 3,057 1,526 555	14,128 3,163
1750		1,313,083 1,230,386 830,433 726,669 755,926	48,455 39,999 29,748 41,771 38,612	343,659 238,286 197,682 210,640 209,177	35,634 23,413 12,358 14,992 8,841	267,130 265,773 143,311 137,984 86,712	28,191 14,944 12,363 3,832 15,779	217,713 238,637 75,330 82,404 73,699	508,939 434,618 494,852 492,619 419,371	349,419 323,600 252,624 200,088 282,545	191,607 150,499 167,305 107,500 76,897	133,037 164,085 160,172 95,529 102,809	1,942 51	2,125 5 1,314 24 984
1745	554,481 667,524 880,807 659,227 912,291	535,253 640,881 829,273 800,052 885,492	38,948 50,248 63,185 53,166 60,052	140,463 143,982 172,461 148,899 198,147	14,083 14,527 15,067 13,536 21,142	54,957 119,920 135,487 167,591 140,430	10,130 7,446 9,596 8,527 17,158	54,280 62,214 79,340 75,295 91,010	399,423 402,709 557,821 427,769 577,109	197,799 234,855 328,195 264,186 248,582	91,847 192,594 235,136 154,607 236,880	86,815 79,141 111,499 127,063 204,770	1,622	989 769 2,291 17,018 2,553
1740		695,869 751,270		171,081 220,378 203,233 223,928 222,158	21,498 18,459 16,228 16,833 17,944	118,777 106,070 133,438 125,833 86,000	15,048 8,134 11,918 15,198 20,786	56,751 54,452 61,450 56,690 61,513	341,997 444,654 391,814 492,246 380,163	281,428 217,200 258,860 211,301 204,794	266,560 236,192 141,119 187,758 214,083	94 445	924 233 17	3,524 3,324 6,496 5,701 2,012
1785		548,890	72,899 82,252 61,983 64,095 49,048	189,125 146,460 184,570 216,600 183,467	14,155 15,307 11,626 9,411 20,756	80,405 81,758 65,417 65,540 66,116	21,919 20,217 14,776 8,524 12,786	48,804 54,392 40,565 41,698 44,260	394,995 373,090 403,198 310,799 408,502	220,381 172,086 186,177 148,289 171,278	145,348 120,466 177,845 126,207 159,771	99,658 70,466 58,298 71,145	3,010 18 203 	1,921 1,695 828
1780		517,861 502,927		208,196 161,102 194,590 187,277 200,882	8,740 15,833 21,141 31,617 38,807	64,356 64,760 81,634 67,452 84,866	10,582 7,434 15,230 12,823 5,960	48,592 29,799 37,478 31,979 37,634	346,823 386,174 413,089 421,588 324,767		151,739 113,329 91,175 96,055 93,453			
1725	415,650 462,681 461,761 437,696 493,871	461,584 411,590 424,725 331,905		201,768 168,507 176,486 183,722 114,524	24,976 21,191 27,992 20,118 15,681	70,650 63,020 58,013 57,478 50,754	11,981 4,057 8,332 6,882 8,037	42,209 30,324 15,992 26,397 21,548	214,730 277,344 287,997 283,091 357,812	195,884 161,894 123,853 172,754 127,876	91,942 90,504 78,103 79,650 61,858	39,182 37,839 42,246 34,374 17,703		
1720	468,188 463,054 2 457,471 2 426,090 2 424,389	319,702 393,000 2425,383 2439,666 2402,042	49,206 54,452 61,591 58,898 69,595	128,767 125,317 131,885 132,001 121,156	16,836 19,596 27,331 24,534 21,971	37,397 56,355 62,966 44,140 52,173	7,928 6,564 5,588 4,499 5,193	24,531 27,068 22,716 22,505 21,842	331,482 332,069 316,576 296,884 281,343	110,717 164,630 191,925 215,962 179,599	62,736 50,373 46,385 41,275 46,287	18,290 19,630 15,841 25,058 27,272		

Series Z 213-226. Value of Exports To and Imports From England by American Colonies and States: 1697 to 1791—Con.

[In pounds sterling]

	То	tal	New E	ngland	New	York	Pennsy	rlvania	Virginia and	i Maryland	Caro	ling
Year	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
	213	214	215	216	217	218	219	220	221	222	223	224
1715	2 297,246	1 451,866	66,555	164,650	21,816	54,629	5,461	1 16,182	174,756	199,274	29,158	16,631
1714	2 395,774	2 333,443	51,541	121,288	29,810	44,643	2,663	14,927	280,470	128,878	31,290	23,712
1718	2 303,222	2 284,556	49,904	120,778	14,428	46,470	178	17,037	206,263	76,304	32,449	28,967
1718	2 365,971	2 309,691	24,699	128,105	12,466	18,524	1,471	8,464	297,941	134,583	29,394	20,018
1712	2 324,698	2 297,626	26,415	137,421	12,193	28,856	38	19,408	273,181	91,535	12,871	20,406
1710	249,814	2 293,659	31,112	106,338	8,203	31,475	1,277	8,594	188,429	127,639	20,793	19,618
1709	324,534	2 269,596	29,559	120,349	12,259	34,577	617	5,881	261,668	80,268	20,431	28,521
1708	286,435	240,183	49,635	115,505	10,847	26,899	2,120	6,722	213,493	79,061	10,340	11,996
1707	284,798	413,244	38,793	120,631	14,283	29,855	786	14,365	207,625	237,901	23,311	10,492
1706	187,073	161,691	22,210	57,050	2,849	31,588	4,210	11,037	149,152	58,015	8,652	4,001
1705	204 295	291,722	22,793	62,504	7,393	27,902	1,309	7,206	116,768	174,322	2,698	19,788
1704		176,088	30,823	74,896	10,540	22,294	2,430	11,819	264,112	60,458	14,067	6,62
1708		296,210	33,539	59,608	7,471	17,562	5,160	9,899	144,928	196,713	13,197	12,428
1702		186,809	37,026	64,625	7,965	29,991	4,145	9,342	274,782	72,391	11,870	10,466
1701		343,826	32,656	86,322	18,547	31,910	5,220	12,003	235,738	199,683	16,973	13,908
700	395,021	344,341	41,486	91,918	17,567	49,410	4,608	18,529	317,302	173,481	14,058	11,00
699	255,397	403,614	26,660	127,279	16,818	42,792	1,477	17,064	198,115	205,078	12,327	11,40
698 3	226,055	458,097	31,254	93,517	8,763	25,279	2,720	10,704	174,053	310,135	9,265	18,46
697 8	279,852	140,129	26,282	68,468	10,093	4,579	3,347	2,997	227,756	58,796	12,374	5,28

Series Z 227-244. Value of Exports To and Imports From Scotland by American Colonies and States: 1740 to 1791 [In pounds sterling]

	То	tal	New E	ingland	New '	York	Pennsy	ivan <u>i</u> a	Mar	yland
Year	Enforts	Imports	Imports Exports	Exports	Freers	Exports	Theoris Exports	Experts Imports	Exposts	Exports
	227	228	229	230	231	232	233	234	235	236
1791 1790 1789 1788 1788 1787	209,083 173,542 188,893 176,224 219,898 172,211	182,866 147,682 156,894 140,171 113,191 99,476	8,002 1,189 2,494 946 682 1,705	3,464 2,481 1,904 840 297 89	51,979 34,428 29,252 28,743 21,585 22,008	12,901 22,364 19,030 14,241 6,429 5,896	7,602 3,383 5,021 9,109 3,484 7,722	1,191 2,318 —	22,182 11,302 13,588 30,241 26,142 7,919	20,070 12,532 293 2,258 2,976 96
1785 1784 1783 1782 1781	229,282 319,604 108,636 44,324 147,568	117,705 48,140 34,670 106,827 44,310	410 4,818 2,998	1,248 176 -	14,798 56,040 56,020 44,324 101,219	4,828 3,943 19,366 106,827 32,866	24,230 35,813 5,796 —	1,722 1,435 801	4,387 11,521 2,458	5,362 4,789 —
1780	171,317 62,626 35,210 35,553 905	79,687 33,815 24,834 3,991 81,852	 - - 905	2,200 - - - -	73,705 62,505 28,693 35,553	52,308 33,599 21,303 3,161	6,517 	8,662 216 - -	- - - - -	1,177 13,606
1775 1774 1778 1772 1771	24,193 253,032 233,053 298,088 374,472	536,112 473,070 517,954 541,896 606,464	13,489 14,175 16,110 19,592 15,718	11,587 11,550 7,454 12,775 12,542	241 21,701 6,789 5,494 1,529	9,204 3,472 2,304 - 19	19,973 9,492 18,032 18,725	758 - 70 20,042	24,454 15,887 50,747 52,999	140,644 84,235 91,232 122,517 125,424
1770	335,964 268,849 233,101 267,187 177,666	482,206 471,307 405,128 376,810 383,542	22,243 15,701 11,010 10,105 9,773	9,432 13,422 9,429 19,309 15,809	4,229 1,013 7,743 6.022 2,088	29,115 39,916 4,694 3,072	4,758 5,070 9,722 11,291 6,854	2,956 2,001 2,265 5,022 1,292	54,458 51,512 40,774 30,538 37,790	97,667 98,353 97,242 94,908 78,859
1765 1764 1763 1762 1761	175,811 224,949 260,943 169,961 144,520	421,944 337,962 353,811 326,347 312,713	17,404 28,792 20,405 14,258 4,245	29,754 9,104 4,282 9,403 5,627	4,996 8,894 17,698 22,563 3,774	4,932 8,197 - 2,981 811	5,653 3,096 11,913 - -	3,963 6,440 250 616 1,038	27,012 18,234 20,923 19,579 45,664	84,543 56,625 71,846 59,535 92,270
1760 1759 1758 1757 1756	186,014 160,544 135,235 123,794 111,665	389,394 209,858 315,970 209,431 162,151	12,132 22,715 11,723 7,841 9,957	2,006 755 71 4,513 14,418	10,959 13,789 7,360 10,174 8,063	13,241 6,224 286 303 1,630	1,597 4,626 1,984 641 106	92 1,584 1,176 2,390	43,044 15,858 19,147 16,615 14,097	84,288 45,883 68,485 35,523 40,239

⁻ Represents zero.

³ For years ending Sept. 28.

¹ Corrected figures, wrong in 1957 volume; see text.

² Corrected figures. Figures shown in source for 1709-1718 incorrectly presented as totals of components.

Series Z 227–244. Value of Exports To and Imports From Scotland by American Colonies and States: 1740 to 1791—Con.

[In pounds sterling]

	То	tal	New E	ngland	New	York	Penns	ylvania	Maryland		
Year	In Cofts	ExpoRts Imports	Experts	Exports Imports	Exports	Importe	Imports	Exports Exports	Imports	Exports Imports	
	227	228	229	230	231	232	233	234	235	236	
1755 1754 1753 1752 1751	121 313	185,480 167,481 215,217 187,011 199,521	6,218 7,976 12,386 13,754 21,242	6,243 7,055 6,319 5,975 6,402	1,024 666 3,767 1,555 1,417	1,121 1,357 936 2,019	2,001 1,079 2,547 1,309 2,214	4,852 1,395 1,217 5	8,498 9,877 6,046 7,609 17,550	28,858 25,414 27,003 20,928 27,123	
1750	114,819 191,634	160,797 178,582 162,677 117,192 99,981	14,385 11,370 25,961 18,259 22,827	3,205 4,629 2,703 5,545 2,477	1,944 1,466 - 2,787		500 1,521 61 5,157 407	896 _ _ 1,148 _	14,341 9,109 19,231 16,211 6,000	26,246 31,387 18,105 6,234 10,924	
1745	89,656 130,460 108,654	124,140 108,494 119,799 101,725 86,118 52,146	5,601 7,112 7,003 13,022 4,380 5,714	979 2,419 1,615 1,988 8,978 2,301			1,658 2,800 2,634 735 936	1,269 - 564 778 595	4,640 555 8,237 11,272 2,449 528	17,734 16,186 22,947 15,611 19,029 9,910	

	Virg	rinia	North (Carolina	South C	arolina	Geo	rgia
Year	Imports Imports	Exports Imports	Impacts Experts	Exports Imports	Dreckts Emperis	Emports Imports	Imports Exposts	Exports
	237	238	239	240	241	242	243	244
1791	85,844 85,748 95,837 79,363 135,479 115,068	104,846 70,280 92,519 95,992 76,142 75,548	11,758 15,665 19,643 9,668 18,850 6,643	19,606 14,952 19,984 15,505 7,200 10,024	21,666 21,009 22,025 17,560 17,570 11,146	18,862 18,358 23,087 8,725 17,186 7,811	818 1,033 594 1,606	3,617 5,524 77 292 2,961 12
1785	153,647 161,043 17,719	88,097 32,720 11,175 —	12,444 30,611 7,656	7,288 2,210 991	19,366 19,758 15,989 46,849	8,559 1,795 2,161 11,057		1,854 - - - - 887
1780 1779 1778 1777 1777	- - - -	15,296 830 68,172	1	 - - 74	69,519 - - - -	1,221 2,354 -	28,098 121 - -	- - - -
1775 1774 1778 1778 1772	136,874 144,636 170,913 250,401	348,041 341,407 374,243 385,556 423,105	395 28,491 19,653 18,562 14,088	25,878 82,380 24,586 16,716 16,458	140 5,859 16,366 11,481 19,765	3,563 4,262 8,874	9,928 1,505 4,170 3,267 1,302	
1770 1769 1768 1767 1767	224,917 175,069 152,795 184,506 109,391	315,236 299,715 273,364 237,156 255,481	17,968 11,847 6,330 14,884 7,063	16,911 11,312 8,708 12,247 12,467	4,259 8,637 4,727 9,694 4,707	10,368 6,588 9,426 5,096 19,819	3,187	526 - - - - -
1765 1764 1763 1762 1761	108,642 155,266 175,112 104,976 86,514	288,860 244,723 272,251 242,057 196,992	7,408 4,487 4,848 2,557 400	4,342 6,849 1,822 1,086 3,382	4,696 6,230 10,049 6,028 8,928	4,954 6,024 8,360 10,669 11,268		596 - 1,325
1760	112,021 96,381 89,296 85,676 74,399	270,299 124,179 221,320 156,956 95,006	3,141 460 305 1,484	1,988 7,258 4,348 812	3,120 6,715 5,420 1,363 5,048	17,530 21,512 20,449 10,148 8,468		2,468 1,016
17551754175817521751	91,002 96,288 120,901 124,991 113,449	145,659 130,237 177,824 154,814 163,488	481 1,046 178 2,070 2,713	1,716 1,473 - 281 430	917 4,381 11,722 3,802 5,620	2,036 550 3,635 1,777 2,078		
1750	94,529 85,144 146,381 146,337 142,361	128,804 187,895 128,049 91,285 75,784	576 - - -	849 865 	1,497 5,683 - 1,809 8,859	1,297 4,806 13,820 12,980 10,846		
1745	82,038 77,905 112,550 81,726 70,204 74,724	103,568 77,392 93,253 79,575 62,330 38,125	460 838	595 789 1,694 1,710 1,215	8,275 1,284 2,210 - 345 188	6,708 290 2,277 3		

⁻ Represents zero.

EXPORTS AND IMPORTS

Series Z 245-252. Value of Exports To and Imports From England by New York: 1751 to 1775

[In pounds sterling. For years ending December 24. Foreign manufactures "In time" are those which could receive a drawback (refund) of duties; "Out of time" are those which could not. Outports are all ports in England other than London]

		Between New Y	ork and London			Between New Yo	ork and outports	
·		Ir	nports from Londo	n		In	ports from outport	s
Year	Exports to London	English	Manufactures o	of other nations	Exports to outports	English	Manufactures o	f other nations
	200-20-0	manufactures	In time	Out of time		manufactures	In time	Out of time
	245	246	247	248	249	250	251	252
1775 1774 1778 1772 1772	95,106 49,381 54,476 58,743 72,895	1,140 250,728 127,433 183,663 393,845	55 61,908 69,942 30,809 66,842	10,612 4,205 10,246 23,081	91,912 30,627 21,771 23,964 22,981	108,271 71,470 111,175 158,764	33 5,673 16,166 7,688 11,588	746 390 52
1770	55,192 38,585 50,510 35,502 45,683	284,973 48,991 299,481 258,012 184,866	45,494 3,900 96,381 57,586 18,940	15,248 2,325 8,111 17,705 47,874	14,691 34,881 36,606 25,921 21,338	119,451 16,327 72,484 75,249 58,024	10,555 3,230 6,180 9,067 18,285	272 146 293 339 3,341
1765	38,233 28,922 29,978 17,730 16,721	217,488 336,352 133,444 216,165 89,631	20,288 37,486 30,094 23,357 25,851	81,312 99,032 34,140 28,091 7,103	16,727 24,776 24,011 41,152 31,927	42,285 34,250 38,024 19,962 18,449	19,909 7,837 2,828 472 3,927	1,068 459 30 232
1760	6,328 10,012 3,442 9,828 13,136	387,839 483,952 263,290 228,378 169,234	42,124 59,804 30,136 43,149 31,753	18,065 58,826 43,946 37,522 9,478	14,797 11,678 10,819 9,340 10,937	28,628 23,903 16,154 34,780 31,311	2,995 4,300 2,772 8,864 8,253	455 256 620 396
1755 1754 1753 1752 1751	17,987 21,289 45,866 38,485 36,997	114,451 87,499 199,578 124,329 124,190	17,097 13,501 25,769 21,846 25,530	4,191 7,845 24,951 28,916 48,177	10,067 5,374 4,687 2,164 5,367	14,756 18,600 16,825 18,113 33,191	525 5,052 10,418 5,213 17,072	51 925 613 780

Series Z 253-265. Tonnage Capacity of Ships, 1769 and 1770, and Value of Exports and Imports of American Colonies, 1769, by Destination and Origin

[For years ending January 4 of following year]

Year and destination or origin	Total	New Hamp- shire	Massa- chusetts	Rhode Island	Connect- icut	New York	New Jersey	Pennsyl- vania	Mary- land	Virginia	North Carolina	South Carolina	Georgia
	253	254	255	256	257	258	259	260	261	262	263	264	265
1770 TONNAGE Outward bound	351,664	20,192	70,282	20,661	20,263	26,653	1,181	49,654	33,474	45,179	21,490	32,031	10,604
Great Britain and Ireland Southern Europe and Africa British and foreign West Indies America, Bermuda, and Bahamas	1 98,825 37,237 1 108,050 107,552	1,910 185 12,419 5,678	13,778 5,419 20,957 30,128	955 755 6,779 12,172	180 9,923	7,357 3,018 7,005 9,273	648 533	7,999 11,395 14,839 15,421	17,967 5,337 5,118 5,052	25,123 3,682 10,096 6,278	7,393 655 6,893 6,549	8,194	3,460 320 5,179 1,645
Inward bound	331,942	15,362	65,271	18,667	19,223	25,539	1,018	50,901	30,477	44,803	20,963	29,804	9,914
Great Britain and Ireland Southern Europe and Africa British and foreign West Indies America, Bermuda, and Bahamas.	82,934 37,717 106,713 104,578	1,200 10,300 3,862	13,916 6,213 19,917 25,225	400 101 7,121 11,045	8,656 10,357	5,722 3,354 8,695 7,768	140 365 513	7,917 15,010 15,883 12,091	13,693 5,005 5,093 6,686	9,547	440 5,930	2,256	2,275 795 4,618 2,226
1769 TONNAGE Outward bound	339,302	19,744	63,666	17,775	17,966	26,859	1,093	42,986	30,996	52,008	23,113	33,855	9,241
Great Britain and Ireland Southern Europe and Africa British and foreign West Indies America, Bermuda, and Bahamas	99,121 42,601 96,382 101,198	170 12,878	14,044 5,102 17,532 26,988	540 863 6,060 10,312	200	6,470 3,483 5,466 11,440	555 538		16,116 6,224 3,358 5,298	24,594 7,486 11,397 8,531	1,030 6,945	5,778 6,377	3,029 200 4,654 1,358
Inward bound	332,146	16,446	66,451	16,836	18,016	26,632	936	45,028	30,688	47,237	23,076	31,107	9,693
Great Britain and Ireland Southern Europe and Africa British and foreign West Indies America, Bermuda, and Bahamas.	90,710 34,151 94,916 112,369	915 480 9,500 5,551	14,340 6,595 17,898 27,618	415 226 5,958 10,237	7,790		25 257	12,521	15,486 4,095 4,533 6,574	11,612	700 6,702	3,325 6,893	2,528 525 4,288 2,357
1769 VALUE Exports pounds sterling	2,852,441		550,0	90		231,906	2,532	410,757	991	,402	569	, 585	96,170
Great Britain Southern Europe and Africa West Indies	1,531,516 578,015 747,910	561 40,431		9,255		113,382 52,199 66,325	1	28,112 204,313 178,331	759 66,556 22,303	,961 73,635 68,946	3,310	,015 73,501 59,815	82,270 614 13,286
Importspounds sterling	2,623,412		564,0	34		188,976	1,991	399,821	851	,140	535	,714	81,736
Great Britain Southern Europe and Africa West Indies	228.682	6521	223,6 21,908 155,387	96 2,761 56,840		75,931 15,625 97,420	327		714 10,083 82,198		2,013		58,341 13,987 9,408

¹ Figures disagree with source used here (Macpherson); corrected to agree with sum of components and with original source (PRO Customs 16/1).

Z 266-285

Series Z 266–285. Number and Tonnage Capacity of Ships Outward and Inward Bound, To and From 5 Cities, by Destination and Origin: 1714 to 1772

[Prior to 1768, for years ending December 24, except as noted; 1768–1772, January 4 of following year. In some years, detail will not add to total since ships were sometimes counted twice; see text]

Series No.	Destination or origin	1	Num- ber	Ton-	Num	771 - Ton-nage	Num- ber	0 Ton-	Nun		Num-	Ton-	1765- 66, ton- nage ¹	Num- ber	Ton-	Num- ber	Ton-	Num- ber	Ton-
	BOSTON		- Dei	nage	Dei	Hage		nage		Hage	Dei	nage		Dei	hage	Der	Hage	ber	nage
266	Outward bound		848	42,500	79	4 38,995	800 3	36,96 5	8:	28 37,04	612	33,695	30,444	406	21,295	447	26,66	416	20,927
267	Great Britain		57			5 5,750	56	5,819		66 6,70		6,428		35					3,985
268 269	Ireland Europe		. 11		5 2	2 1,118	15	813		$\begin{bmatrix} 1 \\ 20 \end{bmatrix} 1,08$	1 22		436 1,075	29 29				5 19	1,185
270 271	Africa Bahama Islands		. 8	420	1	4 267 2 320	6 5	415 100		4 49 6 17			275 50	1	50	1 1	7	5	1
272 273	Bermuda Islands Caribbean		. 1	70 10,70)	1 40		8,248	1	1 2 43 8,99	0	10,095		133	80	1	10,52	Ē	
274 275	Thirteen Colonies Other American Colonies		448	17,528 6,66	3 49	9 16,764 5 5,570	464 1	16,638 4,932	4	57 16,13 30 3,38	2 281	11,451 4,218	11,926	122	4,854	156	7,05 3,62	2 117 1 28	3,583
276	Inward bound			43,63	1	1 39,420	l i	3,360 38,360	1	79 40 ,48		31,983			14,585	1	i	5 (NA)	
277	Great Britain		98	9,32	7	2 7,502	-	6,830		75 7,33				32	<u> </u>	<u> </u>	4.44	В	
278 279	Ireland Europe			1,349		7 1,055	lI-	1,640	1	1 10 31 2,12	0 3	220	80 2,018	2	8 18	2	11	0	
280 281	Africa					9 215	4	110		5 16	-		163						
282 283	Bahama Islands Bermuda Islands		201		j	2 85 6 12,155	[1	45 11,088	1	1 72 10,49	0	10 011	80	48	2,391	I	ſ		1
284 285	Caribbean Thirteen Colonies Other American Colonies		427 96	14,713	38	2 12,827 3 5,581	422 1	14,118 4,529	4	30 14,20 64 6,04	0 204 6 91	10,811 8,266 3,869	14,375 3.612	149 28	5,651	139	5,34	7	
			<u> </u>	1 ,,,,,		1 .,		7	<u> </u>	1 ,,,,	1	1 7,510	1		1 -,	1	1	1	
				1772		17'	71	_	177	0	1	769		176	8	_ 1765	66, 1	764,	1768,
Series No.	Destination or origin	n	Nun	ъ т	on-	Num-	Ton-	Nu	m-	Ton-	Num-	Ton	- N	um-	Ton-	ton		on- age	ton- nage ³
			ber	n	age	ber	nage	be	r	nage	ber	nag	e l	oer	nage		_		
,	NEW YORK CITY								ļ										
266	Outward bound	-	. 70	00 28	,574	524	25,433	•	612	26,653	787	26,8	59	480	23,566	19,8	62 16	,982	15,741
267 268	Great Britain				,280 .610	45 27	4,830 2,476		46 29	4,665 2,692	47			56	5,130	2,8		,952	2,079
269	Ireland Europe		.] .	18 2	,449	40	2,029		58 2	2,920	30 78	3,5	78	30 45	2,522 2,360	3,1	90 1	,882	1,460 1,000
270 271	Africa Bahama Islands		_	9 5	260 88	7	115 135		8	98 144	5 2		05 35	4	35 67	1	90 50	140 93	70 35
272 273	Bermuda Islands Caribbean		. 19		85 ,076	6 194	153 7,708		189	95 7,005	125	5,4	27 66	7 156	172 6,981	8.3	90 85 7	230 ,898	115 7,507
274 275	Thirteen Colonies Other American Colonies		3	24 8 54 2	,859 ,867	134 67	4,968 3,019		188 88	5,655 3,379	430 62	9,0	68 10	125 55	3,754 2,545	1,1	29 1 21 1	,495 ,205	2,450 1,025
276	Inward bound		. 7	10 28	,861	557	25,042	(600	25,539	725	26,6	50	462	21,847	18,2	- (,750	11,129
277 278	Great Britain		-		,117	63	6,850		39	4,055	41	3,7		79	7,158	4,8		,040	3,980
279	Ireland Europe		.} ;	11 38 2	915 ,480	13 27	1,411 1,344		19 44	1,667 3,124	18 39	2,7	00	15 31	1,387 1,500	7	10 2	,647 ,385	550 1,390
280 281	Africa Bahama Islands			i <u>i</u>	268	9	210	-	11	230 284	1 4		30 42	9	130 204	1	95 75	103	65 205
282 283	Bermuda Islands Caribbean		1 2	08 8	215 ,170	220	105 8,191	;	226	30 8,695	179	6,9	90 64	3 158	115 6,301	8,2		370 ,430	$\frac{200}{4,124}$
284 285	Thirteen Colonies Other American Colonies		3		,247 ,449	184 37	5,416 1,515	'	217 39	5,941 1,513	394 47	9,8		189 26	3,952 1,100	2,4	50 52	645 130 _	615
				1 -	100		4 = 0 ×	1		. 1		<u> </u>			1	1	1		
Series	Destination or origin	1754	<u> </u>		739	_	1735	_ _	178		173	38	ļ	727		1726		1715	-18 *
No.	Domination of Origin	Num- ber	Ton- nage	Num- ber	Ton nag				um-	Ton- nage	Num- ber	Ton- nage	Num- ber	- Ton			Con-	Num- ber	Ton- nage
	NEW YORK CITY—Con.							\dashv			·			-					
266	Outward bound	322	13,322	26	10,0	12 2	07 7,3	58	184	6,374	223	7,704	21	14 8.	052	211	7,855	215	7,464
267	Great Britain	31	2,085		-			38	8	645		690	-l	_	030	12	988	21	1,461
268 269	Ireland	23 19	1,615 725	102	5 8	20	3 2	00 04	ž 9	160 475	9 5 6	160 275)		465	8	515	īõ	680
270	Africa	4 3	130		.]				1	60								1	40 75
271 272	Bahama Islands Bermuda Islands	8	60 75		3	20 78	1	60 45	4	20 90	6	145 168	3		160	3	90	3	107
273 274	Caribbean Thirteen Colonies	180 51	6,851 2,076	11:	7 2,4	51	95 2,8 78 2,8	21	87 70	2,771 1,959	103 85 6	2,349) 8	6 2,	149 138	90	3,378 2,761	104 68	3,608 1,406
275	Other American Colonies	12	440	10	0 1	605	5 2	50	.5	278		805	i]	2	110	5	155	3	187
276 277	Inward bound Great Britain	266	10,921 2,475	26	-		96 6,7 26 1,6		213 18	7,442 1,350	217 24	7,433 1,823			672 473		7,716 2,470	(NA)	(NA)
278 279	Ireland	10 25	650	2:	4 E	[60]	3 2	40	4 24	215	8	100				1	80 -		
280	Europe	5	1,055 205		. (- -		25 1,4		Z4	1,571	12 1 3	640 120			420	10 1			
281 282	Bahama Islands	6 3	120 80	1	4 4	20 26	13 3	40 65	6 19	145 525	15	65 426	1		40 805	<u>-</u>	275		
283 284	Caribbean Thirteen Colonies	177 23	6,020 931	10 9:	8 2,0	43 69	83 2,5 47 8	82	78 71	2,707 1,366	97 78 6	3,271 1,629	8	7 1,	775 753	69	3,072 1,452		
285	Other American Colonies	7	280	1	11 8	21	5 1	24	5	241	6	204			135	<u>5</u>	149		

NA Not available.

¹ Ending date of year unknown. For Boston, figures given in source for trade with the remainder of Massachusetts do not follow pattern of other entries and are, therefore, not a component of total. Totals were not taken from source but represent sum of detail as shown in source.

² Annual averages for years ending June 23. For Boston, the sum of the detail does not equal the total shown since the total includes entries for unknown ports.

³ For year ending January 4 of following year.

SHIPS **Z 266–285**

Series Z 266–285. Number and Tonnage Capacity of Ships Outward and Inward Bound, To and From 5 Cities, by Destination and Origin: 1714 to 1772—Con.

				1	772		177	71		1770)		1769			1768		1765-6		34,	1783,
Series No.	Destination or origi	in		Num- ber	To:		Num- ber	Ton- nage	Nu b	ım- er	Ton- nage	Nui be		Ton- nage	Num ber		Ton- nage	ton- nage		m- er	num- ber
	PHILADELPHIA																				
266	Outward bound			759	44,8	22	741	43,02		769	47,292	6	78 4	0,871	64	11 3	36,944	39,26	2	191	185
267 268 269 270 271	Great Britain Ireland Europe Africa Bahama Islands			23 24 88 1 11	2,4 8,4	91 15 20 82	27 25 79 8 13	3,223 3,470 7,110 90 253] 	-10-	3,208 4,791 10,940		32	4,049 3,170 2,040 80	8	10 38 38	4,134 3,482 7,255	1,83 4,83 4,45 30	0 5 0	21 16 22	12 17 20
272 273 274 275	Bermuda Islands Caribbean Thirteen Colonies Other American Colonies			268 307 33	15,6 12,8 1,8	72 20	3 230 332 29	13,449 13,656 1,72	5	283 32	75 13,842 12,370 1,940	2	24 24	1,114 9,085 1,383	22	29 37	100 12,019 8,116 1,838	13,49 10,83 2,96	4 30	6 74 50 2	2 87 45 2
276	Inward bound		-	730	42,3		719	41,74	_		47,489	6	_	2,333		-	34,970	36,87	_	210	190
277 278 279 280 281	Great Britain Ireland Europe Africa			63 12 88		25 20	71 16 69	8,15' 1,54 6,34	5	42 26 154	4,705 2,267 13,620		32	5,504 2,995 9,685	1 1	50 15 53	6,924 1,470 5,001		10 10 10	24 11 17	26 8 16
282 283 284 285	Bahama Islands			10 2 247 287 21		24	232 294 19	15, 13,39' 11,050 879	5 7 8	221	156 10 14,946 10,670 1,115	2	43	1,726 9,160 3,263	2	3 39 18 30	110 11,677 7,978 1,810	11,72 9,68 1,80	5 4 8	12 79 68	10 77 58
		1	772	1	771	1	.770	17	69	1	768	1′	752	1	739		1733		1731	1	727
Series No.	Destination or origin	Num- ber	Ton- nage	Num- ber	Ton- nage	Num- ber	Ton- nage	Num- ber	Ton- nage	Num- ber	Ton- nage	Num- ber	Ton- nage	Num- ber	Ton- nage	Nur					Ton- nage
	HAMPTON, VA.																				
266	Outward bound	356	22,293	301	18,593	244	13,851	266	17,046	246	15,776	156	8,008	98	3,966	5	3,7	69 10	1 4,50	1 104	4,577
267 268	Great Britain	1	5,454	. 3	360		270	11	4,110 100	33 1	200	20	2,285			.	11 1,1		1,63	-1	
269 270	Africa					1	1,405		2,096	14	1,209	14 1 1	1,195 25		410) -	6 4	40	5 30	0 2	60
271 272	Bahama Islands	10	235	5 5	55 123	12			65 68	5 7		1 8	15 220	8	240	j	5 1	40 1	3	2 19	483
273 274 275	Caribbean Thirteen Colonies Other American Colonies	205 88	11,930	180	9,450	141	7,410	146 59	8,136 2,396 75	148 37 1	7,376	81 31	3,462 806	44	1,607	7 8	50 1,6		1,79 4 44	5 41	1,366
276	Inward bound	I——	23,966	-	21,857		18,915		19,843		19,673		10,557	 	<u> </u>	-	87 4,8			_	ļ
277 278	Great Britain	62	170) 1	130	56	195	1	8,532 105	55		37	4,912				19 2,2		.l <u>.</u>		
279 280	Europe Africa	10 1 3	1,050			1	103	11	1,595	9		10 2	1,015 140		330) -	1 :	40 25	1 4	0 2	
281 282	Bahama Islands	3	80 185		105 150				80 236	3 3	35 75	1 4	15 120		330	5	2	60	<u>ī</u> z	7 16	120 421
283 284 285	Caribbean Thirteen Colonies Other American Colonies	158 88 2	8,598	156 77	8,532	132	6,298	134 50	7,575 1,425 295	134	8,152	78 37		40	1,579	9 8	50 1,70 10 3	69 4	6 1.76	0 37	1.273
			1772		177	1	17	70	17	769	1	768		1735		178	34	17	32	17	31
Series No.	Destination or origin			Fon- nage	Num- ber	Ton- nage	Num- ber	Ton- nage	Num- ber	Ton-		Tor nag				um- oer	Ton- nage	Num- ber	Ton- nage	Num- ber	Ton- nage
	CHARLESTON, S. C.		405				,	00									10.00				
266 267	Outward bound Great Britain		485 3 115 1	<u> </u>		1,031 5,792	<u> </u>	29,976		31,14	_	9 31,5		247 14			7 220		10,322	198 94	12,366
268	Ireland							11,727		14,68		1 15,8			,919 - ēēē	81 			6,234	- -	
269 270	Africa		2	1,774 290	26 1	2,882 30		6,291		5,77		8 5,5		30 2			1,830		1,665		1,185
271 272	Bahama Islands		25 11	452 323	1 25 12	497 398	11	343	٤ ا	3 20)5	9 2	93	41	582	28 1	385 40	22 2	249 40	23 1	20
273 274 275	Caribbean Thirteen Colonies Other American Colonies		129 166 21	5,749 5,724 626		6,131 4,875 426	98	7,374 3,012 539	10€	3,69	8 8	3 5,8 3 2,8 3 8		22 65 1	670 ,644 30		1,359 1,897	33 33	1,134	34 31 1	1,059
276	Inward bound	- 1	452 2	- 1	1	1,592	1	27,554	ĺ	29,09	l l	8 34,4		232 13	Ì	226	13,278	174	9,504		12,101
277 278 279	Great Britain Ireland Europe		11	0,982 1,110 2,565	3 21	1,878 310 2,361	5 20	440	18		0 1	9 18,1 1 1,0 8 2,0	10	4 38 3	,896 320 ,130	53 7 17	5,122 700 1,500	43 3 12	204 980	55 1 10	7 <u>4</u> 870
280 281	Africa Bahama Islands		24 25 22 14	2,171 585	11 29	993 517	22	466	21 20	2,21	5 2	ī <u>-</u> 3	55	27	885 453	7 30	645 445	5 21 7	495 293	9 18	755 264
282 283	Bermuda Islands		120	386 6,121	20 163	606 8,208	15 184	395 9,563	10 114	$\begin{vmatrix} 39 \\ 6.12 \end{vmatrix}$	5 3 12	9 2 9 8,2	73 38	1 42 2	70 .039	60	115 3.665	46	230	9 55	198 3,501
284 285	Thirteen Colonies Other American Colonies		138 19	5,538 525	132 31	5,788 931	115	4,223	104	3,07	1 8	8 3,4	10	57 2 15	743 254	64	2,825 56	42 2	2,225 1,843 74	42 3	2.030
	Other American Colonies		19	525	31	931	33	1,058	36			1,0	15	15	254		56	2	74	3	_

¹ Ending date of year unknown.

Series Z 286–290. Value of Commodity Exports and Imports, Earnings, and Value of Slaves Imported into British North American Colonies: 1768 to 1772

[In thousands of pounds sterling. See text for definition of colonial regions]

Overseas area of trade and major colonial	Exports	Imports	Shipping earnings	Other invisible earnings	Value of alaves imported	Overseas area of trade and major colonial	Exports	Imports	Shipping earnings	Other invisible earnings	Value of slaves imported
region	286	287	288	289	290	region	286	287	288	289	290
1772						1770					
All areas Northern Colonies New England Middle Colonies Upper South Lower South Florida, Bahama and Bermuda Islands	3,487 229 509 688 1,219 800	5,128 417 1,335 1,332 1,244 727	643 12 354 181 95	261 4 113 92 51{	392 (Z) 1 89 300	All areas Northern Colonies New England Middle Colonies Upper South Lower South Florida, Bahama and Bermuda Islands	2,983 155 496 609 1,169 584	3,991 439 821 1,067 1,234 362	615 8 323 188 95	230 3 100 84 42{	108 - 3 53 45
Great Britain and Ireland Northern Colonies New England Middle Colonies Upper South Lower South Florida, Bahama and Bermuda Islands	1,902 40 78 105 1,003 637	4,080 394 912 979 1,100 635	145 2 60 55 28	38 17 8 13{		Great Britain and Ireland. Northern Colonies. New England. Middle Colonies. Upper South. Lower South. Florida, Bahama and Bermuda Islands.	1,582 39 96 139 951 340	3,038 423 457 717 1,117 261	151 1 66 59 25	35 16 10 9{	
Southern Europe and Wine Islands Northern Colonies New England Middle Colonies Upper South Lower South Florida, Bahama and Bermuda Islands	592 168 59 287 96 32	84 12 20 32 10 9	116 8 48 40 20	54 3 16 24 11{		Southern Europe and Wine Islands Northern Colonies New England Middle Colonies Upper South Lower South Florida, Bahama and Bermuda Islands	565 106 62 214 116 67	76 6 14 43 5 7	126 5 42 51 28	50 2 13 23 12 {	
West Indies Northern Colonies New England Middle Colonies Upper South Lower South Florida, Bahama and Bermuda Islands	964 21 347 344 120 129	964 11 403 321 134 83	365 2 235 83 44	169 1 80 60 27{	126 (Z) (Z) 35 90	West Indies Northern Colonies New England Middle Colonies Upper South Lower South Florida, Bahama and Bermuda Islands	815 10 318 255 102 127	877 10 350 307 112 94	322 2 205 75 39	145 1 71 51 21{	23
Africa New England Middle Colonies Upper South Lower South Florida, Bahama and Bermuda Islands	29 25 2 - 2 -	- - - - -	5 5 -		266 	Africa	21 20 1 - -	11111	4 4 - - -		85 - 3 43 38 - 7
1771				000	100	1769	2 217			221	
All areas Northern Colonies New England Middle Colonies Upper South Lower South Florida, Bahama and Bermuda Islands	3,252 382 500 527 1,256 598	6,104 875 1,788 1,758 1,464 632	626 14 348 174 } 89	223 6 109 65 42{	(Z) (Z) (Z) 37 141	All areas Northern Colonies New England Middle Colonies Upper South Lower South Florida, Bahama and Bermuda Islands	2,947 122 464 553 1,238 551	8,014 296 616 645 892 498	607 7 313 176 110	224 3 97 76 47{	(Z) (Z) (Z) 26 205
Great Britain and Ireland Northern Colonies New England Middle Colonies Upper South Lower South Florida, Bahama and Bermuda Islands	1,866 83 88 127 1,081 446	5,846 853 1,446 1,551 1,339 572	158 2 60 66 30	39 1 18 9 11{		Great Britain and Ireland Northern Colonies New England Middle Colonies Upper South Lower South Florida, Bahama and Bermuda Islands	1,620 26 90 120 990 379	2,099 288 228 325 774 429	147 1 62 57 27	35 16 9 10{	
Southern Europe and Wine Islands Northern Colonies New England Middle Colonies Upper South Lower South Florida, Bahama and Bermuda Islands	557 236 78 146 65 32	67 12 15 22 10 7	117 10 55 36 16	47 4 21 15 7		Southern Europe and Wine Islands Northern Colonies New England Middle Colonies Upper South Lower South Florida, Bahama and Bermuda Islands	604 87 70 225 153 69	81 4 26 30 14 5	145 4 46 52 43	56 2 14 23 17{	
West Indies	813 13 319 253 110 115	691 10 322 185 115 53	387 2 225 69 40	137 1 70 41 24{	79 (Z) (Z) (Z) 29 46 4	West Indies	699 9 281 207 95 103	834 4 362 290 104 64	299 2 195 64 } 37	133 1 67 44 20{	(Z) (Z) (Z) 11 32 32
Africa New England Middle Colonies Upper South Lower South Florida, Bahama and Bermuda Islands	1	-	2 2		103 - - 8 96	Africa	24 23 1 - (Z)	-	44		194 (Z)

Series Z 286-290. Value of Commodity Exports and Imports, Earnings, and Value of Slaves Imported into British North American Colonies: 1768 to 1772—Con.

[In thousands of pounds sterling]

Overseas area of trade and major colonial	Exports	Imports	Shipping earnings	Other invisible earnings	Value of slaves imported	Overseas area of trade and major colonial	Exports	Imports	Shipping earnings	Other invisible earnings	Value of slaves imported
region	286	287	288	289	290	region	286	287	288	289	290
All areas. Northern Colonies. New England. Middle Colonies. Upper South. Lower South. Florida, Bahama and Bermuda Islands. Great Britain and Ireland Northern Colonies. New England. Middle Colonies. Upper South. Lower South. Florida, Bahama and Bermuda Islands. Southern Europe and Wine Islands. Northern Colonies. New England. Middle Colonies. Upper South. Lower South. Lower South. Lower South. Lower South. Lower South. Lower South. Lower South. Lower South. Lower South. Lower South. Lower South. Florida, Bahama and Bermuda Islands.	2,403 96 416 420 929 538 4 1,429 20 89 155 784 380 1	3,489 224 714 1,209 452 452 65 2,837 208 441 1,005 728 399 56 15 35 15 6	561 5 296 165 94 1 144 1 55 61 27 - 109 3 39 39 28	171 2 82 53 33{ 1 35 15 11 9{ -	883 	All areas—Con. West Indies Northern Colonies New England Middle Colonies Lower South Florida, Bahama and Bermuda Islands Africa New England Middle Colonies Upper South Lower South Sermuda Islands Africa New England Middle Colonies Upper South Lower South Florida, Bahama and Bermuda Islands	583 8 252 162 73 85 3 13 13 (Z)	574 10 258 169 82 47 8 - - -	293 1193 62 36 1 3 3 	103 1 55 30 16{	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)

Represents zero.

Series Z 291-293. Average Annual Coastal Exports, Imports, and Balances of Trade, by Region: 1768 to 1772
[In thousands of pounds sterling. See text for series Z 286-290 for definitions of colonial regions]

Region	Exports	Imports	Balance	Region	Exports	Imports	Balance
_	291	292	293		291	292	293
Total	767	743	+24	Upper SouthLower South	88 103	73 76	+15 +27
Northern Colonies New England Middle Colonies	35 304 220	87 289 178	-52 +15 +42	Florida, Bahama and Bermuda Islands	17	40	-23

Series Z 294. Value and Quantity of Articles Exported From British Continental Colonies, by Destination: 1770
[Value in pounds sterling, quantities in units as indicated. For year ending January 4 of following year. Includes Newfoundland, Bahamas, and Bermuda]

Article	Value, total	Total 1	Great Britain	Ireland	Southern Europe	West Indies	Africa	Article	Value, total	Total 1	Great Britain	Ireland	Southern Europe	West Indies	Africa
				VA	LUE						•	QUANTITY	SHIPPED 4		
Total	3,437,715	(2)	1,752,515	118,777	691,912	848,934	21,678	Potashtons_ Pearlashtons_	35,192 29,469	1,173 737	1,173 737				
Foreign merchandise (mostly from West Indies)	³ 81,555	(3)	65,860	4,698	5,992	4.755	297	Spermaceti candles_lb_ Tallow candleslb_	23,688 1,238 25	379,012 59,420	4,865	450	14,167 1,630	57,550	
Articles shipped as American produce	1		1,686,654	114,079	i i	•		Castoriumlb_	1,680 375,394	7,465 660,003	7.465	450	431,386		

Z Less than 500 pounds sterling.

¹ Imports of slaves in 1768 were not given in the source by place of origin.

Series Z 294. Value and Quantity of Articles Exported From British Continental Colonies, by Destination: 1770—Con.

[Value in pounds sterling, quantities in units as indicated]

Article	Value, total	Total 1	Great Britain	Ireland	Southern Europe	West Indies	Africa	Article	Value, total	Total 1	Great Britain	Ireland	Southern Europe	West Indies	Africa
			QUAI	ntity shi	РРЕД ⁴—С	on.					QUA	ntity shi	PPED ←C	on.	
Fish, pickledbbl. Flaxseedbu. Indian cornbu. Oatsbu. Wheatbu. Peas and beansbu. Ginsenglb.	22,551 35,169 43,376 1,243 131,467 10,077 1,243	30,068 312,612 578,349 24,859 5751,240 50,383 74,604	6,780 11,739 74,604	25 305,083 150 149,985	749 175,221 3,421	29,582 402,958 21,438 955 49,337	20	Ship stuff bbl Onions value Pitch bbl Tar, common bbl Tar, green bbl Turpentine bbl	394 9,959 6,495 3,200 24,427 261 6,806	(2) 9,144 81,422 653 17,014	8,265 78,115 653 15,125		117	3,149 640 6,379 822 3,173	57 134 82
Hemp	30,089 36,961	86 6,017 42,470	5,747 2,102	267 85	4 10	4 273 2		Rosinbbl. Oil of turpentinebbl. Masts, yards, etc.tons. Walnut woodvalue. Pine, oak, cedar	279 103 16,630 115	3,045 (2)	3,043 106	9		30 2	
Iron, wrought tons- Indigo lb Whale oil tons Whale fins lb	167 131,552 85,013 19,121	584,672 5,667 112,971	584,593 5,202 112,971	22	175	83 268		boards ft. Pine timber tons. Oak timber tons. Houses framed no.	4,405 3,487 3,260	3,874 163	10,582 3,710	50 10	6 <u>4</u> 10	163	
Linseed oiltons. Copper oretons. Lead oretons. Bread and flourtons. Mealbu	488 854 83 504,553 443	168 41 6 45,868 4.430	41		18,501	23,449 4,430		Staves and heading_no_ Hoopsno_ Shook hogsheadsno_ Cattleno_	61,619 8,668 7,835 14,328	20,546,326 3,852,383 62,678 3,184	18,912	2,828,762	7,072 549	3,817,899 62.099	8,500
Potatoesbu_ Beef and porkbbl_ Butterlb	127 66,035 3,492 933	3,382 (2)			244	3,382 62,870 167,313 55,997	439 300	Horses no Sheep and hogs doz	60,228 4,479 1,177	6,692 12,797				6.692	
Cheese	21,836 340,693 615	5 349,381 5 151,418 8,200			36,296	2,574 5 40,932 8,200	292,966 117	Tobaccovalue_ Tallow and lardlb_ Beeswaxlb_	91,480 57,750 906,638 3,857 6,426	799,807 (2) 185,143	799,622 904,982 800	185		1,569 183,893	450
American loaf sugar_lb_ Raw silklb_ Soaplb_	333 542 2,165	10,648 541 86,585	541		600 550	8,548 85,035				·	·				

Fractional quantities have been dropped; therefore, total may not equal sum of components.
 Information needed to provide totals is not available.
 Figure as given in source; components add to 81,602.

Series Z 295-304. Coal Exported From James River Ports in Virginia, by Destination: 1758 to 1765 [In net tons of 2,000 pounds. For years ending January 4 of following year]

Series No.	Destination	1765	1763	1762	1761	1760	1758	Series No.	Destination .	1765	1763	1762	1761	1760	1758
295 296 297 298 299	Salem	161 60 256	112 232 34 136 247	288 156 40	136	182	24	300 301 302 303 304	Piscataway Philadelphia New Castle Lower James West Indies and Bermuda	214 21	168 102 24 21	47	60	12	8

Series Z 305-325. Coal Imported, by American Ports: 1768 to 1772

[In net tons of 2,000 pounds. For years ending January 4 of following year]

Series	Port	Im	ports from Colo	Continer nies	ntal		nports fro reat Brita		Series	Port	Imports from Conti-	Iı G	mports fro reat Brita	m in
No.	•	1772	1771	1770	1768	1771	1770	1769	No.		nental Colonies, 1771	1771	1770	1769
305 306 307 308 309 310 311 312 313 314 315	New Hampshire Falmouth Salem and Marblehead Boston Rhode Island New Haven New London New York Philadelphia Patuxent North Potomac		50 183 174 13 37 226 122	23 76 69 40	130 101 153 	527 206 2,248 239 316	158 3 162 989 208 69 337 1,119 65	293 12 30 1,894 159 37 1,537 1,507 107 65	316 317 318 319 320 321 322 323 324 325	Rappahannock James River—lower James River—upper York River Roanoke Brunswick Charleston Savannah Sunbury St. Augustine		96 384 181 19 46 774 93	901 69 15	150 815 56

⁴ Except for a few items where value is shown.
⁵ Figures disagree with source used here (Macpherson); corrected to agree with sum of components and with original source (PRO Customs 16/1).
⁶ Quantity in tons of beef and pork.

Series Z 326-330. Pig Iron Exported to England, by Colony: 1723 to 1776

[In tons of 2,240 pounds. For years ending December 24]

Year	F otal	Virginia and Mary- land	New York	Pennsyl- vania	Other 1	Year	Total	Virginia and Mary- land	New York	Pennsyl- vania	Other 1	Year	Total	Virginia and Mary- land	Pennsyl- vania	Other 1
	326	327	328	329	330		326	327	328	329	330		326	327	329	330
1775 2 1774 2 1773 2 1772 2 1770 4 1769 3 1768 2 1767 2 1765 2 1765 2 1765 2 1764 2 1768 2 1768 2 1768 2 1761 2 1760 2 1760 3	2 316 2 ,996 3 ,452 2 ,988 3 ,725 5 ,303 4 ,233 3 ,402 2 ,953 8 ,313 2 ,887 8 ,264 2 ,566 1 ,767 2 ,766 1 ,767	208 1,467 1,458 1,581 1,879 2,624 1,572 1,718 2,070 1,741 2,071 1,837 2,325 1,735 1,735 1,735 1,735 1,735 1,741 1,	43 1,015 1,538 984 778 1,081 864 520 357 548 564 371 108 19 76 51	385 323 209 706 1,553 1,381 634 665 785 299 301 307 132 7 149 61 128	60 130 131 163 364 379 248 288 50 101 29 40	1758	*3,717 *2,699 *3,411 3,441 3,245 2,738 2,979 3,210 2,924 1,759 2,157 1,861 2,274 1,862 3,005 2,075 3,457	3,448 2,462 2,468 2,133 2,591 2,762 2,950 2,509 1,575 2,018 2,119 1,729 2,134 1,748 2,816 1,926 1,926 3,261	49 157 201 457 116 97 411 33 76 17 22 13 29 19 6 81	195 80 234 836 513 243 166 200 318 167 115 25 103 97 88 63 144	25 3 108 15 5 51 20 27 21 1 27 20 45 53	1740 1739 1738 1738 1737 1736 1734 1733 1732 1731 1730 1729 1728 1727 1726 1727 1726 1725 1724	2,275 2,418 2,359 2,316 2,729 2,561 2,196 2,405 2,333 2,250 1,717 1,132 484 484 296 137 202	2,020 2,242 2,113 2,120 2,458 2,362 2,042 2,312 2,226 2,081 1,527 853 643 137 202 115	159 170 228 169 271 196 147 95 107 169 189 274 243 33	96 66 18 27 3 7

¹ Includes pig iron exported from New England, Carolina, Barbados, Canada, Newfoundland, and Jamaica.

Series Z 331-337. Pig Iron Exported From American Colonies, by Destination and Colony: 1768 to 1772

[In hundredweights. For years ending January 4 of following year]

Year and destination	Total	Massa- chusetts	Rhode Island	New York	Pennsyl- vania	Mary- land	Virginia	Year and destination	Total	Massa- chusetts	Rhode Island	New York	Pennsyl- vania	Mary- land	Virginia
	331	332	333	334	335	336	337	i	331	332	333	334	335	336	337
1772	98,098	1,521	6,325	26,755	9,408	33,405	20,684	1770 Tetal	133,079	1,020	6,957	26,490	31,947	35,150	31,515
Great Britain	74,326 610	1,301	1,075	15,585	8,840 160	27,215 150	20,304	Great Britain Ireland Continental Colonies	114,944 5,350	1,020	3,697	21,515 1,250	31,387 560	25,810 3,540	31,515
Continental Colonies West Indies	22,688 480	220	5,250	11,170	8 400	6,040	80	West Indies	12,725 60		3,260	3,725		5,740 60	
1 77 1								Total	112, 186	2,365	5,980	23,795	21,896	24,830	33,320
Total	¹ 128, 306	810	7,820	15,77 0	30,886	45,245	27,455	Great Britain Ireland Continental	93,866 930	1,360 370	2,310	14,960 40	21,676 220	20,240 300	33,320
Great Britain	101,316 1,280	810	2,760	10,800 700	29,986	30,005 580	27,455	Colonies	17,390	635	3,670	8,795		4,290	
Continental Colonies West Indies	1 25,680 30		5,060	4,740 30	900	14,660		1768 Total	² 71, 194	1,077	2,220	31,119	12,102	6,422	17,494
•								Great Britain Continental Colonies	² 62,356 8,838	1,077	1,820 400	29,819 1,300	10,006 2,096	1,780 4,642	17,094 400

¹ Includes 320 hundredweights exported by Connecticut.

Series Z 338-347. Pig Iron Imported by American Colonies From Other Continental Colonies: 1768 to 1772

[In hundredweights. For years ending January 4 of following year]

Year	Total	Massa- chusetts	Rhode Island	Connect- icut	New York	Pennsyl- vania	Mary- land	Virginia	North Carolina	South Carolina
	338	339	340	341	342	343	344	345	346	347
1772 1771 1770 1769 1768	25,768 27,625 14,127 15,535 12,447	5,680 3,640 2,710 4,555 1,654	9,620 3,875 3,405 3,020	620 1,420 1,640 1,340 360	4,770 1,980 740 8,280 1,920	160 5,590 2,872 20 4,528	1,060	4,918 10,040 2,700 3,320 3,560	20	60

 $^{^{2}}$ Reason for discrepancy in total and sum of components is unknown. 3 American Colonies only.

² Includes 760 hundredweights exported by New Jersey.

Series Z 348-353. Bar Iron Imported From England by American Colonies: 1710 to 1750

[In tons of 2,240 pounds. For years ending December 24]

Year	Total	New England	New York	Pennsyl- vania	Virginia and Maryland	Carolina	Year	Total	New England	New York	Pennsyl- vania	Virginia and Maryland	Carolina
	348	349	350	351	352	353		348	349	350	351	352	353
1750 1785 1784 1783	5 218 368 465	1 101 263 871	108 90 55	2	3 3 2 12	1 6 8 25	1718 1717 1716 1715	190 207 539 511	154 141 878 873	8 43 147 111	4 9 10 8	27 10 9 17	2 4 2
1782 1781 1780 1729	488 865 250 405	413 243 150 338	58 102 92 58	3 5 4	5 4 2 1	9 11 6 4	1714 1713 1712 1710	419 302 326 226	279 211 282 201	98 49 32 10	25 7 2 13	8 8 5 2	9 27 5

Series Z 354-359. Bar Iron Exported to England, by Colony: 1718 to 1776

[In tons of 2,240 pounds. For years ending December 24]

Year	Total	New Eng- land	New York	Pennsyl- vania	Virginia and Mary- land	Other 1	Year	Total	New Eng- land	New York	Pennsyl- vania	Virginia and Mary- land	Other 1	Year	Total	Virginia and Mary- land	Other 1
	354	355	356	357	358	359		354	355	356	357	358	359		354	358	359
1776	28 916 2639 2838 2966 2,222 1,716 1,780 1,920 1,258 1,079 21,059 2110	5 5 1 9 46 7 13 9	361 284 498 561 1,493 984 861 909 400 400 194 241 39	88 114 137 	28 462 244 289 382 709 598 659 712 569 744 639 247 234	18 32 5 3 15 160 1 3	1761 1760 1759 1758 1757 1756 1755 1754 1752 1752 1751 1750 1748 1748 1747 1746 1746	271 248 82 5	2	19 2 12 7	3 29 199 10 19 31 79 110 148 65	36 98 74 341 35 148 299 154 98 17 3 6 4 83 193	3 4	1744 1741 1740 1736 1738 1730 1727 1724 1721 1721 1721 1718	57 5 5 5 55 56 1 9 3 1 7 7 15 4 4 1	57 5 5 	*11 *1 9 ******************************

 $^{^{\}rm I}$ Includes bar iron exported from Antigua, Canada, Jamaica, Barbados, and others as noted. $^{\rm 2}$ Reason for discrepancy between total and sum of components is unknown. $^{\rm 3}$ From Carolina.

4 From Pennsylvania. 5 From New York. 6 From New England.

Series Z 360-373. Bar Iron Imported by American Colonies From Other Continental Colonies: 1768 to 1772 [In hundredweights. For years ending January 4 of following year]

Year	Total	New Hamp- shire	Massa- chusetts	Rhode Island	Connect- icut	New York	New Jersey	Pennsyl- vania	Mary- land	Virginia	North Carolina	South Carolina	Georgia	Florida
	360	361	362	363	364	365	366	367	368	369	370	371	372	373
1772 1771 1770 1769 1768	33,156 28,084 28,338 21,860 16,905	4,169 3,079 8,717 2,390 1,500	14,367 10,869 118,052 8,648 7,977	2,304 2,240 1,240 1,175 2,322	1,588 2,351 2,295 1,734 271	220 880 120 710 236	145	940 494 166 530 684	16 47 97 45	4,540 2,420 2,105 1,546 71	1,749 2,604 1,186 1,352 1,401	2,778 2,590 3,961 3,127 1,775	352 419 324 525 317	127 91 172 28 161

¹ Plus 154 bars.

Series Z 374-383. Bar Iron Exported by American Colonies, by Destination and Colony: 1768 to 1772 [In hundredweights. For years ending January 4 of following year]

Year and destination	Total	Massa- chusetts	Rhode Island	Connect- icut	New York	New Jersey	Pennsyl- vania	Mary- land	Virginia	Other 1
	374	375	376	377	378	379	380	381	382	383
1772										
Total	60,916	1,110	354	538	17,245	140	22,008	17,272	2,091	158
Great Britain Continental Colonies West Indies Other	19,708 35,848 4,620 740	1,110	314 40	504 34	9,930 4,805 2,370 140	100 40	900 19,253 21,595 260	7,797 8,875 260 340	1,081 729 281	158
1771		202	****	0.5	00.000	24	01.049	22 202		
Total	76,513	985	500	85	28,892	94	21,942	20,080	3,713	222
Great Britain Continental Colonies West Indies Other	42,300 29,310 3,980 923	983 	20 320 120 40	65 20	23,650 3,607 935 700	14 80	200 19,413 2,196 133	15,531 4,207 302 40	2,897 489 327	212 10
1770										
Total	78,228	1,029	686	180	33,629	108	22,967	14,823	4,453	353
Great Britain	42,047 28,949 5,457 1,775	100 929	40 8 606 40	180	25,985 4,674 1,635 1,335	108	1,577 18,776 42,594 20	10,530 3,200 673 420	3,815 484 154	172 181
1769										
Total	75,869	1,009	641	556	24,358	230	21,805	17,965	9,184	121
Great Britain Continental Colonies West Indies Other	43,105 26,378 4,826 1,560	124 885	98 543	446 110	17,090 5,223 1,385 660	230	4,415 14,628 2,652 110	12,925 3,789 461 790	8,453 514 217	120 1
1768										
Total	77,857	1,127	3,199	223	4,422	140	20,969	35,114	12,307	356
Great Britain Continental Colonies West Indies Other	50,271 24,403 3,123 60	(5) 1,107 20	739 2,400 60	38 171 14	3,874 548	140	66,189 12,621 92,159 (10)	7 31,265 3,714 135	8 11,704 356 247	336 20

Series Z 384-397. Cast Iron Imported and Exported by American Colonies, by Origin and Destination: 1768 to 1772 [In hundredweights. For years ending January 4 of following year]

					Imp	orts							Exp	orts			
Series No.	Colony	From	other (Contine	ntal Co	lonies	From	Great I	Britain	То	other C	ontinen	al Colo	nies	То	West In	dies
		1772	1771	1770	1769	1768	1771	1770	1769	1772	1771	1770	1769	1768	1771	1770	1769
384	Total	4,936	4,884	4,039	3,824	4,733	968	969	2,621	5,231	5,503	6,309	3,926	2,025	97	42	165
385 386 387 388 389 390	New Hampshire Massachusetts Rhode Island Connecticut New York New Jersey	217 128 72 964 1,773	2,364	1121 11,150 1150	44 194 1,581	43 7 256 785	 -	(1) (1)	(1)	2,070 2,538 77 180	2,795 315	18 ² 2,029 ² 1,206 ² 37 ² 61	1.972		21	25 7 6	10 65
391 392 393 394 395 396 397	Pennsylvania 3 Maryiand Virginia North Carolina South Carolina Georgia Florida	58 280 138 1,131 142 3 30	45 266 290 532 313 5	11,357 236 347 297 192 3 90	285 391 633	1,496 65	(1) 783 1178		11.426	4 8 8	290 39 82 12 37	356 2,513 89	95	188 51 99 2 35	3 53		20

¹ In addition, the following number of pots were imported: From other Continental Colonies, 1770, N.H.—4, Mass.–20, Conn.–103, N.Y.–52, Pa.–130; from Great Britain, 1771, Md.–2,432, N.C.–169, Ga.–150, Fa.–4; 1770, N.H.–187, Mass.–12 pots and 250 pounds, Md.–107; 1769, N.Y.–100, Pa.–231, Md.–34, Ga.–71, Fla.–2.

Includes N.H., N.C., S.C., Ga., and Fla.
 Includes 40 cwt. exported through New Castle, Del.
 Plus 150 bars.
 Includes 134 cwt. exported through New Castle, Del.
 42 bars.

⁶ Plus 10,627 bars exported to Great Britain and 166 bars to Ireland.

Plus 730 bars.
 Plus 11,664 bars.
 Includes 45 cwt. exported through New Castle, Del. In addition to the 2,159 cwt., there were 2,126 bars exported.
 Source states that 735 bars were exported to Southern Europe.

² In addition, the following number of pots were exported: Mass.-510, R.I.-116, Conn.-20, N.Y.-104, and 35 potash kettles from Mass.

³ Includes figures for New Castle, Del., as follows: Imports from other Continental Colonies, 1770, 1 cwt.; 1771, 40 cwt. Exports to other Continental Colonies, 1770, 3

Series **Z** 398–405. Wrought Iron Imported From England by American Colonies: 1710 to 1773

[In hundredweights. For years ending December 24 except 1769-1771, January 4 of following year]

Year	Total	New England	New York	Pennsyl- vania	Virginia and Mary- land	Carolina	Georgia	Florida	Year or period	Total	New England	New York	Pennsyl- vania	Virginia and Mary- land	Carolina
	398	399	400	401	402	403	404	405		398	399	400	401	402	403
1773	56,988 59,186 19,756 33,685 29,720 85,549 29,508 23,845 23,155 22,643 22,800	2,634 4,209 2,250 2,250 3,290 3,455 7,884 6,544 6,192 7,105 8,598	5,972 11,497 3,860 620 4,883 6,280 4,384 2,137 2,291 1,610 2,380	19,652 176 41,565 5,303 8,687 4,765 2,102 3,150 2,420 2,208	12,554 38,546 7,664 21,734 4,866 10,128 8,684 9,709 8,641 8,815 7,446	12,155 13,212 4,393 5,773 7,998 6,849 3,793 3,353 2,881 2,693 2,168	1,855 1,068 1,402 6878 385 150 58	2,166 2654 11 7208	1781 1790 1729 1718 1717 1716 1716 1714 1713 1712 1710–11	26,753 20,604 16,357 13,097 15,705 15,571 17,802 14,343 11,176 13,729 10,309	9,727 7,380 7,394 8,110 3,819 5,398 5,796 4,633 4,883 5,345 4,597	2,628 2,775 1,904 1,396 1,145 1,094 1,380 1,137 986 639 567	2,946 2,629 851 887 1,147 963 988 924 1,040 540 988	9,682 6,390 4,866 6,735 8,728 7,446 8,947 6,598 2,860 5,654 3,014	1,770 1,480 1,342 969 866 670 691 1,051 1,407 1,551 1,143

Series Z 406-417. Selected Iron Products Imported and Exported by American Colonies: 1768 to 1772

[For years ending January 4 of the following year. Data are for imports from or exports to other colonies unless otherwise noted]

			Imp	orts		****			Exp	orts		
	Wrought						Wroug	ht iron			A	Kes
Year	iron	Anchors	Scythes	Nails 1	Steel 1	Axes	Other colonies	West Indies	Anchors	Scythes	Other colonies	West Indies
	406	407	408	409	410	411	412	413	414	415	416	417
1772	Cwt. 351 513 7256 11 1,289 (2)	Number 68 4 109 7 126 11 12 (2)	Dozens 494 5 340 297 5 102 (2)	Cwt. (2) 5,668 8 22,283 8 3,161 (2)	Cwt. (2) 1,599 1,578 2,126 (2)	Number 5,603 7,144 6,063 6,665 5,568	Cwt. 301 391 10 103 12 1,101 12 162	Cwt. 47 153 167	Number 3 80 70 11 156 (18) (14)	Dozens 454 540 377 400 (2)	Number 6,800 7,574 7,483 5,606 2,688	Number 2,673 2,885 1,961 4,059 (2)

Series Z 418-431. Value of Furs Exported to England by British Continental Colonies: 1700 to 1775 [In pounds sterling. For years ending December 24]

Series No.	Colony	1775	1770	1765	1760	1750	1739 1	1730	1725	1720	1710	1700
418	Total	53,709	47,758	49,293	19,985	22,817	25,196	22,348	23,541	19,377	7,840	16,284
419	Continental Colonies	51,058 34,486 128	44,894 28,433	45,925 24,512	14,637 1,930	17,491	22,536	19,804	21,903	19,128	5,165	18,712
420 421 422	Canada Carolina Florida	128 108	28,433 26 68	491	1,930 20	12	9	57	46	4	27	576
423 424	Georgia Hudson's Bay	108 63 5,640	9 9,213	58 9,770	8,321	8,143	18,452	12,335	11,180	9,839		2,860
425 426 427 428	New England Newfoundland New York Nova Scotia	1,642 1,913 3,939 210	2,453 408 2,840 132	2,811 648 5,565	946 470 1,023	1,015 420 5,710	2,481 551 5,078	2,010 500 2,611 156	1,862 452 6,952	2,119 457 5,898	1,595 558 2,148	2,435 228 4,962
428 429 430 431	Pennsylvania Virginia and Maryland All other colonies	2,866 63 2,651	1,148 169 3,864	1,927 70 3,868	1,879 21 5,848	1,909 282 5,326	329 641 2,660	1,642 498 2,544	923 488 1,638	849 467 249	88 754 2,675	728 2,483 2,572

¹ Since the English customs records for 1740 are not complete, the records for 1739 were used.

Plus 5 casks and 4 cases.
 Plus 15 casks and 1 case.
 Plus 41 casks and 13 packs.
 Plus 1 cask.

Plus 49 packs.
 Plus 11 packs.
 Plus 7 packs.

¹ Imported from Great Britain.
² No listing.
³ Plus 36 to West Indies.
⁴ Plus, from Great Britain, 15 in 1771.
⁵ Plus, from Great Britain, 129 bundles in 1771 and 46 bundles and 1 dozen in 1769.
⁶ 30 dozen to West Indies.
⁷ Wrought iron entry coastwise in source includes 43 cwt. of anchors which may not have been included in number of anchors. Also, 27 anchors were imported from Great Britain.
⁸ Plus 1,993 casks in 1770 and 84 casks in 1769 from Great Britain and 102 barrels in 1770 from other colonies.

Plus 4,030 bars, 12.5 faggots, and 36 long steel in 1770, and 1 bundle and 41 faggots in 1769.
 Includes 110 cwt. of anchors which also have been included in the number of

Includes 110 cwt. of anchors which also have been included in the number of anchors.

11 Wrought iron entry coastwise included 363 cwt. of anchors which may not have been included in the number of anchors.

12 Anchors only.

13 15 anchors to Africa. All the wrought iron entries this year consisted of anchors.

14 In addition to coastwise exports listed under wrought iron, 1 anchor went to the West Indies.

Series Z 432-435. Indigo and Silk Exported From South Carolina and Georgia: 1747 to 1788

[For years ending January 4 of following year, except as noted]

	Indi	go (1,000 pou	nds)	Silk ¹		Indig	go (1,000 poun	ds)	Silk 1		Indigo, South
Year	Total	South Carolina	Georgia	(pounds)	Year	Total	South Carolina	Georgia	(pounds)	Year	Carolina (1,000 pounds)
	432	433	434	435		432	433	434	435		433
1788		2833.5			1768	8 9 517.7	8 498.0	9 19.7	541	1754	129.6
1787		2 974 . 1			1767	(NA)	(10)	12.9	671	1753	28.5
1786		2 757.1			1766	2 506.2	491.8	14.4	1,084	1752 11	3.8
							1		•	1751 12	19.9
1785		2 626 . 2			1765	351.9	335.8	16.0	711		
1784		² 713.9			1764	543.2	529.1	14.2	898	1750 12	63.1
1783		2 8 289 . 5			1763	447.7	438.9	8.7	953	1749 12	138.3
	l į				1762	264.4	255.3	9.1	380	1748 12	62.2
		1,122.2			1761	385.6	384.1	1.6	332	1747 12	138.3
		747.2			1 1						
1773 6		720.6			1760	519.3	507.6	11.7	558		
l772	7759.8	7746.7	13.1	485	1759	696.2	695.7	.6	734		
.771	454.1	434.2	19.9	438	1758	572.6	563.0	9.6	358		
					1757	894.5	876.4	18.2	358	1	
770	573.1	550.8	22.3	290	1756	232.1	222.8	9.3	268	1	
1769	416.6	402.7	13.9	332	1755	308.0	303.5	4.5	438		

Series Z 436-440. Silk Exported and Imported by North and South Carolina: 1731 to 1755

[In pounds. For years ending December 24]

	Exports	Impor	ts of British	silk manufs	ectures		Exports	Impor	ts of British	silk manufe	actures		Imports silk man	of British ufactures
Year	of raw silk	Silk, wrought	Silk with worsted	Silk with inkle	Silk with grosgrain	Year	of raw silk	Silk, wrought	Silk with worsted	Silk with inkle	Silk with grosgrain	Year	Silk, wrought	Silk with worsted
	436	437	438	439	440		436	437	438	439	440		437	438
1755	5.5 11 	3,416 2,682 3,027 3,365 2,404 1,519 1,772 1,772	2,634 2,300 2,236 2,860 1,933 1,258 1,065 1,658 2,050	337 374 190 218 291 223 74 155 386	150 7 50	1746 1745 1744 1743 1742 1741 1740 1739 1738	18.5	929 544 1,035 1,427 1,576 2,798 1,454 1,273 1,111	590 615 1,296 1,262 1,350 2,452 1,492 877 1,177	330 184 181 122 144 440	3 40 7	1737 1736 1734 1733 1732 1731	691 1,223 1,487 943 1,015 774 970	790 516 864 937 1,341 892 537

Series Z 441-448. Tobacco Imported by England, by Origin: 1697 to 1775

[In thousands of pounds. For years ending December 24, except as noted]

Year	Total	Virginia and Maryland	Carolina	Georgia	Pennsyl- vania	New England	Other 1	Year	Total	Virginia and Maryland	Carolina	Pennsyl- vania	New England	Other 1
	441	442	443	444	445	446	448		441	442	443	445	446	448
1775 1774 1773 1772 1771	55,968 56,057 55,929 51,501 58,093	54,458 54,785 54,915 50,667 56,888	834 1,191 964 684 1,136	109 71 50 135 35		57	510 10 (Z) 15 34	1760 1759 1758 1757 1756	52,347 34,782 43,969 42,232 33,291	51,283 34,652 43,623 41,542 32,943	989 120 273 369 289	10 4	(Z)	59 6 73 821 58
1770 1769 1768 1767	39,188 33,797 35,555 39,145 43,318	38,986 33,552 35,457 39,096 43,193	190 203 88 44 114	8 1			4 41 9 4 12	1755 1754 1753 1752 1751	49,084 58,867 62,686 57,250 45,979	48,610 57,977 61,913 56,591 45,745	241 836 451 83 162	14 46 35 68 67	285 505 4	217 8 2 3 (Z)
1765 1764 1763 1762 1761	54.433	47,600 53,662 64,500 41,862 45,818	704 765 647 2,226 796		4 6 10 450	3	13 2 27 13 11	1750 1749 1748 1747 1746	51,339 44,648 50,695 51,289 39,990	50,785 44,190 49,646 50,765 39,567	12 321 393 287 81	34 122 66 107 228	319 124	61 15 271 6 114

NA Not available.

¹ Savannah, Ga., only.

² For Charleston, the only South Carolina port for which data are available; other South Carolina ports averaged 7.8 percent of the colony's totals for 1768-1773.

⁸ 827 casks at 350 lb. each.

⁴ For 6½ months ending Feb. 24.

⁸ For 11 months ending Oct. 6.

⁶ For year ending Nov. 11.

⁷ Plus 302 casks and 5 boxes.

8 Plus 196 casks.

9 Plus 357 casks.

10 From Oct. 31, 1767, to Sept. 8, 1768, Charleston exported 530,092 pounds of indigo.

11 For 9½ months ending Jan. 5 of following year.

12 For year ending Mar. 24 of following year.

Series Z 441-448. Tobacco Imported by England, by Origin: 1697 to 1775—Con.

						Į.	II thougant	is or pourius	l						
Year	Total	Virginia and Mary- land	Carolina	Pennsyl- vania	New England	New York	Other 1	Year	Total	Virginia and Mary- land	Carolina	Pennsyl- vania	New England	New York	Other 1
	441	442	443	445	446	447	448		441	442	443	445	446	447	448
1745 1744 1743 1742 1741	41,073 41,434 56,767 43,467 59,449	40,897 41,119 55,666 42,838 59,007	35 515 558 70	166 159 18 30 221	3 (Z)		10 118 568 41 144	1720 1719 1718 1717 1716	34,526 33,684 31,840 29,600 28,316	34,138 33,503 31,740 29,450 28,305	(Z) (Z)	365 177 94 102	(Z) (Z) (Z)	(Z) 1 (Z)	10 1 (Z) 1 8
1740 1739 1738 1737	36,002 46,724 40,120 50,208 37,904	35,372 45,866 39,868 49,946 37,682	49 552 86 108	427 305 226 154 100	48 (Z)		106 1 26 22 14	1715 1714 1713 1712 1711	17,810 29,264 21,598 30,523 28,122	17,783 29,248 21,573 30,502 28,100	(Ž)	18 7	(Z) 1 12 4 1	9 2 4 6	9 6 11 6 15
1735 1734 1733 1732 1731	40,069 35,563 40,085 30,891 41,595	39,818 35,216 39,854 30,847 41,194	2	250 338 169 21 90	1 14		1 8 62 9 309	1710 1709 1708 1707 1706	23,498 34,547 28,975 28,088 19,780	23,351 34,467 28,716 27,684 19,379	2 1 7 6 5	117 65 184 83 94	57 192 17	(Z) 2 1 46 5	26 12 10 77 280 32
1730 1729 1728 1727 1726	35,080 39,951 42,588 43,275 32,311	34,860 39,785 42,328 43,026 32,159	16 1	73 161 155 225 142	(Z) 1		131 5 103 24 9	1705 1704 1703 1702 1701	15,661 34,864 20,075 37,209 32,189	15,573 34,665 19,451 36,749 31,754	7 2 3	47 86 313 304 270	9 113 67 44	2 3	95 193 86 120
1725 1724 1723 1722 1721	21,046 26,634 29,297 28,543 37,292	20,968 26,612 29,259 28,383	(Ž) 6 8 47	66 13 23 140 254	(Z)	2 1 2 1	12 9 7 10	1700 1699 1698 ² 1698 ³ 1697 ³	37,840 31,253 8,478 23,052 35,632	37,166 30,641 8,359 22,738 35,329	(Z) (Z) (Z)	398 65 67 22 118	23 16 (Z) 2 1	12 32 9 7 27	233 496 43 283 156

Z Less than 500 pounds.

¹ Includes Portugal and Madeira Islands, rest of Europe, Turkey, Africa, East Indies, Antigua, Barbados, Bermuda, Jamaica, St. Kitts, and others and prize.

Series Z 449-456. American Tobacco Imported and Reexported by Great Britain: 1697 to 1791
[In millions of pounds. For years ending December 24 unless otherwise noted. Outports are English ports other than London]

			Imports			Re	exports					Imports			Re	exports	
Year	Total		England		Scot-	Total	Eng-	Scot-	Year	Total		England		Scot-	Total	Eng-	Scot-
		Total	London	Outports	land 1		land	land 1			Total	London	Outports	land 1		land	land 1
	449	450	451	452	453	454	455	456		449	450	451	452	453	454	455	456
1791	53 58 59 49 40 45 43 44 102 97 100 97 105 68 73 81 98 71 73 85 50 64 64 79 87 78	38 477 48 399 322 328 34 40 166 566 561 58 39 43 48 48 447 52 35 44 442 33 577 46 51 51 51 51 51 51 51 51 51 51 51 51 51	38 36 43 27 24 29 29 47 29 27 29 27 29 31 31 33 33 37 33 33 26	18 15 15 12 9 12 14 16 20 17 18 22 22 0 24 16 20 20 14 22 26 25 24 20 26 26 23	14 11 12 10 8 8 9 9 4 4 4 45 45 45 47 39 38 33 26 33 26 32 26 32 15 26 18 18 15 26 21	54 37 38 16 34 27 35 31 8 74 79 94 87 73 63 63 63 63 64 55 62 66 64 56 65 66 67 67 68 68 68 68 68 68 68 68 68 68 68 68 68	44 28 29 7 27 27 21 26 28 6 4 45 50 50 41 31 33 33 39 39 40 32 26 28 26 28 37 40 31 40 31 40 40 40 40 40 40 40 40 40 40 40 40 40	10 9 8 8 9 8 6 9 3 3 2 2 30 34 44 44 44 40 35 36 20 21 21 21 21 21 21 21 21 21 21 21 21 21	1705 1704	41 53 45 46 41 47 50 50 50 25 32 34 41 20 30 20 25 30	36 47 40 50 31 40 31 42 27 29 37 35 34 82 22 21 18 22 22 25 25 25 25 26 26 35 55 55 55 55	19 31 26 32 22 25 26 24 27 20 29 24 27 29 28 20 14 18 21	17 16 15 19 13 14 12 13 11 13 11 11 16 12 7 7 8 9 9	5 7 5 7 5 7 7 7 7 7 7 4 4 6 5 7 4 4 1 1 1 1	42 43 37 37 34 38 38 35 32 31 16 16 28 24 25 30	35 38 38 41 32 27 26 31 29 26 28 13 22 26 28 13 22 1 26 28 12 17 12 17 19 15 15 17 17 19 15 17 17 17 17 17 17 17 17 17 17 17 17 17	7 5 4
1748 1747 1746 1745 1744 1742 1741	64 52 55 52 67 53 68	51 51 40 41 41 57 43 59	28 29 19 22 24 33 24 41	28 23 21 19 17 24 19	13 12 14 11 11 10 9	52 49 43 51 58 52 54	43 39 32 33 42 47 44 46	13 16 10 10 11 8 8	1703 1702 1701 1700 1699 1698 2 1697 2		37 32 38 31 23 36	25 21 25 18 10 26	12 11 12 13 13 13			14 21 25 22 18 18	

 $^{^1\}mathrm{For}\ 1721-1731$ and 1752-1754, for years ending Sept. 28; 1755-1775, years ending Jan. 4 of following year.

² For Sept. 29-Dec. 24. ³ For years ending Sept. 28.

² For years ending Sept. 28.

Series Z 457-459. American Tobacco Imported by England: 1616 to 1695

[In thousands of pounds. For years ending September 28 except 1687-1640, unknown; 1672-1682, 1693-1695, December 24; 1690-1692, November. Leaders denote no satisfactory data available. Outports are English ports other than London]

Year	Total	London	Outports	Year	Total	London	Outports	Year	Total	London	Outports
	457	458	459		457	458	459		457	458	459
1695 1694 1693 1692 1691	27.836.7	19,937.4 17,280.7 19,866.0 13,423.5 14,830.5	10,556.0 7,598.1	1680		11,943.0 12,983.0 14,455.0 11,735.0 11,127.0 10,539.0	7,020.0	1629	178.7 552.9 376.9 333.1	89.0 420.1 335.8 213.3	89.7 132.8 41.6 119.8
1690	28,385,5	12,638.0 14,392.6 14,890.5 14,072.0 14,541.5	13,495.0 13,495.0 13,495.0	1669 1663 1640 1639	15,039.6	9,037.3 7,371.1 1,257.0 1,345.0	6,002.3	1625 1624 1623 1622 1621	203.0 134.6 61.6 73.8	187.3 119.4 59.4 73.8	15.6 15.2 2.2
1684 1683 1682 1681	21,399.0	12,592.0 14,472.0	13,495.0 13,495.0 8,807.0	1637 1631 1630		3,134.0 1,537.0 209.7 360.6	62.5 97.5	1620 1619 1618 1617 1616	119.0 45.8 49.7 18.8 2.5	118.0 45.8 49.5 18.8 2.3	.2

Series Z 460-472. American Tobacco Exported and Imported, by Origin and Destination: 1768 to 1772
[In thousands of pounds. For years ending January 4 of following year]

Year and destination	Total	New Hamp- shire	Massa- chusetts	Rhode Island	Connect- icut	New York	Pennsyl- vania	Mary- land	Virginia	North Carolina	South Carolina	Georgia	Florida
	460	461	462	463	464	465	466	467	468	469	470	471	472
1772													
Exports Great Britain	106,979.4 106,574.0	2.0	23.7	14.0	1.7	58.6	26.4	33,909.2 33,902.0		1,604.8 1,573.4	527.6 479.0		
West Indies Coastwise	178.0 194.4	2.0	.5 23.2	1.8 4.1	.3 1.4	6.7 36.6		2.5 4.7	147.0	11.8	7.4 35.7	8.9	
Southern Europe and Africa Imports, coastwise	33.0 287.4		13.7	8.1 16.6	.6	15.3 25.1	4.1 30.8			i	(3)		
1771											l		
Exports Great Britain	112.508.6		58.0	11.4	5.0	48.2		38,931.4		1,872.2		34.9 34.9	
West Indies Coastwise	197.5	4.4	55.6	9.9	2.9 2.1	29.1	1.0 1.1	16.3			27.1		
Southern Europe and Africa Imports, coastwise	33.4 141.5		2.4 39.3	$\frac{1.5}{7.2}$	1.0	19.1 66.7					8.1	<u>.</u> 2	
1770													
Exports Great Britain	89,744.3 89,321.4		20.9	.4		34.6	6.5		60,811.1	1,084.7	233.2 145.5		
West Indies Coastwise	165.4 248.2	3.7	20.9	.4	10.8 2.7	$\frac{3.4}{21.9}$	6.5	3.1 2.1	145.6 91.8		87.7	.1	.3
Southern Europe and Africa Imports, coastwise	9.3 158.7	5.9	39.0	5.4		$\frac{9.3}{72.6}$	32.4					.5	2.9
1769													
ExportsGreat Britain	83.945.2	-	46.7	11.2	29.3	12.6	1.2	25,790.8 25,781.8	57,337.8	549.6	310.4 275.4	.6	
West Indies Coastwise	155.2		.3 45.5	2.3 6.6		1.3 10.6	1.2	1.2 7.8		3.4 1.0	.1 34.9	1.6 3.0	
Southern Europe and Africa Imports, coastwise	4.6 95.2		.9 38.1	2.3	1.2	.7 34.4	14.7	-		1.0	<u>.</u>		5.0
1768													
Exports Great Britain	69,683.1	-	11.8	3.1	23.2	5.0		24,382.3 24.382.3	44,876.9 44.769.7	380.8 367.1			
West Indies Coastwise	139.2		11.8	1.4	23.2	1.0		24,382.3	107.2	367.1 6.4 7.3			
Southern Europe and Africa_ Imports, coastwise	20.5 4.3 22.1		3.7			4.0 10.0	5.5				.8	.7	1.4

 $^{^1\,\}rm Coastwise$ exports for 1772 include 14,589 lb. exported by Delaware; coastwise imports for 1769 include 224 lb. imported by the Jerseys.

Plus 5 pigtails.
 5 pigtails.

Series Z 473-480. Tea Imported From England by American Colonies: 1761 to 1775

[In pounds. For years ending December 24]

Year	Total	New England	New York	Pennsyl- vania	Virginia and Mary- land	Carolina	Georgia	Florida	Year	Total	New England	New York	Pennsyl- vania	Virginia and Mary- land	Carolina	Georgia	Florida
	473	474	475	476	477	478	479	480		473	474	475	476	477	478	479	480
1771 1770 1769	264,882	151,184 282,857 85,935 86,004	1,304 208,385 530 1,035 269 4,282 320,214	208, 191 128 495 81, 729 174, 883	8,825 31,273 26,491 78,117 32,961 18,270 37,355 41,944	4,332 83,959 22,916 36,385 1,175 12,982 34,639	3,661 5,070 10,265 5,420 2,980 4,426 5,212	5,368 2,543 813 1,742 3,104 1,757 2,661 4,953	1766 1765 1764 1768	361,001 518,424			87,741 60,796 54,538 41,949 18,281 7,884 144	36,088 29,177 23,280 18,249 23,481 12,773 22,244	24,261 20,112 36,067 18,374 22,860 17,850 22,893	2,325 6,798 2,918 1,989 2,768 1,003	415 672 72

Series Z 481-485. Rice Exported From Producing Areas: 1698 to 1789

[In barrels, except as indicated. Data are for various terminal dates, primarily December 24, January 4 (of the succeeding year), and October 31; see text]

	То	tal	Charleston,	Beaufort and	Georgia			To	tal	Charleston,	Beaufor and	Georgia
Year	Pounds	Barrels 1	S.C.	Georgetown, S.C.		Yes	ar	Pounds	Barrels 1	s.c.	Georgetov S.C.	vn,
	481	482	483	484	485			481	482	483	484	485
1789 1788 1787 1786 1785			100,000 82,400 65,195 66,557 63,732 61,974			1760 1759 1758 1757 1756		35,327,250 30,472,575 38,527,650 33,976,950 45,344,250	67,290 58,043 73,386 64,718 86,370	60,807 51,718 67,464 58,634 79,208	3,2 2,7 3,5 8,0 4,1	22 3,603 51 2,371 86 2,998
1784	76,265,700 81,476,325 69,218,625 81,755,100	145,268 155,193 131,845 155,724	24,255 118,482 126,940 104,821 125,151	6,594 6,681 4,076 5,209	20,192 21,572 22,948 25,364	1755 1754 1753 1752 1751		59,057,775 49,179,520 19,747,675 42,245,850 32,751,270	112,491 94,576 38,345 82,835 64,854	104,682 88,570 35,523 78,208 61,611	5,5 4,6 1,8 4,1 3,2	62 1,344 70 952 16 511 43
1770 1769 1768 1767	83,708,625 73,078,950 77,284,200 63,465,150 48,396,600	159,445 139,198 147,208 120,886 92,184	131,805 115,582 125,538 104,125 74,031	5,568 6,900 7,045 5,480 3,896	22,072 16,716 14,625 11,281 14,257	1750 1749 1748 1747 1746		27,372,500 21,381,030 28,368,550 27,643,060 27,335,040	54,745 43,194 57,895 56,996 56,948	51,190 41,034 55,000 54,146 54,101	2,6 2,1 2,8 2,8 2,8	60 95 50 47
1765 1764 1763 1762 1761	65,710,575 55,937,250 61,959,450 47,435,325 58,430,275	125,163 106,490 118,018 90,353 111,391	107,292 91,960 104,800 79,652 101,389	5,647 4,840 5,516 4,192 5,336	12,224 9,690 7,702 6,509 4,666	1745 1744 1743 1742 1741 1740		29,813,375 39,963,630 35,935,200 22,706,060 38,720,955 43,326,000	62,765 85,029 77,280 49,361 85,101 96,280	59,627 80,778 73,416 46,196 80,846 91,110	3,1 4,2 8,8 2,4 4,2 4,7	51
Year	Pou	Total nds	Barrels ¹	Charleston, S.C.	Beau and George S.C	d town,	3	Year	Total, pounds	Ye	ar	Total, pounds
	48	1	482	483	484	4			481			481
1739 1738 1737 1736	16.3	167,800 327,350 201,400 804,000	71,484 36,283 44,892 55,120	67,1 84,3 42,8 52,9	24 27	4,367 1,959 2,065 2,149	1723 1722		8,654,44 ⁴ 8,797,30 ⁴ 9,732,37 ⁴ 7,963,61	4 1709 7 1708 5 1707		1,600,988 1,510,679 675,327 561,185 267,309
1735 1734 1733 1732 1731	13,1 23,1 16,1	259,800 991,850 245,200 866,000 753,450	47,244 31,093 51,656 37,480 48,341	45,7 30,3 50,7 37,0 48,3	23 26 68	770 930	1719 1718 1717		6,485,66; 4,001,21; 2,956,72; 2,881,33; 4,584,92;	2 0 1704 7 1708 5 1702		759,536 694,493 612,646 194,618
1730	14, 12, 11, 9,	774,900 248,960 884,950 291,280 442,710 093,600	41,722 32,384 29,965 26,884 23,031 17,784	41,77 32,3 29,9 26,8 23,0 17,7	84 65 84 31		1714 1713		2,367,600 3,139,36 3,850,530 1,181,486	1 1699 8 1698 ²		894,130 131,207 10,407

¹ Number of pounds per barrel varied from year to year; see text.

² Year ending Sept. 28; exports from Sept. 29 to Dec. 24, 1698, were 1,597 pounds.

Series Z 486-492. Rice Exported From Charleston, S.C., by Destination: 1717 to 1766

[In barrels. For 1717-1738, for years ending December 24; for 1758-1766, ending January 4 of following year]

Year	Total	England	Scotland	Conti- nental Colonies	British West Indies	West Indies	Countries south of Cape Finisterre		Total	England	Scotland	Conti- nental Colonies	British West Indies	Countries south of Cape Finisterre
	486	487	488	489	490	491	492		486	487	488	489	490	492
1766 1763 1762 1759 1758 1738 1737 1736	85,862 103,451 82,159 51,037 61,501 32,372 37,896 53,376	39,468 51,335 33,217 18,517 30,687 27,331 32,322 38,158	2,862 3,703 4,573 9,359 7,214	3,297 16,117 10,921 4,546 4,611 596 511 798	11,730 16,466 20,239 5,962 6,432 643 594 1,164	3,369 1,490 1,970 490	25,136 14,840 11,239 12,163 12,557 3,802 4,469 13,256	1735 1734 1732 1781 1724 1719 1718 1717	44,418 37,303 38,942 48,337 19,908 13,357 8,421 10,380	28,345 24,849 26,766 38,331 16,452 8,423 6,187 7,257	31	667 605 1,417 1,787 2,199 3,210 1,005 1,980	718 1,061 1,504 1,872 1,257 1,693 1,229 1,143	14,693 10,788 9,255 6,397

Series Z 493-499. Rice Exported to England, by Origin: 1698 to 1776

[In hundredweights. For years ending December 24, except as noted]

Year	Total	Carolina	Georgia	New England	New York	Pennsyl- vania	Virginia and Mary- land	Year	Total	Carolina	Georgia	New England	New York	Pennsyl- vania	Virginia and Mary- land
	493	494	495	496	497	498	499		493	494	495	496	497	498	499
1776 1775 1774	425 988	3,507 452,822 339,911	2,835 110,020 69,387	4,232 870	7,312 5.696	2,530 9,980	144	1737 1736	154,818 151,234	154,010 150,797	(NA) (NA)	128		180 437	
1773 1772 1771	457,073 1479,226 1452,664	378,291 405,121 375,727	72,469 64,078 59,417	349	2,455 360 7,666	3,858 6,321 9,399	2,146 52	1735 1734 1733 1732	118,295 80,263 147,272 101,838	116,441 79,448 147,021 101,387	1,444	286 124 401	309 222	97 300 83 50	4 7 44
1770 1769	434 444	222,556 362,063	48,846 71,484	8,183 92	66 305	1,196 500		1731	164,515	161,246		1,784	37	1,448	
1768 1767 1766	288,537 1238,680	380,720 257,936 193,915	41,398 27,530 44,387	6,457 193 88	565 1,650 24	2,719 1,072 175	32 156 	1730 1729 1728 1727	139,384 119,202 100,466 89,942	136,578 117,550 95,973 89,942		1,365 1,120 1,986 (NA)	507 232 1,918 (NA)	922 300 589 (NA)	12 (NA)
1765 1764 1763 1762 1761	320,734	319,164 291,546 251,476 138,777 224,964	28,495 20,377 9,494 7,786 7,220	554 1,631 1,537 750 164	6,916 4,574 5,354 408 4,562	1,501 2,277 3,644 1,033 1,840	469 329	1726 1725 1724 1723	69,092 53,670 63,383 67,613	67,041 52,268 59,385 60,952		499 754 3,115 5,746	1,465 585 556 488	87 63 327 425	2 38
1760 1759 1758	108,673 109,596	95,773 102,001	11,628 6,358 (NA)	481 305	309 523	958 283 1,929	5	1722 1721 1720	76,084 62,215 50,669	72,238 54,873 44,915		2,457 5,574 5,444	366 620 175	940 1,058 118	90
1757 1756	74,741 167,261	95,741 72,785 156,279	(NA) 5,931	1,375 1,359	4,819 67 3,621	514 71		1719 1718 1717	31,259 23,097 22,509	26,233 19,530 17,484		4,035 2,303 3,822	147 1,130 641	813 129 439	17 31 5 123
1755 1754 1753 1752 1751	976 995	306,720 273,862 120,221 261,387 196,863	3,945 2,782 1,970 1,047	342 62 1,815 4,363	1,837 204 225 1,387 923	1 25 174 794	1,266 1,400	1716 1715 1714 1713	85,820 18,497 24,527 30,083	27,555 14,405 22,264 28,517		5,709 2,013 1,620 1,393	871 1,272 210 165	1,424 807 433	261
1750	122,401 144,068	164,378 121,614 143,515 85,939 50,202	1,783 (NA) (NA) (NA)	505 748 79 1,094	209 431	6 39 344	9	1711 1710 1709 1708 1707 1706	9,231 12,508 11,802 5,276 4,385 2,089	8,678 12,265 11,274 5,220 4,120 2,058		174 128 289 49 178	879 105 232 83	21	10 7 7 9 7
1745 1744 1743 1742 1741	243 091	78,792 195,249 241,820 134,368 261,110	(NA) (NA) 	38 1,323 244 52 860	317 156 60 1,006	1,006 240 888 179 613	79 4	1704 1703 1702 1701	5,933 5,426 4,786 1,521	5,550 5,320 4,568 1,457		217 17	79 62 218 64	28	59 27
1740 1739 1738	313,571 254,879 128,337	308,178 253,380 128,187	798	1,597 1,350 149	1,374 105	1,624	44 1	1700 1699 1698 ²	8,079 1,025 81	8,037 1,018 81		26 	4	7	12

NA Not available.

1 Includes exports from Florida in 1766, 91 cwt.; 1771, 54 cwt.; 1772, 1,200 cwt.

² Year ending Sept. 28. Data for Sept. 29 to Dec. 24, 1698, were 11 cwt. for Carolina and 2 cwt. for Virginia and Maryland.

Series Z 500-503. Pitch, Tar, and Turpentine Exported from Charleston, S.C.: 1725 to 1774 [In barrels. For years ending October 31. Leaders denote no data available]

Year	Pitch	Tar	Turpen- tine	Tar (green)	Year	Pitch	Tar	Turpen- tine	Tar (green)	Year	Pitch	Tar	Turpen- tine
	500	501	502	503	:	500	501	502	503		500	501	502
1774 1	870	1,176	1,394		1757 3	4,962	2,103	337	397	1740	11,377	2,436	577
L773 2	821	1,236	1,043	396	1756 5	3,058	2,711	1,195	1,070	1739	7.890	2,722	33
L772 3	4,125	2,728	864	2,995	1755	5.869	2,596	2,171	547	1738	16,088	5,417	845
1771	7,429	2,259	1,353	1,142	1754	11,025	2,295	5,375	369	1737	11.987	8.501	4.411
	′ 1	,			1753	15,220	6,008	6,496		1736	11,736	1,491	5,198
1770	4,133	827	1,335	2,111	1752	20,483	2.651	6,271				-,	1
1769	5,256	1,278	3,201	3,849 822	1751	11,441	5,070	1,401		1735	24,036	5,636	8,061 4,552
1768 8	6,948	1,454	5,761	822		·				1734	28,874	7,336	4,552
1767 3	12,339	2,232	3,787		1750 4	11,157	3,858	812		1733	18,165	6,604	2.212
					1749	7,796	3,765	1,582		1732	32,593	4,575	2,466
1765 º	8,751	2,183	658	392	1748	5,521	3,075	2,397		1731	9,385	1,725	2,466 1,560
1764	7,459	3,093	1,643	65	1747	13,737	4,422	5,162		ļ		· ·	
1763 4	6,087	1,265	3,042	411	1746	18,016	1,519	4,262		1730	10,825	2,014	1,073
1762	6,315	1,244	1,438	289				-		1729	8,377	3,441	1,913
L761 4	6,626	1,438	4,874		1745	8,823	1,286	988		1728	3,186	2,269	1,913 1,232
					1744	7,678	17,552	1,245		1727	13,654	10,950	1.252
1760	5,754	886	2,420	97	1743	9,755	2,206	2,012		1726	29,776	8,322	715
1759	7,813	2,236	1,333	405	1742	15,808	3,115	1,986		1725	57,422	2,333	133
1758	2,521	1,720	937	328	1741	11,831	1,811	1,691		1	•		l

Timber and Timber Products Exported From Charleston, S.C., and Savannah, Ga.: 1754 to 1774 Series **Z** 504–509. [Charleston, for years ending October 31; Savannah, unknown]

	c	harleston, S.	С.	s	avannah, G	a.		С	harleston, S.	С.	s	Savannah, G	a.
Year	Lumber (feet)	Shingles	Staves	Timber (feet)	Shingles	Staves	Year	Lumber (feet)	Shingles	Staves	Timber (feet)	Shingles	Staves
	504	505	506	507	508	509		504	505	506	507	508	509
1774 1 1773 2 1772 2 1771 1770 1769 1768 3 1767 3 1766 2 1765 2 1764 4	592,026 760,125 450,118 	858,100 1,313,500 1,392,075 709,000 1,395,625 2,072,947 2,131,000 1,717,800	101,228 117,860 282,180 182,940 240,813	1,805,992 1,634,831 1,787,258 1,767,199 1,101,466 1,879,454	2,224,598 2,896,991 3,474,588 3,669,477	988,471 403,253 466,276 747,903 806,609 748,168 737,898 661,416 423,251	1763 4 1762 1761 1761 1759 1758 1756 1756 1755 1755 1756 1755 1755 1755	545,338	1,225,160 896,500 1,354,500 1,354,500 1,354,500 1,204,890 724,000 664,100 522,420 952,880 822,120	362,065 163,990 236,327 135,992 146,172 145,529 83,617 109,890 168,121 102,290	917,384 417,449 307,690	1,470,120 685,265 606,650	594,356 325,477 50,969

Series Z 510-515. Number and Tonnage of Vessels Built, by Type: 1768 to 1773

[Vessels built and registered in British North America, Bahamas, and Bermuda]

	То	tal	Тора	sails	Sloops and	schooners		То	tal	Тор	sails	Sloops and	schooners
Year registered	Number	Tonnage	Number	Tonnage	Number	Tonnage	Year registered	Number	Tonnage	Number	Tonnage	Number	Tonnage
	510	511	512	513	514	515		510	511	512	513	514	515
Total	3,124	170,837	928	100,610	2,196	70,227	-						
1773 1772 1771	638 557 478	38,029 32,423 25,275	212 184 131	24,500 19,854 14,695	426 373 347	13,529 12,569 10,580	1770 1769 1768	515 450 486	24,198 21,460 29,452	130 114 157	11,216 11,247 19,098	385 336 329	12,982 10,213 10,354

Data for 4 months.
 Data for 7 months.
 Data for 10 months.

⁴ Data for 11 months.
5 Data for 9 months.

Charleston data for 4 months.
 Charleston data for 7 months.
 Charleston data for 10 months.

⁴ Charleston data for 11 months. ⁵ Charleston data for 9 months.

SHIPPING AND FISHERIES

Series Z 516-529. Vessels Built in Thirteen Colonies and West Florida: 1769 to 1771

Year and type of vessel	Total	New Hamp- shire	Massa- chusetts	Rhode Island	Connect- icut	New York	New Jersey	Pennsyl- vania	Mary- land	Virginia	North Carolina	South Carolina	Georgia	West Florida
	516	517	518	519	520	521	522	523	524	525	526	527	528	529
1771														
Topsails Sloops and schooners Tons	128 293 24,092	15 40 4,991	42 83 7,704	15 60 2,148	7 39 1,483	9 28 1,698	- 2 70	15 6 1,307	10 8 1,645	10 9 1,678	- 8 241	3 4 560	2 4 543	- 2 24
1770														
Topsails Sloops and schooners Tons	118 283 20,620	27 20 3,581	31 118 7,274	16 49 2,085	5 41 1,522	8 10 960	- - -	18 8 2,354	7 10 1,545	6 15 1,105	- 5 125	- 3 52	- 3 57	- 1 10
1769											1			
Topsails Sloops and schooners Tons	114 276 20,081	16 29 2,452	40 97 8,013	8 31 1,428	7 43 1,542	5 14 955	1 3 83	14 8 1,469	9 11 1,344	21 1,269	3 9 607	4 8 789	- 2 50	1 80

⁻ Represents zero.

Series Z 530-533. Number of Vessels Engaged in Whaling, and Quantity and Value of Oil Acquired, Nantucket, Mass.: 1715 to 1789

[Year ending date unknown]

	Number	Tons burden,	О	il		Number	Tons burden,	O	il		Number	Tons burden,	О	iI
Year or period	of vessels	each vessel	Barrels	Value (£) 1	Year	of vessels	each vessel	Barrels	Value (£) 1	Year	of vessels	each vessel	Barrels	Value (£) 1
	530	531	532	533		530	531	532	533		530	531	532	533
1787–1789 1785 1784 1783 1772–1775 1772 1771	36 15 28 19 150 98 115	90–180	(2) 5,400 2,260 30,000 7,825 12,754	12,060 (2) 14,500 16,280 167,000	1770	3 125 119 3 125 108 118 101 72	75–110	3 14,331 19,140 3 15,439 16,561 11,969 11,512 11,983		1763	60 78 80 60 25 6	75 50–75 38–50 38	9,238 9,440 12,000 11,250 3,700 600	27,600 19,648 3,200 41,100

 $^{^1\,\}mbox{\pounds},$ pound sterling. See source for value per ton. $^2\,\mbox{Ships}$ still at sea at time of reporting.

Series Z 534-538. State of the Cod Fishery of Massachusetts: 1765 to 1775

Port	Vessels, annually	Tonnage	Seamen	Quintals to Europe	Quintals to the West Indies	Port	Vessels, annually	Ťonnage	Seamen	Quintals to Europe	Quintals to the West Indies
	534	535	536	537	538		534	535	536	537	538
Total	665	25,630	4,405	178,800	172,500	Scituate Duxborough	10	400 160	70 28	1,000 400	3,000
Marblehead Gloucester Manchester Beverly	150 146 25 15 30	7,500 5,530 1,500 750	1,200 888 200 120	80,000 35,000 10,000 6,000	40,000 42,500 10,000 6,000	Kingston Yarmouth Wellfleet	6 30 3 10	240 900 90 400	28 42 180 21 80	3,000 3,000 300 1,000	1,200 1,600 6,000 600 3,000
NewburyportIpswichPlymouthHoassetHingham	30 10 50 60 6	1,500 400 900 2,400 240 240	240 60 190 420 42 42	12,000 2,000 8,000 8,000 800 800	12,000 2,000 5,500 16,000 1,600 1,600	Provincetown Chatham Nantucket Maine Weymouth	4 30 8 60 2	160 900 320 1,000 100	32 240 64 230 16	500 4,000 1,000 4,000 200	1,100 8,000 2,200 8,000 600

Different figures are quoted by the source (p. 233) from the Massachusetts Historical Society Collection.
 Includes the value of 11,000 pounds of whale bone.

Series Z 539-550. Daily Wages of Selected Types of Workmen, by Area: 1621 to 1781

[£, pound sterling; s, shilling; d, pence. Pay in local currency; not comparable from colony to colony]

			With board	d furnished				,	Without bos	rd furnished	l	
Area and year	Carpenters	Masons and bricklayers	Joiners and riggers	Coopers	Tailors	Laborers	Carpenters	Masons and bricklayers	Joiners and riggers	Coopers	Tailors	Laborers
	539	540	541	542	543	544	545	546	547	548	549	550
	s. d.	s. d.	s, d.	s. d.	s. d.	s. d.	s, d.	s. d.	8. d.	s. d.	£ s. d.	8. d.
Virginia, 1781 Providence, 1779							5-0 72-0	5–0 73–0	72-0	5-0	5-0 117-0-0	2-0 48-0
Rhode Island, 1776 South Carolina, 1710 Massachusetts, 1670					13-0	2-0	5-0 3 to 5-0 2-0	6-6 6-0 2-0	5-0 8 to 5-0	5-0 4-0 * 2-8	5-0 1-8	3–0 (1) 1–3
New Haven, 1641							2-0 2-6	2-0 2-6	2-0 2-6	2-0 2-6		18 2-0
Massachusetts, 1633Virginia, 1621	14 3–0	14 3-0	14 4-0	3–0	12 2–0	2-0	2-0 4-0	2-0 4-0	2-0 5-0	4-0	3–0	18 3-0

¹ Per suit. ² 1s. 3d. to 2s.

Series Z 551-556. Daily and Monthly Wages of Agricultural Laborers in Maryland: 1638 to 1676

[8, shilling; d, pence]

		Daily wages	ı	М	onthly wage	28]	Daily wages		М	onthly wag	25
	In to	bacco		In to	bacco			In tol	acco		In tol	oacco	
Year	Pounds of tobacco	Price per pound	Sterling	Pounds of tobacco	Price per pound	Sterling	Year	Pounds of tobacco	Price per pound	Sterling	Pounds of tobacco	Price per pound	Sterling
	551	552	553	554	555	556		551	552	553	554	555	556
		8.	s. d.		8.	s. d.			8.	s. d.		8.	s. d.
676				800	11.0	25-0	1654				600	12.0	100-0
670 669 ²	20	1.5	2-6	175 320 125	11.5 1.5	21-10 40-0	1652 1649			2-6	600	12.0	100-
669 2	20	1.0		125	1.5	15-8	1648	10 15 20	12.0	2-6	250	12.0	41-
669 2				150	1.5	189	1647	20	1.5	2-6	170	1.5	21-
667				600	.5	25-0	1645				170		
662		}	1	266	1.2	26-8	1644 2	10	11.5	1-3	170 187	1.5 11.2	21 23
660 2				200	1.0	16-8	1644 2				167	11.2	20-1
660 ²				250	1.0	20-10	1644 3				133	11.2	16-
656	15 25 20	12.0	2-6				1642	15 20	.6 11.2	9	100	.6	5
655 ²	25	2.0 2.0	4-2 3-4				1641 1638	20	11.2	2-0			8-

¹ Estimate.

Series Z 557. Index of Wholesale Prices Estimated for Colonial and Pre-Federal Years: 1720 to 1789

[1850-59 = 100]

Year	Index	Year	Index	Year	Index	Year	Index	Year	Index	Year	Index	Year	Index
1789	94.0	1779	2,969.1	1769	81.2	1759	85.8	1749	76.1	1739	59.6	1729	62.9
1788	97.4	1778	598.1	1768	80.7	1758	73.9	1748	74.3	1738	69.4	1728	63.1
1787	103.9	1777	329.6	1767	81.7	1757	69.6	1747	65.6	1737	69.3	1727	66.3
1786	105.1	1776	108.0	1766	81.7	1756	69.5	1746	55.0	1786	62.6	1726	68.7
1785	105.0	1775	78.0	1765	76.7	1755	71.2	1745	53.7	1735	66.8	1725	65.7
1784	112.7	1774	84.3	1764	77.2	1754	71.4	1744	57.1	1734	67.0	1724	60.4
1783	119.1	1778	90.9	1763	83.5	1758	78.2	1743	59.7	1738	59.7	1728	57.3
1782	139.6	1772	98.2	1762	83.4	1752	75.6	1742	69.7	1732	58.0	1722	55.5
1781	5,085.8	1771	84.9	1761	77.5	1751	72.0	1741	78.6	1781	59.2	1721	53.4
1780	10,544.1	1770	80.0	1760	81.5	1750	73.9	1740	59.6	1730	66.6	1720	58.6

For 32-gal. barrel.

 $^{^{2}}$ Source does not explain why 2 (or 3) sets of figures are given.

Series Z 558-577. Average Annual Wholesale Prices of Selected Commodities in Philadelphia: 1720 to 1775
[In Pennsylvania currency; in shillings per unit of quantity indicated, except series Z 573 in pounds]

					Bre	ad				Sa	lt		Sugar,	Rı	ım	Ma-				
Year	Corn	Wheat	To- bacco	Rice	Mid- dling	Ship	Flour	Beef	Pork	Coarse	Fine	Molas- ses	mus- co- vado	New Eng- land	West Indies	deira	Barrel staves	Pitch	Tar	Cot- ton
	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577
1005	Bu.	Bu.	Cwt. 1	Cwt.	Cwt.	Cwt.	Cwt.	Bbl. 57.00	Bbl.	Bu. 2.13	Bu. 3.71	Gal.	Cwt.	Gal.	Gal. 3.05	Pipe 64.06	Mil.	Bbl.	Bbl.	Lb.
1775 1774 1773 1772 1771	2.90 2.83 3.14 3.69 3.50	7.42	32.29	16.92 18.34 23.39	31.08 30.93 31.23 28.93	14.57 17.30 19.95 15.68	15.36 18.12 18.92 20.26 17.50	54.31 54.58 57.05	69.50 83.97 93.46	1.38 1.69 1.85	2.05 2.22 1.85 1.55	1.79 1.74 1.75	55.56 50.02 49.18	2.20 2.19	3.03 3.25 3.44	55.17 56.75 54.03	63.49 71.85	14.70 14.54	14.32	1.27
1770 1769 1768 1767 1766	3.60 2.80 2.57 2.93 3.29	5.48 6.31 6.25	28.73 25.12 21.83 21.89 20.42	16.29 17.71 17.74 17.54 16.69	28.53 25.45 26.38 27.47 24.54	14.11 13.65 15.91 16.80 15.44	15.71 15.04 16.89 17.16 14.81	51.39 55.21 52.41 55.35 55.21	71.76	1.61 1.64	1.89 1.81 1.53 1.76	1.86 1.78 1.81 1.74 1.92	46.42 49.43	2.16 2.23 2.08	3.01 3.29 3.34 3.00 3.02	47.73 50.97	61.32 65.47	11.93 14.34 16.16	10.17 11.01 11.69	1.37 1.71 1.93
1765 1764 1763 1762 1761		6.06 5.66	17.71 19.48 21.42	14.34 14.52 15.50 13.90 16.58	24.92 23.84 30.18 28.88 25.18	13.88 12.95 17.82 17.49 12.67	13.50 12.81 16.94 16.82 14.82	58.75 60.00 60.29 58.04 54.91	98.26 86.95 85.63	1.92 2.21 2.86	2.86	1.76 1.63 1.99 2.29 2.42	48.73 49.79 52.15	2.59 2.79	3.72 3.94	49.34 50.79	64.90 66.04 90.85	15.28 14.93 13.47	12.36 12.30 10.04	1.87 2.04
1760		4.96 3.89 3.79	18.33 17.74	14.84	24.36 22.14 21.84 21.24 21.21	13.40 14.33 13.98 14.16 13.65	$12.27 \\ 11.31$	48.18 46.43	69.19 59.49 60.94	2.13 2.36 2.83	2.97 2.40 2.41 2.56 2.39	2.51 2.45	47.70 47.99	3.12 2.74	3.72 3.17	41.77 39.46	60.69 60.73 50.82	16.07 15.11 15.19	10.68 9.75 9.85	1.51 1.40 1.52
1755 1754 1758 1752 1751	2.16 2.34 2.91 2.56 2.79	4.46 4.48 4.38	17.77 19.47 19.90	$\frac{20.97}{16.32}$	21.42 21.64 21.52 21.94 22.37	14.50 15.89 13.87 13.17 14.20	13.76 14.11 12.80 13.13 12.34	45.13 45.70	61.19 63.20 72.35	1.47 1.43 1.26	1.54 1.63 1.85 1.53 1.30	1.89 2.00 2.03 1.94 1.86	51.70 48.00	2.44 2.47 2.39	3.22	29.56 28.96 30.70 30.10 30.07	55.94 56.87 53.28	20.06	10.67 9.76 10.08	1.58 1.65 1.90
1750 1749 1748 1748 1747	2.56 2.63 2.28 1.92 1.82	5.66 5.04 3.29	18.00 16.38	18.98 15.83 11.40	19.67 16.48	15.23 17.60 13.89 11.53 10.15	13.10 16.59 15.41 10.01 9.07	44.29	60.16 61.04 57.66	2.18 3.17 3.58	1.69 2.51 3.07 3.84 3.75	2.63	51.63 55.01	2.72 3.60 3.62	4.63	28.77 25.60 24.42	68.79 61.06 56.03	15.41 14.76 13.19	11.06 10.30	1.65 1.77 1.94
1745 1744 1743 1742 1741		2.49 2.84 3.58	16.25 17.65	11.03 11.96 16.17	14.31 15.96	8.81 8.47 9.06 11.77 15.83	8.01 7.68 8.69 10.98 13.66	44.75 36.63	60.49 68.52 54.17	2.05 1.94 2.90	2.56 2.23 2.20 2.67 2.19	2.34 1.80 1.87 2.28 1.82	49.97 38.94 40.94	2.36 2.84	3.16 3.64	27.38	40.85	13.90 14.25 16.21	10.92 10.40 12.75	1.19 .99 1.01
1740	1.50 1.41 2.10 2.08 1.89	2.82 3.48 3.88	15.63 17.00 17.41	20.67 17.44	16.75	10.31 9.60 12.58 11.78 10.94	8.72 8.03 11.16 11.71 9.61	35.63 35.75 36.67 36.06 33.50	54.88 59.58 54.44	1.24 1.35 1.22	2.24	1.65 1.59 1.60 1.58 1.68	35.64	1.81	2.53 2.33 2.29 2.65 2.24	22.00 20.88	44.58 47.56 45.36	10.85	9.42 8.63 8.56	1.33 1.22 1.17
1735 1734 1738 1732 1731		3.55 3.06 2.70	15.53	18.50 15.04	13.75 12.85 11.91	10.90 10.39	11.47 10.51 8.84 8.17 8.02	30.61 30.56 36.31	43.58 47.54 49.41	1.95	2.04 2.36 2.40	1.39	29.20 28.94 33.35		2.64			12.83 12.92 17.17 13.75 14.31	10.14 12.25 10.10	1.01 1.08 97
1730		3.70 3.39 3.27	15.08 16.06 17.87	18.74	14.88 14.00 13.72 13.46 14.08		11.56 10.65 10.02 11.46 12.51	36.72	59.24 51.65 59.17 47.79 48.58		3.09 2.15 1.85 2.07 1.85	1.53 1.51 1.43	35.00 35.17 32.63		4.01			13.11 18.40	11.00 11.92	
1725 1724 1723 1723 1722	1	3.36 2.73 2.97 3.05	10.25 10.04	14.13 13.92 15.44	11.92 11.67 12.54 13.00		8.93 8.83	30.65 30.58 30.67 30.00	36.00 40.48 45.00 45.00	2.23 2.05 1.19 1.46	2.81 1.65 1.85	1.30 1.24	29.42 36.88 31.88 33.13		2.85 2.35 2.57 2.94 2.31	20.50 19.08	22.50 22.50		11.38 10.25 8.33	
1720	1.73	3.08	13.79	16.92	13.31		9.26	30.00	46.46	2.31	2.31	1.34	35.52		2.68	17.99	22.50	14.17	9.83	

 $^{^{1}}$ Cwt. of tobacco was an exception to the rule that cwt. equaled 112 lb.; it equaled only 100 lb.

Series Z 578-582. Prices of Maryland Tobacco: 1711 to 1775

[In pence sterling per pound]

	Number of		Prices		Exchange		Number of		Prices		Exchange
Year	observations	Mean	High	Low	rate	Year	observations	Mean	High	Low	rate
	578	579	580	581	582		578	579	580	581	582
 1775	14	1.67	2.43	1.20	33 14 33 14 66 34 33 14 33 14 33 14	1748	36	0.67	1.20	0.19	100
1774	12	1.41	2.52	.90	3314	1742	50	.67	1.00	.30	100
1773 1	10 10	1.83 1.64	2.34 2.93	.86 1.13	663%	1741	28	.62	1.05	.24	100
1774 1778 ¹ 1778 ¹ 1778 ¹ 1772 ¹	19	1.44	1.92	.86	66%	1740	29	.80	1.20	.30	100
1772 1	19	1.64	2.40 2.70	1.08	33 14	1739	1 8	1.01	1.50	.45	33 4
1771	18	1.90	2.70	.90	33⅓	1738	18	1.02	1.80	.45	88 3
1770	ا مو	2.06	2.52	1.13		1737 1736	10	1.98	1.50	.45	33 ½ 33 ½ 33 ½ 33 ½
1770 1769	26 14	2.06	3.00	1.10	33 1/3 33 1/3 33 1/3 33 1/3	1/30	14	1.02	2.25	.36	38 7
1768	14	1.81	3.00	1.35 1.13	33 14	1785	16	.93	1.50	.45	991
1767	22	1.63	2.16	.72	33 ⅓	1734	28 13	.97	1.26	.54	33 1
1766	10	1.45	1.80	1.17	33 1/3	1783	13	.84	1.13	.54	88 %
TOT.	10 10	1.33	1.62	.90		1732 1731	9	.74	.90	.36	33 ½ 33 ½ 33 ½ 33 ½ 33 ½
1765 1764	12 10	1.26	1.50	1.04	33 1/4 33 1/4	1781	10	.65	.90	.23	88 3
763	20	1.10	1.44	.88	50 78	1780	15	.67	1.13	.27	991
1762	30]	1.39 1.54	3.00 2.00		50	1729	9	.70	.99	.38	33 1
1761	12	1.54	2.00	1.00	50	1728	14	.67	.75	.26 .75	33 1
		1 00	2.72		50	1727	14	.82	1.13 1.18	.75	33 ½ 33 ½ 33 ½ 33 ½ 33 ½
1760 1759	15 13	1.60 2.05	8.00	.80 1.28	50 50	1726	11	.91	1.18	.26	33 1/2
758	14	1.29	2.73	1.73	65	1725	11	1.05	1.80	.54	991
1757	17	1.16	1.90	.68	57.78	1724	10 /	.90	1.08	.72	33 ½ 33 ½ 33 ½ 83 ½ 83 ½
756	11	1.07	1.21	.91	65	1723	12	1.07	1.13	.75	33 1
		0.5	1 00	40	F0	1722	14	.86	1.13	.75	83 1
1755 1754	16 16	.85 1.04	1.60 1.33	.40 .60	50 50	1721	11	.97	1.50	.45	88 %
753	24	1.16	1.60	.60	50	1720	12	1.19	1.50	.75	93 1
752 1751	l îi l	1.48	1.60 1.54	.80	50	1719	12 20	1.04	1.50	.75	88 1
1751	15	1.16	1.54	.81	75	1718 1717	16	.89	1.35	.75	33 1
==0	ا مه ا		- 00	ا مما	100	1717	12	.79	1.13	.75	33 14 33 14 33 14 33 14 33 14
1750	16 26	1.16 .76	1.89 1.50	.60	100 100	1716	18	.80	1.44	.63	88 7
748	16	.67	1.00	.24	100	1715	10	.72	.75	.45	33 14
747	80	.45	1.00		100	1714	19	.71	.75	.29	33 1
746	11	.61	1.00	.30	100	1713 1712	17	1.00	1.00	.95	Par
	ا مما	ا ء ا	1.00	ا ۔۔ ا	100	1712	16	1.00	1.00	1.00	Par
745	26 41	.56 .63	1.20 1.00	.15 .15	100 100	1711	12	.97	1.00	.60	Par
. (44	41	.68	1.00	.10	100	1	1		l l		

 $^{^{1}\,\}mathrm{Two}$ exchange rates provided during 1772 and 1775, so prices are given for each rate; see text.

Series Z 583-584. Farm Prices of Maryland Tobacco, 1659 to 1710, and Chesapeake Tobacco, 1618 to 1658
[In pence sterling per pound. All figures rounded to the nearest twentieth of a pence]

Year	Maryland tobacco price	Year	Maryland tobacco price	Year	Maryland tobacco price	Year	Maryland tobacco price	Year	Chesapeake tobacco price 584	Year	Chesapeake tobacco price 584	Year	Chesapeake tobacco price
1710	0.85 .90 .90 .90 .80 .80 .90 .95 1.00 .95	1697	0.90 .85 .75 .75 .75 .80 .80 .70 .75 .85 1.00	1684 1683 1682 1681 1680 1679 1678 1677 1676 1675 1674 1673 1673 1672	0.80 .80 .80 .90 1.05 1.15 1.15 1.05 1.00 1.00	1671	1.05 1.15 1.25 1.10 90 1.10 1.35 1.55 1.50 1.50 1.65	1658	2.10 2.00 2.25 2.00 2.80 2.60 3.00 1.50 2.00 2.20	1645	1.50 2.55 1.80 4.20 2.50 3.00 3.00 3.00 5.35	1633	5.00 3.40 4.00 13.00 16.00 20.00 12.00 27.00

Series Z 585. Annual Rate of Exchange on London for Pennsylvania Currency: 1720 to 1775
[Pennsylvania currency for 100 £ sterling]

Year	Rate	Year	Rate	Year	Rate	Year	Rate	Year	Rate	Year	Rate
1775 1774 1773 1772 1771 1770 1770 1768 1768	166.04 169.74 165.80 161.21 165.57 153.99 158.31 166.36	1766	165.35 171.58 172.38 173.13 175.84 174.12 160.30 154.71 159.21	1757 1766 1755 1755 1754 1763 1762 1762 1761 1750 1749	165.95 172.52 168.88 168.15 167.96 166.66 170.63 171.10	1748	174.33 184.56 179.25 175.70 167.35 160.31 159.69 145.18	1740 1789 1788 1788 1797 1796 1785 1785 1788	164.06 170.00 167.50 167.50 165.13 162.50 165.00 161.10	1781	153.13 151.69 150.00 150.00 150.00 133.33 133.33 133.33

Series Z 586. Annual Price of an Ounce of Silver at Boston, Mass.: 1700 to 1749

[In paper shillings. Base 1700]

Year	Price	Year	Price	Year	Price	Year	Price	Year	Price	Year	Price
1749 1747 1746 1745 1744 1741 1739 1738	60.00 55.00 38.50 36.00 30.00 28.00 28.50 27.00	1797 1736 1735 1734 1733 1732 1732 1731	26.75 26.75 27.50 25.50 22.00 20.00 18.75 20.00	1729 1728 1727 1726 1725 1724 1723 1722	20.50 17.25 16.00 16.00 15.50 16.25 15.00 14.25	1721 1720 1719 1718 1717 1717 1716 1715 1714	13.00 12.33 12.00 11.00 10.00 10.00 9.00 9.00	1718 1712 1711 1710 1709 1708 1707 1706	8.50 8.50 8.38 8.00 8.00 8.00 8.00	1705 1704 1708 1702 1701 1700	8.00 7.00 7.00 7.00 7.00 7.00 7.00

Series Z 587-598. Partial List of Bills of Credit and Treasury Notes Issued by American Colonies: 1703 to 1775 [In thousands of colonial pounds except for Maryland in 1769 and 1773, which are in thousands of dollars]

Year	Massa- chusetts	Connect- icut	New Hampshire	Rhode Island	New York	Pennsyl- vania	New Jersey	Maryland	Delaware	Virginia	North Carolina	South Carolina
	587	588	589	590	591	592	593	594	595	596	597	598
1775				60		6						
1778						162		1480		² 36		
1772			2		1 120	25 15				30	3 66	
1111			-		1 - 120	10				30	'00	
1770		l -	[l				70
1769						30		1 318		10		2 107
1768		- -				20					20	
1767				2		20		65				
1764		37	1	•		55	* 25] 00				
1763		8 1 o					* 25 * 10					
1762	³ 60	8 65	20 120	³ 13			* 30	1		20		
1761	8 70	* 45	3 20				3 25				3 20	
1760		* 70	* 15	197	3 60	³ 100	* 45		* 4	52	* 12	ı 392
1759		170	3 4 13	\$ 27 \$ 20	100	³ 100	* 50		* 27	62	- 12	* 372
1758		3 30	* 21	21	3 100	* 100	1 60		3 12	89	3 11	
1757			* 21 * 20		l	⁸ 100	8 40			180	8 15	3 229
1756			8 36	8 4 14	3 62	* 85	3 18	3 40	3 2	1 35	14	
1755	10	4 62	3 40	² 240	² 63	² 15	* 40	24		₹ 60	3 40	33
1754	10] -				23		40	
1752												2 20
1751				1 4 25								
						l		1	1	l		
1748	3 400	- 		30 * 15							2 4 21	2 107
1747 1746	* 348 * 662	* 23	3 60	* 15	³ 28 ³ 53	5	* 16	26	20			1210
1745	1,040	140	127	39	* 99	, ,	, 10	- 0	20			1210
1744	344	³ 19		1450		² 10		2 1				
1743	85 117		1						¹ 6			
1742	117		4 30				- -					
1741	120			16				2 1				
1740	80	8 4 49	3 2	1430		İ		28	-			
1739	1	*****] "	- 50	2 10	2 80		- 0	26			
1738	26		1	¹ 110								
1737	81		10	30	148							
1736	48 39							2 1				1 210
1735 1734	39			2	12				1 12		2 53	
1733	79	1 30		1 104	12		140	90	- 12			
1731	24			¹ 60								2 107
											1	
1730 1729	13 20 36	6	2 2		2 3	1 30	120		<u>1</u> 12		140	
1729	36	4		1 48					- 12		140	
1727	88	4	2	l	23		² 25					220
1726	88 25 70 55	<u>-</u>	2 3 8 2 3 2	² 50								-
1725	70	[3 2		7							68
1724 1723	55 40	4	32	2	<u>2</u> -	145	1 40		111	l		63
1722	45	4	2 10		2	-40	- 40		- 11		2 12	
1721	17	-		¹ 100								
		=====]								l	
1720	1 65		1]	34
1719 1718	15 11	4							Мазва-	South		
1717	19		115		17			Year	chusetts	Carolina		
1716	1 111		2		-		5			<u> </u>		³ 15 ³ 35
1715	44		1	1 40					587	598	² 24	3 35
1714	1 50	222	1		28			1700				
1713 1712	14 25 195	*22	22					1708 1707	32 32	8 8	18 14	1 52
1712 1711	105	10	4	6	* 10		* 5	1706	32 44] ⁸	'4	37
***************************************					- 10		"	1705	18			
1710	44 46	5 119	3	3 7				1704 1703	32 32			
1709	1 46	₹ 19	1 3		13		* 3	1703	32	₹ 6		
	I	l	I i		I	l l	l i	l		l ,		

⁴ Indicates years in which there were issues of different tenor on a different basis from previous issues.

Loans.
 Reissues or exchanges.
 War costs.

Series Z 599-610. Paper Money Outstanding in American Colonies: 1705 to 1775 [In thousands of colonial pounds]

Year	Massa- chusetts	Connect- icut	New Hampshire	Rhode Island	New York	Pennsyl- vania	New Jersey	Delaware	Maryland	Virginia	North Carolina	South Carolina
•	599	600	601	602	603	604	605	606	607	608	609	610
1775		27			120	422 344	190		295	88	80 79	498
1765 1760			212		26 0	432 486	248 155			803	75 50	
1752		840	114			84		 -	60			
1748 1744 1739	2,135 305 243	281 60	114 30	550 340	80	85 85 80	38	14 17	60 90 90		21 	133 <u>2</u> 50
1735	309 311		23 22 27	320		69 69	60 23 18	20	90		58 53 40	107
1725	351		27			39	37	11				116
1720 1715	230 170	27	22 8	51 7	36		5				12 24	74
1710 1705	89 28	20		7	7							

Series Z 611-615. Tax Collections in America Under the Different Revenue Laws: 1765 to 1774 [In pounds sterling]

	New	v revenue meas	ures	Navigation			New reven	le measures		Navigation
Year	Total	Sugar act (1764, 1766)	Townshend revenue act (1767)	act (1673)	Year	Total	Sugar act (1764, 1766)	Stamp act (1765)	Townshend revenue act (1767)	act (1673)
_	611	612	614	615		611	612	613	614	615
1774 1773 1772 1771 1770	27,995 42,103 45,870 31,761 33,637	27,074 39,531 42,570 27,086 30,910	921 2,572 3,300 4,675 2,727	672 2,517 1,490 1,446 1,828	1769 1768 1767 1766 1766	45,499 37,861 34,041 26,696 17,383	39,938 24,659 33,844 26,696 14,091	3,292	5,561 13,202 197	1,294 1,160 3,908 7,378 2,954

Appendix:

Contributors to This Edition of Historical Statistics

[Listed below, by chapter and subject, are the names of persons other than those listed on pp. viii-x, who contributed new or revised data or text additions and revisions to this edition, to the extent they could be identified. In some cases, manuscript was provided for the book without specific identification of the persons engaged in its compilation, preparation, or review]

Subject	Contributor	Subject	Contributor		
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		scale, merchant ves- sels	Maritime Administration		
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Corporate sales and profits	William Levin, Federal Trade Commission	Documented vessels on Western rivers	Erik F. Haites, University of Western Ontario, and Gary M. Walton, Indiana		
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Refined petroleum products	William G. Carrico and Charles Hennig, Bureau of Mines	Tinorare production	tration		
Steel	Kenneth C. Allen and Robert Platt,	Chapter R			
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Road mileage and Federal-aid highway system	Robert Sherrer, Federal Highway Administration	Radio and TV stations, finances, employment	Communications Commission Larry D. Eads, Federal Communications Commission		

APPENDIX

Appendix: Contributors to This Edition—Con.

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Chapter R-Con.		Chapter U—Con.			
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Horsepower of all prime movers	John A. Waring, Takoma Park, Maryland	Finances of utility in- dustries	Joseph P. Kucharski, Federal Power Commission		
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Service establishments and receipts	John R. Wikoff, Bureau of the Census	Changes in gold stock	Margaret Garber, Board of Governors of the Federal Reserve System		
Advertising indexes	Robert J. Coen, McCann-Erickson, Inc.	Money market rates	Elizabeth Sette, Board of Governors of the Federal Reserve System		
Newspaper advertising linage	Bernice Bowman, Bureau of Economic Analysis	Bond and stock yields	Leo V. Barry, Jr., Bureau of Econom Analysis		
Chapter U		Corporate securities	Robert H. Menke, Securities and Exchange Commission		
Balance of payments	Evelyn M. Parrish, Bureau of Economic Analysis	New York Stock Ex- change sales	George S. Morrissey and George Troester Commercial and Financial Chronicle		
U.S. international investment position	Nancy R. Keith, Bureau of Economic Analysis	Commercial and non- national banks, assets	Benjamin Christopher, Federal Deposit Insurance Corporation		
Investment in foreign countries	Julius N. Friedlen, Bureau of Economic Analysis	and liabilities Commercial banks	Loree D. Bernard, Betty Jean Johnson,		
U.S. foreign grants and credits	E. Seymour Kerber, Bureau of Economic Analysis	Commercial pants	and Bessie McCrea, Board of Governors of the Federal Reserve System		

APPENDIX Appendix: Contributors to This Edition—Con.

Subject	Contributor	Subject	Contributor		
Chapter X—Con.		Chapter Y—Con.			
National banks, earn- ings and expenses	David C. Motter and Irving Ward, Comptroller of the Currency	Individual income tax liability	Gabriel G. Rudney, Department of the Treasury		
Federal Reserve Banks, assets and liabilities	Adrian P. Francoeur, Board of Governors of the Federal Reserve System	Outlays of the Federal Government	Matthew J. Conroy, Office of Manage- ment and Budget		
Federal Reserve member bank reserves	Dorothy Werner, Board of Governors of the Federal Reserve System	Federal grants	Alfred M. Skolnik, Social Security Administration		
Credit unions	Herman Nickerson, Jr., and Vincent J. Olive, National Credit Union Adminis- tration	Armed Forces charac- teristics	John L. Donnelly, Department of Defense		
Life insurance in force	Ilene Freidus and Rosemarie Shomstein, Institute of Life Insurance	Selective service regis- trants	Phyllis G. Knowles, Selective Service System		
Property and liability insurance	Robert J. Schrader and William Steurer, Alfred M. Best Co.	Defendants charged with Selective Service Act violations	Sam G. Moy, Administrative Office of the United States Courts		
Health insurance	Marjorie S. Mueller, Social Security Ad- ministration	Veterans population	Millard Klein, Veterans Administration		
	mmsuation	VA expenditures for veterans benefits	Paul Kamenick, Veterans Administrati		
Chapter Y					
Vote east for Depreser	W. Pat Jennings, Office of the Clerk,	Chapter Z			
Vote cast for Representatives	House of Representatives	Slave imports	W. Robert Higgins, Murray State University		
Campaign expenditures	Herbert Alexander, Citizens Research Foundation	Slave prices	Richard N. Bean, University of Houston		
Federal civilian employ- ment	Christine Steele, Civil Service Commission	Components of private wealth	Alice Hanson Jones, Washington University		
State and local govern- ment employment	Gerald Storch, Bureau of Labor Statistics	Trade between England and Colonies	John J. McCusker, University of Maryland		
Corporate income, estate, and gift taxes	Lloyd K. Gilmour, Internal Revenue Service	Export-import values	James F. Shepherd, Whitman College, and Gary M. Walton, Indiana University		
Individual income tax returns	Floyd Reeves, Internal Revenue Service	Tobacco prices	Carville Earle, University of Maryland, and Russell R. Menard, Annapolis, Maryland		

[Entries are series numbers. Each statistical series has been allocated to the time period for which the earliest figure in the series appears. For most series, an entry for a given time period means that the figures are presented for that and all later time periods]

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