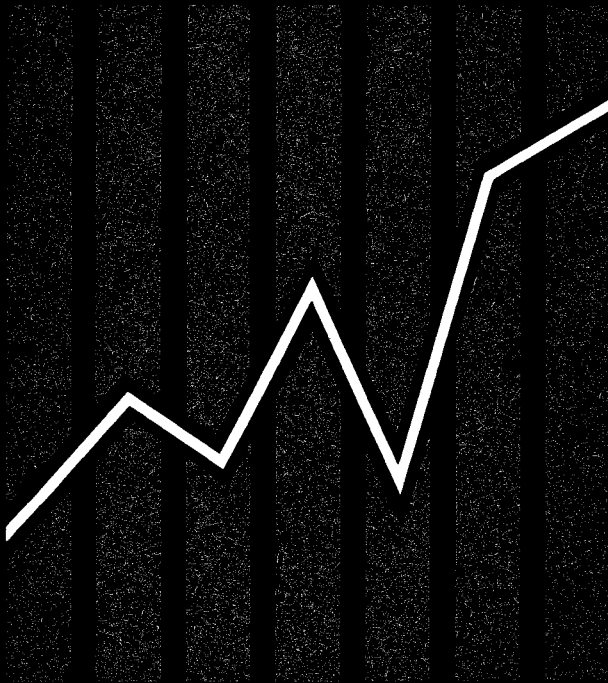


JULY 1991 / VOLUME 71 NUMBER

7



SURVEY OF CURRENT BUSINESS



UNITED STATES DEPARTMENT OF COMMERCE
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SURVEY OF CURRENT BUSINESS



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The Secretary of Commerce has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department.

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NOTE.—This issue of the Survey went to the printer on August 5, 1991.

It incorporates data from the following monthly BEA news releases:

- Gross National Product (July 26),
- Personal Income and Outlays (July 29), and
- Composite Indexes of Leading, Coincident, and Lagging Indicators (July 31).

the BUSINESS SITUATION

OVERALL economic conditions, as reflected in the national income and product accounts (NIPA's), showed improvement in the second quarter of 1991.

- Real GNP, a measure of U.S. production, increased 0.4 percent after decreasing 2.8 percent in the first quarter and 1.6 percent in the fourth quarter of 1990 (chart 1).¹
- Real gross domestic purchases, a measure of U.S. demand, increased 2.9 percent after decreasing in the two preceding quarters.
- Inflation as measured by the (fixed-weight) price index for gross domestic purchases slowed to 2.4 percent.

NOTE.—Daniel Larkins of the Current Business Analysis Division was primarily responsible for preparing this article, with contributions from Larry R. Moran, Ralph W. Morris, and Mira A. Piplani.

1. The regularly featured estimate of real GNP is based on 1982 weights. An alternative estimate of real GNP growth based on more current weights can be calculated using the change in the chain price index, which is published in table 8.1 of the "Selected NIPA Tables." This alternative measure increased 1.5 percent in the second quarter after decreasing 2.9 percent in the first quarter and 2.6 percent in the fourth. Growth of real GNP in 1987 dollars, another measure based on more current weights, will be published in the "Reconciliation and Other Special Tables" in the August 1991 SURVEY OF CURRENT BUSINESS.

- Real disposable personal income increased 1.2 percent after decreasing in the three preceding quarters.

The upswing in GNP was concentrated in motor vehicles and construction (table 1). Motor vehicles increased substantially in the second quarter after a large decrease; construction changed little after a decrease. Excluding motor vehicle and construction output, GNP decreased 0.9 percent in the second quarter after increasing in the two previous quarters.²

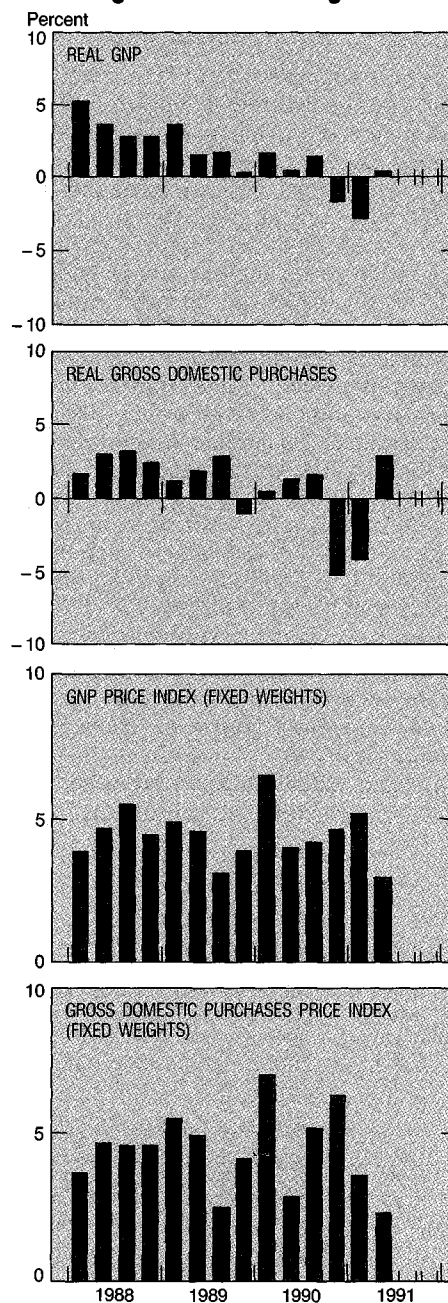
A detailed discussion of the major components of GNP will be presented in the August "Business Situation." In brief, personal consumption expenditures—which had decreased in the two preceding quarters, largely reflecting purchases of motor vehicles—increased substantially in the second quarter. This increase and smaller increases in several other major components were largely offset by a sharp drop in net exports.

2. The output of the motor vehicle industry is derived by summing auto output (shown in table 1.18 of the "Selected NIPA Tables") and truck output (shown in table 1.20). The output of the construction industry may be approximated by "structures," shown in NIPA table 1.4. This approximation excludes maintenance and repair construction and includes brokers' commissions on the sale of structures, as well as mining exploration, shafts, and wells; nevertheless, it probably tracks movements in construction output closely. The value of motor vehicle and construction output includes the value of inputs, such as steel, obtained from other domestic industries and from foreign suppliers as imports.

Looking Ahead...

- **National Income and Product Accounts Revision.** The upcoming comprehensive, or benchmark, revision of the national income and product accounts (NIPA's) is scheduled for release in November 1991 (see the box on page 4). The annual NIPA revision covering 1988–90, which would usually have been released this month, will be combined with the comprehensive revision.
- **U.S. Direct Investment Abroad.** Preliminary results of the 1989 benchmark survey of U.S. direct investment abroad will be presented in a fall issue of the SURVEY; revised estimates from the 1988 annual survey will be available in late August (see the box on page 93).

CHART 1
Selected Measures:
Change from Preceding Quarter



Note.—Percent change at annual rate from preceding quarter; based on seasonally adjusted estimates.

U.S. Department of Commerce, Bureau of Economic Analysis

91-7-1

Table 1.—Gross National Product, Motor Vehicle Output, and Construction Output
(Seasonally adjusted at annual rates)

	Billions of 1982 dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter				1990		1991	
		1990	1991	I	II	III	IV	I	II
	1991:II	III	IV	I	II	III	IV	I	II
Gross national product	4,128.4	14.9	-16.6	-29.3	4.3	1.4	-1.6	-2.8	0.4
Motor vehicle output	133.9	5.5	-27.3	-19.9	12.5	14.2	-50.7	-45.5	48.0
Construction output	333.8	-8.1	-11.4	-18.1	.2	-8.4	-12.0	-19.1	.2
Gross national product less motor vehicle and construction output	3,660.7	17.5	22.1	8.7	-8.4	1.9	2.5	1.0	-9

NOTE.—Motor vehicle output is derived by summing auto output (table 1.18 of the "Selected NIPA Tables") and truck output (table 1.20). Construction output may be approximated by "structures," shown in table 1.4 of the "Selected NIPA Tables." This approximation excludes maintenance and repair expenditures and includes brokers' commissions as well as mining exploration, shafts, and wells; nevertheless, it probably tracks movements in construction output closely. The value of motor vehicle and construction output includes the value of inputs, such as steel, obtained from other domestic industries and from foreign suppliers as imports.

Imports are subtracted from exports in the calculation of GNP. It is tempting to suppose that if imports had not increased \$31.6 billion, second-quarter GNP would have been that much higher. However, this temptation should be resisted because, conceptually and as a matter of *accounting*, imports do not affect GNP: The negative entry for imports is offset by positive entries for foreign produced goods and services in other GNP components (such as personal consumption expenditures). As a matter of *economics*, imports may affect GNP. An analysis of this effect must take into account both direct and indirect effects: Direct effects include impacts on the wholesaling and retailing of imported goods, and indirect effects include impacts on the demand for domestically produced goods and services.

Motor vehicles.—Motor vehicle production and sales both increased but remained weak after decreasing in the two preceding quarters. Inventories remained low.

Motor vehicle output increased 48.0 percent in the second quarter after

falling 45.5 percent in the first quarter and 50.7 percent in the fourth. The upswing in production—most of which was in trucks—probably was a response by manufacturers to an upturn in sales during the first quarter and an effort by manufacturers to keep truck inventories from falling further.

Real final sales of motor vehicles (sales to domestic purchasers plus net sales to foreigners) increased 20.3 percent after dropping 34.2 percent in the first quarter and 28.1 percent in the fourth; the turnaround in truck sales occurred earlier and was stronger than the turnaround in car sales. The second-quarter increase in car sales reflected increases both in unit sales and in the average expenditure per car.

Domestic car production increased to 5.3 million units (seasonally adjusted annual rate) in the second quarter from 5.1 million—the lowest level in 8 years—in the first. Currently, manufacturers plan a substantial increase in production, to 6.5 million, in the third quarter. Reflecting a small increase in sales to consumers, domestic car sales edged up to 6.1 million units in the

second quarter from 6.0 million in the first. The low production level kept inventories low; domestic car inventories slipped to 1.0 million at the end of the second quarter from 1.1 million at the end of the first. The inventory-sales ratio fell to 1.9 from 2.1.

The small second-quarter increase in car sales to consumers was consistent with (mostly small) improvements in many of the factors usually associated with consumer spending: Real disposable personal income increased after decreasing in three consecutive quarters, initial claims for State unemployment insurance decreased for the first time in five quarters, and the Index of Consumer Sentiment (prepared by the University of Michigan's Survey Research Center) increased for the second consecutive quarter but remained well below its second-quarter 1990 level. In addition to these general factors, manufacturers offered more attractive sales-incentive programs in the second quarter than in the first.

Sales of imported cars increased to 2.4 million units in the second quarter from 2.2 million in the first.

Sales of new trucks jumped to 4.1 million units in the second quarter from 3.8 million in the first. Light domestic truck sales accounted for the increase. Sales of imported light trucks increased slightly, and sales of "other" trucks decreased. Truck inventories increased for the first time in four quarters.

Prices

The fixed-weighted price indexes for both GNP and gross domestic purchases decelerated in the second quarter: The GNP price index slowed to a 3.0-percent increase after increasing 5.2 percent, and the gross domestic purchases price index slowed to a 2.4-percent increase after increasing 3.7 percent (table 2). Prices of gross domestic purchases less food and energy, which may be viewed as measuring the underlying inflation rate in the U.S. economy, slowed to a 3.3-percent increase after increasing 5.7 percent (chart 2).

Export prices, which are included in the GNP price index but not in the gross domestic purchases price index, increased at a slower rate in the second quarter than in the first. Import prices, which are subtracted in deriving the GNP price index but not in deriving the gross domestic purchases price index, decreased at a slower rate in the second quarter than in the

NOTE.—Quarterly estimates in the national income and product accounts are expressed at seasonally adjusted annual rates, and quarterly changes are differences between these rates. Quarter-to-quarter percent changes are annualized. Real, or constant-dollar, estimates are expressed in 1982 dollars. The advance GNP estimate for the second quarter is based on the following major source data, some of which are subject to revision. (The number of months for which data were available is shown in parentheses.)

Personal consumption expenditures: Sales of retail stores (3), and unit auto and truck sales (3);

Nonresidential fixed investment: Unit auto and truck sales (3), construction put in place (2), manufacturers' shipments of machinery and equipment (3), and exports and imports of machinery and equipment (2);

Residential investment: Construction put in place (2), and housing starts (3);

Change in business inventories: Manufacturing and trade inventories (2), and unit auto inventories (3);

Net exports of goods and services: Merchandise exports and merchandise imports (2);

Government purchases of goods and services: Federal outlays (2), and State and local construction put in place (2);

GNP prices: Consumer Price Index (3), Producer Price Index (3), nonpetroleum merchandise export and import price indexes (3), and values and quantities of petroleum imports (2).

first. Movements of import prices in recent quarters are largely traceable to imported petroleum. Prices of imported petroleum decreased in the second quarter but at a slower rate than in the first.

Prices of personal consumption expenditures (PCE) increased 2.6 percent after a 3.3-percent increase. Food prices were up less than in the first quarter, although prices of vegetables increased sharply as a result of shortages caused by unusually cold winter weather. In energy, the prices of all major categories decreased less than in the first quarter. Prices of "other" PCE increased less than in the first

quarter; the slowdown was largely accounted for by autos and by clothing and shoes.

Among the investment components, prices of nonresidential structures and producers' durable equipment (PDE) increased less than in the first quarter; the deceleration in PDE prices was substantial and widespread. Prices of residential investment registered a modest upswing.

Prices of government purchases moderated in the second quarter. Prices of Federal Government purchases increased much less than in the first quarter, when they had been boosted by a pay raise for civilian and military personnel. Prices of State and local government purchases increased at the same rate as in the first quarter.

proprietors' income increased \$8.8 billion after a decrease. The upswing reflected a pickup in single-family construction (the part of the construction industry in which proprietorships and partnerships are concentrated) and turnarounds in wholesale and retail trade and in real estate.

Transfer payments increased \$13.1 billion in the second quarter, considerably less than in the first. In the first quarter, cost-of-living adjustments to benefits under social security and several other Federal retirement and income support programs added \$17.8 billion to transfer payments.

Personal interest income decreased more than in the first quarter; in both quarters, the decreases reflected lower interest rates.

Table 2.—Price Indexes (Fixed Weights): Change From Preceding Quarter

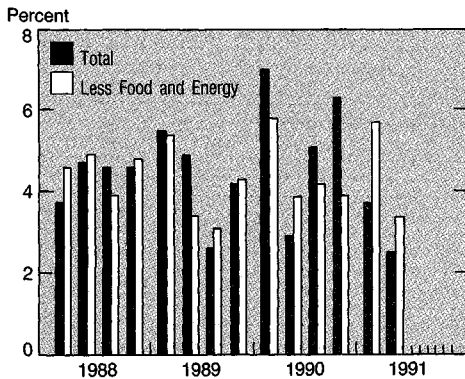
[Percent change at annual rates; based on seasonally adjusted index numbers (1982=100)]

	1990		1991	
	III	IV	I	II
GNP	4.2	4.7	5.2	3.0
Less: Exports	2.6	5.0	3.4	1.1
Plus: Imports	12.6	24.9	-11.8	-5.9
Equals: Gross domestic purchases ...	5.1	6.3	3.7	2.4
Less: Change in business inventories				
Equals: Final sales to domestic purchasers	5.1	6.3	3.6	2.3
Personal consumption expenditures	5.7	7.1	3.3	2.6
Food	4.2	4.9	6.2	5.1
Energy	21.3	51.2	-23.6	-14.7
Other personal consumption expenditures	4.8	4.2	5.6	3.7
Nonresidential structures	2.9	2.2	2.5	1.3
Producers' durable equipment	2.2	4.9	5.4	.9
Residential investment	2.4	-6	-3	2.3
Government purchases	4.6	6.1	4.8	2.0
Addenda:				
Merchandise imports	14.3	34.4	-18.2	-10.5
Petroleum and products	135.7	346.2	-75.0	-46.3
Other merchandise	2.4	5.4	4.1	-3.0

NOTE.—Percent changes in major aggregates are found in table 8.1 of the "Selected NIPA Tables." Most index number levels are found in tables 7.1 and 7.3.

CHART 2

Gross Domestic Purchases Prices (Fixed Weights): Change From Preceding Quarter



Note.—Percent change at an annual rate from preceding quarter; based on seasonally adjusted index numbers (1982 = 100).

U.S. Department of Commerce, Bureau of Economic Analysis 91-7-2

Personal income

Real disposable personal income increased 1.2 percent in the second quarter after decreasing in three consecutive quarters (chart 3). The increase reflected both a pickup in current-dollar personal income and the slowdown in the implicit price deflator for PCE.

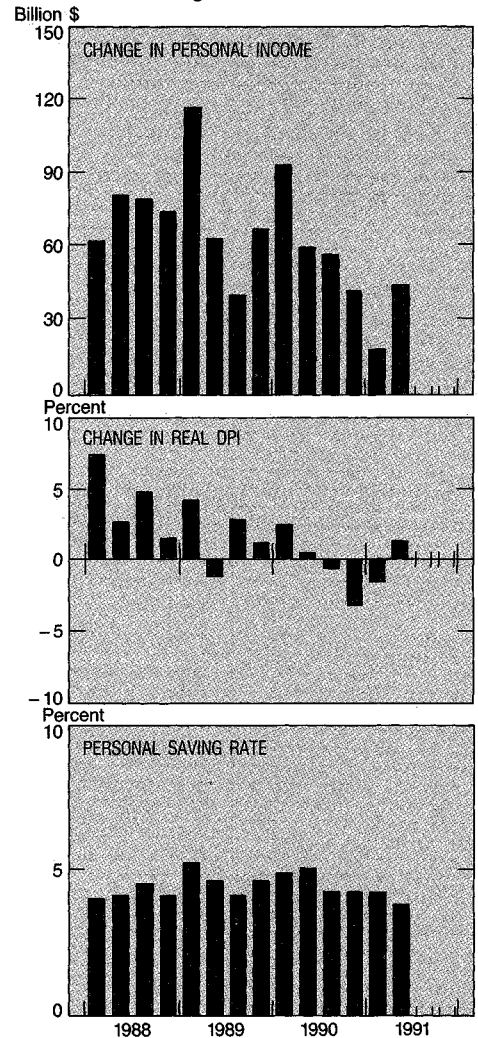
In current dollars, personal income increased \$43.4 billion in the second quarter after increasing \$17.3 billion in the first. The acceleration reflected an upswing in wages and salaries in private industries and an upswing in proprietors' income, which were partly offset by a slowdown in the growth of transfer payments (table 3).

Wage and salary disbursements increased \$27.7 billion in the second quarter after increasing \$3.9 billion in the first. The step-up was in private-industry wages and salaries, and it was due to further gains in average hourly earnings and to an upswing in average weekly hours. (Employment continued to fall; the number of payroll jobs decreased 0.4 million in the second quarter and fell 1.6 million from June 1990 to June 1991.) Government wages and salaries increased less than in the first quarter, when they were boosted by a pay raise for Federal Government civilian and military personnel.

Proprietors' income increased \$12.1 billion in the second quarter after decreasing \$1.8 billion in the first. Farm proprietors' income increased \$3.4 billion after a slight drop. The upswing largely reflected higher crop prices received by farmers. In addition, Federal farm subsidy payments decreased less than in the first quarter. Nonfarm

CHART 3

Selected Personal Income and Saving Measures



Based on Seasonally Adjusted Annual Rates
Note.—Changes are from preceding quarter.

U.S. Department of Commerce, Bureau of Economic Analysis 91-7-3

Personal contributions for social insurance, which are subtracted in deriving the personal income total, increased considerably less than in the first quarter, when several social insurance program changes added \$7.0 billion.

Personal tax and nontax payments increased \$6.4 billion in the second quarter after declining \$2.0 billion in the first. The second-quarter increase reflected growth in the taxable earnings base.

In the second quarter, personal outlays—mainly PCE—increased substantially more than disposable personal income; thus, personal saving decreased. The personal saving rate fell 0.5 percentage point to 3.7 percent after holding steady at 4.2 percent for three consecutive quarters.

BEA Vacancies

BEA is hiring additional staff—primarily economists and accountants. The positions are in national economic accounting, balance of payments accounting, and international investment surveys. Applications (Standard Form 171 and college transcripts) should be addressed to Administrative Office, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, ATTN: SCB.

Table 3.—Personal Income and Its Disposition

[Billions of dollars; seasonally adjusted at annual rates]

	Level 1991:II	Change from preceding quarter			
		1990		1991	
		III	IV	I	II
Wage and salary disbursements	2,770.5	37.9	4.7	3.9	27.7
Commodity-producing industries	715.8	4.2	-9.3	-13.0	2.8
Manufacturing	541.3	3.7	-5.7	-9.4	4.6
Other	174.5	.5	-3.6	-3.6	-1.8
Distributive industries	644.6	5.4	-8	-2.2	4.9
Service industries	875.2	22.7	8.1	7.3	14.9
Government and government enterprises	534.9	5.6	6.8	11.7	5.1
Other labor income	269.2	3.6	3.2	3.0	3.0
Proprietors' income	416.5	-3.8	8.3	-1.8	12.1
Farm	51.9	-8.6	6.4	-3	3.4
Nonfarm	364.6	4.8	1.8	-1.6	8.8
Rental income of persons	5.6	4.1	.9	-3.7	0
Personal dividend income	125.5	2.0	1.8	0	-1.2
Personal interest income	672.7	7.3	2.6	-5.9	-9.3
Transfer payments	758.5	9.7	18.7	30.3	13.1
Less: Personal contributions for social insurance	239.2	4.5	.3	8.4	1.9
Personal income	4,779.2	56.3	40.0	17.3	43.4
Less: Personal tax and nontax payments	721.0	13.0	7.1	-2.0	6.4
Equals: Disposable personal income	4,058.2	43.4	32.8	19.4	36.9
Less: Personal outlays	3,907.5	72.0	31.8	18.1	55.0
Equals: Personal saving	150.7	-28.6	1.0	1.2	-18.0
Addenda: Special factors in personal income:					
In wages and salaries:					
Federal Government and Postal Service pay adjustments .....		.3	.2	5.0	.5
In farm proprietors' income:					
Agricultural subsidy payments		-6.3	10.8	-2.4	-5
In transfer payments:					
Social security retroactive payments		-4	1.6	-1.5	.3
Cost-of-living increases in Federal transfer payments			1.1	17.8	
In personal contributions for social insurance:					
Social security rate and base changes and increase in premium for supplementary medical insurance				7.0	

NOTE.—Most dollar levels are found in table 2.1 of the "Selected NIPA Tables."

Comprehensive Revision of the NIPA's

Revised and updated estimates of the national income and product accounts (NIPA's) resulting from a comprehensive, or benchmark, revision are scheduled for release at the end of November 1991 and will appear in the November SURVEY OF CURRENT BUSINESS. These estimates will incorporate statistical revisions resulting from (1) newly available source data, such as the 1982 benchmark input-output tables, the 1987 Economic Censuses, and several annual surveys for 1989 and 1990, (2) changes in methodology, and (3) a shift, from 1982 to 1987, in the base period used to express constant-dollar GNP in prices of a single period. The estimates will also reflect changes in definitions and classifications. In addition, table formats will be revised and new series presented. The most important of the new series will be alternative measures of constant-dollar GNP; these measures, described in the April 1989 SURVEY, involve approaches to weighting that use prices for more than one year. The changes to be introduced in the comprehensive revision will be described in upcoming articles in the SURVEY.

In general, the statistical revisions will affect the estimates back to 1978, the changes in definitions and classifications will affect the estimates as far back as necessary, and the shift in base period will affect the estimates back to 1929. The estimates released in November will be limited to 1959 forward and will exclude the GNP by industry series; estimates for earlier periods and for the industry series will be released during 1992.

NATIONAL INCOME AND PRODUCT ACCOUNTS

Selected NIPA Tables

New estimates in this issue: Second quarter 1991, advance.

The selected set of 54 national income and product accounts (NIPA) tables shown in this section presents quarterly estimates, which are updated monthly. (In most of these tables, annual estimates are also shown.) The full set of 132 tables usually shown in July presents annual NIPA revisions. For more information on the presentation of the estimates, see "National Income and Product Accounts Estimates: When They are Released, Where They are Available, and How They are Presented" in the July 1988 SURVEY.

The tables shown are available the day of the GNP news release on printouts and diskettes on a subscription basis or from the Commerce Department's Economic Bulletin Board. Estimates for 1986-89 are in the July 1990 issue of the SURVEY; estimates for 1985 are in the July 1988 issue; estimates for 1984 are in the July 1987 issue; estimates for 1983 are in the July 1986 issue. Estimates for 1929-82 are in *National Income and Product Accounts, 1929-82: Statistical Tables*. For more information, write to National Income and Wealth Division (BE-54), Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230.

NOTE.—This section of the SURVEY is prepared by the National Income and Wealth Division and the Government Division.

Table 1.1.—Gross National Product

[Billions of dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Gross national product	5,200.8	5,465.1	5,375.4	5,443.3	5,514.6	5,527.3	5,557.7	5,620.5
Personal consumption expenditures ¹	3,450.1	3,657.3	3,588.1	3,622.7	3,693.4	3,724.9	3,742.8	3,798.6
Durable goods	474.6	480.3	492.1	478.4	482.3	468.5	455.3	462.2
Nondurable goods	1,130.0	1,193.7	1,174.7	1,179.0	1,205.0	1,216.0	1,212.7	1,218.0
Services ¹	1,845.5	1,983.3	1,921.3	1,965.3	2,006.2	2,040.4	2,074.8	2,118.5
Gross private domestic investment	771.2	741.0	747.2	759.0	759.7	698.3	660.0	663.1
Fixed investment	742.9	746.1	758.9	745.6	750.7	729.2	694.1	691.3
Nonresidential	511.9	524.1	523.1	516.5	532.8	524.0	503.6	498.1
Structures	146.2	147.0	148.8	147.2	149.8	142.1	139.5	139.2
Producers' durable equipment	365.7	377.1	374.3	369.3	383.0	381.9	364.1	359.0
Residential	231.0	222.0	235.9	229.1	217.9	205.2	190.5	193.2
Change in business inventories	28.3	-5.0	-11.8	13.4	9.0	-30.8	-34.2	-28.3
Nonfarm	23.3	-7.4	-17.0	13.0	6.8	-32.4	-27.1	-24.8
Farm	5.0	2.4	5.3	.5	2.2	1.5	2.9	-3.4
Net exports of goods and services ¹	-46.1	-31.2	-30.0	-24.9	-41.3	-28.8	13.5	9.4
Exports ¹	626.2	672.8	661.3	659.7	672.7	697.4	694.5	699.9
Imports ¹	672.3	704.0	691.3	684.6	714.1	726.2	681.0	690.5
Government purchases of goods and services	1,025.6	1,098.1	1,070.1	1,086.4	1,102.8	1,132.9	1,141.5	1,149.4
Federal	400.0	424.0	410.6	421.9	425.8	437.6	443.8	446.8
National defense	301.1	313.6	307.2	309.6	312.6	325.0	331.2	325.3
Nondefense	98.9	110.4	103.4	112.3	113.2	112.6	112.6	121.4
State and local	625.6	674.1	659.6	664.6	677.0	695.3	697.7	702.7

1. See the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 1.3.—Gross National Product by Major Type of Product

[Billions of dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Gross national product	5,200.8	5,465.1	5,375.4	5,443.3	5,514.6	5,527.3	5,557.7	5,620.5
Final sales	5,172.5	5,470.2	5,387.2	5,429.9	5,505.6	5,558.2	5,591.9	5,648.8
Change in business inventories	28.3	-5.0	-11.8	13.4	9.0	-30.8	-34.2	-28.3
Goods	2,072.7	2,143.3	2,111.0	2,146.6	2,170.4	2,145.0	2,136.0	2,150.7
Final sales	2,044.4	2,148.3	2,122.8	2,133.1	2,161.4	2,175.9	2,170.2	2,179.0
Change in business inventories	28.3	-5.0	-11.8	13.4	9.0	-30.8	-34.2	-28.3
Durable goods	906.6	928.0	919.9	930.1	953.2	908.7	876.3	899.1
Final sales	894.7	939.1	941.4	930.1	943.4	941.2	918.5	929.5
Change in business inventories	11.9	-11.1	-21.6	0	9.8	-32.5	-42.2	-30.4
Nondurable goods	1,166.0	1,215.3	1,191.2	1,216.4	1,217.2	1,236.3	1,259.7	1,251.6
Final sales	1,149.6	1,209.3	1,181.4	1,203.0	1,218.0	1,234.7	1,251.7	1,249.4
Change in business inventories	16.4	6.0	9.8	13.4	-8	1.7	8.0	2.2
Services	2,671.2	2,864.5	2,791.3	2,834.2	2,889.6	2,943.0	3,004.0	3,048.9
Structures	456.9	457.4	473.0	462.5	454.6	439.3	417.7	420.9

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 1.2.—Gross National Product in Constant Dollars

[Billions of 1982 dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Gross national product	4,117.7	4,157.3	4,150.6	4,155.1	4,170.0	4,153.4	4,124.1	4,128.4
Personal consumption expenditures ¹	2,656.8	2,681.6	2,677.3	2,678.8	2,696.8	2,673.6	2,663.7	2,687.2
Durable goods	428.0	427.4	437.6	426.8	429.5	415.6	402.9	408.0
Nondurable goods	919.9	911.1	915.6	911.2	916.4	901.2	897.1	899.3
Services ¹	1,309.0	1,343.1	1,324.2	1,340.8	1,350.8	1,356.7	1,363.7	1,379.8
Gross private domestic investment	716.9	688.7	700.7	700.7	697.0	656.3	623.7	625.9
Fixed investment	693.1	692.3	702.9	691.2	692.3	682.7	648.6	647.1
Nonresidential	506.1	515.4	514.6	508.4	519.3	519.4	496.8	493.9
Structures	122.4	120.9	123.8	120.9	122.4	116.4	113.7	112.4
Producers' durable equipment	383.7	394.6	390.8	387.5	397.0	403.1	383.1	381.6
Residential	187.0	176.8	188.3	182.8	173.0	163.3	151.8	153.2
Change in business inventories	23.8	-3.6	-2.2	9.5	4.7	-26.4	-25.0	-21.2
Nonfarm	18.7	-5.1	-8.2	11.6	4.7	-28.5	-28.1	-16.3
Farm	5.0	1.5	6.0	-2.1	0	2.1	3.1	-5.0
Net exports of goods and services ¹	-54.1	-33.8	-35.4	-44.6	-46.5	-8.8	7.1	-18.6
Exports ¹	593.3	631.5	628.1	620.1	630.5	647.2	648.0	653.9
Imports ¹	647.4	665.3	663.5	664.7	677.0	656.0	641.0	672.6
Government purchases of goods and services	798.1	820.8	807.9	820.2	822.7	832.3	829.6	833.9
Federal	334.9	343.7	333.0	345.9	346.0	349.9	349.5	353.8
National defense	256.3	258.7	254.4	256.5	258.2	265.7	267.5	261.1
Nondefense	78.7	85.0	78.6	89.4	87.8	84.2	82.0	92.7
State and local	463.2	477.1	475.0	474.3	476.7	482.4	480.1	480.1

1. See the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 1.4.—Gross National Product by Major Type of Product in Constant Dollars

[Billions of 1982 dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Gross national product	4,117.7	4,157.3	4,150.6	4,155.1	4,170.0	4,153.4	4,124.1	4,128.4
Final sales	4,094.0	4,160.9	4,152.8	4,145.6	4,165.3	4,179.8	4,149.0	4,149.6
Change in business inventories	23.8	-3.6	-2.2	9.5	4.7	-26.4	-25.0	-21.2
Goods	1,829.5	1,829.3	1,825.4	1,831.3	1,839.7	1,821.0	1,797.5	1,790.2
Final sales	1,805.7	1,832.9	1,827.6	1,821.8	1,835.0	1,847.4	1,822.5	1,811.4
Change in business inventories	23.8	-3.6	-2.2	9.5	4.7	-26.4	-25.0	-21.2
Durable goods	907.5	920.6	914.3	919.1	941.1	908.0	876.9	888.1
Final sales	897.7	930.1	932.1	919.5	932.9	936.0	911.5	913.6
Change in business inventories	9.8	-9.5	-17.7	-3	8.3	-28.1	-34.6	-25.5
Nondurable goods	922.0	908.7	911.0	912.2	898.5	913.0	920.6	902.1
Final sales	908.0	902.8	895.5	902.4	902.1	911.4	910.9	897.8
Change in business inventories	13.9	5.9	15.5	9.8	-3.6	1.6	9.7	4.3
Services	1,915.6	1,961.0	1,943.7	1,952.5	1,967.3	1,980.7	1,993.0	2,004.4
Structures	372.7	366.9	381.5	371.2	363.1	351.7	333.6	333.8

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 1.5.—Relation of Gross National Product, Gross Domestic Purchases, and Final Sales to Domestic Purchasers
[Billions of dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Gross national product	5,200.8	5,465.1	5,375.4	5,443.3	5,514.6	5,527.3	5,557.7	5,620.5
Less: Exports of goods and services ¹	626.2	672.8	661.3	659.7	672.7	697.4	694.5	699.9
Plus: Imports of goods and services ¹	672.3	704.0	691.3	684.6	714.1	726.2	681.0	690.5
Equals: Gross domestic purchases²	5,246.9	5,496.4	5,405.3	5,468.2	5,555.9	5,556.1	5,544.2	5,611.1
Less: Change in business inventories	28.3	-5.0	-11.8	13.4	9.0	-30.8	-34.2	-28.3
Equals: Final sales to domestic purchasers³	5,218.6	5,501.4	5,417.1	5,454.7	5,546.9	5,586.9	5,578.4	5,639.4

1. See the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.
2. Purchases in the United States of goods and services wherever produced.
3. Final sales in the United States of goods and services wherever produced.

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 1.7.—Gross National Product by Sector
[Billions of dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Gross national product	5,200.8	5,465.1	5,375.4	5,443.3	5,514.6	5,527.3	5,557.7	5,620.5
Gross domestic product	5,163.2	5,423.4	5,333.8	5,411.7	5,471.7	5,476.5	5,502.9	5,575.9
Business	4,418.1	4,619.2	4,551.8	4,613.5	4,659.6	4,652.1	4,659.3	4,720.2
Nonfarm	4,346.6	4,527.8	4,455.8	4,522.1	4,571.4	4,562.1	4,559.0	4,615.7
Nonfarm less housing	3,915.3	4,068.8	4,007.6	4,067.5	4,106.9	4,093.1	4,086.4	4,138.6
Housing	431.2	459.1	448.1	454.7	464.4	469.0	472.6	477.1
Farm	88.6	93.1	95.3	94.6	93.1	89.6	92.0	96.3
Statistical discrepancy	-17.0	-1.7	.7	-3.2	-4.9	.4	8.2	8.2
Households and institutions	203.6	224.8	215.0	221.4	229.3	233.4	237.4	243.6
Private households	10.3	10.8	10.5	10.8	10.9	11.0	11.1	11.4
Nonprofit institutions	193.3	214.0	204.5	210.6	218.4	222.4	226.3	232.2
Government	541.6	579.4	567.0	576.7	582.8	591.0	606.3	612.0
Federal	168.6	178.5	176.6	179.2	178.3	179.8	188.5	188.2
State and local	373.0	400.9	390.4	397.5	404.5	411.2	417.8	423.8
Rest of the world	37.6	41.7	41.6	31.6	42.9	50.8	54.8	44.7
Addendum:								
Gross domestic business product less housing	3,978.4	4,072.4						

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 1.6.—Relation of Gross National Product, Gross Domestic Purchases, and Final Sales to Domestic Purchasers in Constant Dollars
[Billions of 1982 dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Gross national product	4,117.7	4,157.3	4,150.6	4,155.1	4,170.0	4,153.4	4,124.1	4,128.4
Less: Exports of goods and services ¹	593.3	631.5	628.1	620.1	630.5	647.2	648.0	653.9
Plus: Imports of goods and services ¹	647.4	665.3	663.5	664.7	677.0	656.0	641.0	672.6
Equals: Gross domestic purchases²	4,171.8	4,191.1	4,185.9	4,199.7	4,216.5	4,162.2	4,117.0	4,147.0
Less: Change in business inventories	23.8	-3.6	-2.2	9.5	4.7	-26.4	-25.0	-21.2
Equals: Final sales to domestic purchasers³	4,148.1	4,194.7	4,188.1	4,190.1	4,211.8	4,188.6	4,142.0	4,168.2

1. See the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.
2. Purchases in the United States of goods and services wherever produced.
3. Final sales in the United States of goods and services wherever produced.

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 1.8.—Gross National Product by Sector in Constant Dollars
[Billions of 1982 dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Gross national product	4,117.7	4,157.3	4,150.6	4,155.1	4,170.0	4,153.4	4,124.1	4,128.4
Gross domestic product	4,087.6	4,125.4	4,118.2	4,130.6	4,137.5	4,115.2	4,083.6	4,095.6
Business	3,557.9	3,581.1	3,580.0	3,587.2	3,590.8	3,566.7	3,532.9	3,543.0
Nonfarm	3,492.9	3,502.5	3,500.3	3,510.3	3,514.3	3,485.1	3,445.4	3,456.6
Nonfarm less housing	3,196.0	3,200.4	3,199.1	3,208.4	3,211.9	3,182.1	3,141.7	3,152.3
Housing	296.9	302.1	301.2	301.8	302.4	303.1	303.7	304.3
Farm	78.8	80.0	79.1	79.4	80.2	81.2	81.3	80.3
Statistical discrepancy	-13.8	-1.3	.6	-2.5	-3.7	.3	6.2	6.2
Households and institutions	146.2	154.5	150.8	153.6	156.7	157.0	157.6	159.9
Private households	9.5	9.7	9.7	9.8	9.8	9.7	9.7	9.9
Nonprofit institutions	136.6	144.8	141.2	143.7	146.9	147.3	147.9	150.1
Government	383.5	389.7	387.4	389.9	390.0	391.5	393.0	392.6
Federal	126.5	127.6	127.0	128.2	127.4	127.8	128.7	127.7
State and local	257.0	262.1	260.4	261.7	262.7	263.6	264.4	264.9
Rest of the world	30.2	31.9	32.4	24.5	32.6	38.2	40.5	32.8
Addendum:								
Gross domestic business product less housing	3,252.6	3,218.0						

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 1.9.—Relation of Gross National Product, Net National Product, National Income, and Personal Income

(Billions of dollars)

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Gross national product	5,200.8	5,465.1	5,375.4	5,443.3	5,514.6	5,527.3	5,557.7	5,620.5
Less: Capital consumption allowances with capital consumption adjustment	554.4	575.6	567.0	571.1	579.3	585.1	591.5	596.7
Capital consumption allowances without capital consumption adjustment	541.9	540.5	538.6	539.3	540.7	543.3	548.0	555.9
Less: Capital consumption adjustment	-12.6	-35.1	-28.4	-31.8	-38.6	-41.8	-43.6	-40.7
Equals: Net national product	4,646.4	4,889.5	4,808.4	4,872.2	4,935.3	4,942.2	4,966.2	5,023.8
Less: Indirect business tax and nontax liability	414.0	440.3	431.7	433.0	444.9	451.4	461.4	464.6
Business transfer payments	32.4	35.0	34.1	34.7	35.4	36.0	36.7	37.3
Statistical discrepancy	-17.0	-1.7	.7	-3.2	-4.9	.4	8.2	.....
Plus: Subsidies less current surplus of government enterprises	6.3	2.5	8.4	3.6	-7.5	5.3	-3.5	-5.9
Equals: National income	4,223.3	4,418.4	4,350.3	4,411.3	4,452.4	4,459.7	4,456.4	.....
Less: Corporate profits with inventory valuation and capital consumption adjustments	311.6	298.3	296.8	306.6	300.7	288.9	286.2	.....
Net interest	445.1	466.7	463.6	466.2	468.3	468.4	460.9	450.3
Contributions for social insurance	476.8	506.9	498.9	503.9	511.3	513.7	527.6	531.7
Wage accruals less disbursements	0	0	0	0	0	0	0	-4
Plus: Government transfer payments to persons	604.5	639.7	646.8	652.0	661.0	679.0	708.7	721.1
Personal interest income	643.2	680.4	670.5	678.0	685.3	687.9	682.0	672.7
Personal dividend income	114.4	123.8	120.5	122.9	124.9	126.7	126.7	125.5
Business transfer payments	32.4	35.0	34.1	34.7	35.4	36.0	36.7	37.3
Equals: Personal income	4,384.3	4,645.5	4,562.8	4,622.2	4,678.5	4,718.5	4,735.8	4,779.2

Table 1.10.—Relation of Gross National Product, Net National Product, and National Income in Constant Dollars

(Billions of 1982 dollars)

Gross national product	4,117.7	4,157.3	4,150.6	4,155.1	4,170.0	4,153.4	4,124.1	4,128.4
Less: Capital consumption allowances with capital consumption adjustment	506.0	519.7	512.5	516.5	522.5	527.1	531.7	536.6
Equals: Net national product	3,611.7	3,637.6	3,638.0	3,638.6	3,647.5	3,626.2	3,592.4	3,591.8
Less: Indirect business tax and nontax liability plus business transfer payments less subsidies plus current surplus of government enterprises	333.4	333.4	334.3	332.5	335.5	331.2	327.0	330.3
Statistical discrepancy	-13.8	-1.3	.6	-2.5	-3.7	.3	6.2	.....
Equals: National income	3,292.1	3,305.6	3,303.2	3,308.6	3,315.7	3,294.7	3,259.1	.....

Table 1.11.—Command-Basis Gross National Product in Constant Dollars

(Billions of 1982 dollars)

Gross national product	4,117.7	4,157.3	4,150.6	4,155.1	4,170.0	4,153.4	4,124.1	4,128.4
Less: Net exports of goods and services	-54.1	-33.8	-35.4	-44.6	-46.5	-8.8	7.1	-18.6
Exports	593.3	631.5	628.1	620.1	630.5	647.2	648.0	653.9
Imports	647.4	665.3	663.5	664.7	677.0	656.0	641.0	672.6
Equals: Gross domestic purchases	4,171.8	4,191.1	4,185.9	4,199.7	4,216.5	4,162.2	4,117.0	4,147.0
Plus: Command-basis net exports of goods and services	-44.4	-29.5	-28.8	-24.2	-39.2	-26.0	12.7	9.2
Command-basis exports ¹	603.1	635.8	634.7	640.5	637.8	630.0	653.7	681.7
Imports	647.4	665.3	663.5	664.7	677.0	656.0	641.0	672.6
Equals: Command-basis gross national product	4,127.4	4,161.6	4,157.2	4,175.5	4,177.3	4,136.2	4,129.7	4,156.2
Addendum:								
Terms of trade ²	101.6	100.7	101.1	103.3	101.1	97.4	100.8	104.2

1. Exports of goods and services deflated by the implicit price deflator for imports of goods and services.
 2. Ratio of the implicit price deflator for exports of goods and services to the implicit price deflator for imports of goods and services with the decimal point shifted two places to the right.

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 1.14.—National Income by Type of Income

(Billions of dollars)

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
National income	4,223.3	4,418.4	4,350.3	4,411.3	4,452.4	4,459.7	4,456.4	.....
Compensation of employees	3,079.0	3,244.2	3,180.4	3,232.5	3,276.9	3,286.9	3,299.3	3,331.8
Wages and salaries	2,573.2	2,705.3	2,651.6	2,696.3	2,734.2	2,738.9	2,742.8	2,770.1
Government and government enterprises	476.6	508.0	497.1	505.7	511.3	518.1	529.8	534.5
Other	2,096.6	2,197.2	2,154.5	2,190.6	2,222.9	2,220.8	2,213.0	2,235.6
Supplements to wages and salaries	505.8	538.9	528.8	536.1	542.7	548.0	556.5	561.7
Employer contributions for social insurance	263.9	280.8	276.0	279.7	282.7	284.8	290.3	292.5
Other labor income	241.9	258.1	252.8	256.4	260.0	263.2	266.2	269.2
Proprietors' income with inventory valuation and capital consumption adjustments	379.3	402.5	404.0	401.7	397.9	406.2	404.4	416.5
Farm	48.6	49.9	57.4	51.0	42.4	48.8	48.5	51.9
Proprietors' income with inventory valuation adjustment	56.3	57.5	65.1	58.5	49.9	56.3	56.0	59.2
Capital consumption adjustment	-7.7	-7.6	-7.7	-7.6	-7.6	-7.5	-7.4	-7.3
Nonfarm	330.7	352.6	346.6	350.8	355.6	357.4	355.8	364.6
Proprietors' income	298.9	324.3	317.1	320.7	329.3	330.1	324.8	335.1
Inventory valuation adjustment	-1.0	-1.7	-.9	-.2	-3.5	-2.2	1.6	0
Capital consumption adjustment	32.8	30.0	30.3	30.2	29.8	29.5	29.4	29.5
Rental income of persons with capital consumption adjustment	8.2	6.9	5.5	4.3	8.4	9.3	5.6	5.6
Rental income of persons	64.1	61.6	60.2	58.8	63.5	64.0	59.9	60.8
Capital consumption adjustment	-55.8	-54.7	-54.6	-54.5	-55.1	-54.7	-54.3	-55.2
Corporate profits with inventory valuation and capital consumption adjustments	311.6	298.3	296.8	306.6	300.7	288.9	286.2	.....
Corporate profits with inventory valuation adjustment	286.1	293.3	285.5	298.8	298.7	290.3	289.7	.....
Profits before tax	307.7	304.7	296.9	299.3	318.5	304.1	281.5	.....
Profits tax liability	135.1	132.1	129.9	133.1	139.1	126.5	115.1	.....
Profits after tax	172.6	172.5	167.1	166.1	179.4	177.6	166.4	.....
Dividends	123.5	133.9	130.3	133.0	135.1	137.2	137.5	136.4
Undistributed profits	49.1	38.7	36.8	33.2	44.3	40.4	29.0	.....
Inventory valuation adjustment	-21.7	-11.4	-11.4	-.5	-19.8	-13.8	8.1	4.0
Capital consumption adjustment	25.5	4.9	11.3	7.7	2.0	-1.4	-3.5	0
Net interest	445.1	466.7	463.6	466.2	468.3	468.4	460.9	450.3
Addenda:								
Corporate profits after tax with inventory valuation and capital consumption adjustments	176.5	166.1	167.0	173.4	161.6	162.4	171.1	.....
Net cash flow, with inventory valuation and capital consumption adjustments	399.4	395.3	393.4	400.2	392.0	395.5	409.2	.....
Undistributed profits with inventory valuation and capital consumption adjustments	53.0	32.2	36.7	40.5	26.5	25.2	33.6	.....
Capital consumption allowances with capital consumption adjustment	346.4	363.0	356.7	359.7	365.5	370.3	375.6	378.2
Less: Inventory valuation adjustment	-21.7	-11.4	-11.4	-.5	-19.8	-13.8	8.1	4.0
Equals: Net cash flow	421.1	406.6	404.9	400.6	411.8	409.2	401.1	.....

Table 1.16.—Gross Domestic Product of Corporate Business in Current Dollars and Gross Domestic Product of Nonfinancial Corporate Business in Current and Constant Dollars

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Billions of dollars								
Gross domestic product of corporate business	3,086.4	3,198.6	3,136.3	3,206.0	3,234.4	3,217.6	3,218.0	.....
Capital consumption allowances with capital consumption adjustment	346.4	363.0	356.7	359.7	365.5	370.3	375.6	378.2
Net domestic product	2,739.9	2,835.5	2,779.5	2,846.3	2,869.0	2,847.4	2,842.4	.....
Indirect business tax and nontax liability plus business transfer payments less subsidies	295.1	313.5	307.3	307.6	317.7	321.4	329.5	331.2
Domestic income	2,444.9	2,522.1	2,472.3	2,538.7	2,551.3	2,526.0	2,512.9	.....
Compensation of employees	2,058.1	2,140.5	2,090.1	2,140.3	2,167.7	2,163.9	2,157.0	2,176.4
Wages and salaries	1,731.5	1,800.3	1,758.1	1,800.4	1,823.9	1,818.9	1,809.3	1,825.7
Supplements to wages and salaries	326.7	340.2	332.0	339.8	343.8	345.1	347.7	350.7
Corporate profits with inventory valuation and capital consumption adjustments	260.7	241.4	243.9	257.6	243.1	220.8	218.0	.....
Profits before tax	256.9	247.8	244.0	250.3	260.9	236.0	213.3	.....
Profits tax liability	135.1	132.1	129.9	133.1	139.1	126.5	115.1	.....
Profits after tax	121.8	115.7	114.1	117.2	121.8	109.5	98.2	.....
Dividends	104.3	114.8	115.6	109.4	112.7	121.7	113.2	.....
Undistributed profits	17.5	8.8	-1.4	7.8	9.1	-12.2	-15.0	112.9
Inventory valuation adjustment	-21.7	-11.4	-11.4	-5	-19.8	-13.8	8.1	4.0
Capital consumption adjustment	25.5	4.9	11.3	7.7	2.0	-1.4	-3.5	0
Net interest	126.0	140.2	138.3	140.8	140.5	141.2	137.9	135.0
Billions of 1982 dollars								
Gross domestic product of financial corporate business	231.9	245.9	228.8	246.0	255.3	253.6	261.1	.....
Gross domestic product of nonfinancial corporate business	2,854.5	2,952.7	2,907.5	2,960.0	2,979.1	2,964.1	2,956.9	.....
Capital consumption allowances with capital consumption adjustment	317.8	331.6	326.1	329.1	333.4	338.0	342.7	345.0
Net domestic product	2,536.7	2,621.0	2,581.3	2,630.9	2,645.7	2,626.1	2,614.1	.....
Indirect business tax and nontax liability plus business transfer payments less subsidies	272.9	289.7	283.9	284.2	293.6	297.0	304.5	306.0
Domestic income	2,263.8	2,331.3	2,297.4	2,346.8	2,352.1	2,329.2	2,309.6	.....
Compensation of employees	1,902.3	1,983.4	1,946.2	1,982.1	2,004.7	2,000.7	1,991.0	2,008.5
Wages and salaries	1,599.4	1,667.2	1,636.3	1,666.2	1,685.6	1,680.6	1,668.9	1,683.7
Supplements to wages and salaries	302.9	316.3	310.0	315.9	319.1	320.2	322.0	324.8
Corporate profits with inventory valuation and capital consumption adjustments	241.0	219.5	224.5	235.8	218.8	199.1	192.4	.....
Profits before tax	241.5	229.1	227.9	232.2	239.1	217.2	190.8	.....
Profits tax liability	101.4	96.3	95.3	97.5	100.3	91.9	78.4	.....
Profits after tax	140.1	132.8	132.6	134.7	138.8	125.3	112.4	.....
Dividends	104.8	117.7	118.5	112.3	115.5	124.3	115.6	115.1
Undistributed profits	35.2	15.2	14.1	22.4	23.3	1.0	-3.2	.....
Inventory valuation adjustment	-21.7	-11.4	-11.4	-5	-19.8	-13.8	8.1	4.0
Capital consumption adjustment	21.2	1.8	8.1	4.1	-6	-4.3	-6.5	-3.7
Net interest	120.5	128.4	126.6	128.9	128.6	129.3	126.3	123.6

Table 1.17.—Auto Output

[Billions of dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Auto output	131.3	126.5	120.3	128.9	141.3	115.6	104.1	107.1
Final sales	128.9	131.1	135.0	133.8	133.3	122.3	111.2	118.6
Personal consumption expenditures	141.4	139.8	145.3	140.2	139.8	133.9	123.1	125.2
New autos	99.7	96.1	102.6	97.6	95.2	89.0	77.3	83.5
Net purchases of used autos	41.6	43.7	42.7	42.6	44.6	44.9	45.8	41.6
Producers' durable equipment	20.3	24.8	22.3	24.2	28.9	23.9	22.9	22.4
Net purchases of used autos	50.1	54.0	50.0	52.2	59.6	54.4	53.1	52.8
Net exports of goods and services	-29.8	-29.2	-27.8	-28.0	-30.7	-30.5	-30.1	-30.4
Exports	-34.4	-35.5	-34.6	-32.4	-37.0	-37.9	-37.0	-30.7
Imports	10.0	10.4	10.9	11.4	10.2	9.1	9.3	10.1
Government purchases of goods and services	44.5	45.9	45.5	43.8	47.2	47.1	46.3	40.8
Change in business inventories of new and used autos	2.4	-4.5	-14.6	-4.9	8.0	-6.7	-7.2	-11.5
New	1.6	-4.4	-14.6	-3.8	7.6	-6.7	-6.4	-13.0
Used .....	.8	-2	0	-1.1	.5	0	-7	1.6
Addenda:								
Domestic output of new autos ¹	105.2	99.7	92.5	103.4	113.4	89.3	83.7	88.1
Sales of imported new autos ²	57.6	58.1	58.1	59.1	58.8	56.5	48.5	54.2

1. Consists of final sales and change in business inventories of new autos assembled in the United States.
2. Consists of personal consumption expenditures, producers' durable equipment, and government purchases.

Table 1.18.—Auto Output in Constant Dollars

[Billions of 1982 dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Auto output	110.4	104.7	99.0	107.3	117.2	95.3	83.9	86.0
Final sales	109.0	109.0	111.7	110.8	111.2	102.5	91.2	94.6
Personal consumption expenditures	115.1	113.0	117.0	113.8	113.3	108.0	98.0	98.7
New autos	81.5	77.4	82.3	78.8	77.2	71.4	60.4	64.9
Net purchases of used autos	33.6	35.6	34.7	35.0	36.1	36.5	37.6	33.9
Producers' durable equipment	17.2	19.6	17.6	19.1	23.3	18.6	16.4	15.9
Net purchases of used autos	41.0	43.6	40.1	42.2	48.3	43.6	41.5	41.0
Net exports of goods and services	-23.8	-23.9	-22.6	-23.1	-25.0	-25.1	-25.0	-25.1
Exports	-24.7	-25.2	-24.5	-23.5	-26.8	-26.1	-25.0	-21.4
Imports	7.9	8.1	8.4	8.8	7.8	7.4	6.9	7.5
Government purchases of goods and services	32.6	33.3	32.9	32.3	34.6	33.5	31.9	29.0
Change in business inventories of new and used autos	1.4	-4.3	-12.7	-3.5	6.0	-7.1	-7.4	-8.6
New .....	.7	-4.2	-12.7	-2.5	5.6	-7.2	-6.7	-9.8
Used .....	.6	-1	0	-9	.4	0	-6	1.3
Addenda:								
Domestic output of new autos ¹	85.1	79.5	72.9	82.7	91.2	71.2	64.3	67.6
Sales of imported new autos ²	47.1	46.8	46.6	47.7	47.7	45.3	37.9	42.1

1. Consists of final sales and change in business inventories of new autos assembled in the United States.
2. Consists of personal consumption expenditures, producers' durable equipment, and government purchases.

Table 1.19.—Truck Output
[Billions of dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Truck output¹	69.6	63.4	60.8	69.6	64.6	58.7	48.1	61.7
Final sales	68.6	64.7	67.4	65.4	65.2	60.9	56.9	60.6
Personal consumption expenditures	32.8	30.8	32.7	30.2	32.1	28.3	25.2	28.1
Producers' durable equipment	36.5	34.2	35.0	34.1	35.2	32.4	29.8	29.9
Net exports of goods and services	-6.6	-5.5	-5.4	-5.3	-7.1	-4.2	-3.7	-2.9
Exports	3.6	3.9	3.4	4.3	3.5	4.5	4.1	5.4
Imports	10.2	9.4	8.7	9.5	10.6	8.7	7.8	8.3
Government purchases of goods and services	5.8	5.3	5.2	6.4	5.1	4.4	5.6	5.5
Change in business inventories	1.0	-1.3	-6.6	4.2	-6	-2.3	-8.8	1.1

1. Includes new trucks only.

Table 2.1.—Personal Income and Its Disposition
[Billions of dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Personal income	4,384.3	4,645.5	4,562.8	4,622.2	4,678.5	4,718.5	4,735.8	4,779.2
Wage and salary disbursements	2,573.2	2,705.3	2,651.6	2,696.3	2,734.2	2,738.9	2,742.8	2,770.5
Commodity-producing industries	720.6	729.3	724.6	731.1	735.3	726.0	713.0	715.8
Manufacturing	541.8	546.8	541.2	548.1	551.8	546.1	536.7	541.3
Distributive industries	604.7	637.2	627.0	637.3	642.7	641.9	639.7	644.6
Service industries	771.4	830.8	802.9	822.2	844.9	853.0	860.3	875.2
Government and government enterprises	476.6	508.0	497.1	505.7	511.3	518.1	529.8	534.9
Other labor income	241.9	258.1	252.8	256.4	260.0	263.2	266.2	269.2
Proprietors' income with inventory valuation and capital consumption adjustments	379.3	402.5	404.0	401.7	397.9	406.2	404.4	416.5
Farm	48.6	49.9	57.4	51.0	42.4	48.8	48.5	51.9
Nonfarm	330.7	352.6	346.6	350.8	355.6	357.4	355.8	364.6
Rental income of persons with capital consumption adjustment ..	8.2	6.9	5.5	4.3	8.4	9.3	5.6	5.6
Personal dividend income	114.4	123.8	120.5	122.9	124.9	126.7	126.7	125.5
Personal interest income	643.2	680.4	670.5	678.0	685.3	687.9	682.0	672.7
Transfer payments	656.9	694.8	680.9	686.7	696.4	715.1	745.4	758.5
Old-age, survivors, disability, and health insurance benefits	325.3	350.7	347.2	347.6	351.1	356.8	372.1	377.0
Government unemployment insurance benefits	14.7	18.2	16.3	17.3	18.2	20.9	24.2	27.3
Veterans benefits	17.3	17.9	17.9	17.9	17.9	17.9	18.0	18.9
Government employees retirement benefits	90.1	96.9	96.1	96.0	96.9	98.6	105.0	103.2
Other transfer payments	189.5	211.1	203.4	207.8	212.3	220.9	226.1	232.0
Aid to families with dependent children	18.0	19.8	19.1	19.6	19.9	20.5	21.1	21.6
Other	171.6	191.3	184.2	188.2	192.4	200.4	205.0	210.4
Less: Personal contributions for social insurance	212.8	226.2	222.9	224.1	228.6	228.9	237.3	239.2
Less: Personal tax and nontax payments	658.8	699.4	675.1	696.5	709.5	716.6	714.6	721.0
Equals: Disposable personal income	3,725.5	3,946.1	3,887.7	3,925.7	3,969.1	4,001.9	4,021.3	4,058.2
Less: Personal outlays	3,553.7	3,766.0	3,696.4	3,730.6	3,802.6	3,834.4	3,852.5	3,907.5
Personal consumption expenditures	3,450.1	3,657.3	3,588.1	3,622.7	3,693.4	3,724.9	3,742.8	3,798.6
Interest paid by consumers to business	102.2	107.8	107.4	107.5	107.9	108.5	108.6	108.1
Personal transfer payments to foreigners (net)	1.4	.9	.9	.4	1.3	1.0	1.2	.8
Equals: Personal saving	171.8	180.1	191.3	195.1	166.5	167.5	168.7	150.7
Addenda:								
Disposable personal income: Total, billions of 1982 dollars	2,869.0	2,893.5	2,900.9	2,902.8	2,898.0	2,872.4	2,861.9	2,870.8
Per capita:								
Current dollars	14,973	15,695	15,527	15,639	15,765	15,849	15,887	16,006
1982 dollars	11,531	11,509	11,586	11,564	11,511	11,376	11,307	11,323
Population (mid-period, millions) ..	248.8	251.4	250.4	251.0	251.8	252.5	253.1	253.5
Personal saving as percentage of disposable personal income	4.6	4.6	4.9	5.0	4.2	4.2	4.2	3.7

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 1.20.—Truck Output in Constant Dollars
[Billions of 1982 dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Truck output¹	56.5	50.5	48.8	55.8	51.4	46.0	37.5	47.9
Final sales	55.7	51.5	54.0	52.4	51.9	47.7	44.1	47.1
Personal consumption expenditures	26.8	24.2	25.9	23.7	25.2	21.9	19.1	21.1
Producers' durable equipment	29.7	27.4	28.2	27.7	28.3	25.6	23.4	23.6
Net exports of goods and services	-5.4	-4.3	-4.3	-4.2	-5.6	-3.2	-2.7	-2.0
Exports	2.9	3.1	2.7	3.5	2.8	3.5	3.2	4.3
Imports	8.3	7.5	7.0	7.7	8.4	6.8	5.9	6.3
Government purchases of goods and services	4.7	4.2	4.2	5.2	4.1	3.5	4.4	4.4
Change in business inventories .....	.7	-1.0	-5.2	3.3	-5	-1.7	-6.6	.8

1. Includes new trucks only.

Table 2.2.—Personal Consumption Expenditures by Major Type of Product
[Billions of dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Personal consumption expenditures¹	3,450.1	3,657.3	3,588.1	3,622.7	3,693.4	3,724.9	3,742.8	3,798.6
Durable goods	474.6	480.3	492.1	478.4	482.3	468.5	455.3	462.2
Motor vehicles and parts	215.5	213.0	221.1	212.4	214.7	203.9	190.9	196.2
Furniture and household equipment ..	171.4	176.4	178.9	176.8	176.4	173.4	174.2	177.4
Other	87.8	90.9	92.0	89.3	91.2	91.3	90.2	88.6
Nondurable goods	1,130.0	1,193.7	1,174.7	1,179.0	1,205.0	1,216.0	1,212.7	1,218.0
Food	595.3	624.7	616.4	623.3	629.8	629.4	636.7	639.7
Clothing and shoes	204.6	213.2	212.9	212.6	215.8	211.5	213.3	218.8
Gasoline and oil	83.8	93.8	87.1	84.5	94.0	109.4	93.9	89.9
Other nondurable goods	246.3	261.9	258.2	258.6	265.4	265.6	268.7	269.6
Fuel oil and coal	17.7	18.5	17.7	17.4	19.6	19.3	17.7	16.8
Other	228.7	243.4	240.5	241.2	245.7	246.3	251.0	252.8
Services ¹	1,845.5	1,983.3	1,921.3	1,965.3	2,006.2	2,040.4	2,074.8	2,118.5
Housing	533.9	569.5	556.3	563.6	575.8	582.1	587.1	592.5
Household operation	206.3	211.3	205.2	211.9	212.7	215.5	216.1	222.7
Electricity and gas	97.7	96.4	92.5	97.5	96.4	99.1	98.1	101.7
Other	108.6	115.0	112.7	114.4	116.3	116.4	118.0	121.1
Transportation	126.4	136.6	132.3	135.2	137.4	141.5	145.0	147.3
Medical care	434.3	483.4	462.6	475.8	491.5	503.8	515.2	532.2
Other ¹	544.5	582.5	564.9	578.9	588.7	597.6	611.4	623.9

1. See the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.

Table 2.3.—Personal Consumption Expenditures by Major Type of Product in Constant Dollars
[Billions of 1982 dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Personal consumption expenditures¹	2,656.8	2,681.6	2,677.3	2,678.8	2,696.8	2,673.6	2,663.7	2,687.2
Durable goods	428.0	427.4	437.6	426.8	429.5	415.6	402.9	408.0
Motor vehicles and parts	181.4	177.7	183.9	177.8	179.6	169.4	157.2	160.5
Furniture and household equipment ..	175.0	179.3	181.4	180.0	179.7	176.3	177.6	181.3
Other	71.6	70.4	72.3	69.0	70.2	69.9	68.2	66.3
Nondurable goods	919.9	911.1	915.6	911.2	916.4	901.2	897.1	899.3
Food	462.9	457.4	457.4	459.3	459.4	453.6	453.5	451.1
Clothing and shoes	172.7	172.6	174.2	171.3	174.4	170.6	167.0	171.4
Gasoline and oil	96.7	94.8	96.2	93.9	94.4	94.6	95.1	93.6
Other nondurable goods	187.7	186.3	187.7	186.8	188.3	182.3	183.5	183.2
Fuel oil and coal	21.9	19.2	18.6	20.4	21.0	16.7	17.6	18.8
Other	165.7	167.1	169.1	166.4	167.2	165.7	165.9	164.5
Services ¹	1,309.0	1,343.1	1,324.2	1,340.8	1,350.8	1,356.7	1,363.7	1,379.8
Housing	372.1	377.1	376.3	376.9	377.2	378.1	378.1	379.2
Household operation	167.6	167.8	162.8	168.5	170.1	169.6	166.1	171.0
Electricity and gas	84.1	81.4	77.7	82.4	82.7	82.8	79.8	83.3
Other	83.4	86.3	85.1	86.0	87.4	86.8	86.3	87.7
Transportation	96.9	100.3	98.8	99.7	100.9	102.0	101.2	103.0
Medical care	286.1	301.5	294.7	299.3	304.6	307.3	309.8	314.5
Other ¹	386.4	396.5	391.7	396.4	398.0	399.7	408.5	412.2

1. See the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.

Table 3.2.—Federal Government Receipts and Expenditures

[Billions of dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Receipts	1,052.9	1,109.7	1,080.6	1,105.8	1,125.9	1,126.5	1,134.5	.....
Personal tax and nontax receipts	464.0	492.8	473.6	492.1	500.0	505.5	501.3	504.1
Income taxes	453.1	479.1	462.1	474.3	487.0	493.2	488.5	490.4
Estate and gift taxes	9.0	11.7	9.6	15.7	11.1	10.3	10.8	11.6
Nontaxes	1.8	2.0	2.0	2.0	2.0	2.1	2.0	2.0
Corporate profits tax accruals	110.4	108.5	106.5	109.2	114.2	104.1	95.0	.....
Federal Reserve banks	21.6	22.6	21.8	22.1	23.6	22.7	22.2	.....
Other	88.8	86.0	84.8	87.1	90.6	81.4	72.8	.....
Indirect business tax and nontax accruals	58.4	61.7	60.6	60.5	61.0	64.6	72.7	71.9
Excise taxes	34.1	37.3	35.8	36.5	36.7	40.4	48.9	49.1
Customs duties	17.5	17.5	17.6	17.3	17.5	17.5	16.6	16.0
Nontaxes	6.8	6.8	7.2	6.7	6.7	6.7	7.1	6.8
Contributions for social insurance	420.1	446.7	439.9	444.0	450.6	452.3	465.5	468.9
Expenditures	1,187.2	1,275.7	1,248.8	1,271.7	1,310.6	1,310.6	1,261.4	1,321.3
Purchases of goods and services	400.0	424.0	410.6	421.9	425.8	437.6	443.8	446.8
National defense	301.1	313.6	307.2	309.6	312.6	325.0	331.2	325.3
Nondefense	98.9	110.4	103.4	112.3	113.2	112.6	112.6	121.4
Transfer payments	471.9	511.4	503.4	510.4	513.2	518.5	542.2	511.0
To persons	458.6	496.8	490.3	491.4	496.1	509.3	534.3	541.6
To foreigners	13.4	14.6	13.1	18.9	17.0	9.2	-72.1	-30.6
Grants-in-aid to State and local governments	118.2	131.4	128.5	131.5	129.8	135.8	143.7	151.6
Net interest paid	172.0	186.3	178.1	184.3	189.8	193.0	194.3	196.5
Interest paid	191.7	206.4	198.6	203.0	210.4	213.8	215.9	218.7
To persons and business	155.7	167.7	161.0	164.3	171.4	174.1	176.8	179.6
To foreigners	36.0	38.8	37.6	38.7	39.0	39.7	39.1	39.1
Less: Interest received by government	19.6	20.2	20.5	18.7	20.6	20.8	21.5	22.2
Subsidies less current surplus of government enterprises	25.0	22.7	28.3	23.8	13.1	25.9	17.4	15.1
Subsidies	27.9	26.9	32.4	25.6	17.3	32.3	29.5	29.1
Less: Current surplus of government enterprises	2.8	4.2	4.2	1.9	4.2	6.4	12.1	14.1
Less: Wage accruals less disbursements	0	0	0	0	0	0	0	-4
Surplus or deficit (1), national income and product accounts ..	-134.3	-166.0	-168.3	-166.0	-145.7	-184.3	-126.9	.....
Social insurance funds	63.8	64.0	59.3	64.0	67.5	65.2	55.9	56.1
Other	-198.1	-230.0	-227.5	-230.0	-213.2	-249.5	-182.8	.....

Table 3.3.—State and Local Government Receipts and Expenditures

[Billions of dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Receipts	749.9	800.5	783.6	792.2	808.6	817.5	827.8	.....
Personal tax and nontax receipts	194.8	206.6	201.5	204.4	209.4	211.1	213.3	216.9
Income taxes	101.7	106.2	104.0	105.0	108.0	107.8	108.1	109.8
Nontaxes	77.6	83.8	81.3	83.0	84.7	86.3	87.9	89.6
Other	15.6	16.6	16.2	16.5	16.7	17.0	17.3	17.5
Corporate profits tax accruals	24.7	23.6	23.3	23.9	24.9	22.4	20.1	.....
Indirect business tax and nontax accruals	355.6	378.6	371.2	372.5	383.9	386.7	388.7	392.7
Sales taxes	170.9	181.4	178.5	177.5	184.2	185.2	183.7	185.0
Property taxes	139.9	150.1	146.4	148.8	151.4	153.7	156.0	158.5
Other	44.7	47.2	46.3	46.3	48.2	47.8	48.9	49.2
Contributions for social insurance	56.7	60.2	59.0	59.9	60.7	61.4	62.1	62.8
Federal grants-in-aid	118.2	131.4	128.5	131.5	129.8	135.8	143.7	151.6
Expenditures	703.5	765.1	745.5	753.6	769.4	791.8	797.8	807.2
Purchases of goods and services	625.6	674.1	659.6	664.6	677.0	695.3	697.7	702.7
Compensation of employees	373.0	400.9	390.4	397.5	404.5	411.2	417.8	423.8
Other	252.6	273.2	269.1	267.1	272.6	284.0	279.8	278.9
Transfer payments to persons	145.9	162.9	156.5	160.6	164.9	169.7	174.4	179.5
Net interest paid	-40.2	-41.6	-41.0	-41.4	-41.8	-42.2	-42.6	-43.1
Interest paid	59.1	63.0	61.5	62.5	63.6	64.6	65.6	66.6
Less: Interest received by government	99.3	104.6	102.5	103.9	105.3	106.8	108.2	109.7
Less: Dividends received by government	9.1	10.1	9.7	10.0	10.2	10.5	10.8	11.0
Subsidies less current surplus of government enterprises	-18.8	-20.3	-19.8	-20.1	-20.6	-20.5	-20.9	-21.0
Subsidies .....	.7	.8	.8	.8	.8	.8	.8	.8
Less: Current surplus of government enterprises	19.5	21.0	20.6	20.9	21.3	21.3	21.7	21.8
Less: Wage accruals less disbursements	0	0	0	0	0	0	0	0
Surplus or deficit (1), national income and product accounts ..	46.4	35.4	38.1	38.6	39.3	25.7	30.0	.....
Social insurance funds	66.4	69.4	68.3	69.1	69.8	70.4	71.1	71.6
Other	-19.9	-34.0	-30.2	-30.4	-30.5	-44.8	-41.0	.....

Table 3.7B.—Government Purchases of Goods and Services by Type

[Billions of dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Government purchases of goods and services	1,025.6	1,098.1	1,070.1	1,086.4	1,102.8	1,132.9	1,141.5	1,149.4
Federal	400.0	424.0	410.6	421.9	425.8	437.6	443.8	446.8
National defense	301.1	313.6	307.2	309.6	312.6	325.0	331.2	325.3
Durable goods	80.9	85.1	78.6	81.7	86.6	93.6	91.6	86.8
Nondurable goods	10.4	13.0	10.0	11.6	11.9	18.4	15.6	12.2
Services	203.3	209.2	212.3	209.6	207.5	207.3	218.9	220.9
Compensation of employees	119.0	124.4	123.5	124.0	124.3	125.8	132.1	131.5
Military	78.8	82.5	82.1	82.2	82.4	83.5	88.1	87.1
Civilian	40.2	41.8	41.4	41.8	41.9	42.2	44.1	44.4
Other services	84.3	84.8	88.8	85.6	83.2	81.5	86.7	89.4
Structures	6.4	6.3	6.2	6.7	6.6	5.7	5.1	5.5
Nondefense	98.9	110.4	103.4	112.3	113.2	112.6	112.6	121.4
Durable goods	5.3	5.7	5.4	5.6	5.8	6.0	5.7	5.7
Nondurable goods	1.4	4.4	0	5.6	7.2	4.8	3.7	10.2
Commodity Credit Corporation inventory change	-5.3	-2.4	-6.8	-1.9	.4	-1.4	-1.5	3.6
Other nondurables	6.7	6.8	6.8	7.5	6.8	6.2	5.2	6.6
Services	85.1	91.9	89.9	92.8	92.1	92.9	94.3	95.2
Compensation of employees	49.5	54.1	53.1	55.2	54.1	54.1	56.3	56.7
Other services	35.6	37.8	36.8	37.6	38.1	38.8	37.9	38.5
Structures	7.0	8.3	8.1	8.3	8.1	8.9	8.9	10.3
State and local	625.6	674.1	659.6	664.6	677.0	695.3	697.7	702.7
Durable goods	30.5	33.0	32.1	32.7	33.4	33.9	34.5	34.7
Nondurable goods	49.9	53.9	52.3	51.5	54.1	57.9	54.5	53.2
Services	472.4	506.6	494.2	502.3	510.6	519.4	528.3	535.1
Compensation of employees	373.0	400.9	390.4	397.5	404.5	411.2	417.8	423.8
Other services	99.4	105.7	103.8	104.8	106.1	108.1	110.5	111.4
Structures	72.9	80.5	81.0	78.0	78.9	84.1	80.3	79.6

Table 3.8B.—Government Purchases of Goods and Services by Type in Constant Dollars

[Billions of 1982 dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Government purchases of goods and services	798.1	820.8	807.9	820.2	822.7	832.3	829.6	833.9
Federal	334.9	343.7	333.0	345.9	346.0	349.9	349.5	353.8
National defense	256.3	258.7	254.4	256.5	258.2	265.7	267.5	261.1
Durable goods	81.5	84.5	79.3	81.5	86.6	90.7	89.9	85.5
Nondurable goods	13.1	14.7	12.0	14.7	13.8	18.4	17.5	14.7
Services	156.7	154.7	158.3	155.2	152.9	152.4	156.2	156.8
Compensation of employees	89.6	89.1	89.0	88.8	89.0	89.7	90.6	89.6
Military	59.8	59.5	59.5	59.2	59.3	60.1	61.0	60.0
Civilian	29.9	29.6	29.5	29.6	29.6	29.6	29.6	29.7
Other services	67.1	65.6	69.3	66.4	64.0	62.7	65.6	67.2
Structures	5.0	4.7	4.7	5.1	4.9	4.3	3.8	4.1
Nondefense	78.7	85.0	78.6	89.4	87.8	84.2	82.0	92.7
Durable goods	5.9	6.3	6.1	6.2	6.3	6.6	6.6	6.4
Nondurable goods	1.2	3.9	-1.3	7.6	7.0	2.4	1.3	11.1
Commodity Credit Corporation inventory change	-4.7	-1.8	-7.0	1.1	1.3	-2.5	-1.5	5.8
Other nondurables	5.9	5.7	5.7	6.5	5.7	5.0	2.9	5.3
Services	65.8	68.1	67.3	68.9	68.0	68.1	67.0	67.2
Compensation of employees	36.9	38.5	38.1	39.4	38.4	38.1	38.1	38.1
Other services	28.9	29.6	29.2	29.5	29.6	29.9	29.9	29.1
Structures	5.8	6.7	6.5	6.7	6.5	7.1	7.1	8.1
State and local	463.2	477						

Table 3.9.—National Defense Purchases of Goods and Services

	[Billions of dollars]							
	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
National defense purchases	301.1	313.6	307.2	309.6	312.6	325.0	331.2	325.3
Durable goods	80.9	85.1	78.6	81.7	86.6	93.6	91.6	86.8
Military equipment	71.6	75.8	70.1	73.0	77.3	82.7	79.0	74.2
Aircraft	26.6	26.6	24.7	25.2	25.8	30.8	25.3	24.8
Missiles	13.0	15.1	14.7	14.2	15.8	15.7	17.4	14.8
Ships	9.9	10.8	10.0	10.6	10.2	12.3	10.5	9.7
Vehicles	3.6	3.6	3.3	3.8	3.8	3.5	3.3	3.1
Electronic equipment	6.4	6.1	7.0	5.8	6.1	5.7	6.3	6.4
Other	12.2	13.5	10.4	13.4	15.5	14.7	16.2	15.4
Other durable goods	9.3	9.4	8.6	8.7	9.4	10.9	12.7	12.6
Nondurable goods	10.4	13.0	10.0	11.6	11.9	18.4	15.6	12.2
Petroleum products	4.3	6.4	4.5	5.2	5.3	10.8	7.3	4.4
Ammunition	3.5	4.0	3.3	3.9	3.9	4.9	4.9	4.3
Other nondurable goods	2.7	2.5	2.3	2.5	2.7	2.7	3.4	3.4
Services	203.3	209.2	212.3	209.6	207.5	217.3	218.9	220.9
Compensation of employees	119.0	124.4	123.5	124.0	124.3	125.8	132.1	131.5
Military	78.8	82.5	82.1	82.2	82.4	83.5	88.1	87.1
Civilian	40.2	41.8	41.4	41.8	41.9	42.2	44.1	44.4
Other services	84.3	84.8	88.8	85.6	83.2	81.5	86.7	89.4
Contractual research and development	31.1	33.3	33.9	34.2	33.2	31.8	30.9	32.9
Installation support ¹	25.0	20.7	24.6	21.6	19.6	17.0	20.6	20.1
Weapons support ²	8.8	8.2	9.1	8.7	7.7	7.3	8.7	8.9
Personnel support ³	11.5	11.8	12.2	11.6	11.6	11.7	12.4	13.8
Transportation of materiel	3.8	5.4	4.3	4.4	5.7	7.3	7.5	7.3
Travel of persons	4.2	5.1	4.6	4.7	5.2	6.0	6.2	6.1
Other	-1.1	-2.2	-2.4	-2.4	0	-3	-3	-2
Structures	6.4	6.3	6.2	6.7	6.6	5.7	5.1	5.5
Military facilities	4.1	3.7	3.7	4.0	3.9	3.0	2.5	2.7
Other	2.4	2.6	2.5	2.7	2.6	2.7	2.6	2.7

1. Includes utilities, communications, rental payments, maintenance and repair, and payments to contractors to operate installations.
2. Includes depot maintenance and contractual services for weapons systems, other than research and development.
3. Includes compensation of foreign personnel, consulting, training, and education.

Table 4.1.—Foreign Transactions in the National Income and Product Accounts

	[Billions of dollars]							
	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Receipts from foreigners ¹	626.2	672.8	661.3	659.7	672.7	697.4	694.5	699.9
Exports of goods and services ¹	626.2	672.8	661.3	659.7	672.7	697.4	694.5	699.9
Merchandise ²	369.9	397.9	394.2	395.0	393.5	409.1	410.7	422.6
Durable goods ²	240.8	262.5	258.9	263.2	262.0	266.1	263.0	279.9
Nondurable goods	129.2	135.4	135.3	131.8	131.4	143.0	147.7	142.7
Services ¹	256.3	274.9	267.1	264.7	279.3	288.3	283.8	277.4
Factor income ^{3,4}	135.2	137.4	134.7	130.5	139.6	144.8	145.6	133.2
Other ⁵	121.0	137.4	132.4	134.2	139.7	143.5	138.3	144.1
Capital grants received by the United States (net)	0	0	0	0	0	0	0	0
Payments to foreigners ⁶	626.2	672.8	661.3	659.7	672.7	697.4	694.5	699.9
Imports of goods and services ⁶	672.3	704.0	691.3	684.6	714.1	726.2	681.0	690.5
Merchandise ²	480.9	502.7	497.8	484.1	508.1	520.9	484.9	492.3
Durable goods ²	309.6	311.6	306.8	307.6	316.5	315.4	302.4	305.5
Nondurable goods	171.3	191.1	191.0	176.5	191.6	205.5	182.5	186.8
Services ⁶	191.4	201.3	193.5	200.5	206.0	205.3	196.1	198.2
Factor income ³	97.7	95.7	93.1	98.9	96.7	94.0	90.8	88.6
Other ⁷	93.8	105.6	100.4	101.6	109.2	111.2	105.3	109.7
Transfer payments (net)	14.8	15.5	14.0	19.4	18.3	10.2	-70.9	-29.8
From persons (net)	1.4	.9	.9	.4	1.3	1.0	1.2	.8
From government (net)	13.4	14.6	13.1	18.9	17.0	9.2	-72.1	-30.6
Interest paid by government to foreigners	36.0	38.8	37.6	38.7	39.0	39.7	39.1	39.1
Net foreign investment	-96.8	-85.5	-81.6	-82.9	-98.7	-78.7	45.3	.1

1. See footnote 5 and the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.
2. Estimates beginning with the first quarter of 1986 exclude repairs and alterations of equipment, which was reclassified to "other" services.
3. Line 7 less line 16 equals rest-of-the-world product as shown in table 1.7.
4. Estimates beginning with the first quarter of 1986 exclude noninterest income of banks, which was reclassified to "other" services.
5. Estimates beginning with the first quarter of 1986 cover many business, professional, and technical services and incorporate improved measurement of telecommunications services and insurance services; incorporate new source data on travel and passenger fares; cover foreign students' expenditures in the United States; cover repairs and alterations of equipment; and cover noninterest income of banks.
6. See footnote 7 and the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.
7. Estimates beginning with the first quarter of 1986 cover many business, professional, and technical services and incorporate improved measurement of telecommunications services and insurance services; incorporate new source data on travel and passenger fares; cover U.S. students' expenditures abroad; cover repairs and alterations of equipment.

Table 3.10.—National Defense Purchases of Goods and Services in Constant Dollars

	[Billions of 1982 dollars]							
	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
National defense purchases	256.3	258.7	254.4	256.5	258.2	265.7	267.5	261.1
Durable goods	81.5	84.5	79.3	81.5	86.6	90.7	89.9	85.5
Military equipment	69.6	72.1	67.8	69.7	74.1	76.8	73.3	69.0
Aircraft	26.8	26.3	25.1	25.3	26.1	28.8	23.7	22.7
Missiles	14.5	16.3	15.9	13.3	17.0	17.2	18.9	17.0
Ships	7.9	8.4	7.9	8.3	8.0	9.5	8.1	7.4
Vehicles	3.9	3.9	3.7	4.1	4.2	3.7	3.2	3.2
Electronic equipment	5.8	5.5	6.3	5.2	5.5	5.1	5.6	5.7
Other	10.6	11.5	8.9	11.5	13.3	12.5	13.6	12.9
Other durable goods	11.9	12.5	11.6	11.8	12.5	14.0	16.6	16.5
Nondurable goods	13.1	14.7	12.0	14.7	13.8	18.4	17.5	14.7
Petroleum products	7.4	8.5	6.9	8.7	7.4	11.1	9.2	7.5
Ammunition	3.5	4.2	3.3	4.0	4.2	5.2	5.6	4.5
Other nondurable goods	2.2	2.0	1.8	2.0	2.2	2.1	2.7	2.7
Services	156.7	154.7	158.3	155.2	152.9	152.4	156.2	156.8
Compensation of employees	89.6	89.1	89.0	88.8	89.0	89.7	90.6	89.6
Military	59.8	59.5	59.5	59.2	59.3	60.1	61.0	60.0
Civilian	29.9	29.6	29.5	29.6	29.6	29.6	29.6	29.6
Other services	67.1	65.6	69.3	66.4	64.0	62.7	65.6	67.2
Contractual research and development	24.9	25.9	26.7	26.8	25.6	24.3	23.3	24.4
Installation support ¹	18.8	15.1	18.0	15.7	14.1	12.4	14.7	14.4
Weapons support ²	7.2	6.5	7.3	6.9	6.1	5.7	6.8	6.8
Personnel support ³	8.2	8.0	8.6	8.0	7.7	7.9	8.3	9.3
Transportation of materiel	4.1	5.5	4.6	4.6	5.8	7.2	7.2	7.1
Travel of persons	3.9	4.4	4.0	4.1	4.5	5.0	5.2	5.1
Other	-1.1	-2.2	-2.3	-2.3	0	-2	-2	-1
Structures	5.0	4.7	4.7	5.1	4.9	4.3	3.8	4.1
Military facilities	3.1	2.7	2.8	3.0	2.9	2.2	1.8	1.9
Other	1.9	2.0	1.9	2.1	2.0	2.1	2.0	2.1

1. Includes utilities, communications, rental payments, maintenance and repair, and payments to contractors to operate installations.
2. Includes depot maintenance and contractual services for weapons systems.
3. Includes compensation of foreign personnel, consulting, training, and education.

Table 4.2.—Exports and Imports of Goods and Services in Constant Dollars

	[Billions of 1982 dollars]							
	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Exports of goods and services ¹	593.3	631.5	628.1	620.1	630.5	647.2	648.0	653.9
Merchandise ²	390.8	423.9	422.4	418.4	421.0	433.8	441.4	453.3
Durable goods ²	268.9	296.2	292.8	293.4	296.3	302.3	303.8	318.9
Nondurable goods	121.9	127.7	129.6	125.0	124.6	131.4	137.6	134.3
Services ¹	202.6	207.6	205.7	201.7	209.5	213.4	206.7	200.7
Factor income ^{3,4}	105.1	102.2	101.9	97.4	103.2	106.2	105.3	95.2
Other ⁵	97.5	105.4	103.9	104.3	106.4	107.2	101.4	105.5
Imports of goods and services ⁶	647.4	665.3	663.5	664.7	677.0	656.0	641.0	672.6
Merchandise ²	499.3	517.0	517.8	515.2	526.5	508.4	501.7	533.2
Durable goods ²	302.9	313.3	308.5	310.2	317.5	317.0	309.7	322.0
Nondurable goods	196.4	203.7	209.3	205.0	209.0	191.5	192.1	211.3
Services ⁶	148.2	148.3	145.6	149.4	150.5	147.6	139.2	139.4
Factor income ³	74.9	70.3	69.5	72.9	70.6	68.1	64.8	62.4
Other ⁷	73.2	78.0	76.1	76.5	79.9	79.5	74.5	76.9

1. See footnote 5 and the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.
2. Estimates beginning with the first quarter of 1986 exclude repairs and alterations of equipment, which was reclassified to "other" services.
3. Line 6 less line 13 equals rest-of-the-world product as shown in table 1.8.
4. Estimates beginning with the first quarter of 1986 exclude noninterest income of banks, which was reclassified to "other" services.
5. Estimates beginning with the first quarter of 1986 cover many business, professional, and technical services and incorporate improved measurement of telecommunications services and insurance services; incorporate new source data on travel and passenger fares; cover foreign students' expenditures in the United States; cover repairs and alterations of equipment; and cover noninterest income of banks.
6. See footnote 7 and the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.
7. Estimates beginning with the first quarter of 1986 cover many business, professional, and technical services and incorporate improved measurement of telecommunications services and insurance services; incorporate new source data on travel and passenger fares; cover U.S. students' expenditures abroad; cover repairs and alterations of equipment.

Table 4.3.—Merchandise Exports and Imports by Type of Product and by End-Use Category
[Billions of dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Merchandise exports^{1 2}	369.9	397.9	394.2	395.0	393.5	409.1	410.7	422.6
Foods, feeds, and beverages	36.6	35.4	38.9	36.8	33.6	32.5	36.3	34.0
Industrial supplies and materials	96.0	102.4	100.5	97.8	100.0	111.1	110.2	109.6
Durable goods	34.3	36.0	35.6	35.0	35.8	37.4	36.0	37.6
Nondurable goods	61.7	66.4	64.8	62.7	64.2	73.7	74.2	72.0
Capital goods, except autos	138.0	153.5	152.9	154.2	151.8	155.1	155.0	164.4
Autos	34.7	36.3	34.7	38.5	36.1	35.9	32.9	39.2
Consumer goods	35.4	43.0	40.7	42.0	43.7	45.7	45.7	44.8
Durable goods	19.1	23.1	22.3	22.5	24.1	23.3	23.9	23.4
Nondurable goods	16.3	19.9	18.4	19.5	19.5	22.4	21.9	21.4
Other ^{1 2}	29.3	27.4	26.5	25.7	28.3	28.8	30.5	30.5
Durable goods ^{1 3}	14.6	13.7	13.3	12.9	14.2	14.4	15.3	15.3
Nondurable goods ³	14.6	13.7	13.3	12.9	14.2	14.4	15.3	15.3
Merchandise imports¹	480.9	502.7	497.8	484.1	508.1	520.9	484.9	492.3
Foods, feeds, and beverages	25.1	26.5	27.8	26.8	25.5	26.0	25.5	28.0
Industrial supplies and materials, excluding petroleum	78.3	76.8	76.6	76.7	77.1	76.8	73.3	75.4
Durable goods	42.3	38.5	38.9	38.6	38.5	37.9	35.2	36.2
Nondurable goods	36.0	38.3	37.7	38.1	38.6	38.9	38.1	39.2
Petroleum and products	50.9	62.3	62.4	48.7	62.8	75.3	56.1	55.9
Capital goods, except autos	113.1	117.2	115.7	115.6	116.7	121.0	120.0	123.2
Autos	86.0	86.2	83.9	84.9	90.4	85.6	81.6	78.4
Consumer goods	102.8	105.0	103.4	103.3	106.2	107.1	100.7	102.4
Durable goods	55.8	55.3	54.3	54.4	56.1	56.4	51.7	53.2
Nondurable goods	47.0	49.7	49.1	49.0	50.1	50.7	49.0	49.2
Other ¹	24.7	28.7	28.1	28.1	29.4	29.2	27.7	28.9
Durable goods ^{1 3}	12.4	14.4	14.0	14.0	14.7	14.6	13.8	14.5
Nondurable goods ³	12.4	14.4	14.0	14.0	14.7	14.6	13.8	14.5
Addenda:								
Exports of agricultural products ⁴	41.5	40.4	43.8	41.3	38.9	37.4	39.3	37.6
Exports of nonagricultural products	328.5	357.6	350.4	353.7	354.5	371.7	371.3	385.0
Imports of nonpetroleum products	430.0	440.4	435.4	435.5	445.3	445.6	428.8	436.4

1. Estimates beginning with the first quarter of 1986 exclude repairs and alterations of equipment, which was reclassified to services other than factor income.

2. Beginning with 1987, reexports—that is, exports of foreign merchandise—are assigned to end-use categories in the same manner as exports of domestic merchandise. For earlier periods, all reexports are included in the "other" categories.

3. Because no data are available to distribute exports and imports of "other" merchandise between durable and nondurable goods prior to 1986, or to distribute imports of "other" merchandise for all time periods, estimates were distributed equally.

4. Includes parts of line 2 and line 5.

NOTE.—Beginning with 1985, the definitions of the end-use categories have been changed. For a description of the new definitions, see the technical notes in "U.S. International Transactions, First Quarter 1988," SURVEY OF CURRENT BUSINESS 68 (June 1988): 34-39 and 57.

Table 4.4.—Merchandise Exports and Imports by Type of Product and by End-Use Category in Constant Dollars
[Billions of 1982 dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Merchandise exports^{1 2}	390.8	423.9	422.4	418.4	421.0	433.8	441.4	453.3
Foods, feeds, and beverages	35.8	36.6	40.1	36.9	34.9	34.7	38.1	35.0
Industrial supplies and materials	92.2	97.7	97.2	95.2	95.9	102.6	103.4	106.2
Durable goods	32.8	34.6	34.4	34.1	34.2	35.8	34.0	36.3
Nondurable goods	59.4	63.1	62.8	61.1	61.7	66.8	69.4	69.9
Capital goods, except autos	176.4	198.8	197.6	196.1	198.1	203.6	208.8	217.5
Autos	28.9	29.6	28.4	31.4	29.4	29.2	26.3	31.2
Consumer goods	30.9	36.6	35.2	35.8	37.3	38.3	37.9	36.6
Durable goods	17.6	20.9	20.4	20.3	22.0	21.0	21.3	20.6
Nondurable goods	13.4	15.7	14.8	15.5	15.4	17.2	16.7	16.0
Other ^{1 2}	26.5	24.4	23.9	23.0	25.3	25.4	26.9	26.8
Durable goods ^{1 3}	13.3	12.2	12.0	11.5	12.7	12.7	13.4	13.4
Nondurable goods ³	13.3	12.2	12.0	11.5	12.7	12.7	13.4	13.4
Merchandise imports¹	499.3	517.0	517.8	515.2	526.5	508.4	501.7	533.2
Foods, feeds, and beverages	23.9	24.8	26.4	25.6	23.5	23.7	23.6	25.7
Industrial supplies and materials, excluding petroleum	72.3	72.5	72.2	72.3	73.0	72.6	68.2	70.8
Durable goods	39.2	37.1	37.9	37.0	36.8	36.6	34.0	35.1
Nondurable goods	33.1	35.4	34.3	35.2	36.2	36.0	34.2	35.7
Petroleum and products	93.8	95.5	100.8	96.9	100.9	83.3	87.8	102.2
Capital goods, except autos	143.7	156.4	153.3	154.3	156.1	161.7	165.8	176.9
Autos	63.8	63.3	61.8	63.3	66.8	61.6	57.7	55.5
Consumer goods	81.5	81.1	80.4	79.8	82.2	81.9	76.6	78.8
Durable goods	46.1	44.8	44.0	44.0	45.8	45.3	41.1	42.8
Nondurable goods	35.4	36.3	36.3	35.7	36.4	36.6	35.5	36.0
Other ¹	20.4	23.4	23.0	23.1	24.0	23.6	22.1	23.3
Durable goods ^{1 3}	10.2	11.7	11.5	11.5	12.0	11.8	11.0	11.7
Nondurable goods ³	10.2	11.7	11.5	11.5	12.0	11.8	11.0	11.7
Addenda:								
Exports of agricultural products ⁴	39.6	40.1	43.4	39.9	38.6	38.3	39.5	37.1
Exports of nonagricultural products	351.2	383.8	379.0	378.5	382.4	395.5	401.9	416.1
Imports of nonpetroleum products	405.5	421.5	417.1	418.3	425.5	425.1	414.0	431.0

1. Estimates beginning with the first quarter of 1986 exclude repairs and alterations of equipment, which was reclassified to services other than factor income.

2. Beginning with 1987, reexports—that is, exports of foreign merchandise—are assigned to end-use categories in the same manner as exports of domestic merchandise. For earlier periods, all reexports are included in the "other" categories.

3. Because no data are available to distribute exports and imports of "other" merchandise between durable and nondurable goods prior to 1986, or to distribute imports of "other" merchandise for all time periods, estimates were distributed equally.

4. Includes parts of line 2 and line 5.

NOTE.—Beginning with 1985, the definitions of the end-use categories have been changed. For a description of the new definitions, see the technical notes in "U.S. International Transactions, First Quarter 1988," SURVEY OF CURRENT BUSINESS 68 (June 1988): 34-39 and 57.

Table 5.1.—Gross Saving and Investment

[Billions of dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Gross saving	691.5	657.3	664.8	679.3	665.9	619.2	697.1	
Gross private saving	779.3	787.9	795.0	806.7	772.2	777.8	793.9	
Personal saving	171.8	180.1	191.3	195.1	166.5	167.5	168.7	150.7
Undistributed corporate profits with inventory valuation and capital consumption adjustments	53.0	32.2	36.7	40.5	26.5	25.2	33.6	
Undistributed profits	49.1	38.7	36.8	33.2	44.3	40.4	29.0	
Inventory valuation adjustment	-21.7	-11.4	-11.4	-5	-19.8	-13.8	8.1	4.0
Capital consumption adjustment	25.5	4.9	11.3	7.7	2.0	-1.4	-3.5	0
Corporate capital consumption allowances with capital consumption adjustment	346.4	363.0	356.7	359.7	365.5	370.3	375.6	378.2
Noncorporate capital consumption allowances with capital consumption adjustment	208.0	212.6	210.3	211.4	213.8	214.8	216.0	218.5
Wage accruals less disbursements	0	0	0	0	0	0	0	0
Government surplus or deficit (-, national income and product accounts)	-87.8	-130.6	-130.2	-127.3	-106.4	-158.6	-96.8	
Federal	-134.3	-166.0	-168.3	-166.0	-145.7	-184.3	-126.9	
State and local	46.4	35.4	38.1	38.6	39.3	25.7	30.0	
Capital grants received by the United States (net)	0	0	0	0	0	0	0	0
Gross investment	674.4	655.6	665.6	676.1	661.0	619.6	705.3	663.2
Gross private domestic investment	771.2	741.0	747.2	759.0	759.7	698.3	660.0	663.1
Net foreign investment	-96.8	-85.5	-81.6	-82.9	-98.7	-78.7	45.3	.1
Statistical discrepancy	-17.0	-1.7	.7	-3.2	-4.9	.4	8.2	

Table 5.8.—Change in Business Inventories by Industry

	[Billions of dollars]							
	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Change in business inventories	28.3	-5.0	-11.8	13.4	9.0	-30.8	-34.2	-28.3
Farm	5.0	2.4	5.3	.5	2.2	1.5	2.9	-3.4
Nonfarm	23.3	-7.4	-17.0	13.0	6.8	-32.4	-37.1	-24.8
Change in book value	51.9	16.0	-1.3	14.1	53.9	-2.5	-52.2	-31.2
Inventory valuation adjustment ¹	-28.6	-23.4	-15.7	-1.1	-47.0	-29.8	15.1	6.4
Manufacturing	5.0	-4.6	.3	-3.5	5.4	-20.7	-3.5	-9.9
Durable goods	5.3	-4.4	-3.4	-4.9	3.4	-12.8	-10.1	-14.3
Nondurable goods	-4	-2	3.6	1.4	2.0	-7.9	6.5	4.4
Wholesale trade	2.3	2.2	-4	3.2	1.8	4.0	2.4	-10.1
Durable goods	2.6	2.2	1.9	.1	5.7	1.2	2.9	-9.8
Nondurable goods	-3	-1	-2.2	3.1	-3.9	2.9	-5	-2
Merchant wholesalers	3.1	1.8	-2.6	1.9	1.1	6.7	5.1	-10.3
Durable goods	2.8	2.6	2.1	0	6.1	2.2	3.8	-9.3
Nondurable goods .....	.3	-8	-4.7	1.9	-5.0	4.6	1.2	-1.0
Nonmerchant wholesalers	-8	4	2.3	1.3	7	-2.7	-2.6	2
Durable goods	-1	-4	-2	2	-4	-1.0	-9	-6
Nondurable goods	-6	.8	2.5	1.1	1.1	-1.7	-1.7	.8
Retail trade	8.1	-7.9	-30.8	9.2	.8	-10.8	-29.7	-3.4
Durable goods	2.2	-7.5	-24.6	6.5	3.0	-14.8	-25.7	-1.3
Automotive	2.8	-8.1	-26.9	3.4	3.8	-12.6	-21.3	-3.0
Other	-6	6	2.4	3.1	-9	-2.2	-4.3	1.7
Nondurable goods	5.9	-4	-6.2	2.7	-2.1	4.0	-4.1	-2.0
Other	7.9	3.0	13.9	4.1	-1.2	-4.9	-6.3	-1.5
Durable goods	1.8	-1.4	4.5	-1.7	-2.3	-6.0	-9.4	-5.0
Nondurable goods	6.2	4.3	9.4	5.8	1.1	1.1	3.1	3.5

1. The inventory valuation adjustment (IVA) shown in this table differs from the IVA that adjusts business incomes. The IVA in this table reflects the mix of methods (first-in, first-out; last-in, first-out; etc.) underlying book value inventories derived primarily from Census Bureau statistics. This mix differs from that underlying business income derived primarily from Internal Revenue Service statistics.

Table 5.10.—Inventories and Final Sales of Business by Industry

	[Billions of dollars]					
	Seasonally adjusted quarterly totals					
	1990				1991	
	I	II	III	IV	I	II
Inventories¹	1,049.4	1,049.3	1,070.1	1,061.1	1,046.2	1,040.8
Farm	79.4	79.1	77.3	76.1	79.4	79.8
Nonfarm	970.0	970.2	992.8	985.0	966.8	961.0
Durable goods	563.3	562.0	567.6	559.9	549.4	544.3
Nondurable goods	406.7	408.2	425.2	425.1	417.4	416.8
Manufacturing	382.5	377.8	390.2	383.5	377.5	373.9
Durable goods	255.4	252.5	255.3	251.6	248.5	245.2
Nondurable goods	127.1	125.4	134.8	131.9	128.9	128.7
Wholesale trade	227.3	228.2	233.2	234.0	233.4	230.8
Durable goods	147.0	147.1	149.2	150.0	151.0	149.3
Nondurable goods	80.4	81.1	84.0	84.1	82.4	81.5
Merchant wholesalers	199.2	200.2	203.0	205.0	206.1	203.3
Durable goods	130.4	130.7	132.9	133.9	135.2	133.5
Nondurable goods	68.8	69.5	70.1	71.1	71.0	69.8
Nonmerchant wholesalers	28.1	28.0	30.2	29.1	27.3	27.5
Durable goods	16.5	16.4	16.3	16.1	15.8	15.8
Nondurable goods	11.6	11.6	13.9	13.0	11.5	11.7
Retail trade	231.6	234.5	237.0	235.4	228.3	229.0
Durable goods	113.8	115.6	116.9	113.8	107.5	108.2
Automotive	56.1	57.2	58.5	55.7	50.4	49.9
Other	57.6	58.5	58.4	58.0	57.1	58.3
Nondurable goods	117.8	118.9	120.1	121.6	120.8	120.8
Other	128.6	129.6	132.5	132.1	127.6	127.3
Final sales²	380.3	383.3	387.5	390.2	391.1	395.7
Final sales of goods and structures ²	216.3	216.3	218.0	217.9	215.7	216.7
Ratio of inventories to final sales						
Inventories to final sales	2.76	2.74	2.76	2.72	2.67	2.63
Nonfarm inventories to final sales	2.55	2.53	2.56	2.52	2.47	2.43
Nonfarm inventories to final sales of goods and structures	4.48	4.49	4.55	4.52	4.48	4.44

1. Inventories are as of the end of the quarter. The quarter-to-quarter change in inventories calculated from current-dollar inventories in this 90b6 is not the current-dollar change in business inventories (CBI) component of GNP. The former is the difference between two inventory stocks, each valued at their respective end-of-quarter prices. The latter is the change in the physical volume of inventories valued at average prices of the quarter. In addition, changes calculated from this 90b6 are at quarterly rates, whereas CBI is stated at annual rates.

2. Quarterly totals at monthly rates. Business final sales equals final sales less gross product of households and institutions, government, and rest of the world, and includes a small amount of final sales by farms.

Table 5.9.—Change in Business Inventories by Industry in Constant Dollars

	[Billions of 1982 dollars]							
	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Change in business inventories	23.8	-3.6	-2.2	9.5	4.7	-26.4	-25.0	-21.2
Farm	5.0	1.5	6.0	-2.1	0	2.1	3.1	-5.0
Nonfarm	18.7	-5.1	-8.2	11.6	4.7	-28.5	-28.1	-16.3
Manufacturing	3.8	-3.9	1.7	-2.6	3.7	-18.3	-1.3	-6.5
Durable goods	4.2	-3.9	-2.9	-4.3	2.9	-11.3	-8.4	-12.1
Nondurable goods	-4	0	4.7	1.7	.8	-7.0	7.1	5.5
Wholesale trade	1.3	2.4	2.0	2.9	1.5	3.2	3.0	-6.1
Durable goods	2.3	1.9	2.0	0	4.9	.7	2.8	-8.3
Nondurable goods	-1.0	.5	.1	2.9	-3.4	2.6	.2	2.3
Merchant wholesalers	2.5	1.6	-1.1	1.2	.6	5.8	6.0	-6.8
Durable goods	2.4	2.2	2.1	-2	5.4	1.6	3.6	-7.9
Nondurable goods	0	-6	-3.2	1.4	-4.8	4.2	2.5	1.1
Nonmerchant wholesalers	-1.2	.8	3.1	1.7	.9	-2.5	-3.0	.7
Durable goods	-1	-3	-1	2	-5	-9	-7	-5
Nondurable goods	-1.0	1.1	3.2	1.5	1.4	-1.6	-2.3	1.2
Retail trade	6.9	-6.6	-25.6	7.6	.8	-9.3	-24.7	-2.6
Durable goods	1.9	-6.3	-20.5	5.4	2.4	-12.4	-21.3	-1.0
Automotive	2.4	-6.7	-22.6	2.8	3.2	-10.4	-17.6	-2.5
Other	-5	5	2.1	2.6	.8	-2.0	-3.7	1.5
Nondurable goods	5.0	-3	-5.1	2.2	-1.5	3.1	-3.4	-1.6
Other	6.8	3.0	13.7	3.7	-1.3	-4.1	-5.0	-1.1
Durable goods	1.5	-1.2	3.8	-1.4	-1.9	-5.0	-7.8	-4.7
Nondurable goods	5.3	4.1	9.9	5.1	.6	.9	2.8	3.0

Table 5.11.—Inventories and Final Sales of Business by Industry in Constant Dollars

	[Billions of 1982 dollars]					
	Seasonally adjusted quarterly totals					
	1990				1991	
	I	II	III	IV	I	II
Inventories¹	908.6	911.0	912.1	905.9	899.3	894.0
Farm	70.5	70.0	70.0	70.9	71.3	70.0
Nonfarm	838.1	841.0	842.2	835.1	828.0	824.0
Durable goods	478.3	478.2	480.3	473.3	464.6	458.2
Nondurable goods	359.8	362.8	361.9	361.8	363.4	365.8
Manufacturing	334.0	333.4	334.3	329.7	329.4	327.7
Durable goods	219.0	217.9	218.6	215.8	213.7	210.7
Nondurable goods	115.0	115.5	115.7	113.9	115.7	117.1
Wholesale trade	194.2	194.9	195.3	196.1	196.8	195.3
Durable goods	123.6	123.6	124.8	125.0	125.7	123.6
Nondurable goods	70.6	71.4	70.5	71.1	71.2	71.8
Merchant wholesalers	168.4	168.7	168.9	170.3	171.8	170.1
Durable goods	109.5	109.5	110.8	111.2	112.1	110.1
Nondurable goods	58.9	59.3	58.1	59.1	59.7	60.0
Nonmerchant wholesalers	25.8	26.2	26.4	25.8	25.0	25.2
Durable goods	14.0	14.1	14.0	13.7	13.6	13.4
Nondurable goods	11.7	12.1	12.4	12.0	11.5	11.8
Retail trade	192.9	194.8	195.0	192.7	186.5	185.8
Durable goods	96.4	97.8	98.4	95.3	89.9	89.7
Automotive	47.2	47.9	48.7	46.1	41.7	41.1
Other	49.2	49.9	49.7	49.2	48.3	48.6
Nondurable goods	96.5	97.0	96.6	97.4	96.5	96.1
Other	117.0	117.9	117.6	116.6	115.3	115.1
Final sales²	298.5	298.1	298.8	299.4	296.5	297.0
Final sales of goods and structures ²	184.1	182.8	183.2	183.3	179.7	178.8
Ratio of inventories to final sales						
Inventories to final sales	3.04	3.06	3.05	3.03	3.03	3.01
Nonfarm inventories to final sales	2.81	2.82	2.82	2.79	2.79	2.77
Nonfarm inventories to final sales of goods and structures	4.55	4.60	4.60	4.56	4.61	4.61

1. Inventories are as of the end of the quarter. Quarter-to-quarter changes calculated from this table are at quarterly rates, whereas the constant-dollar change in business inventories component of GNP is stated at annual rates.

2. Quarterly totals at monthly rates. Business final sales equals final sales less gross product of households and institutions, government, and rest of the world, and includes a small amount of final sales by farms.

Table 5.12.—Fixed Investment by Type
[Billions of dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Fixed investment	742.9	746.1	758.9	745.6	750.7	729.2	694.1	691.3
Nonresidential	511.9	524.1	523.1	516.5	532.8	524.0	503.6	498.1
Structures	146.2	147.0	148.8	147.2	149.8	142.1	139.5	139.2
Nonresidential buildings, excluding farm	104.3	103.5	104.9	104.6	106.1	98.3	95.6	95.0
Public utilities	25.7	25.8	25.4	25.8	25.9	25.9	26.1	26.7
Mining exploration, shafts, and wells	11.1	11.7	12.4	10.9	11.5	12.0	11.9	10.9
Other	5.1	6.1	6.1	5.9	6.2	6.0	5.9	6.5
Producers' durable equipment	365.7	377.1	374.3	369.3	383.0	381.9	364.1	359.0
Information processing and related equipment	116.0	120.2	120.4	118.6	119.1	122.8	120.8	120.7
Industrial equipment	93.1	92.4	95.1	90.6	91.3	92.6	88.4	85.5
Transportation and related equipment	76.2	83.2	77.9	79.4	91.7	84.0	80.4	78.2
Other	80.4	81.2	80.9	80.7	80.8	82.4	74.5	74.7
Residential	231.0	222.0	235.9	229.1	217.9	205.2	190.5	193.2
Single-family structures	116.7	111.0	122.6	115.1	107.4	99.1	87.6	88.9
Multifamily structures	23.3	20.1	20.8	20.9	19.6	19.1	17.7	15.6
Other	90.9	90.9	92.4	93.1	90.9	87.0	85.2	88.7

Table 5.13.—Fixed Investment by Type in Constant Dollars
[Billions of 1982 dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Fixed investment	693.1	692.3	702.9	691.2	692.3	682.7	648.6	647.1
Nonresidential	506.1	515.4	514.6	508.4	519.3	519.4	496.8	493.9
Structures	122.4	120.9	123.8	120.9	122.4	116.4	113.7	112.4
Nonresidential buildings, excluding farm	81.2	78.6	80.2	79.7	80.2	74.1	71.9	71.3
Public utilities	21.3	20.6	20.5	20.7	20.7	20.5	20.5	20.9
Mining exploration, shafts, and wells	15.7	16.9	18.2	15.8	16.5	17.0	16.6	15.1
Other	4.1	4.8	4.9	4.7	5.0	4.8	4.7	5.1
Producers' durable equipment	383.7	394.6	390.8	387.5	397.0	403.1	383.1	381.6
Information processing and related equipment	179.0	191.3	188.4	188.1	187.9	200.9	196.8	199.6
Industrial equipment	74.9	71.4	74.4	70.6	70.3	70.3	66.0	63.7
Transportation and related equipment	63.8	67.3	63.3	64.4	74.5	67.0	62.3	60.3
Other	66.1	64.6	64.7	64.5	64.2	64.9	58.0	58.0
Residential	187.0	176.8	188.3	182.8	173.0	163.3	151.8	153.2
Single-family structures	93.5	87.6	96.9	91.1	84.2	78.2	69.3	70.2
Multifamily structures	18.7	15.9	16.4	16.6	15.4	15.1	14.0	12.3
Other	74.8	73.4	75.0	75.2	73.4	70.0	68.5	70.6

Table 6.3B.—National Income Without Capital Consumption Adjustment by Industry
[Billions of dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
National income without capital consumption adjustment	4,228.5	4,445.8	4,371.0	4,435.4	4,483.2	4,493.8	4,492.2	.....
Domestic industries	4,190.9	4,404.1	4,329.3	4,403.8	4,440.4	4,443.0	4,437.4	.....
Private industries	3,584.9	3,755.7	3,694.9	3,758.8	3,788.3	3,781.0	3,758.9	.....
Agriculture, forestry, and fisheries	101.0	103.4	111.0	104.5	96.0	102.1	102.1	.....
Mining	36.4	42.2	39.3	40.4	41.2	48.0	45.8	.....
Construction	225.1	225.1	232.1	227.7	225.0	215.6	206.2	.....
Manufacturing	803.8	806.5	800.6	819.8	814.7	791.0	773.7	.....
Durable goods	465.6	461.5	464.8	471.5	464.5	445.4	430.6	.....
Nondurable goods	338.2	345.0	335.8	348.4	350.1	345.6	343.1	.....
Transportation and public utilities	136.6	144.0	140.8	144.8	145.8	144.7	142.8	.....
Transportation	87.4	92.8	91.1	91.9	93.5	94.6	95.1	.....
Communication	87.4	92.8	91.1	91.9	93.5	94.6	95.1	.....
Electric, gas, and sanitary services	90.2	92.0	90.9	91.7	93.3	92.1	93.9	.....
Wholesale trade	247.4	261.7	256.5	260.4	263.7	266.0	263.6	.....
Retail trade	360.1	377.1	372.4	381.5	377.2	377.3	381.3	.....
Finance, insurance, and real estate	613.8	647.5	630.6	643.6	658.5	657.3	651.9	.....
Services	883.0	963.4	929.6	952.5	979.4	992.2	1,002.5	.....
Government and government enterprises	606.0	648.4	634.4	645.0	652.0	662.0	678.5	.....
Rest of the world	37.6	41.7	41.6	31.6	42.9	50.8	54.8	44.7

Table 6.18B.—Corporate Profits by Industry
[Billions of dollars]

	1989	1990	Seasonally adjusted at annual rates					
			1990				1991	
			I	II	III	IV	I	II
Corporate profits with inventory valuation and capital consumption adjustments	311.6	298.3	296.8	306.6	300.7	288.9	286.2	.....
Domestic industries	260.7	241.4	243.9	257.6	243.1	220.8	218.0	.....
Financial	19.7	21.8	19.3	21.8	24.3	21.7	25.6	.....
Nonfinancial	241.0	219.5	224.5	235.8	218.8	199.1	192.4	.....
Rest of the world	50.9	56.9	52.9	48.9	57.6	68.0	68.2	.....
Corporate profits with inventory valuation adjustment	286.1	293.3	285.5	298.8	298.7	290.3	289.7	.....
Domestic industries	235.2	236.4	232.6	249.9	241.1	222.3	221.4	.....
Financial	15.4	18.7	16.1	18.2	21.7	18.8	22.5	.....
Federal Reserve banks	20.7	21.5	20.8	21.1	22.6	21.7	21.2	.....
Other	-5.2	-2.8	-4.7	-2.9	-8	-2.9	1.3	.....
Nonfinancial	219.8	217.7	216.5	231.7	219.3	203.4	198.9	.....
Manufacturing	96.1	88.8	90.1	100.8	91.2	73.1	67.1	.....
Durable goods	37.1	31.1	37.4	39.5	30.2	17.2	12.1	.....
Primary metal industries	6.2	4.0	4.9	5.4	3.6	2.4	1.4	.....
Fabricated metal products	6.7	4.9	6.4	6.0	4.8	2.4	2.0	.....
Machinery, except electrical	4.7	6.7	7.3	7.9	6.3	5.2	5.8	.....
Electric and electronic equipment	7.4	6.8	8.6	7.8	6.6	4.3	5.9	.....
Motor vehicles and equipment	-1.9	-7.0	-7.2	-4.3	-5.4	-11.2	-14.2	.....
Other	13.9	15.6	17.4	16.7	14.3	14.1	11.3	.....
Nondurable goods	59.0	57.7	52.7	61.3	60.9	55.8	55.0	.....
Food and kindred products	14.0	14.2	10.9	15.3	15.7	14.8	17.1	.....
Chemicals and allied products	21.7	21.3	21.9	22.7	22.1	18.6	16.2	.....
Petroleum and coal products	-3	4.3	1.0	3.7	3.7	8.7	10.5	.....
Other	23.1	17.9	18.9	19.6	19.4	13.8	11.1	.....
Transportation and public utilities	43.6	41.6	41.5	41.9	42.8	40.2	41.9	.....
Wholesale and retail trade	38.7	41.5	39.2	44.4	39.5	42.8	46.2	.....
Other	41.4	45.9	45.7	44.6	45.9	47.4	43.7	.....
Rest of the world	50.9	56.9	52.9	48.9	57.6	68.0	68.2	.....

Table 7.1.—Fixed-Weighted Price Indexes for Gross National Product, 1982 Weights
[Index numbers, 1982=100]

	1989	1990	Seasonally adjusted					
			1990				1991	
			I	II	III	IV	I	II
Gross national product	129.5	135.4	133.3	134.6	136.0	137.5	139.3	140.3
Personal consumption expenditures	131.6	138.4	136.1	137.1	139.1	141.5	142.6	143.6
Durable goods	114.3	116.8	116.4	116.5	116.7	117.4	118.7	119.2
Nondurable goods	123.9	132.3	129.7	130.3	132.8	136.4	136.6	137.1
Services	141.7	148.4	145.7	147.3	149.3	151.1	153.0	154.4
Gross private domestic investment								
Fixed investment	115.0	118.1	117.3	117.6	118.4	119.2	120.1	120.5
Nonresidential	112.6	116.0	115.0	115.5	116.2	117.3	118.5	118.8
Structures	110.3	112.6	111.6	112.2	113.0	113.6	114.3	114.7
Producers' durable equipment	114.1	118.2	117.2	117.6	118.2	119.7	121.3	121.5
Residential	123.3	125.5	125.1	125.2	126.0	125.8	125.7	126.4
Change in business inventories								
Net exports of goods and services								
Exports	114.4	117.4	115.9	116.7	117.6	119.0	120.0	120.3
Imports	109.5	113.9	112.3	110.0	113.6	120.1	116.4	114.7
Government purchases of goods and services	130.6	136.5	134.4	135.5	137.0	139.0	140.7	141.4
Federal	122.4	127.3	125.8	126.5	127.5	129.2	131.5	131.6
National defense	121.8	127.1	125.6	126.0	127.2	129.6	131.7	131.5
Nondefense	123.9	127.6	126.6	127.6	128.0	128.3	131.2	131.9
State and local	136.7	143.3	140.8	142.1	144.0	146.3	147.4	148.6
Addenda:								
Final sales	129.3	135.2	133.2	134.4	135.8	137.4	139.1	140.1
Personal consumption expenditures, food	129.2	137.1	135.8	136.1	137.5	139.2	141.3	143.0
Personal consumption expenditures, energy	97.8	106.4	102.3	100.6	105.5	117.0	109.4	105.2
Other personal consumption expenditures	136.4	142.7	140.3	141.9	143.6	145.1	147.1	148.4

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 7.2.—Fixed-Weighted Price Indexes for Gross National Product by Major Type of Product, 1982 Weights
[Index numbers, 1982=100]

	1989	1990	Seasonally adjusted					
			1990				1991	
			I	II	III	IV	I	II
Gross national product	129.5	135.4	133.3	134.6	136.0	137.5	139.3	140.3
Final sales	129.3	135.2	133.2	134.4	135.8	137.4	139.1	140.1
Change in business inventories								
Goods	119.9	125.8	123.9	125.1	126.1	127.7	129.2	130.0
Final sales	119.7	125.5	123.7	124.8	125.9	127.5	128.9	129.7
Change in business inventories								
Durable goods	110.8	114.2	113.4	113.9	114.2	115.1	116.4	117.1
Final sales	110.9	114.2	113.5	113.9	114.3	115.1	116.3	117.0
Change in business inventories								
Nondurable goods	126.0	133.6	130.9	132.5	134.1	136.3	137.8	138.7
Final sales	125.8	133.3	130.7	132.2	133.8	136.0	137.5	138.3
Change in business inventories								
Services	143.0	146.6	144.1	145.7	147.4	149.2	151.5	152.8
Structures	117.3	119.5	118.9	119.2	119.9	120.2	120.6	121.2

Table 7.3.—Fixed-Weighted Price Indexes for Relation of Gross National Product, Gross Domestic Purchases, and Final Sales to Domestic Purchases, 1982 Weights
[Index numbers, 1982=100]

	1989	1990	Seasonally adjusted					
			1990				1991	
			I	II	III	IV	I	II
Gross national product	129.5	135.4	133.3	134.6	136.0	137.5	139.3	140.3
Less: Exports of goods and services	114.4	117.4	115.9	116.7	117.6	119.0	120.0	120.3
Plus: Imports of goods and services	109.5	113.9	112.3	110.0	113.6	120.1	116.4	114.7
Equals: Gross domestic purchases¹	129.1	135.2	133.1	134.1	135.7	137.8	139.1	139.9
Less: Change in business inventories								
Equals: Final sales to domestic purchasers²	129.0	135.0	132.9	133.9	135.5	137.6	138.9	139.7

1. Purchases in the United States of goods and services wherever produced.
2. Final sales in the United States of goods and services wherever produced.

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 7.4.—Implicit Price Deflators for Gross National Product
[Index numbers, 1982=100]

	1989	1990	Seasonally adjusted					
			1990				1991	
			I	II	III	IV	I	II
Gross national product	126.3	131.5	129.5	131.0	132.2	133.1	134.8	136.1
Personal consumption expenditures	129.9	136.4	134.0	135.2	137.0	139.3	140.5	141.4
Durable goods	110.9	112.4	112.5	112.1	112.3	112.7	113.0	113.3
Nondurable goods	122.8	131.0	128.3	129.4	131.5	134.9	135.2	135.4
Services	141.0	147.7	145.1	146.6	148.5	150.4	152.1	153.5
Gross private domestic investment								
Fixed investment	107.2	107.8	108.0	107.9	108.4	106.8	107.0	106.8
Nonresidential	101.2	101.7	101.6	101.6	102.6	100.9	101.4	100.8
Structures	119.5	121.6	120.2	121.8	122.4	122.1	122.7	123.8
Producers' durable equipment	95.3	95.6	95.8	95.3	96.5	94.7	95.0	94.1
Residential	123.5	125.5	125.3	125.3	126.0	125.7	125.5	126.1
Change in business inventories								
Net exports of goods and services								
Exports	105.5	106.5	105.3	106.4	106.7	107.8	107.2	107.0
Imports	103.8	105.8	104.2	103.0	105.5	110.7	106.3	102.7
Government purchases of goods and services ..	128.5	133.8	132.5	132.5	134.0	136.1	137.6	137.8
Federal	119.4	123.3	123.3	122.0	123.0	125.1	127.0	126.3
National defense	117.5	121.2	120.8	120.7	121.1	122.3	123.8	124.6
Nondefense	125.8	129.8	131.5	125.6	128.9	133.8	137.3	130.9
State and local	135.1	141.3	138.9	140.1	142.0	144.1	145.3	146.4

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 7.5.—Implicit Price Deflators for Gross National Product by Major Type of Product
[Index numbers, 1982=100]

Gross national product	126.3	131.5	129.5	131.0	132.2	133.1	134.8	136.1
Final sales	126.3	131.5	129.7	131.0	132.2	133.0	134.8	136.1
Change in business inventories								
Goods	113.3	117.2	115.6	117.2	118.0	117.8	118.8	120.1
Final sales	113.2	117.2	116.2	117.1	117.8	117.8	119.1	120.3
Change in business inventories								
Durable goods	99.9	100.8	100.6	101.2	101.3	100.1	99.9	101.2
Final sales	99.7	101.0	101.0	101.2	101.1	100.6	100.8	101.7
Change in business inventories								
Nondurable goods	126.5	133.7	130.8	133.3	135.5	135.4	136.8	138.7
Final sales	126.6	133.9	131.9	133.3	135.0	135.5	137.4	139.2
Change in business inventories								
Services	139.4	146.1	143.6	145.2	146.9	148.6	150.7	152.1
Structures	122.6	124.7	124.0	124.6	125.2	124.9	125.2	126.1

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 7.6.—Implicit Price Deflators for Gross National Product by Sector
[Index numbers, 1982=100]

Gross national product	126.3	131.5	129.5	131.0	132.2	133.1	134.8	136.1
Gross domestic product	126.3	131.5	129.5	131.0	132.2	133.1	134.8	136.1
Business	124.2	129.0	127.1	128.6	129.8	130.4	131.9	133.2
Nonfarm	124.4	129.3	127.3	128.8	130.1	130.9	132.3	133.5
Nonfarm less housing	122.5	127.1	125.3	126.8	127.9	128.6	130.1	131.3
Housing	145.3	151.9	148.8	150.6	153.6	154.7	155.6	156.8
Farm	112.4	116.5	120.5	119.1	116.1	110.3	113.2	120.0
Statistical discrepancy	124.2	129.0	127.1	128.6	129.8	130.4	131.9	133.2
Households and institutions	139.3	145.5	142.5	144.2	146.3	148.6	150.6	152.3
Private households	107.4	110.9	108.5	109.9	111.7	113.5	114.9	116.0
Nonprofit institutions	141.5	147.8	144.9	146.6	148.6	151.0	153.0	154.7
Government	141.2	148.7	146.3	147.9	149.4	151.0	154.3	155.9
Federal	133.3	139.9	139.0	139.8	140.0	140.7	146.5	147.4
State and local	145.1	153.0	149.9	151.9	154.0	156.0	158.0	160.0
Rest of the world	128.7	134.4	132.2	133.9	135.3	136.3	138.3	139.9
Addendum:								
Gross domestic business product less housing ..	122.3							

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 7.7.—Implicit Price Deflators for the Relation of Gross National Product, Net National Product, and National Income
[Index numbers, 1982=100]

	1989	1990	Seasonally adjusted					
			1990				1991	
			I	II	III	IV	I	II
Gross national product	126.3	131.5	129.5	131.0	132.2	133.1	134.8	136.1
Less: Capital consumption allowances with capital consumption adjustment	109.6	110.8	110.6	110.6	110.9	111.0	111.3	111.2
Equals: Net national product	128.6	134.4	132.2	133.9	135.3	136.3	138.2	139.9
Less: Indirect business tax and nontax liability plus business transfer payments less subsidies plus current surplus of government enterprises	132.0	141.8	136.8	139.6	145.4	145.6	153.4	153.7
Statistical discrepancy	124.2	129.0	127.1	128.6	129.8	130.4	131.9	
Equals: National income	128.3	133.7	131.7	133.3	134.3	135.4	136.7	

Table 7.8.—Implicit Price Deflators for Command-Basis Gross National Product
[Index numbers, 1982=100]

Gross national product	126.3	131.5	129.5	131.0	132.2	133.1	134.8	136.1
Less: Net exports of goods and services	118.7	120.1	120.2	119.6	119.7	120.7	122.6	123.2
Exports	105.5	106.5	105.3	106.4	106.7	107.8	107.2	107.0
Imports	103.8	105.8	104.2	103.0	105.5	110.7	106.3	102.7
Equals: Gross domestic purchases	125.8	131.1	129.1	130.2	131.8	133.5	134.7	135.3
Plus: Command-basis net exports of goods and services								
Command-basis exports	103.8	105.8	104.2	103.0	105.5	110.7	106.2	102.7
Imports	103.8	105.8	104.2	103.0	105.5	110.7	106.3	102.7
Equals: Command-basis gross national product	126.0	131.3	129.3	130.4	132.0	133.6	134.6	135.2

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 7.9.—Fixed-Weighted Price Indexes for Personal Consumption Expenditures by Major Type of Product, 1982 Weights
[Index numbers, 1982=100]

Personal consumption expenditures	131.6	138.4	136.1	137.1	139.1	141.5	142.6	143.6
Durable goods	114.3	116.8	116.4	116.5	116.7	117.4	118.7	119.2
Motor vehicles and parts	118.7	120.1	120.2	119.6	119.7	120.7	122.6	123.2
Furniture and household equipment	104.9	106.6	106.3	106.4	106.7	106.9	107.3	107.4
Other	123.5	130.3	128.4	130.4	130.8	131.7	133.3	134.4
Nondurable goods	123.9	132.3	129.7	130.3	132.8	136.4	136.6	137.1
Food	129.2	137.1	135.8	136.1	137.5	139.2	141.3	143.0
Clothing and shoes	118.5	123.6	122.3	124.2	123.8	124.0	127.8	127.7
Gasoline and oil	86.8	99.0	90.5	90.0	99.7	115.6	100.9	96.1
Other nondurable goods	135.5	145.6	142.1	143.2	146.3	150.8	151.8	152.5
Fuel oil and coal	80.4	97.7	95.6	85.8	93.7	116.1	100.8	89.4
Other	142.9	152.0	148.3	150.8	153.4	155.4	158.4	160.7
Services	141.7	148.4	145.7	147.3	149.3	151.1	153.0	154.4
Housing	142.9	150.4	147.2	148.9	152.1	153.3	154.7	155.6
Household operation	122.6	124.9	125.0	124.7	123.9	126.0	128.7	128.5
Electricity and gas	115.7	117.6	118.4	117.3	115.7	119.0	122.1	120.3
Other	129.7	132.4	131.8	132.3	132.3	133.2	135.6	136.9
Transportation	131.9	137.7	135.2	136.8	138.0	140.7	145.4	145.4
Medical care	153.4	162.5	158.9	161.1	163.7	166.4	168.8	171.9
Other	143.5	149.7	147.1	148.9	150.7	152.2	153.2	155.0

Table 7.14.—Fixed-Weighted Price Indexes for Exports and Imports of Goods and Services, 1982 Weights
[Index numbers, 1982=100]

Exports of goods and services	114.4	117.4	115.9	116.7	117.6	119.0	120.0	120.3
Merchandise	106.2	107.3	106.4	106.8	107.0	108.5	108.6	108.5
Durable goods	107.0	109.3	108.5	109.0	109.4	110.0	110.9	111.4
Nondurable goods	105.2	104.6	103.4	104.3	103.9	106.5	105.5	104.4
Services	126.1	132.0	129.6	131.0	132.9	134.3	136.5	137.5
Factor income	129.5	135.3	133.0	134.7	136.2	137.1	139.1	140.7
Other	120.1	126.1	123.6	124.5	126.9	129.3	132.0	132.0
Imports of goods and services	109.5	113.9	112.3	110.0	113.6	120.1	116.4	114.7
Merchandise	103.1	106.2	105.1	101.7	105.5	113.6	108.0	105.1
Durable goods	120.0	121.0	120.4	120.0	120.7	122.5	123.9	122.9
Nondurable goods	85.1	91.3	89.5	83.5	89.9	104.3	91.7	86.7
Services	129.6	136.4	133.6	134.7	137.6	139.5	141.2	142.9
Factor income	128.7	134.4	132.2	133.9	135.4	136.3	138.3	139.9
Other	130.4	137.9	134.6	135.3	139.4	142.0	143.5	145.3

Table 7.15.—Fixed-Weighted Price Indexes for Merchandise Exports and Imports by Type of Product and by End-Use Category, 1982 Weights
[Index numbers, 1982=100]

	1989	1990	Seasonally adjusted					
			1990				1991	
			I	II	III	IV	I	II
Merchandise exports	106.2	107.3	106.4	106.8	107.0	108.5	108.6	108.5
Foods, feeds, and beverages	102.0	96.7	97.0	99.6	96.3	93.8	95.4	97.2
Industrial supplies and materials	104.0	104.8	103.3	102.7	104.2	108.7	106.7	103.2
Durable goods	104.5	104.0	103.7	102.8	104.8	104.5	106.0	103.7
Nondurable goods	103.8	105.2	103.2	102.7	104.0	110.3	106.9	103.0
Capital goods, except autos	104.7	107.7	106.9	107.5	107.7	108.4	109.0	110.2
Autos	120.1	122.5	121.9	122.5	122.6	123.0	125.1	125.7
Consumer goods	116.1	119.5	117.8	119.3	119.4	121.4	122.9	124.7
Durable goods	108.6	110.3	109.4	111.1	110.0	110.7	112.3	113.6
Nondurable goods	121.9	126.8	124.5	125.8	126.7	129.8	131.2	133.4
Other	106.1	107.7	106.6	107.5	107.6	109.2	109.1	109.3
Durable goods	103.8	105.4	104.2	105.2	105.3	106.8	106.7	107.0
Nondurable goods	108.4	110.1	108.9	109.9	109.9	111.5	111.5	111.7
Merchandise imports	103.1	106.2	105.1	101.7	105.5	113.6	108.0	105.1
Foods, feeds, and beverages	105.0	106.8	105.0	104.6	108.5	109.4	108.2	109.0
Industrial supplies and materials, excluding petroleum	108.1	105.8	106.5	105.9	105.5	105.6	107.3	106.1
Durable goods	107.6	103.6	103.2	103.7	104.3	103.3	103.2	102.5
Nondurable goods	108.6	108.1	109.8	108.0	106.7	107.9	111.4	109.7
Petroleum and products	54.3	65.2	61.9	50.2	62.2	90.4	63.9	54.7
Capital goods, except autos	116.3	119.0	118.1	118.0	119.1	121.2	122.5	121.1
Autos	134.7	136.1	135.9	134.2	135.4	139.0	141.4	141.3
Consumer goods	126.0	129.0	128.2	129.1	128.7	130.2	130.8	129.4
Durable goods	121.2	123.4	123.2	123.4	122.5	124.4	125.7	124.2
Nondurable goods	132.8	137.1	135.2	137.1	137.6	138.4	138.0	136.7
Other	121.3	122.6	121.9	121.7	122.6	124.1	125.4	124.1
Durable goods	121.3	122.6	121.9	121.7	122.6	124.1	125.4	124.1
Nondurable goods	121.3	122.6	121.9	121.7	122.6	124.1	125.4	124.1

Table 7.17.—Fixed-Weighted Price Indexes for National Defense Purchases of Goods and Services, 1982 Weights
[Index numbers, 1982=100]

	1989	1990	Seasonally adjusted					
			1990				1991	
			I	II	III	IV	I	II
National defense purchases	121.8	127.1	125.6	126.0	127.2	129.6	131.7	131.5
Durable goods	110.9	111.4	111.0	110.6	111.3	112.6	113.4	113.6
Military equipment	112.2	112.4	111.9	112.0	112.3	113.4	114.8	114.8
Aircraft	106.9	106.1	105.9	105.8	105.2	107.6	108.6	108.3
Missiles	115.3	111.8	112.3	111.2	112.5	111.1	114.4	113.4
Ships	131.7	134.4	133.1	133.7	135.1	135.5	136.9	137.5
Vehicles	91.1	94.1	92.3	93.9	94.8	95.3	96.3	97.8
Electronic equipment	111.1	111.7	111.7	111.6	111.7	111.9	112.6	112.7
Other	115.4	118.2	117.0	117.9	118.3	119.7	120.8	121.4
Other durable goods	105.4	106.8	107.1	104.3	106.9	108.7	107.3	108.3
Nondurable goods	76.0	87.5	80.9	79.2	85.8	104.2	91.5	80.8
Petroleum products	59.7	75.7	65.9	63.5	73.6	99.9	81.3	65.1
Ammunition	102.3	102.7	103.5	103.4	102.1	101.8	102.7	103.6
Other nondurable goods	119.0	122.9	121.9	121.7	121.9	126.1	124.3	124.6
Services	130.7	137.2	135.8	136.6	137.6	138.8	142.9	143.6
Compensation of employees	132.8	139.6	138.8	139.6	139.7	140.2	145.8	146.7
Military	131.9	138.7	138.0	138.8	138.8	139.0	144.4	145.3
Civilian	134.6	141.4	140.4	141.2	141.5	142.6	148.7	149.8
Other services	126.6	132.6	129.9	130.8	133.5	136.0	137.1	137.5
Contractual research and development	124.7	128.9	126.9	127.8	129.8	131.1	133.0	134.9
Installation support ¹	133.2	139.3	136.3	137.1	141.2	142.6	143.1	142.9
Weapons support ²	122.0	126.2	124.8	125.8	125.9	128.1	129.1	130.7
Personnel support ³	163.3	178.6	171.6	173.0	180.2	189.5	189.0	183.2
Transportation of materiel	91.4	95.8	93.8	94.0	95.8	99.5	102.5	101.4
Travel of persons	110.3	119.1	116.2	117.5	118.9	123.6	123.0	123.7
Other .....	.....	.....	.....	.....	.....	.....	.....	.....
Structures	128.9	133.3	131.7	131.7	134.8	135.0	136.3	136.7
Military facilities	130.2	135.9	133.9	133.6	137.8	138.4	140.4	141.1
Other	126.9	129.3	128.5	128.8	130.2	129.8	130.3	130.1

1. Includes utilities, communications, rental payments, maintenance and repair, and payments to contractors to operate installations.
2. Includes depot maintenance and contractual services for weapons systems.
3. Includes compensation of foreign personnel, consulting, training, and education.

Table 7.16.—Fixed-Weighted Price Indexes for Government Purchases of Goods and Services by Type, 1982 Weights
[Index numbers, 1982=100]

	1989	1990	Seasonally adjusted					
			1990				1991	
			I	II	III	IV	I	II
Government purchases of goods and services	130.6	136.5	134.4	135.5	137.0	139.0	140.7	141.4
Federal	122.4	127.3	125.8	126.5	127.5	129.2	131.5	131.6
National defense	121.8	127.1	125.6	126.0	127.2	129.6	131.7	131.5
Durable goods	110.9	111.4	111.0	110.6	111.3	112.6	113.4	113.6
Nondurable goods	76.0	87.5	80.9	79.2	85.8	104.2	91.5	80.8
Services	130.7	137.2	135.8	136.6	137.6	138.8	142.9	143.6
Compensation of employees	132.8	139.6	138.8	139.6	139.7	140.2	145.8	146.7
Military	131.9	138.7	138.0	138.8	138.8	139.0	144.4	145.3
Civilian	134.6	141.4	140.4	141.2	141.5	142.6	148.7	149.8
Other services	126.6	132.6	129.9	130.8	133.5	136.0	137.1	137.5
Structures	128.9	133.3	131.7	131.7	134.8	135.0	136.3	136.7
Nondefense	123.9	127.6	126.6	127.6	128.0	128.3	131.2	131.9
Durable goods	104.5	107.7	106.4	107.1	108.0	109.3	110.3	110.2
Nondurable goods .....	.....	.....	.....	.....	.....	.....	.....	.....
Commodity Credit Corporation inventory change .....	.....	.....	.....	.....	.....	.....	.....	.....
Other nondurables	104.7	106.9	105.0	107.8	104.5	110.2	103.7	105.4
Services	130.4	136.1	134.6	135.6	136.5	137.5	141.7	142.8
Compensation of employees	134.5	140.7	139.6	140.4	140.8	141.8	148.0	148.8
Other services	124.0	128.9	126.8	128.1	129.7	130.9	132.0	133.4
Structures	119.8	123.3	122.2	122.7	123.7	124.4	125.2	126.0
State and local	136.7	143.3	140.8	142.1	144.0	146.3	147.4	148.6
Durable goods	117.4	120.4	119.2	119.9	121.0	121.7	123.2	123.5
Nondurable goods	103.7	110.2	107.2	105.5	110.3	117.6	110.6	107.8
Services	143.8	151.4	148.6	150.4	152.3	154.4	156.6	158.4
Compensation of employees	145.3	153.1	150.1	152.1	154.1	156.2	158.2	160.2
Other services	137.2	143.8	141.7	142.9	144.1	146.5	149.2	150.2
Structures	123.3	124.8	124.6	124.7	124.9	125.5	126.2	126.2

Table 7.18.—Current-Dollar Cost and Profit per Unit of Constant-Dollar Gross Domestic Product of Nonfinancial Corporate Business
[Dollars]

	1989	1990	Seasonally adjusted					
			1990				1991	
			I	II	III	IV	I	II
Current-dollar cost and profit per unit of constant-dollar gross domestic product¹	1.140	1.178	1.161	1.175	1.185	1.191	1.208	.....
Capital consumption allowances with capital consumption adjustment .....	.127	.132	.130	.131	.133	.136	.140	.....
Net domestic product	1.013	1.046	1.031	1.044	1.052	1.055	1.068	.....
Indirect business tax and nontax liability plus business transfer payments less subsidies .....	.109	.116	.113	.113	.117	.119	.124	.....
Domestic income .....	.904	.930	.918	.931	.935	.936	.944	.....
Compensation of employees .....	.760	.791	.777	.787	.797	.804	.814	.....
Corporate profits with inventory valuation and capital consumption adjustments .....	.096	.088	.090	.094	.087	.080	.079	.....
Profits tax liability .....	.041	.038	.038	.039	.040	.037	.032	.....
Profits after tax with inventory valuation and capital consumption adjustments .....	.056	.049	.052	.055	.047	.043	.047	.....
Net interest .....	.048	.051	.051	.051	.051	.052	.052	.....

1. Equals the deflator for gross domestic product of nonfinancial corporate business with the decimal point shifted two places to the left.

Table 8.1.—Percent Change From Preceding Period in Selected Series
[Percent]

	1989	1990	Seasonally adjusted at annual rates						1989	1990	Seasonally adjusted at annual rates							
			1990				1991				1990				1991			
			I	II	III	IV	I	II			I	II	III	IV	I	II		
Gross national product:																		
Current dollars	6.7	5.1	6.7	5.1	5.3	.9	2.2	4.6	6.6	7.1	10.7	6.2	6.2	11.4	3.1	2.8		
1982 dollars	2.5	1.0	1.7	.4	1.4	-1.6	-2.8	.4	2.3	2.8	2.9	6.2	1.2	4.7	-1.3	2.1		
Implicit price deflator	4.1	4.1	4.8	4.7	3.7	2.8	5.2	3.9	4.2	4.1	7.6	0	4.6	6.4	4.5	6		
Chain price index	4.3	4.3	6.1	4.1	3.7	3.6	5.2	3.1	4.4	4.2	7.5	3.0	4.6	6.5	4.6	1.8		
Fixed-weighted price index	4.5	4.6	6.6	3.9	4.2	4.7	5.2	3.0	4.7	4.5	7.2	3.0	4.6	6.1	4.8	2.0		
Personal consumption expenditures:																		
Current dollars ¹	6.5	6.0	8.2	3.9	8.0	3.5	1.9	6.1	5.2	6.0	11.1	11.5	3.7	11.6	5.8	2.7		
1982 dollars	1.9	.9	1.1	.2	2.7	-3.4	-1.5	3.6	2.1	2.6	4	16.4	.1	4.6	-5	5.0		
Implicit price deflator	4.6	5.0	6.8	3.6	5.4	6.9	3.5	2.6	3.0	3.3	10.7	-4.2	3.3	7.0	6.2	-2.2		
Chain price index	4.7	4.9	6.8	3.4	5.2	6.5	3.4	2.8	3.6	3.4	10.3	2.3	3.0	6.4	7.3	.2		
Fixed-weighted price index	4.8	5.2	7.4	3.1	5.7	7.1	3.3	2.6	4.2	4.0	9.5	2.0	3.1	5.7	7.2	.2		
Durable goods:																		
Current dollars	3.7	1.2	19.0	-10.7	3.3	-11.0	-10.8	6.2	1.3	4.2	11.1	3.2	3.9	16.8	7.9	-6.9		
1982 dollars	2.3	-1	14.4	-9.5	2.6	-12.3	-11.7	5.2	-1.7	.9	-1.7	3.3	2.7	12.1	2.7	-9.2		
Implicit price deflator	1.4	1.4	4.0	-1.4	.7	1.4	1.1	1.1	3.1	3.1	13.3	-3	1.3	4.0	5.0	2.6		
Chain price index	2.0	1.9	3.7	.2	.5	2.4	3.5	1.6	3.3	3.4	10.9	2.0	3.4	7.7	5.8	-8		
Fixed-weighted price index	2.1	2.2	4.4	.5	.6	2.5	4.3	1.9	3.8	4.4	11.2	1.4	4.0	7.7	6.4	-6		
Nondurable goods:																		
Current dollars	6.6	5.6	9.3	1.5	9.1	3.7	-1.1	1.8	19.0	11.6	11.2	39.1	3.2	-2.1	0	35.1		
1982 dollars	1.2	-1.0	-3.2	-1.9	2.3	-6.5	-1.8	1.0	16.6	8.0	7.5	67.4	-7.0	-15.4	-10.0	63.3		
Implicit price deflator	5.3	6.7	12.8	3.5	6.7	10.8	.9	.6	2.1	3.2	3.4	-16.8	10.9	16.1	10.9	-17.4		
Chain price index	5.4	6.6	12.9	3.0	7.0	10.6	1.0	1.4	4.9	3.3	8.6	3.3	2.0	2.8	11.6	3.1		
Fixed-weighted price index	5.7	6.8	13.2	2.0	7.7	11.5	.5	1.5	5.4	3.0	5.5	3.5	1.0	1.1	9.1	2.3		
Services:																		
Current dollars ¹	7.3	7.5	4.9	9.5	8.6	7.0	6.9	8.7	7.4	7.8	10.5	3.1	7.7	11.3	1.4	2.9		
1982 dollars	2.4	2.6	.1	5.1	3.0	1.8	2.1	4.8	2.4	3.0	4.8	-6	2.0	4.9	-1.9	0		
Implicit price deflator	4.8	4.8	4.8	4.2	5.3	5.2	4.6	3.7	5.0	4.6	5.4	3.5	5.5	6.0	3.4	3.1		
Chain price index	4.9	4.7	4.1	4.5	5.4	5.0	4.8	4.7	5.0	4.8	5.7	3.4	5.6	6.6	2.9	2.8		
Fixed-weighted price index	4.8	4.7	4.3	4.4	5.5	5.1	5.1	3.6	5.0	4.8	5.7	3.7	5.6	6.4	3.2	3.2		
Gross private domestic investment:																		
Current dollars	3.2	-3.9	-7.9	6.5	4	-28.6	-20.2	1.9	1.9	5	5	1.3	1.6	-5.1	-4.3	2.9		
1982 dollars	1.6	-3.9	-4.7	0	-2.1	-21.4	-18.4	1.4	4.4	4.4	6.5	2.9	4.7	5.8	3.6	2.4		
Implicit price deflator									4.6	4.7	7.0	2.9	5.1	6.3	3.7	2.4		
Chain price index																		
Fixed-weighted price index																		
Fixed investment:																		
Current dollars	3.1	.4	12.0	-6.8	2.8	-11.0	-17.9	-1.6	2.5	1.6	3.8	-7	1.9	1.4	-2.9	.1		
1982 dollars	1.6	-1	7.6	-5.3	.6	-5.4	-18.5	-9	4.3	4.3	6.1	4.1	3.7	3.7	5.1	3.1		
Implicit price deflator	1.4	.6	4.2	-4	1.9	-5.8	.8	.7	4.5	4.6	6.5	3.8	4.2	4.7	5.1	3.0		
Chain price index	3.2	2.2	3.7	.6	2.0	1.8	2.4	.7	4.3	4.3	6.1	4.1	3.7	3.7	5.1	3.1		
Fixed-weighted price index	3.4	2.7	4.2	1.3	2.5	2.8	3.2	1.3	4.5	4.6	6.5	3.8	4.2	4.7	5.1	3.0		
Nonresidential:																		
Current dollars	4.8	2.4	9.1	-5.0	13.2	-6.4	-14.7	-4.3	1.9	1.1	2.5	.2	2.1	-2.2	-4.4	2.6		
1982 dollars	3.9	1.8	5.0	-4.7	8.9	.1	-16.3	-2.3	4.4	4.4	6.5	2.9	4.6	5.8	3.5	2.4		
Implicit price deflator	1.0	.5	3.6	0	4.0	-6.5	2.0	-2.3	4.6	4.7	6.9	2.9	5.1	6.3	3.6	2.3		
Chain price index	3.0	2.5	3.8	.8	1.8	2.9	3.4	.2	4.6	4.7	6.9	2.9	5.1	6.3	3.6	2.3		
Fixed-weighted price index	3.4	3.0	4.4	1.6	2.5	3.9	4.3	1.0										
Structures:																		
Current dollars	4.5	.5	4.7	-4.2	7.3	-19.0	-7.1	-9	2.4	.7	1.8	.8	.4	-2.7	-3.7	1.1		
1982 dollars	0	-1.2	2.3	-9.0	5.1	-18.2	-9.0	-4.5	4.0	3.9	4.2	4.8	3.8	1.9	4.7	4.0		
Implicit price deflator	4.5	1.8	2.4	5.4	2.0	-1.0	2.0	3.6	2.1	3.9	4.2	4.8	3.8	1.9	4.7	4.0		
Chain price index	3.5	2.5	3.0	1.6	3.1	1.5	2.0	1.2	2.4	3.9	4.2	4.8	3.8	1.9	4.7	4.0		
Fixed-weighted price index	3.0	2.1	2.8	1.9	2.9	2.2	2.5	1.3										
Producers' durable equipment:																		
Current dollars	5.0	3.1	11.0	-5.2	15.7	-1.1	-17.4	-5.5	2.1	.3	1.5	1.1	.5	-3.3	-4.5	1.3		
1982 dollars	5.2	2.8	5.7	-3.3	10.2	6.3	-18.4	-1.6	3.9	3.9	3.5	4.8	4.1	2.5	4.3	3.7		
Implicit price deflator	-2	.3	5.2	-2.1	5.1	-7.3	1.3	-3.7	2.8	2.5	4.1	.6	1.4	3.3	3.9	-2		
Chain price index	2.8	2.5	4.1	.6	1.4	3.3	3.9	-2	3.6	3.5	5.4	1.4	2.2	4.9	5.4	.9		
Fixed-weighted price index	3.6	3.5	5.4	1.4	2.2	4.9	5.4	.9										
Residential:																		
Current dollars	-6	-3.9	18.9	-11.0	-18.2	-21.4	-25.7	5.8	7.1	5.9	9.6	4.0	4.5	3.3	2.0	3.7		
1982 dollars	-4.1	-5.5	15.1	-11.2	-19.8	-20.6	-25.3	3.7	2.4	.9	2.5	.3	-7	-3.5	-1.5	1.2		
Implicit price deflator	3.5	1.6	3.3	0	2.3	-9	-6	1.9	3.6	1.7	3.3	.1	2.3	-9	-4	2.3		
Chain price index	3.6	1.7	3.3	.1	2.3	-9	-4	2.3	3.6	1.8	3.5	.3	2.4	-6	-3	2.3		
Fixed-weighted price index	3.6	1.8	3.5	.3	2.4	-6	-3	2.3										
Exports of goods and services:																		
Current dollars ¹	13.4	7.4	12.0	-1.0	8.1	15.5	-1.7	3.1	13.4	6.4	11.2	-5.0	6.9	11.0	.5	3.7		
1982 dollars	11.0	6.4	11.2	-5.0	6.9	11.0	.5	3.7	2.2	.9	.8	4.2	1.1	4.2	-2.2	-7		
Implicit price deflator	2.2	.9	.8	4.2	1.1	4.2	-2.2	-7	2.3	2.3	4.7	2.6	2.7	4.6	3.2	.3		
Chain price index	2.3	2.3	4.7	2.6	2.7	4.6	3.2	.3	2.7	2.6	5.0	3.4	2.6	5.0	3.4	1.1		
Fixed-weighted price index	2.7	2.6	5.0	3.4	2.6	5.0	3.4	1.1										
Imports of goods and services:																		
Current dollars ¹	7.4	4.7	8.0	-3.8	18.4	7.0	-22.7	5.7	6.0	2.8	2.5	.7	7.6	-11.8	-8.8	21.2		
1982 dollars	6.0	2.8	2.5	.7	7.6	-11.8	-8.8	21.2	1.3	1.9	5.6	-4.5	10.1	21.2	-15.0	-12.9		
Implicit price deflator	1.3	1.9	5.6	-4.5	10.1	21.2	-15.0	-12.9	3.2	3.4	7.8	-6.3	10.7	22.1	-8.5	-5.6		
Chain price index	3.2	3.4	7.8	-6.3	10.7	22.1	-8.5	-5.6	3.6	4.0	9.2	-7.0	12.6	24.9	-11.8	-5.9		
Fixed-weighted price index	3.6	4.0	9.2	-7.0	12.6	24.9	-11.8	-5.9										

1. Percent changes for 1986 and the first quarter of 1986 reflect discontinuities in the series.
NOTE.—The fixed-weighted price index and the chain price index, both of which are weighted averages of the detailed prices used in the deflation of GNP, are measures of price change. In calculating changes in these indexes, the composition of GNP is held constant. Consequently these changes reflect only changes in prices. The fixed-weighted price index measures price change over any period, using as weights the composition of GNP in 1982. The chain price index measures price change between two consecutive periods, using as weights

the composition of GNP in the first period. The implicit price deflator is a byproduct of the deflation of GNP. It is derived as the ratio of current- to constant-dollar GNP (multiplied by 100). It is the average of the detailed prices used in the deflation of GNP, but the prices are weighted by the composition of GNP in each period. Consequently, the implicit price deflator reflects not only changes in prices but also changes in the composition of GNP, and its use as a measure of price change should be avoided.

Selected Annual NIPA Tables, 1989-90

A complete set of annual national income and product accounts (NIPA) tables is usually published this month in conjunction with an annual revision of the NIPAs. This year, the annual revision covering 1988-90 will be combined with the upcoming comprehensive NIPA revision scheduled for release in November 1991 (see the box on page 4). The following tables present the annual estimates (other than those that appear each month in the "Selected NIPA Tables"), on an unrevised basis, that are available for 1990. (Other estimates for 1990 will not be available until the comprehensive revision.) The tables also show the annual estimates for 1989, which are the same as those published in the July 1990 SURVEY.

Table 1.12.—Net National Product and National Income by Sector

[Billions of dollars]

	Line	1989	1990
Net national product	1	4,646.4	4,889.5
Net domestic product	2	4,608.8	4,847.8
Business	3	3,863.7	4,043.6
Nonfarm	4	3,812.6	3,972.6
Nonfarm less housing	5	3,503.9	3,636.3
Housing	6	308.7	336.3
Farm	7	68.1	72.8
Statistical discrepancy	8	-17.0	-1.7
Households and institutions	9	203.6	224.8
Government	10	541.6	579.4
Rest of the world	11	37.6	41.7
National income	12	4,223.3	4,418.4
Domestic income	13	4,185.7	4,376.7
Business	14	3,440.6	3,572.5
Nonfarm	15	3,367.3	3,497.1
Nonfarm less housing	16	3,127.4	3,234.3
Housing	17	239.9	262.8
Farm	18	73.3	75.4
Households and institutions	19	203.6	224.8
Government	20	541.6	579.4
Rest of the world	21	37.6	41.7

Table 1.13.—Net National Product and National Income by Sector in Constant Dollars

[Billions of 1982 dollars]

	Line	1989	1990
Net national product	1	3,611.7	3,637.6
Net domestic product	2	3,581.6	3,605.7
Business	3	3,051.9	3,061.4
Nonfarm	4	3,003.4	2,998.6
Nonfarm less housing	5	2,805.4	2,794.6
Housing	6	198.0	203.9
Farm	7	62.3	64.2
Statistical discrepancy	8	-13.8	-1.3
Households and institutions	9	146.2	154.5
Government	10	383.5	389.7
Rest of the world	11	30.2	31.9
National income	12	3,292.1	3,305.6
Domestic income	13	3,262.0	3,273.7
Business	14	2,732.3	2,729.4
Nonfarm	15	2,671.2	2,666.2
Nonfarm less housing	16	2,526.3	2,516.3
Housing	17	144.8	149.9
Farm	18	61.2	63.2
Households and institutions	19	146.2	154.5
Government	20	383.5	389.7
Rest of the world	21	30.2	31.9

Table 2.4.—Personal Consumption Expenditures by Type of Expenditure
[Billions of dollars]

	Line	1989	1990		Line	1989	1990
Personal consumption expenditures¹	1	3,450.1	3,657.3	Personal business	55	243.1	254.9
Food and tobacco	2	636.9	669.8	Brokerage charges and investment counseling (s.)	56	19.2	19.8
Food purchased for off-premise consumption (n.d.)	3	395.4	415.0	Bank service charges, trust services, and safe deposit box rental (s.)	57	17.5	19.5
Purchased meals and beverages ² (n.d.)	4	188.8	197.8	Services furnished without payment by financial intermediaries except life insurance carriers and private noninsured pension plans (s.)	58	90.3	91.6
Food furnished employees (including military) (n.d.)	5	10.5	11.3	Expense of handling life insurance ¹⁸ (s.)	59	45.7	47.3
Food produced and consumed on farms (n.d.)	6	.6	.6	Legal services (s.)	60	42.9	47.5
Tobacco products (n.d.)	7	41.7	45.1	Funeral and burial expenses (s.)	61	7.9	8.5
Addenda: Food excluding alcoholic beverages (n.d.)	8	529.8	557.0	Other ¹⁹ (s.)	62	19.5	20.8
Alcoholic beverages purchased for off-premise consumption (n.d.)	9	39.6	41.3	Transportation	63	425.7	443.4
Other alcoholic beverages (n.d.)	10	25.9	26.5	User-operated transportation	64	387.6	403.6
Clothing, accessories, and jewelry	11	257.8	271.3	New autos (d.)	65	99.7	96.1
Shoes (n.d.)	12	29.8	31.0	Net purchases of used autos (d.)	66	41.6	43.7
Clothing and accessories except shoes ³	13	174.7	182.1	Other motor vehicles (d.)	67	41.7	39.1
Women's and children's (n.d.)	14	116.5	121.2	Tires, tubes, accessories, and other parts (d.)	68	32.5	34.1
Men's and boys' (n.d.)	15	58.2	61.0	Repair, greasing, washing, parking, storage, and rental (s.)	69	69.6	76.8
Standard clothing issued to military personnel (n.d.)	16	.1	.1	Gasoline and oil (n.d.)	70	83.8	93.8
Cleaning, storage, and repair of clothing and shoes (s.)	17	11.9	13.0	Bridge, tunnel, ferry, and road tolls (s.)	71	1.7	1.9
Jewelry and watches (d.)	18	27.4	28.6	Insurance premiums less claims paid (s.)	72	17.0	18.2
Other ⁴ (s.)	19	13.9	16.5	Purchased local transportation	73	8.9	9.3
Personal care	20	52.3	56.7	Transit systems (s.)	74	4.3	4.5
Toilet articles and preparations (n.d.)	21	29.7	31.5	Taxicab (s.)	75	3.9	4.1
Barbershops, beauty parlors, baths, and health clubs (s.)	22	22.6	25.2	Railway (commutation) (s.)	76	.7	.7
Housing	23	533.9	569.5	Purchased intercity transportation	77	29.2	30.4
Owner-occupied nonfarm dwellings—space rent ⁵ (s.)	24	361.7	387.0	Railway (excluding commutation) (s.)	78	.9	1.0
Tenant-occupied nonfarm dwellings—rent ⁶ (s.)	25	141.2	149.4	Bus (s.)	79	1.3	1.1
Rental value of farm dwellings (s.)	26	10.3	10.4	Airline (s.)	80	24.2	25.2
Other ⁷ (s.)	27	20.7	22.7	Other ²⁰ (s.)	81	2.8	3.1
Household operation	28	404.9	417.0	Recreation	82	264.4	281.3
Furniture, including mattresses and bedspings (d.)	29	33.6	33.8	Books and maps (d.)	83	11.4	12.5
Kitchen and other household appliances ⁸ (d.)	30	29.4	30.9	Magazines, newspapers, and sheet music (n.d.)	84	18.5	20.2
China, glassware, tableware, and utensils (d.)	31	18.0	18.8	Nondurable toys and sport supplies (n.d.)	85	30.2	32.3
Other durable house furnishings ⁹ (d.)	32	39.2	40.3	Wheel goods, durable toys, sports equipment, boats, and pleasure aircraft (d.)	86	36.2	36.4
Semidurable house furnishings ¹⁰ (n.d.)	33	18.7	19.4	Radio and television receivers, records, and musical instruments (d.)	87	31.1	32.6
Cleaning and polishing preparations, and miscellaneous household supplies and paper products (n.d.)	34	32.8	34.3	Radio and television repair (s.)	88	4.2	4.6
Stationery and writing supplies (n.d.)	35	9.3	9.7	Flowers, seeds, and potted plants (n.d.)	89	8.1	8.1
Household utilities	36	139.3	141.1	Admissions to specified spectator amusements	90	13.4	14.4
Electricity (s.)	37	68.7	70.0	Motion picture theaters (s.)	91	5.0	5.2
Gas (s.)	38	29.0	26.3	Legitimate theaters and opera, and entertainments of nonprofit institutions (except athletics) (s.)	92	4.9	5.5
Water and other sanitary services (s.)	39	23.9	26.3	Spectator sports ²¹ (s.)	93	3.5	3.7
Fuel oil and coal (n.d.)	40	17.7	18.5	Clubs and fraternal organizations except insurance ²² (s.)	94	6.3	6.8
Telephone and telegraph (s.)	41	48.7	51.1	Commercial participant amusements ²³ (s.)	95	20.2	22.2
Domestic service (s.)	42	10.1	10.6	Parimutuel net receipts (s.)	96	2.8	3.0
Other ¹¹ (s.)	43	25.9	26.9	Other ²⁴ (s.)	97	61.9	68.3
Medical care	44	483.5	536.1	Private education and research	98	64.3	68.6
Drug preparations and sundries ¹² (n.d.)	45	36.4	39.2	Higher education ²⁵ (s.)	99	20.9	22.1
Ophthalmic products and orthopedic appliances (d.)	46	12.8	13.5	Elementary and secondary schools ²⁵ (s.)	100	18.6	19.9
Physicians (s.)	47	113.0	123.8	Other ²⁶ (s.)	101	24.9	26.6
Dentists (s.)	48	29.0	31.4	Religious and welfare activities²⁷ (s.)	102	82.9	91.7
Other professional services ¹³ (s.)	49	61.7	72.5	Foreign travel and other, net¹	103	.4	-3.1
Privately controlled hospitals and sanitariums ¹⁴ (s.)	50	201.1	224.6	Foreign travel by U.S. residents ²⁸ (s.)	104	38.9	43.0
Health insurance	51	29.6	31.1	Expenditures abroad by U.S. residents (n.d.)	105	4.0	4.1
Medical care and hospitalization ¹⁵ (s.)	52	23.5	25.8	Less: Expenditures in the United States by foreigners ²⁹ (s.)	106	42.1	49.7
Income loss ¹⁶ (s.)	53	2.9	3.2	Less: Personal remittances in kind to foreigners (n.d.)	107	.5	.5
Workers' compensation ¹⁷ (s.)	54	3.2	2.1				

- See footnotes 28 and 29.
- Consists of purchases (including tips) of meals and beverages from retail, service, and amusement establishments, hotels, dining and buffet cars, schools, school fraternities, institutions, clubs, and industrial lunchrooms.
- Includes luggage.
- Consists of watch, clock, and jewelry repairs, costume and dress suit rental, and miscellaneous personal services related to clothing.
- Consists of rent for space and for heating and plumbing facilities, water heaters, lighting fixtures, kitchen cabinets, linoleum, storm windows and doors, window screens, and screen doors, but excludes rent for appliances, furniture, fuel, and electricity.
- Consists of space rent (see footnote 5) and rent for appliances, furnishings, and furniture.
- Consists of transient hotels, motels, clubs, schools, and other group housing.
- Consists of refrigerators and freezers, cooking ranges, dishwashers, laundry equipment, stoves, air conditioners, sewing machines, vacuum cleaners, and other appliances.
- Includes such house furnishings as floor coverings, comforters, quilts, blankets, pillows, picture frames, mirrors, art products, portable lamps, and clocks. Also includes writing equipment and hand, power, and garden tools.
- Consists largely of textile house furnishings including piece goods allocated to house furnishing use. Also includes lamp shades, brooms, and brushes.
- Consists of maintenance services for appliances and house furnishings, moving and warehouse expenses, postage and express charges, premiums for fire and theft insurance on personal property less claims paid, and miscellaneous household operation services.
- Excludes drug preparations and related products dispensed by physicians, hospitals, and other medical services.
- Consists of osteopathic physicians, chiropractors, private duty nurses, chiropractors, podiatrists, and others providing health and allied services, not elsewhere classified.
- Consists of (1) current expenditures (including capital consumption allowances with capital consumption adjustment) of nonprofit hospitals, sanitariums, and nursing homes, and (2) payments by patients to proprietary hospitals, sanitariums, and nursing homes.
- Consists of (1) premiums, less benefits and dividends, for health, hospitalization, and accidental death and dismemberment insurance provided by commercial insurance carriers, and (2) administrative expenses (including capital consumption allowances with capital consumption adjustment) of Blue Cross and Blue Shield plans and of other independent prepaid and self-insured health plans.
- Consists of premiums, less benefits and dividends, for income loss insurance.

- Consists of premiums, less benefits and dividends, for privately administered workers' compensation.
- Consists of (1) operating expenses of life insurance carriers and private noninsured pension plans, and (2) premiums, less benefits and dividends, of fraternal benefit societies. Excludes expenses allocated by commercial carriers to accident and health insurance.
- Consists of current expenditures (including capital consumption allowances with capital consumption adjustment) of trade unions and professional associations, employment agency fees, money order fees, spending for classified advertisements, and other personal business services.
- Consists of baggage charges, coastal and inland waterway fares, travel agents' fees, and airport bus fares.
- Consists of admissions to professional and amateur athletic events and to racetracks including horse, dog, and auto.
- Consists of dues and fees excluding insurance premiums.
- Consists of billiard parlors; bowling alleys; dancing, riding, shooting, skating, and swimming places; amusement devices and parks; golf courses; sightseeing buses and guides; private flying operations; and other commercial participant amusements.
- Consists of net receipts of lotteries and expenditures for purchases of pets and pet care services, cable TV, film processing, photographic studios, sporting and recreation camps, and recreational services, not elsewhere classified.
- Equals current expenditures (including capital consumption allowances with capital consumption adjustment) less receipts—such as those from meals, rooms, and entertainments—accounted for separately in consumer expenditures, and less expenditures for research and development financed under contracts or grants.
- Consists of (1) fees paid to commercial, business, trade, and correspondence schools and for educational services, not elsewhere classified, and (2) current expenditures (including capital consumption allowances with capital consumption adjustment) by research organizations and foundations for education and research.
- Equals current expenditures (including capital consumption allowances with capital consumption adjustment) of religious, social welfare, foreign relief, and political organizations, museums, libraries, and foundations. The expenditures are net of receipts—such as those from meals, rooms, and entertainments—accounted for separately in consumer expenditures, and excludes relief payments within the United States and expenditures by foundations for education and research.
- Estimates beginning with 1986 cover U.S. students' expenditures abroad and incorporate new data on travel and passenger fares and thus are not comparable with earlier estimates.
- Estimates beginning with 1986 cover foreign students' expenditures in the United States and incorporate new data on travel and passenger fares and thus are not comparable with earlier estimates.

NOTE—Consumer durable goods are designated (d.), nondurable goods (n.d.), and services (s.).

Table 2.5.—Personal Consumption Expenditures by Type of Product in Constant Dollars
[Billions of 1982 dollars]

	Line	1989	1990
Personal consumption expenditures ¹	1	2,656.8	2,681.6
Durable goods	2	428.0	427.4
Motor vehicles and parts	3	181.4	177.7
New autos (65)	4	81.5	77.4
Net purchases of used autos (66)	5	33.6	35.6
Other motor vehicles (67)	6	33.9	30.8
Tires, tubes, accessories, and other parts (68)	7	32.4	33.8
Furniture and household equipment	8	175.0	179.3
Furniture, including mattresses and bedspreads (29)	9	28.8	28.5
Kitchen and other household appliances (30)	10	29.1	30.6
China, glassware, tableware, and utensils (31)	11	16.0	16.2
Radio and television receivers, records, and musical instruments (87)	12	67.5	70.6
Other durable house furnishings (32)	13	33.6	33.6
Other	14	71.6	70.4
Ophthalmic products and orthopedic appliances (46)	15	9.7	9.8
Wheel goods, durable toys, sports equipment, boats, and pleasure aircraft (86)	16	31.7	30.9
Jewelry and watches (18)	17	22.0	21.1
Books and maps (83)	18	8.2	8.5
Nondurable goods	19	919.9	911.1
Food	20	462.9	457.4
Food purchased for off-premise consumption (3)	21	314.1	308.4
Purchased meals and beverages (4)	22	140.3	140.4
Food furnished employees (including military) and food produced and consumed on farms (5+6)	23	8.4	8.7
Addenda: Food excluding alcoholic beverages (8)	24	412.4	407.5
Alcoholic beverages purchased for off-premise consumption (9)	25	32.6	32.6
Other alcoholic beverages (10)	26	17.9	17.4
Clothing and shoes	27	172.7	172.6
Shoes (12)	28	25.8	26.2
Women's and children's clothing and accessories except shoes (14)	29	98.2	97.0
Men's and boys' clothing and accessories except shoes (15+16)	30	48.6	49.5
Gasoline and oil (70)	31	96.7	94.8
Fuel oil and coal (40)	32	21.9	19.2
Other	33	165.7	167.1
Tobacco products (7)	34	21.9	21.5
Toilet articles and preparations (21)	35	22.9	23.4
Semidurable house furnishings (33)	36	15.1	15.1
Cleaning and polishing preparations, and miscellaneous household supplies and paper products (34)	37	25.7	25.8
Drug preparations and sundries (45)	38	22.2	22.1
Nondurable toys and sport supplies (85)	39	27.7	28.7
Stationery and writing supplies (35)	40	7.7	7.8
Net foreign remittances (105 less 107)	41	2.1	2.0
Other (84+89)	42	20.4	20.8
Services ¹	43	1,309.0	1,343.1
Housing	44	372.1	377.1
Owner-occupied nonfarm dwellings—space rent (24)	45	249.8	253.6
Tenant-occupied nonfarm dwellings—rent (25)	46	98.0	99.4
Rental value of farm dwellings (26)	47	10.3	10.0
Other (27)	48	13.9	14.0
Household operation	49	167.6	167.8
Electricity (37)	50	57.4	57.2
Gas (38)	51	26.7	24.2
Water and other sanitary services (39)	52	15.7	16.2
Telephone and telegraph (41)	53	38.8	40.5
Domestic service (42)	54	9.4	9.6
Other (43)	55	19.5	20.0
Transportation	56	96.9	100.3
User-operated transportation (69+71+72)	57	64.9	68.2
Purchased local transportation	58	6.8	6.7
Transit systems (74)	59	3.3	3.2
Other (75+76)	60	3.5	3.5
Purchased intercity transportation	61	25.2	25.5
Railway (excluding commutation) (78)	62	.6	.6
Bus (79)	63	.9	.8
Airline (80)	64	21.7	22.0
Other (81)	65	2.0	2.1
Medical care	66	286.1	301.5
Physicians (47)	67	69.9	71.5
Dentists (48)	68	18.5	18.8
Other professional services (49)	69	42.9	47.9
Privately controlled hospitals and sanitariums (50)	70	136.8	144.7
Health insurance (51)	71	17.9	18.6
Other ¹	72	386.4	396.5
Personal care	73	35.7	38.4
Cleaning, storage, and repair of clothing and shoes (17)	74	8.6	8.9
Barbershops, beauty parlors, baths, and health clubs (22)	75	17.1	18.1
Other (19)	76	10.0	11.3
Personal business	77	155.7	155.1
Brokerage charges and investment counseling (56)	78	21.6	20.3
Bank service charges, trust services, and safe deposit box rental (57)	79	10.3	10.7
Services furnished without payment by financial intermediaries except life insurance carriers and private noninsured pension plans (58)	80	50.4	50.0
Other (59+60+61+62)	81	73.3	74.0
Recreation	82	83.7	87.5
Admissions to specified spectator amusements (90)	83	8.8	8.9
Other (88+94+95+96+97)	84	74.8	78.6
Private education and research	85	48.3	49.7
Higher education (99)	86	14.5	14.7
Elementary and secondary schools (100)	87	14.1	14.6
Other (101)	88	19.7	20.5
Religious and welfare activities (102)	89	64.8	69.5
Net foreign travel (104 less 106) ¹	90	-1.8	-3.7

1. See footnotes 28 and 29 to table 2.4.

NOTE.—The figures in parentheses are the line numbers of the corresponding items in table 2.4.

Table 3.1.—Government Receipts and Expenditures
[Billions of dollars]

	Line	1989	1990
Receipts	1	1,684.6	1,778.8
Personal tax and nontax receipts	2	658.8	699.4
Corporate profits tax accruals	3	135.1	132.1
Indirect business tax and nontax accruals	4	414.0	440.3
Contributions for social insurance	5	476.8	506.9
Expenditures	6	1,772.4	1,909.4
Purchases of goods and services	7	1,025.6	1,098.1
Compensation of employees	8	541.6	579.4
Other	9	484.0	518.7
Transfer payments	10	617.8	674.3
To persons	11	604.5	659.7
To foreigners	12	13.4	14.6
Net interest paid	13	131.8	144.7
Interest paid	14	250.7	269.5
To persons and business	15	214.8	230.7
To foreigners	16	36.0	38.8
Less: Interest received by government	17	118.9	124.8
Less: Dividends received by government	18	9.1	10.1
Subsidies less current surplus of government enterprises	19	6.3	2.5
Subsidies	20	28.6	27.7
Less: Current surplus of government enterprises	21	22.3	25.2
Less: Wage accruals less disbursements	22	0	0
Surplus or deficit (-), national income and product accounts	23	-87.8	-130.6
Social insurance funds	24	130.2	133.4
Other	25	-218.0	-264.0

Table 3.4.—Personal Tax and Nontax Receipts
[Billions of dollars]

	Line	1989	1990
Personal tax and nontax receipts	1	658.8	699.4
Federal	2	464.0	492.8
Income taxes	3	453.1	479.1
Withheld	4	370.7	400.8
Declarations and settlements	5	154.2	153.4
Less: Refunds	6	71.8	75.1
Estate and gift taxes	7	9.0	11.7
Nontaxes	8	1.8	2.0
State and local	9	194.8	206.6
Income taxes	10	101.7	106.2
Estate and gift taxes	11	3.7	3.9
Motor vehicle licenses	12	7.6	8.2
Property taxes	13	2.3	2.5
Other taxes	14	1.9	2.1
Nontaxes	15	77.6	83.8
Tuition and related educational charges	16	17.6	.....
Hospital and health charges	17	41.3	.....
Fines	18	6.4	.....
Other	19	12.2	.....

Table 3.5.—Indirect Business Tax and Nontax Accruals
[Billions of dollars]

	Line	1989	1990
Indirect business tax and nontax accruals	1	414.0	440.3
Federal	2	58.4	61.7
Excise taxes	3	34.1	37.3
Liquor	4	5.7	5.8
Tobacco	5	4.2	4.2
Windfall profit tax	6	.....	.....
Other	7	24.2	27.4
Customs duties	8	17.5	17.5
Nontaxes	9	6.8	6.8
State and local	10	355.6	378.6
Sales taxes	11	170.9	181.4
State	12	142.2	151.4
General	13	96.1	102.4
Gasoline	14	18.6	20.1
Liquor	15	3.1	3.3
Tobacco	16	5.4	5.8
Public utilities	17	6.2	6.6
Insurance receipts	18	7.3	7.7
Other	19	5.3	5.5
Local	20	28.8	29.9
General	21	20.0	20.6
Public utilities	22	4.7	4.9
Other	23	4.1	4.4
Property taxes	24	139.9	150.1
Motor vehicle licenses	25	3.3	3.6
Severance taxes	26	4.3	4.5
Other taxes	27	16.3	17.1
Nontaxes	28	20.8	21.9
Rents and royalties	29	12.3	.....
Special assessments	30	2.5	.....
Fines	31	2.2	.....
Other	32	3.8	.....

Table 3.6.—Contributions for Social Insurance
[Billions of dollars]

	Line	1989	1990
Contributions for social insurance	1	476.8	506.9
Employer contributions	2	263.9	280.8
Federal social insurance funds	3	222.7	237.3
Old-age, survivors, disability, and hospital insurance	4	159.1	171.4
Old-age, survivors, and disability insurance	5	127.2	137.7
Hospital insurance	6	31.8	33.6
Unemployment insurance	7	22.6	21.3
State tax	8	17.0	15.6
Federal tax	9	5.2	5.3
Railroad employees	10	.2	.2
Federal employees	11	.3	.4
Federal employee retirement	12	35.8	38.8
Civilian	13	15.1	16.7
Military	14	20.7	22.1
Railroad retirement	15	2.6	2.8
Veterans life insurance	16	0	0
Workers' compensation	17	1.3	1.5
Military medical insurance ¹	18	1.3	1.5
State and local social insurance funds	19	41.2	43.5
State and local employee retirement	20	33.8	35.3
Temporary disability insurance	21	.2	.2
Workers' compensation	22	7.2	7.9
Personal contributions	23	212.8	226.2
Federal social insurance funds	24	197.4	209.4
Old-age, survivors, disability, and hospital insurance	25	177.8	192.2
Employees	26	159.1	171.4
Old-age, survivors, and disability insurance	27	127.2	137.7
Hospital insurance	28	31.9	33.7
Self-employed	29	18.6	20.8
Supplementary medical insurance	30	12.8	10.5
State unemployment insurance	31	.3	.3
Federal civilian employee retirement	32	4.5	4.3
Railroad retirement	33	1.2	1.2
Veterans life insurance	34	.8	.8
State and local social insurance funds	35	15.5	16.8
State and local employee retirement	36	13.2	14.1
Temporary disability insurance	37	2.3	2.7

1. Consists of payments for medical services for dependents of active duty military personnel for medical care at nonmilitary facilities.

Table 3.11.—Government Transfer Payments to Persons
[Billions of dollars]

	Line	1989	1990
Government transfer payments to persons	1	604.5	659.7
Federal	2	458.6	496.8
Benefits from social insurance funds	3	402.1	435.0
Old-age, survivors, and disability insurance	4	227.3	244.1
Hospital and supplementary medical insurance	5	97.9	106.6
Unemployment insurance	6	14.8	18.3
State	7	14.4	17.9
Railroad employees	8	.1	.1
Federal employees	9	.3	.4
Special unemployment benefits	10	0	0
Federal employee retirement	11	50.6	53.8
Civilian ¹	12	29.9	31.7
Military ²	13	20.7	22.1
Railroad retirement	14	7.0	7.2
Veterans life insurance	15	1.8	1.9
Workers' compensation	16	1.4	1.5
Military medical insurance ³	17	1.3	1.5
Veterans benefits	18	15.3	15.9
Pension and disability	19	15.0	15.6
Readjustment	20	.4	.3
Other ⁴	21	.....	.....
Food stamp benefits	22	12.2	14.6
Black lung benefits	23	1.5	1.4
Supplemental security income	24	11.6	12.9
Direct relief	25	.....	.....
Earned income credit	26	4.0	4.5
Other⁵	27	11.9	12.6
State and local	28	145.9	162.9
Benefits from social insurance funds	29	46.9	51.1
State and local employee retirement	30	39.5	43.1
Temporary disability insurance	31	1.8	2.0
Workers' compensation	32	5.6	6.1
Public assistance	33	91.2	103.2
Medical care	34	62.9	72.2
Aid to families with dependent children	35	18.0	19.8
Supplemental security income	36	3.4	3.8
General assistance	37	2.8	3.0
Energy assistance	38	1.5	1.4
Other ⁶	39	2.7	3.0
Education	40	4.8	5.4
Employment and training	41	1.0	1.0
Other⁷	42	2.0	2.2

1. Consists of civil service, foreign service, Public Health Service officers, Tennessee Valley Authority, and several small retirement programs.

2. Includes the Coast Guard.

3. Consists of payments for medical services for dependents of active duty military personnel at nonmilitary facilities.

4. Consists of mustering out pay, terminal leave pay, and adjusted compensation benefits.

5. Consists largely of payments to nonprofit institutions, aid to students, and payments for medical services for retired military personnel and their dependents at nonmilitary facilities.

6. Consists of emergency assistance and medical insurance premium payments paid on behalf of indigents.

7. Consists largely of foster care, veterans benefits, Alaska dividends, and crime victim payments.

Table 3.12.—Subsidies Less Current Surplus of Government Enterprises
[Billions of dollars]

	Line	1989	1990
Subsidies less current surplus of government enterprises	1	6.3	2.5
Federal	2	25.0	22.7
Subsidies	3	27.9	26.9
Agricultural	4	10.9	8.7
Housing	5	15.3	16.6
Maritime	6	.3	.3
Air carriers	7	0	0
Other ¹	8	1.4	1.4
Less: Current surplus of government enterprises	9	2.8	4.2
Postal Service	10	-1.1	-2.6
Commodity Credit Corporation	11	-3.9	-2.2
Federal Housing Administration	12	.5	.7
Tennessee Valley Authority	13	2.5	3.0
Other ²	14	4.8	5.3
State and local	15	-18.8	-20.3
Subsidies	16	.7	.8
Less: Current surplus of government enterprises	17	19.5	21.0
Water and sewerage	18	7.4	.....
Gas and electricity	19	8.2	.....
Toll facilities	20	1.8	.....
Liquor stores	21	.4	.....
Air and water terminals	22	2.6	.....
Housing and urban renewal	23	-1.0	.....
Public transit	24	-7.6	.....
Other ³	25	7.9	.....

1. Consists largely of subsidies to railroads and mass transit systems.

2. Consists largely of Federal Deposit Insurance Corporation, Federal Savings and Loan Insurance Corporation, and Bonneville Power Administration.

3. Consists of State lotteries, off-track betting, local parking, and miscellaneous activities.

Table 3.13.—Social Insurance Funds Receipts and Expenditures
[Billions of dollars]

	Line	1989	1990
Federal			
Receipts	1	474.3	507.6
Contributions for social insurance	2	420.1	446.7
Personal contributions	3	197.4	209.4
Employer contributions	4	222.7	237.3
Government and government enterprises	5	63.3	69.2
Other	6	159.5	168.1
Interest received	7	54.2	60.9
Expenditures	8	410.5	443.6
Administrative expenses (purchases of goods and services)	9	8.4	8.6
Transfer payments to persons	10	402.1	435.0
Surplus or deficit (-)	11	63.8	64.0
State and local			
Receipts	12	115.0	122.4
Contributions for social insurance	13	56.7	60.2
Personal contributions	14	15.5	16.8
Employer contributions	15	41.2	43.5
Government and government enterprises	16	34.7	36.3
Other	17	6.5	7.2
Interest and dividends received	18	58.4	62.2
Expenditures	19	48.7	53.0
Administrative expenses (purchases of goods and services)	20	1.7	1.9
Transfer payments to persons	21	46.9	51.1
Surplus or deficit (-)	22	66.4	69.4

NOTE.—In this table interest and dividends received is included in receipts; in tables 3.1, 3.3, 3.14, 3.16, 3.18, and 9.4, interest received and dividends received are netted against expenditures.

Table 4.5.—Relation of Foreign Transactions in the National Income and Product Accounts (NIPA's) to the Corresponding Items in the Balance of Payments Accounts (BPA's)

(Billions of dollars)

	Line	1989	1990
Exports of goods and services, BPA's	1	606.6	652.9
Less: Gold, BPA's ¹	2	3.0	3.0
Capital gains net of losses in direct investment income receipts, BPA's ²	3	1.6	1.1
Statistical differences ³	4	2.3	1.5
Other items ⁴	5	0	3.2
Plus: Adjustment for U.S. territories and Puerto Rico ⁵	6	19.7	21.6
Services furnished without payment by financial intermediaries except life insurance carriers and private noninsured pension plans.	7	6.8	7.1
Equals: Exports of goods and services, NIPA's	8	626.2	672.8
Imports of goods and services, BPA's	9	697.4	722.7
Less: Payments of income on U.S. Government liabilities ⁶	10	35.9	37.9
Gold, BPA's ¹	11	3.7	2.5
Capital gains net of losses in direct investment income payments, BPA's ²	12	1.6	-1.9
Statistical differences ³	13	-5	-3.8
Other items	14	0	0
Plus: Gold, NIPA's ¹	15	-2.2	-3.2
Adjustment for U.S. territories and Puerto Rico ⁵	16	10.9	12.1
Imputed interest paid to foreigners	17	6.8	7.1
Equals: Imports of goods and services, NIPA's	18	672.3	704.0
Balance on goods and services, BPA's (1-9)	19	-90.8	-69.8
Less: Gold (2-11+15)	20	-2.8	-2.6
Capital gains net of losses in direct investment income, BPA's (3-12)	21	-1.1	3.0
Statistical differences (4-13)	22	2.8	5.2
Other items (5-14) ⁴	23	0	3.2
Plus: Payments of income on U.S. Government liabilities (10)	24	35.9	37.9
Adjustment for U.S. territories and Puerto Rico (6-16)	25	8.8	9.5
Equals: Net exports of goods and services, NIPA's (8-18)	26	-46.1	-31.2
Allocations of special drawing rights, BPA's	27	0	0
Plus: Other items	28	0	0
Equals: Capital grants received by the United States, net, NIPA's	29	0	0
Unilateral transfers (excluding military grants of goods and services), net, BPA's	30	15.5	22.3
Less: Statistical differences ³	31	.8	-2
Other items ⁷	32	0	7.1
Plus: Adjustment for U.S. territories and Puerto Rico ⁵	33	.1	1
Equals: Transfer payments to foreigners, net, NIPA's	34	14.8	15.5
Payments of income on U.S. Government liabilities, BPA's	35	35.9	37.9
Less: Statistical differences ³	36	-1	-9
Equals: Interest paid by government to foreigners, NIPA's	37	36.0	38.8
Balance on current account, BPA's (19-30)	38	-106.3	-92.1
Less: Gold (20)	39	-2.8	-2.6
Capital gains net of losses in direct investment income, BPA's (21)	40	-1	3.0
Statistical differences (22-31-36)	41	2.2	6.3
Other items (23-32)	42	0	-3.9
Plus: Capital grants received by the United States, net, NIPA's (29)	43	0	0
Adjustment for U.S. territories and Puerto Rico (25-33)	44	8.7	9.4
Equals: Net foreign investment, NIPA's (26+29-34-37)	45	-96.8	-85.5

1. The treatment of net exports of gold in the NIPA's differs from that in the BPA's. BPA gold exports (line 2) and imports (line 11) are removed from the NIPA's. Imports of gold in the NIPA's (line 15) is the excess of the value of gold in domestic final sales plus the change in business inventories over the value of U.S. production of gold.

2. BPA capital gains and losses included in U.S. direct investment income abroad (line 3) and in foreign direct investment income in the United States (line 12) are removed from the NIPA's. Direct investment income abroad in the BPA's excludes capital gains and losses associated with currency translation adjustments.

3. Consists of statistical revisions in the BPA's that have not yet been incorporated in the NIPA's.

4. Transfers of goods and services under military grant programs, net, are classified as exports in the BPA's. In the NIPA's, these transactions are included in Federal Government purchases; they are included in "Other items" in this table. Also, in 1990 includes certain military sales to Saudi Arabia (\$1.1 billion) and interest received by the Federal Government from Egypt (\$2.1 billion), which were treated as exports in the BPA's but not in the NIPA's.

5. Consists of transactions between the United States and its territories and Puerto Rico. The treatment of U.S. territories and Puerto Rico in the NIPA's differs from that in the BPA's. In the NIPA's they are included in the rest of the world; in the BPA's, they are treated as part of the United States. The adjustments to exports and imports of goods and services are shown in lines 6 and 16 respectively; however, because data are not available to adjust service exports and imports separately, line 6 includes the net of exports and imports of services by U.S. territories and Puerto Rico. The adjustment to unilateral transfers, net (line 33) consists only of transfer payments from persons because transfer payments, subsidies, and grants-in-aid from the Federal Government to residents of U.S. territories and Puerto Rico are excluded from NIPA transfer payments to foreigners.

6. Represents interest paid by government to foreigners. This item is treated as an import of services in the BPA's. In the NIPA's, it is excluded from government purchases and, thus, also from imports.

7. Includes military grants. Also in 1990 includes forgiveness of Egyptian debt to Federal Government (\$7.0 billion), which was treated as a transfer payment in BPA's but not in NIPA's.

Table 5.2.—Gross Private Domestic Investment, Capital Consumption Allowances with Capital Consumption Adjustment, and Net Private Domestic Investment by Major Type of Investment

(Billions of dollars)

	Line	1989	1990
Gross private domestic investment	1	771.2	741.0
Less: Capital consumption allowances with capital consumption adjustment	2	554.4	575.6
Equals: Net private domestic investment	3	216.8	165.4
Fixed investment	4	742.9	746.1
Less: Capital consumption allowances with capital consumption adjustment	5	554.4	575.6
Equals: Net fixed investment	6	188.5	170.5
Nonresidential	7	511.9	524.1
Less: Capital consumption allowances with capital consumption adjustment	8	428.0	448.8
Equals: Net nonresidential	9	84.0	75.3
Structures	10	146.2	147.0
Less: Capital consumption allowances with capital consumption adjustment	11	129.4	129.2
Equals: Net structures	12	16.8	17.8
Producers' durable equipment	13	365.7	377.1
Less: Capital consumption allowances with capital consumption adjustment	14	298.6	319.6
Equals: Net producers' durable equipment	15	67.2	57.5
Residential	16	231.0	222.0
Less: Capital consumption allowances with capital consumption adjustment	17	126.5	126.8
Equals: Net residential	18	104.5	95.2
Nonfarm structures	19	222.5	212.8
Less: Capital consumption allowances with capital consumption adjustment	20	119.0	118.9
Equals: Net nonfarm structures	21	103.5	93.8
Farm structures	22	1.9	2.4
Less: Capital consumption allowances with capital consumption adjustment	23	2.9	2.9
Equals: Net farm structures	24	-9	-5
Producers' durable equipment	25	6.6	6.8
Less: Capital consumption allowances with capital consumption adjustment	26	4.6	5.0
Equals: Net producers' durable equipment	27	2.0	1.8
Change in business inventories	28	28.3	-5.0

Table 5.3.—Gross Private Domestic Investment, Capital Consumption Allowances With Capital Consumption Adjustment, and Net Private Domestic Investment by Major Type of Investment in Constant Dollars

(Billions of 1982 dollars)

	Line	1989	1990
Gross private domestic investment	1	716.9	688.7
Less: Capital consumption allowances with capital consumption adjustment	2	506.0	519.7
Equals: Net private domestic investment	3	210.8	169.0
Fixed investment	4	693.1	692.3
Less: Capital consumption allowances with capital consumption adjustment	5	506.0	519.7
Equals: Net fixed investment	6	187.1	172.6
Nonresidential	7	506.1	515.4
Less: Capital consumption allowances with capital consumption adjustment	8	404.0	418.3
Equals: Net nonresidential	9	102.1	97.1
Structures	10	122.4	120.9
Less: Capital consumption allowances with capital consumption adjustment	11	114.3	112.9
Equals: Net structures	12	8.1	8.0
Producers' durable equipment	13	383.7	394.6
Less: Capital consumption allowances with capital consumption adjustment	14	289.7	305.4
Equals: Net producers' durable equipment	15	94.0	89.1
Residential	16	187.0	176.8
Less: Capital consumption allowances with capital consumption adjustment	17	102.0	101.4
Equals: Net residential	18	84.9	75.5
Nonfarm structures	19	178.9	168.2
Less: Capital consumption allowances with capital consumption adjustment	20	95.2	94.2
Equals: Net nonfarm structures	21	83.7	74.0
Farm structures	22	1.6	1.9
Less: Capital consumption allowances with capital consumption adjustment	23	2.3	2.3
Equals: Net farm structures	24	-7	-4
Producers' durable equipment	25	6.5	6.7
Less: Capital consumption allowances with capital consumption adjustment	26	4.6	4.9
Equals: Net producers' durable equipment	27	1.9	1.8
Change in business inventories	28	23.8	-3.6

Table 5.4.—Purchases of Structures by Type
[Billions of dollars]

	Line	1989	1990
Purchases of structures¹	1	459.0	459.7
Private	2	370.6	362.2
Nonresidential	3	146.2	147.0
New	4	146.2	146.9
Nonresidential buildings, excluding farm	5	104.3	103.5
Industrial	6	19.7	22.1
Commercial	7	59.6	55.0
Religious	8	3.0	3.0
Educational	9	2.9	3.3
Hospital and institutional	10	7.5	8.1
Other ²	11	11.5	11.9
Public utilities	12	25.7	25.8
Railroads	13	2.7	3.0
Telephone and telegraph	14	8.1	8.2
Electric light and power	15	10.3	10.0
Gas	16	4.3	4.3
Petroleum pipelines	17	.3	.3
Farm	18	2.0	2.2
Mining exploration, shafts, and wells	19	11.1	11.7
Petroleum and natural gas	20	9.5	10.1
Other	21	1.6	1.6
Other³	22	3.1	3.8
Brokers' commissions on sale of structures	23	.8	.8
Net purchases of used structures	24	-.8	-.7
Residential	25	224.4	215.2
New	26	203.5	195.1
Nonfarm	27	201.6	192.7
New housing units	28	145.1	136.0
Permanent site	29	140.1	131.1
1-unit structures	30	116.7	111.0
2-or-more-unit structures	31	23.3	20.1
Mobile homes	32	5.1	4.8
Additions and alterations	33	38.2	37.5
Major replacements	34	17.7	18.6
Other ⁴	35	.6	.6
Farm	36	1.9	2.4
New housing units	37	.5	.5
Additions and alterations	38	1.2	1.6
Major replacements	39	.3	.3
Brokers' commissions on sale of structures	40	22.3	21.3
Net purchases of used structures	41	-1.5	-1.3
Government structures and new construction force-account compensation	42	88.4	97.5
New	43	86.1	95.5
Buildings, excluding military	44	30.6	35.6
Residential	45	3.0	3.3
Industrial	46	1.2	1.4
Educational	47	12.9	15.6
Hospital	48	1.8	2.0
Other ⁵	49	11.6	13.3
Highways and streets	50	26.8	29.3
Military facilities	51	4.1	3.7
Conservation and development	52	4.7	4.7
Sewer and water systems	53	13.9	15.9
Sewer systems	54	9.8	10.7
Water supply facilities	55	4.2	5.1
Other ⁶	56	6.1	6.4
Net purchases of used structures	57	2.3	2.0

1. In this table, purchases of structures includes compensation of government employees engaged in new force-account construction. In tables 1.3, 3.1, and 3.7, this compensation is classified as a service and is included as part of government compensation of employees.

2. Consists of hotels and motels, buildings used primarily for social and recreational activities, and buildings not elsewhere classified, such as passenger terminals, greenhouses, and animal hospitals.

3. Consists of streets, dams and reservoirs, sewer and water facilities, parks, airfields, etc.

4. Consists of dormitories, fraternity and sorority houses, nurses' homes, etc.

5. Consists of general office buildings, police and fire stations, courthouses, auditoriums, garages, passenger terminals, etc.

6. Consists of electric and gas facilities, transit systems, airfields, etc.

NOTE.—Quarterly estimates for selected items are shown in table 5.12.

Table 5.5.—Purchases of Structures by Type in Constant Dollars
[Billions of 1982 dollars]

	Line	1989	1990
Purchases of structures¹	1	374.0	368.3
Private	2	302.9	291.0
Nonresidential	3	122.4	120.9
New	4	122.4	120.8
Nonresidential buildings, excluding farm	5	81.2	78.6
Industrial	6	15.3	16.8
Commercial	7	46.5	41.8
Religious	8	2.3	2.3
Educational	9	2.3	2.5
Hospital and institutional	10	5.9	6.2
Other ²	11	9.0	9.1
Public utilities	12	21.3	20.6
Railroads	13	2.2	2.4
Telephone and telegraph	14	6.6	6.4
Electric light and power	15	8.5	8.0
Gas	16	3.7	3.5
Petroleum pipelines	17	.3	.3
Farm	18	1.6	1.7
Mining exploration, shafts, and wells	19	15.7	16.9
Petroleum and natural gas	20	14.4	15.6
Other	21	1.3	1.2
Other³	22	2.6	3.1
Brokers' commissions on sale of structures	23	.6	.6
Net purchases of used structures	24	-.7	-.6
Residential	25	180.5	170.2
New	26	164.1	154.3
Nonfarm	27	162.5	152.3
New housing units	28	116.7	107.6
Permanent site	29	112.2	103.5
1-unit structures	30	93.5	87.6
2-or-more-unit structures	31	18.7	15.9
Mobile homes	32	4.4	4.1
Additions and alterations	33	30.9	29.5
Major replacements	34	14.5	14.7
Other ⁴	35	.5	.5
Farm	36	1.6	1.9
New housing units	37	.4	.4
Additions and alterations	38	1.0	1.2
Major replacements	39	.2	.2
Brokers' commissions on sale of structures	40	17.5	16.9
Net purchases of used structures	41	-1.2	-1.0
Government structures and new construction force-account compensation	42	71.1	77.3
New	43	69.3	75.7
Buildings, excluding military	44	23.9	27.1
Residential	45	2.4	2.6
Industrial	46	.9	1.0
Educational	47	10.0	11.9
Hospital	48	1.4	1.5
Other ⁵	49	9.1	10.1
Highways and streets	50	21.5	23.6
Military facilities	51	3.1	2.7
Conservation and development	52	4.1	3.9
Sewer and water systems	53	11.8	13.3
Sewer systems	54	8.2	9.0
Water supply facilities	55	3.5	4.3
Other ⁶	56	5.0	5.2
Net purchases of used structures	57	1.8	1.6

1. In this table, purchases of structures includes compensation of government employees engaged in new force-account construction. In tables 1.4 and 3.8, this compensation is classified as a service and is included as part of government compensation of employees.

2. Consists of hotels and motels, buildings used primarily for social and recreational activities, and buildings not elsewhere classified, such as passenger terminals, greenhouses, and animal hospitals.

3. Consists of streets, dams and reservoirs, sewer and water facilities, parks, airfields, etc.

4. Consists of dormitories, fraternity and sorority houses, nurses' homes, etc.

5. Consists of general office buildings, police and fire stations, courthouses, auditoriums, garages, passenger terminals, etc.

6. Consists of electric and gas facilities, transit systems, airfields, etc.

NOTE.—Quarterly estimates for selected items are shown in table 5.13.

Table 5.6.—Private Purchases of Producers' Durable Equipment by Type

[Billions of dollars]

	Line	1989	1990
Private purchases of producers' durable equipment	1	372.3	383.9
Nonresidential equipment	2	365.7	377.1
Information processing and related equipment	3	116.0	120.2
Office, computing, and accounting machinery	4	40.1	40.7
Communication equipment	5	46.5	49.9
Instruments	6	17.3	17.9
Photocopy and related equipment	7	12.1	11.7
Industrial equipment	8	93.1	92.4
Fabricated metal products	9	9.6	9.8
Engines and turbines	10	1.5	1.3
Metalworking machinery	11	18.9	18.3
Special industry machinery, n.e.c.	12	26.7	26.6
General industrial, including materials handling, equipment	13	21.7	21.5
Electrical transmission, distribution, and industrial apparatus	14	14.6	14.8
Transportation and related equipment	15	76.2	83.2
Trucks, buses, and truck trailers	16	36.3	33.9
Autos	17	20.3	24.8
Aircraft	18	15.1	19.6
Ships and boats	19	2.1	2.5
Railroad equipment	20	2.5	2.4
Other equipment	21	83.5	84.5
Furniture and fixtures	22	20.9	20.9
Tractors	23	6.7	7.4
Agricultural machinery, except tractors	24	8.5	9.1
Construction machinery, except tractors	25	11.7	11.3
Mining and oilfield machinery	26	3.1	3.3
Service industry machinery	27	10.7	10.0
Electrical equipment, n.e.c.	28	9.6	9.6
Other	29	12.2	13.0
Less: Sale of equipment scrap, excluding autos	30	3.1	3.3
Residential equipment	31	6.6	6.8
Addenda:			
Private purchases of producers' durable equipment	32	372.3	383.9
Less: Dealers' margin on used equipment	33	2.1	2.3
Net purchases of used equipment from government	34	.9	.8
Plus: Net sales of used equipment	35	31.7	31.6
Net exports of used equipment	36	1.3	1.4
Sale of equipment scrap	37	3.1	3.4
Equals: Private purchases of new equipment	38	405.5	417.2

n.e.c. Not elsewhere classified.

NOTE.—Quarterly estimates for selected items are shown in table 5.12.

Table 5.7.—Private Purchases of Producers' Durable Equipment by Type in Constant Dollars

[Billions of 1982 dollars]

	Line	1989	1990
Private purchases of producers' durable equipment	1	390.2	401.2
Nonresidential equipment	2	383.7	394.6
Information processing and related equipment	3	179.0	191.3
Office, computing, and accounting machinery	4	115.9	127.7
Communication equipment	5	36.8	38.3
Instruments	6	14.9	14.6
Photocopy and related equipment	7	11.4	10.7
Industrial equipment	8	74.9	71.4
Fabricated metal products	9	8.4	8.4
Engines and turbines	10	1.3	1.0
Metalworking machinery	11	15.5	14.4
Special industry machinery, n.e.c.	12	20.0	19.1
General industrial, including materials handling, equipment	13	17.7	16.9
Electrical transmission, distribution, and industrial apparatus	14	11.9	11.5
Transportation and related equipment	15	63.8	67.3
Trucks, buses, and truck trailers	16	29.4	27.2
Autos	17	17.2	19.6
Aircraft	18	13.3	16.3
Ships and boats	19	1.8	2.0
Railroad equipment	20	2.2	2.0
Other equipment	21	67.8	66.6
Furniture and fixtures	22	16.1	15.5
Tractors	23	5.2	5.5
Agricultural machinery, except tractors	24	6.9	7.1
Construction machinery, except tractors	25	9.1	8.4
Mining and oilfield machinery	26	2.7	2.8
Service industry machinery	27	8.8	8.0
Electrical equipment, n.e.c.	28	8.5	8.4
Other	29	10.4	10.8
Less: Sale of equipment scrap, excluding autos	30	1.7	2.0
Residential equipment	31	6.5	6.7

n.e.c. Not elsewhere classified.

NOTE.—Quarterly estimates for selected items are shown in table 5.13.

Table 7.10.—Fixed-Weighted Price Indexes for Personal Consumption Expenditures by Type of Product, 1982 Weights

[Index numbers, 1982=100]

	Line	1989	1990
Personal consumption expenditures	1	131.6	138.4
Durable goods	2	114.3	116.8
Motor vehicles and parts	3	118.7	120.1
New autos (65)	4	122.3	124.1
Net purchases of used autos (66)	5	124.0	123.2
Other motor vehicles (67)	6	122.7	126.6
Tires, tubes, accessories, and other parts (68)	7	100.6	101.3
Furniture and household equipment	8	104.9	106.6
Furniture, including mattresses and bedsprings (29)	9	116.8	118.6
Kitchen and other household appliances (30)	10	101.2	101.0
China, glassware, tableware, and utensils (31)	11	112.8	116.0
Radio and television receivers, records, and musical instruments (87)	12	81.8	81.4
Other durable house furnishings (32)	13	118.0	122.2
Other	14	123.5	130.3
Ophthalmic products and orthopedic appliances (46)	15	131.8	137.6
Wheel goods, durable toys, sports equipment, boats, and pleasure aircraft (86)	16	114.2	117.7
Jewelry and watches (18)	17	124.9	135.2
Books and maps (83)	18	138.9	147.2
Nondurable goods	19	123.9	132.3
Food	20	129.2	137.1
Food purchased for off-premise consumption (3)	21	126.9	135.3
Purchased meals and beverages (4)	22	134.9	141.4
Food furnished employees (including military) and food produced and consumed on farms (5+6)	23	130.3	136.1
Addenda: Food excluding alcoholic beverages (8)	24	129.1	137.2
Alcoholic beverages purchased for off-premise consumption (9)	25	121.6	126.9
Other alcoholic beverages (10)	26	144.9	152.4
Clothing and shoes	27	118.5	123.6
Shoes (12)	28	115.3	118.3
Women's and children's clothing and accessories except shoes (14)	29	118.6	125.0
Men's and boys' clothing and accessories except shoes (15+16)	30	119.9	123.5
Gasoline and oil (70)	31	86.8	99.0
Fuel oil and coal (40)	32	80.4	97.7
Other	33	142.9	152.0
Tobacco products (7)	34	189.9	209.6
Toilet articles and preparations (21)	35	129.5	134.7
Semidurable house furnishings (33)	36	123.6	128.7
Cleaning and polishing preparations, and miscellaneous household supplies and paper products (34)	37	127.8	133.1
Drug preparations and sundries (45)	38	163.6	177.3
Nondurable toys and sport supplies (85)	39	109.9	113.6
Stationery and writing supplies (35)	40	120.3	124.2
Net foreign remittances (105 less 107)	41	165.2	182.9
Other (84+89)	42	131.7	137.3
Services	43	141.7	148.4
Housing	44	142.9	150.4
Owner-occupied nonfarm dwellings—space rent (24)	45	144.8	152.6
Tenant-occupied nonfarm dwellings—rent (25)	46	144.2	150.2
Rental value of farm dwellings (26)	47	99.4	103.8
Other (27)	48	148.4	161.8
Household operation	49	122.6	124.9
Electricity (37)	50	119.6	122.4
Gas (38)	51	108.6	108.7
Water and other sanitary services (39)	52	152.0	162.1
Telephone and telegraph (41)	53	125.6	126.2
Domestic service (42)	54	107.7	111.3
Other (43)	55	133.2	134.9
Transportation	56	131.9	137.7
User-operated transportation (69+71+72)	57	137.7	144.1
Purchased local transportation	58	131.0	138.7
Transit systems (74)	59	132.7	142.7
Other (75+76)	60	129.5	135.1
Purchased intercity transportation	61	116.9	120.7
Railway (excluding commutation) (78)	62	154.6	160.9
Bus (79)	63	146.5	150.1
Airline (80)	64	111.5	114.5
Other (81)	65	136.6	150.5
Medical care	66	153.4	162.5
Physicians (47)	67	161.5	173.2
Dentists (48)	68	156.8	167.2
Other professional services (49)	69	143.7	151.3
Privately controlled hospitals and sanitariums (50)	70	147.1	155.4
Health insurance (51)	71	179.1	186.1
Other	72	143.5	149.7
Personal care	73	135.6	142.3
Cleaning, storage, and repair of clothing and shoes (17)	74	138.8	145.6
Barbershops, beauty parlors, baths, and health clubs (22)	75	132.4	139.0
Other (19)	76	138.2	145.2
Personal business	77	159.9	167.3
Brokerage charges and investment counseling (56)	78	89.1	97.4
Bank service charges, trust services, and safe deposit box rental (57)	79	169.3	181.5
Services furnished without payment by financial intermediaries except life insurance carriers and private noninsured pension plans (58)	80	176.3	180.1
Other (59+60+61+62)	81	157.3	166.4
Recreation	82	131.0	137.4
Admissions to specified spectator amusements (90)	83	151.3	161.8
Other (88+94+95+96+97)	84	127.6	133.3
Private education and research	85	134.9	140.2
Higher education (99)	86	143.8	150.6
Elementary and secondary schools (100)	87	132.4	137.5
Other (101)	88	126.5	130.3
Religious and welfare activities (102)	89	128.2	132.2
Net foreign travel (104 less 106)	90	117.5	114.8

NOTE.—The figures in parentheses are the line numbers of the corresponding items in table 2.4.

Table 7.12.—Fixed-Weighted Price Indexes for Purchases of Structures by Type, 1982 Weights

[Index numbers, 1982=100]

	Line	1989	1990
Purchases of structures	1	117.5	119.7
Private	2	116.0	118.3
Nonresidential	3	110.3	112.6
New	4	110.3	112.6
Nonresidential buildings, excluding farm	5	128.4	131.7
Industrial	6	128.5	131.8
Commercial	7	128.3	131.6
Religious, educational, hospital and institutional, and other ¹	8	128.4	131.8
Public utilities	9	120.8	125.2
Railroads	10	120.8	123.1
Telephone and telegraph	11	121.7	128.3
Electric light and power	12	121.5	125.4
Gas	13	116.0	120.5
Petroleum pipelines	14	115.9	120.5
Farm	15	128.4	131.7
Mining exploration, shafts, and wells	16	70.1	69.0
Petroleum and natural gas	17	65.8	64.4
Other	18	128.3	131.8
Other ²	19	119.9	121.7
Brokers' commissions on sale of structures	20	130.0	131.7
Net purchases of used structures	21	126.5	130.2
Residential	22	124.0	126.3
New	23	123.7	126.3
Nonfarm	24	123.7	126.3
Structures	25	124.8	126.8
Mobile homes	26	113.8	117.3
Additions and alterations	27	123.4	126.8
Major replacements	28	122.4	126.7
Other ³	29	124.8	126.9
Farm	30	122.4	125.5
Brokers' commissions on sale of structures	31	127.3	126.2
Net purchases of used structures	32	124.9	126.8
Government structures and new construction force-account compensation	33	123.9	126.0
New	34	123.9	125.9
Buildings, excluding military	35	123.6	125.5
Residential	36	125.3	127.3
Industrial, educational, hospital and other ⁴	37	128.9	132.3
Highways and streets	38	124.6	124.5
Military facilities	39	130.2	135.9
Conservation and development	40	114.9	119.0
Sewer and water systems	41	118.1	119.3
Sewer systems	42	118.5	119.7
Water supply facilities	43	117.3	118.5
Other ⁵	44	122.7	125.3
Net purchases of used structures	45	125.1	127.6

1. Consists of hotels and motels, buildings used primarily for social and recreational activities, and buildings not elsewhere classified, such as passenger terminals, greenhouses, and animal hospitals.

2. Consists of streets, dams and reservoirs, sewer and water facilities, parks, airfields, etc.

3. Consists of dormitories, fraternity and sorority houses, nurses' homes, etc.

4. Consists of general office buildings, police and fire stations, courthouses, auditoriums, garages, passenger terminals, etc.

5. Consists of electric and gas facilities, transit systems, airfields, etc.

Table 7.13.—Fixed-Weighted Price Indexes for Private Purchases of Producers' Durable Equipment by Type, 1982 Weights

[Index numbers, 1982=100]

	Line	1989	1990
Private purchases of producers' durable equipment	1	114.0	117.9
Nonresidential equipment	2	114.1	118.2
Information processing and related equipment	3	.....	.....
Office, computing, and accounting machinery	4	50.0	47.3
Communication equipment	5	126.7	131.2
Instruments	6	124.7	130.9
Photocopy and related equipment	7	98.5	101.8
Industrial equipment	8	.....	.....
Fabricated metal products	9	108.6	111.2
Engines and turbines	10	117.5	126.8
Metalworking machinery	11	122.9	128.1
Special industry machinery, n.e.c.	12	135.1	141.6
General industrial, including materials handling, equipment	13	125.5	131.5
Electrical transmission, distribution, and industrial apparatus	14	123.3	127.6
Transportation and related equipment	15	.....	.....
Trucks, buses, and truck trailers	16	123.8	125.4
Autos	17	119.5	126.3
Aircraft	18	113.3	119.8
Ships and boats	19	115.5	118.0
Railroad equipment	20	115.2	119.8
Other equipment	21	.....	.....
Furniture and fixtures	22	130.4	134.3
Tractors	23	125.1	131.3
Agricultural machinery, except tractors	24	121.8	126.8
Construction machinery, except tractors	25	128.8	135.6
Mining and oilfield machinery	26	104.1	108.0
Service industry machinery	27	118.2	122.0
Electrical equipment, n.e.c.	28	111.0	111.2
Other	29	124.3	127.8
Less: Sale of equipment scrap, excluding autos	30	190.0	178.4
Residential equipment	31	101.4	102.0

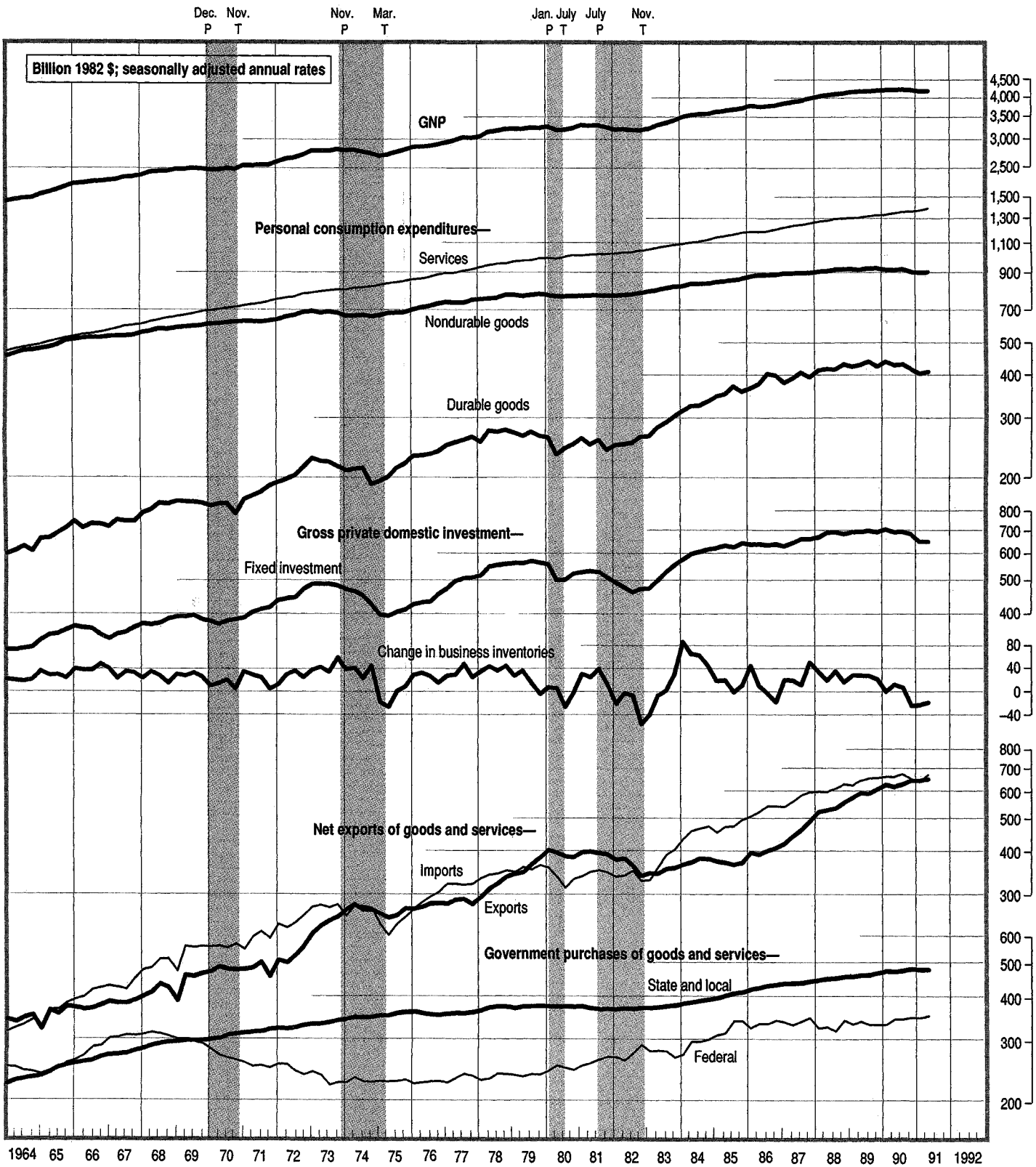
n.e.c. Not elsewhere classified.

Table 8.2.—Selected Per Capita Income and Product Series in Current and Constant Dollars and Population of the United States

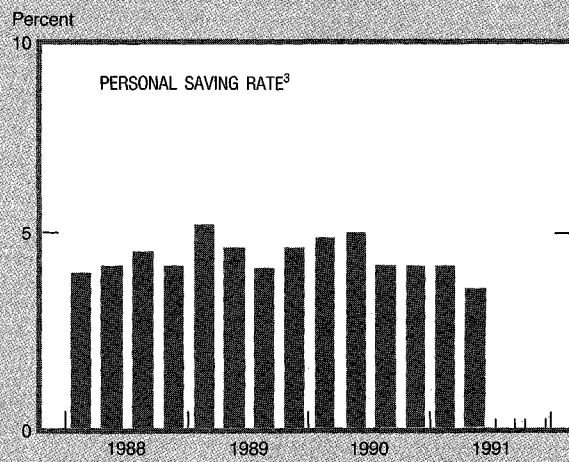
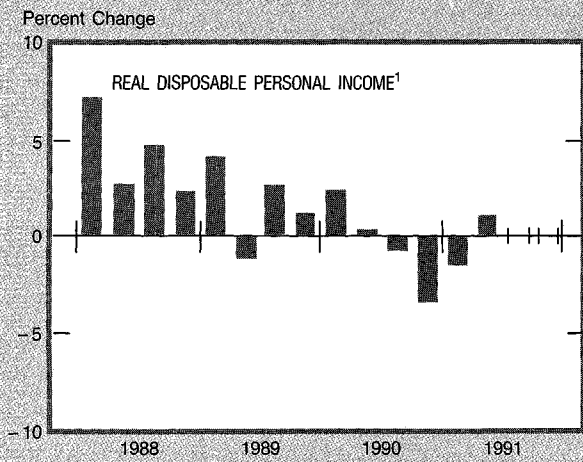
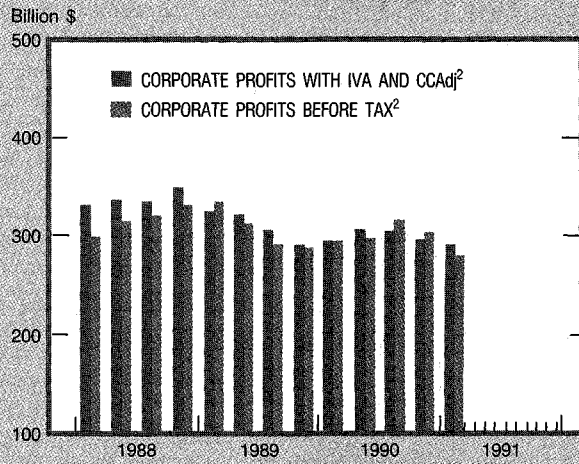
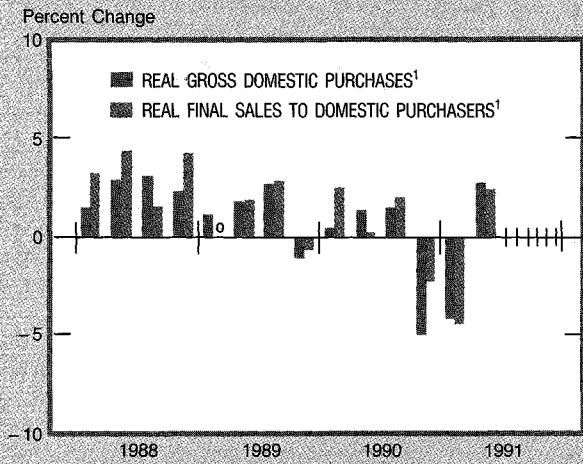
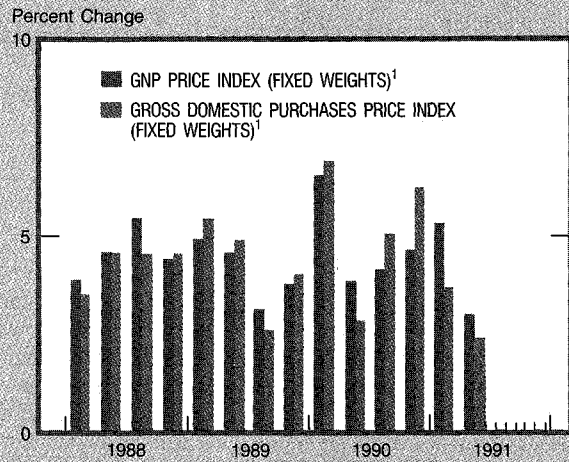
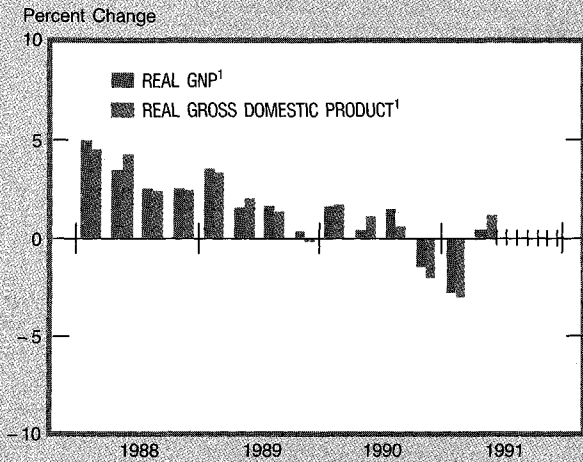
Year	Current dollars							Constant (1982) dollars							Population (mid-year, millions)
	Gross national product	Personal income	Disposable personal income	Personal consumption expenditures				Gross national product	Disposable personal income	Personal consumption expenditures					
				Total	Durable goods	Nondurable goods	Services			Total	Durable goods	Nondurable goods	Services		
1929	853	692	671	634	76	309	249	5,822	4,091	3,868	330	1,735	1,803	121.9	
1930	740	613	593	568	58	276	233	5,218	3,727	3,569	259	1,648	1,662	123.2	
1931	615	521	506	487	44	233	210	4,737	3,534	3,400	221	1,624	1,555	124.1	
1932	468	395	384	389	29	182	178	4,075	3,043	3,081	168	1,497	1,416	124.9	
1933	446	368	357	365	28	177	160	3,966	2,950	3,013	164	1,447	1,402	125.7	
1934	518	420	408	406	33	211	162	4,243	3,100	3,088	185	1,521	1,381	126.5	
1935	572	469	455	438	40	230	168	4,555	3,359	3,236	227	1,582	1,427	127.4	
1936	648	531	513	484	49	256	178	5,166	3,738	3,523	280	1,750	1,493	128.2	
1937	708	569	547	517	54	273	190	5,391	3,836	3,628	292	1,805	1,530	129.0	
1938	657	520	499	493	44	267	188	5,111	3,557	3,517	234	1,811	1,472	130.0	
1939	697	550	532	511	51	268	192	5,469	3,812	3,667	273	1,893	1,501	131.0	
1940	760	587	568	538	59	280	199	5,850	4,017	3,804	307	1,963	1,534	132.1	
1941	941	714	689	606	72	321	212	6,817	4,528	3,981	346	2,066	1,569	133.4	
1942	1,179	907	863	657	51	376	230	8,010	5,138	3,912	232	2,070	1,611	134.9	
1943	1,409	1,102	972	727	48	429	251	9,333	5,276	3,949	205	2,082	1,661	136.7	
1944	1,527	1,188	1,052	782	48	465	269	9,975	5,414	4,026	190	2,153	1,683	138.4	
1945	1,525	1,215	1,066	855	57	514	284	9,682	5,285	4,236	205	2,312	1,719	139.9	
1946	1,502	1,256	1,124	1,018	111	585	321	7,758	5,115	4,632	338	2,435	1,860	141.4	
1947	1,632	1,319	1,171	1,123	142	631	351	7,401	4,820	4,625	392	2,341	1,892	144.1	
1948	1,784	1,427	1,283	1,193	156	659	378	7,561	5,000	4,650	421	2,310	1,919	146.6	
1949	1,743	1,384	1,260	1,195	168	636	392	7,434	4,915	4,661	454	2,295	1,912	149.2	
1950	1,900	1,504	1,368	1,267	203	648	416	7,935	5,220	4,834	532	2,326	1,976	151.7	
1951	2,161	1,663	1,475	1,349	194	708	447	8,609	5,308	4,853	484	2,352	2,016	154.3	
1952	2,240	1,745	1,528	1,396	186	731	478	8,792	5,379	4,915	465	2,399	2,051	157.0	
1953	2,329	1,821	1,599	1,458	205	738	515	8,995	5,515	5,029	502	2,433	2,094	159.6	
1954	2,294	1,805	1,604	1,477	198	737	542	8,721	5,505	5,066	502	2,425	2,140	162.4	
1955	2,456	1,901	1,687	1,560	235	755	570	9,045	5,714	5,287	586	2,500	2,200	165.3	
1956	2,546	2,004	1,769	1,608	227	777	604	9,069	5,881	5,349	552	2,538	2,259	168.2	
1957	2,633	2,080	1,833	1,666	232	800	634	9,056	5,909	5,370	539	2,538	2,292	171.3	
1958	2,623	2,108	1,865	1,692	214	814	664	8,839	5,908	5,357	499	2,526	2,332	174.1	
1959	2,800	2,207	1,946	1,786	242	839	706	9,200	6,027	5,531	547	2,574	2,409	177.1	
1960	2,851	2,265	1,986	1,829	240	847	741	9,213	6,036	5,561	542	2,563	2,456	180.8	
1961	2,905	2,318	2,034	1,857	228	857	772	9,299	6,113	5,579	509	2,559	2,511	183.7	
1962	3,080	2,429	2,123	1,940	252	878	810	9,644	6,271	5,729	552	2,595	2,582	186.6	
1963	3,206	2,516	2,197	2,017	273	895	848	9,896	6,378	5,855	591	2,611	2,653	189.3	
1964	3,386	2,659	2,352	2,133	296	936	900	10,281	6,727	6,099	630	2,696	2,773	191.9	
1965	3,628	2,840	2,505	2,268	327	987	954	10,741	7,027	6,362	693	2,795	2,874	194.3	
1966	3,927	3,056	2,675	2,428	348	1,060	1,019	11,233	7,280	6,607	734	2,896	2,977	196.6	
1967	4,108	3,243	2,828	2,534	355	1,091	1,087	11,428	7,513	6,730	736	2,914	3,081	198.8	
1968	4,447	3,523	3,037	2,752	404	1,171	1,178	11,784	7,728	7,003	805	3,001	3,197	200.7	
1969	4,755	3,813	3,239	2,949	425	1,244	1,280	11,953	7,891	7,185	828	3,044	3,313	202.7	
1970	4,951	4,056	3,489	3,121	418	1,318	1,385	11,781	8,134	7,275	792	3,084	3,399	205.1	
1971	5,309	4,305	3,740	3,330	470	1,364	1,496	11,964	8,322	7,409	859	3,083	3,468	207.7	
1972	5,777	4,676	4,000	3,609	530	1,453	1,626	12,426	8,562	7,726	955	3,170	3,601	209.9	
1973	6,414	5,198	4,481	3,950	588	1,602	1,760	12,948	9,042	7,972	1,040	3,223	3,709	211.9	
1974	6,886	5,657	4,855	4,285	579	1,781	1,926	12,760	8,867	7,826	958	3,114	3,754	213.9	
1975	7,401	6,081	5,291	4,689	627	1,927	2,135	12,478	8,944	7,926	952	3,132	3,842	216.0	
1976	8,175	6,655	5,744	5,178	740	2,072	2,366	12,961	9,175	8,272	1,065	3,250	3,956	218.1	
1977	9,036	7,297	6,262	5,707	838	2,226	2,643	13,431	9,381	8,551	1,153	3,320	4,079	220.3	
1978	10,105	8,141	6,968	6,304	923	2,434	2,947	13,993	9,735	8,808	1,201	3,385	4,222	222.6	
1979	11,142	9,036	7,682	6,960	973	2,724	3,263	14,182	9,829	8,904	1,184	3,406	4,314	225.1	
1980	11,995	9,916	8,421	7,607	963	2,992	3,653	13,994	9,722	8,783	1,080	3,348	4,355	227.8	
1981	13,262	10,952	9,243	8,320	1,042	3,217	4,061	14,114	9,769	8,794	1,089	3,321	4,384	230.2	
1982	13,614	11,485	9,724	8,818	1,086	3,315	4,416	13,614	9,725	8,818	1,086	3,315	4,416	232.5	
1983	14,503	12,088	10,340	9,516	1,231	3,478	4,807	13,964	9,930	9,139	1,206	3,408	4,526	234.8	
1984	15,913	13,114	11,257	10,253	1,416	3,659	5,179	14,771	10,419	9,489	1,363	3,484	4,642	237.1	
1985	16,776	13,895	11,861	10,985	1,555	3,807	5,622	15,121	10,625	9,840	1,484	3,541	4,815	239.3	
1986	17,511	14,592	12,469	11,576	1,680	3,898	5,998	15,385	10,905	10,123	1,591	3,634	4,899	241.7	
1987	18,508	15,437	13,094	12,334	1,735	4,104	6,495	15,761	10,946	10,311	1,604	3,659	5,048	244.0	
1988	19,783	16,524	14,123	13,144	1,857	4,303	6,984	16,305	11,368	10,580	1,697	3,691	5,191	246.4	
1989	20,903	17,621	14,973	13,866	1,908	4,541	7,417	16,550	11,531	10,678	1,720	3,697	5,261	248.8	
1990	21,737	18,477	15,695	14,547	1,910	4,748	7,888	16,535	11,509	10,666	1,700	3,624	5,342	251.4	

NIPA Charts

REAL GNP AND ITS COMPONENTS: TRENDS AND CYCLES



SELECTED SERIES: RECENT QUARTERS



1. Percent change at annual rate from preceding quarter, based on seasonally adjusted estimates.
 2. Seasonally adjusted annual rate; IVA is inventory valuation adjustment, and CCAAdj is capital consumption adjustment.
 3. Personal saving as percentage of disposable personal income, based on seasonally adjusted estimates.
 U.S. Department of Commerce, Bureau of Economic Analysis

Benchmark Input-Output Accounts for the U.S. Economy, 1982

THIS article presents the 1982 benchmark input-output (I-O) accounts for the U.S. economy.¹ These accounts show the production of commodities (goods and services) by each industry, the use of commodities by each industry, the commodity composition of GNP, and the industry distribution of value added. BEA prepares these accounts primarily on the basis of data collected every 5 years in the economic censuses for agriculture, mining, construction, manufacturing, wholesale trade, retail trade, and selected services; data for other services are from other government reports and surveys and from private sources. The summary tables in this article present estimates for 85 industries, which are roughly equivalent to the two-digit level of the Standard Industrial Classification (SIC) for non-manufacturing and the three-digit SIC level for manufacturing. Information on obtaining the benchmark tables at the 500-industry level is in the box on page 34.

This article is in three sections. The first section describes the I-O accounts and the tables that present related detail. The second section discusses some uses of these estimates, highlighting analytical uses and providing recent examples. The third section is a summary of the sources and methods used to prepare these accounts.

The I-O accounts and related detail

The I-O accounts are typically displayed in matrix form to show compactly the relationships between all industries in the economy and all the commodities they produce and use.²

1. Annual I-O accounts for 1982 were presented in the April 1988 SURVEY OF CURRENT BUSINESS. For an explanation of the relationship between the benchmark and the annual I-O accounts, see the box on BEA's I-O program on page 32.

2. In the detail that they provide on industries and commodities, the I-O accounts can be viewed as a deconsolidation of the account in the national income and product accounts (NIPA's) that shows the components

Estimates for commodities are typically shown at producers' prices (although they can be shown at purchasers' prices). When producers' prices are used, wholesale and retail trade margins, which are measured as sales less the cost of goods sold, and transportation costs are treated as commodities that are separately produced and used by industries.

Make and use tables.—Two tables are basic to the accounts. The first, referred to as the "make" table, is a matrix showing the industry production of each commodity in the economy (table 1). The second, referred to as the "use" table, is a matrix showing the commodities consumed, or used, by each industry and final consumer (table 2). (Tables of coefficients that are derived from the make and use tables are described in the next section.) Chart 4 provides a schematic representation that highlights the relationship between the make and use tables.

that sum to GNP. For a further discussion of the relationship of the I-O accounts to the NIPA's, see U.S. Department of Commerce, Bureau of Economic Analysis, *An Introduction to National Economic Accounting*, Methodology Paper Series MP-1 (Washington, DC: U.S. Government Printing Office, March 1985): 15-16.

In the make table, the entries in a row represent the dollar value of commodities produced by the industry named at the beginning of the row. In chart 4, each row shows one white cell. That cell, called the diagonal cell, shows the value of production of the commodity for which the industry has been designated the "primary" producer. Any entries in the other cells in the row show the value of production of commodities for which other industries are the primary producers (that is, the value of production of commodities for which the given industry is a "secondary" producer). The entries in a column represent the value of the production by each industry of the commodity named at the head of the column.

The row total in the make table is total industry output, and the column total is total commodity output. As indicated by the shading on the chart, the row totals of the make table equal the column totals of the use table, and the column totals of the make table equal the row totals of the use table.

In the use table, the entries in a row represent the dollar value of the use by each industry of the commodity named

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Estimates for the agricultural industries were prepared by Gerald Schluter and his staff, Economic Research Service, U.S. Department of Agriculture.

at the beginning of the row and of the sales of the commodity to final uses. The industry uses sum to total intermediate use, shown in the far right column of the industries portion. The final uses sum to GNP, shown in the far right column of the final-uses por-

tion. The entries in a column represent the value of the commodities—that is, of raw materials, semifinished products, and services—used and the value added that is generated in production by the industry named at the head of the column. The row total (total




commodity output) is the production of the commodity (no matter which industry contributed to that production), and the column total (total industry output) is the production of the industry (no matter what commodity was produced).

CHART 4

The U.S. Input-Output Accounts

MAKE TABLE: INDUSTRIES PRODUCING COMMODITIES

		COMMODITIES									TOTAL INDUSTRY OUTPUT
		Agricultural products	Minerals	Construction	Manufactured products	Transportation	Trade	Finance	Services	Other*	
INDUSTRIES	Agriculture										
	Mining										
	Construction										
	Manufacturing										
	Transportation										
	Trade										
	Finance										
	Services										
	Other*										
TOTAL COMMODITY OUTPUT											

 TOTAL COMMODITY OUTPUT
 PRIMARY PRODUCT OF THE INDUSTRY
 TOTAL INDUSTRY OUTPUT

USE TABLE: COMMODITIES USED BY INDUSTRIES AND FINAL USES

		INDUSTRIES										FINAL USES (GNP)						TOTAL COMMODITY OUTPUT		
		Agriculture	Mining	Construction	Manufacturing	Transportation	Trade	Finance	Services	Other*	Total intermediate use	Personal consumption expenditures	Gross private fixed investment	Change in business inventories	Exports	Imports	Government purchases		GNP	
COMMODITIES	Agricultural products																			
	Minerals																			
	Construction																			
	Manufactured products																			
	Transportation																			
	Trade																			
	Finance																			
	Services																			
	Other*																			
	Noncomparable imports																			
Other*																				
VALUE ADDED	Compensation of employees																			
	Indirect business taxes																			
	Other value added**																			
	Total																			
TOTAL INDUSTRY OUTPUT																				

* Includes government enterprises, scrap, used and second-hand goods, government industry, rest-of-the-world industry, household industry, and inventory valuation adjustment.

** Consists of net interest, capital consumption allowances, proprietors' income, rental income of persons, corporate profits, and business transfer payments less subsidies less current surplus of government enterprises.

The entries in the industries and final-uses portions of the table include imported, as well as domestically produced, commodities.³ Imports by commodity are treated as negative entries in the imports column in the final-uses portion. The entries in the industries portion exclude capitalized purchases. Purchases of equipment and structures are treated as positive entries in gross private fixed investment or government purchases in the final-uses portion.

Supplementary tables.—Additional detail on I-O commodities and industries is presented in a series of supplementary tables, which are described below.⁴

The *personal consumption expenditures by NIPA category table* expands the personal consumption expenditures (PCE) component of the use table to show, in both producers' and purchasers' prices, the commodities that make up the detailed PCE categories in the national income and product accounts (NIPA) table 2.4. For example, the table shows relative proportions of agriculture, manufactured food, and chemical (salt and monosodium glutamate) commodities that make up the NIPA PCE category "food purchased for off-premise consumption." This table is essential to analyses that attempt to relate the effects of changes in consumption to industry and commodity output.

The *gross private fixed investment by NIPA category table* expands the gross private fixed investment component of the use table to show, in both producers' and purchasers' prices, the commodities that make up the detailed categories for structures and for producers' durable equipment purchases in NIPA tables 5.4 and 5.6. For example, the table shows the relative proportions of new office buildings and utility plants that make up the NIPA structures category "electric light and power." This table is essential to analyses that attempt to relate the effects of changes in investment to industry and commodity output.

3. In the summary tables presented in this article, commodity and industry output are shown as domestic output. However, for some analyses, it is preferable to show domestic supply—that is, imports plus domestic output—by eliminating the import column in the use table and adding an import row in the make table. The coefficients from the resulting table are referred to as "total based."

4. The availability of the supplementary tables will be announced in the Survey.

The *capital flows table* expands the gross private fixed investment component of the use table to show the type of equipment and structures purchased by industry. Frequently, the analytical use of the I-O accounts requires the construction of a dynamic model in which the purchases of equipment and structures are included in the model as intermediate purchases; this table makes it possible to compute entries in the industries portion that include capitalized purchases.

The *employment and employee compensation table* expands the employee compensation component of the use table to show the number of employees and to separate supplements to wages and salaries from wages and salaries by industry. This table can be used to relate industry output to employment and to calculate employment multipliers.

The *exports and imports by balance of payments category table* expands the exports and imports component of the use table to show the commodities classified according to the detailed categories in table 2 of BEA's balance-of-payments presentation. This new table shows relative proportions of commodities that make up the categories. For merchandise exports and imports, the table also provides a concordance between I-O commodity codes and the commodity classifications used for data on merchandise trade (Schedule B of the Statistical Classification of Domestic and Foreign Commodities Exported from the United States for exports and the Tariff Schedules of the U.S. Annotated for imports).

The *I-O workfile table* expands the commodity detail of the use table to show the products within the commodity. The workfile identifies over 7,000 products. Within a consistent definitional framework, it provides the maximum detail on product use for each industry that is permitted by the source data. It also notes the survey, report, or other reference for the source data.

Uses of I-O estimates

I-O accounts, both the benchmark accounts and the annual accounts that are based on them, are less well known than other parts of the Nation's economic accounts. Similarly, their uses are less well known. This section describes two kinds of uses—uses in analyses of the economy and uses in the preparation of economic statistics.

Analytical uses.—The make and use tables, because they completely account for commodity production and use for the entire economy and because they include detailed information for products, provide useful information to market researchers and others who wish to analyze and project the use of particular products. For example, a trade association has used the accounts to estimate import penetration in the apparel industry, and the U.S. Copyright Office has used the accounts to measure the size of U.S. copyright-related industries.

The major analytical use of the estimates in the I-O accounts is in economic analyses that require the measurement of both the direct and indirect

BEA's Input-Output Program

BEA's input-output (I-O) program includes the preparation of benchmark and annual I-O accounts. The benchmark I-O accounts are prepared for years for which there are economic censuses. The censuses provide comprehensive data—including information on production, product receipts, secondary products, materials consumed, and operating expenses—that are not available on a more frequent basis. The benchmark I-O tables include over 500 industries and commodities. With the completion of the 1982 table, the number of years covered by BEA benchmark I-O tables is increased to seven—1947, 1958, 1963, 1967, 1972, 1977, and 1982.

The annual I-O accounts are prepared using basically the same procedures as used to prepare the benchmark accounts. However, primarily for census-covered industries, the source data used are less comprehensive and less reliable than those used for the benchmark accounts: For agriculture, construction, manufacturing, part of wholesale trade, retail trade, and selected services, the major data sources are annual surveys; for mining, quantity and price data are used to estimate output. Where comprehensive data are not available, as is the case for most estimates for secondary products and intermediate consumption, proportions from the most recent benchmark accounts are used to estimate the detailed components. The basic I-O tables are prepared at the summary level only; the supplementary detail is not prepared. Annual I-O tables were prepared for most years beginning with 1966. Annual tables based on the 1977 benchmark tables were prepared for the years 1980 through 1986. Annual tables based on the 1982 benchmark will be prepared beginning with 1987. The annual I-O accounts do not provide a consistent time series, because they are not prepared by interpolating between benchmark tables and because they are not revised to reflect definitional changes that are introduced in later benchmark years.

effects of changes in demand.⁵ Tables, referred to as "coefficient tables," that quantify these direct and indirect effects are calculated using the estimates in the make and use tables. BEA publishes three coefficient tables, which appear in this article at the summary 85-industry level.

The *commodity-by-industry direct requirements table* is prepared using the use table to relate commodity input for an industry to the industry's output (table 3). The values in this table, referred to as the "direct requirements coefficients," show the amount of a commodity required by the industry to produce a dollar of the industry's output.

The *commodity-by-commodity total requirements table* is prepared using both the make and use tables (table 4). The values in this table, referred to as "commodity-by-commodity total requirements coefficients," show the production required both directly and indirectly of the commodity named at the beginning of each row per dollar of delivery to final use of the commodity named at the head of the column.

The *industry-by-commodity total requirements table* is also prepared using both the make and use tables (table 5). The values in this table, referred to as "industry-by-commodity total requirements coefficients," show the production required directly and indirectly from the industry named at the beginning of the row per dollar of delivery to final use of the commodity named at the head of the column.

These coefficient tables can be used, for example, to determine the impact of a disaster on the economy or to compute the effect on employment of an increased demand for imported, rather than domestic, goods. The Federal Emergency Management Agency, the Department of Defense, and the Bureau of the Census have used the accounts for such studies. When the accounts are used in conjunction with regional data, they can be modified to

show the regional impacts. For example, a trade association analyzed the economic effect of the fishing industry in areas bordering the Gulf of Mexico, and a real estate developer analyzed the impact of constructing a new airport. BEA's Regional Economic Analysis Division performs such analyses for other government agencies.

Statistical uses.—The I-O accounts are used in several ways in the preparation of economic statistics. First, I-O accounts are a source of weights that can be used to prepare price or output indexes. For example, the Bureau of Labor Statistics uses I-O-based weights to calculate producer price indexes by stage of fabrication. BEA uses I-O-based weights to prepare the constant-dollar estimates of GNP. The weights also can be applied to NIPA totals for nonbenchmark years to estimate commodity composition. For example, the weights from the I-O accounts can be applied to the NIPA expenditure total for drug preparation and sundries to estimate spending on prescription drugs. Second, the I-O accounts are used by BEA to benchmark the national economic accounts. For example, PCE for 1982 will be derived from the 1982 benchmark I-O accounts.⁶ Third, the I-O accounts are used to identify data gaps and inconsistencies in economic statistics. For example, discrepancies between construction activity reported in the Census Bureau's value put-in-place survey and that reported in the census of construction and other economic census data were identified during the preparation of the 1982 benchmark I-O accounts. As a result, the Census Bureau undertook a number of special studies, two of which have already led to major improvements in the current statistics.

Sources and methods

There are three major steps in the preparation of the benchmark accounts. Each of these steps and the major source data are described below.

1. *Determine industry and commodity output totals.*—The SIC groups establishments into industries based on their principal product. For most

SIC groups, the economic censuses, conducted by the Bureau of the Census, provide detailed data for industries and commodities for establishments with payroll. For 1982, the censuses did not cover finance, insurance, real estate, transportation, utilities, hospitals, and schools; for these industries, survey or regulatory information was used to derive output. To determine the output totals, two adjustments were made to the published data for the censuses-covered industries: Where necessary, they were adjusted by adding estimates of the output of establishments with no payroll, and where the Census Bureau uses tax return records rather than reports that it directly collects, they were adjusted for misreporting.⁷

The SIC-based totals were then adjusted to the industry classification system used in the I-O accounts. The SIC groups require adjustment when the SIC industry's input structure is more heterogeneous than is desirable for I-O analysis. (The I-O industry categories and their composition in terms of the 1972 SIC industries are given in appendix A—see page 68.) These definitional differences usually relate to secondary activity. Adjustments are made, for example, to include all construction work—wherever performed—in the construction industry, all manufacturing performed at trade and service establishments in the manufacturing industry, all services performed by trade establishments in the service industry, and all reselling by any industry in the trade industry. For each of these differences, production is transferred to the appropriate I-O industry. In a few cases, these differences involve primary activity. For instance, chemical establishments primarily producing aluminum oxide are included in the SIC chemical products industry, but they are included in the I-O primary aluminum industry because their primary input is bauxite. After these adjustments, industry output by commodity is summed for all producing industries to derive total commodity output.

2. *Derive the GNP components and their commodity composition.*—Estimates of some final uses are derived from direct information; for example, imports are from Census Bu-

5. These direct and indirect effects may be illustrated by tracing a few of the impacts resulting from a change in consumer demand for autos. An increase in consumer demand for autos will lead, first, to an increase in the production of autos. The increase in the production of autos will result in more steel production, which in turn will require more chemicals, more iron ore, more limestone, and more coal. The increased production of autos will also require more upholstery fabrics, and the increased production of these fabrics will require more natural fibers, more synthetic fibers, and more plastics. There will be even further impacts; for instance, the increased production of synthetic fibers will require more electricity and containers.

6. For more information on the use of the I-O accounts in benchmarking the NIPA's, see U.S. Department of Commerce, Bureau of Economic Analysis, *Personal Consumption Expenditures*, Methodology Paper Series MP-6 (Washington, DC: U.S. Government Printing Office, June 1990): 31-34.

7. See Robert P. Parker, "Improved Adjustments for Misreporting of Tax Return Information Used to Estimate the National Income and Product Accounts, 1977," *SURVEY*, 64 (June 1984): 17-25.

reau foreign trade statistics. For other estimates, the commodity-flow method is the mostly widely used method. This method first converts domestic sales, which is the value of sales of commodities produced by domestic firms at producers' prices, to domestic supply, which is the value of sales to domestic purchasers at purchasers' prices and, therefore, includes imports and excludes exports. It then allocates domestic supply among domestic purchasers—that is, persons, business, and government.⁸

3. *Estimate the commodities used by industries.*—For industries covered by the economic censuses, the data do not always include all intermediate uses, and they are primarily for establishments with payroll (and therefore must be adjusted to cover all establishments). For other industries, the data are from government or private sources. In some cases, the source data provide direct information on the use of a commodity—for example, purchased electricity. In other cases, the data provide a total for a broad category of purchases—for example, office supplies, equipment repairs, or equipment rental. For these totals, estimates of individual commodities are made using commodity-shipment weights and

other applicable data. When direct information is not available, estimates of intermediate use are derived using related information. For instance, ac-

counting fees are distributed based on the number of employees, and auto-related expenditures are distributed based on estimates of auto use.

Data Availability

The estimates from the 1982 benchmark input-output (I-O) accounts are available at a two-digit and six-digit I-O industry level on magnetic tapes, diskettes, or computer printout. They can be ordered for "transactions," for "total requirements coefficients," or for "all." "Transactions" include the make table, use table, direct requirements coefficients, and transportation and wholesale and retail trade estimates by commodity. "Total requirements coefficients" include industry-by-commodity or commodity-by-commodity or both. Products specifying "all" contain all of these data, but for the two-digit I-O industry level only. All products include information on the mathematical derivation of the coefficients tables. The specific products available, their BEA accession numbers, and their prices follow.

Item	BEA accession number	Price
<i>Magnetic tapes:</i> *		
1982 benchmark six-digit, transactions	51-91-00-002	\$100
1982 benchmark six-digit, total requirements coefficients	51-91-00-003	100
1982 benchmark two-digit, all	51-91-00-004	100
<i>Diskettes:</i>		
1982 benchmark six-digit, transactions:		
3½ inch	51-91-40-002	40
5¼ inch	51-91-40-003	120
1982 benchmark six-digit, industry-by-commodity total requirements:		
3½ inch	51-91-40-004	40
5¼ inch	51-91-40-005	100
1982 benchmark six-digit, commodity-by-commodity total requirements:		
3½ inch	51-91-40-006	40
5¼ inch	51-91-40-007	100
1982 benchmark two-digit, all (5¼ inch only)	51-91-40-008	20
<i>Printout:</i>		
1982 benchmark two-digit, all	51-91-20-002	55

* Orders for magnetic tapes must specify density (1600 BPI or 6250 BPI) and whether or not internal labels are needed.

To order, write to Public Information Office, Order Desk, BE-53, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230. Specify the item, BEA accession number, and price of the product(s) being ordered. For foreign shipment, add 25 percent to the total amount of the order. A check or money order payable to "Bureau of Economic Analysis" must accompany all written orders. Be sure to include a return address.

For further information about these products or how to order them, or to place an order using MasterCard or VISA, call the Interindustry Economics Division at (202) 523-0792.

8. For more information, see *Personal Consumption Expenditures*, 31-34.

Table 1.—The Make of Commodities by Industries, 1982

[Millions of dollars at producers' prices]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Livestock and livestock products	Other agri- cultural products	Forestry and fishery products	Agricultural, forestry, and fishery services	Iron and ferroalloy ores mining	Non- ferrous metal ores mining	Coal mining	Crude petroleum and natural gas	Stone and clay mining and quarrying	Chemical and fertilizer mineral mining
	For the distribution of commodities produced by an industry, read the row for that industry										
	Commodity number	1	2	3	4	5	6	7	8	9	10
1	Livestock and livestock products	76,555		155	177						
2	Other agricultural products		92,292	1,027	560						
3	Forestry and fishery products			6,094							
4	Agricultural, forestry, and fishery services				13,245						
5	Iron and ferroalloy ores mining					1,705	2				1
6	Nonferrous metal ores mining					128	3,373			17	
7	Coal mining						4	28,627		8	
8	Crude petroleum and natural gas								136,933		
9	Stone and clay mining and quarrying									5,899	1
10	Chemical and fertilizer mineral mining									9	1,697
11	New construction										
12	Repair and maintenance construction										
13	Ordinance and accessories										
14	Food and kindred products										
15	Tobacco manufactures										
16	Broad and narrow fabrics, yarn and thread mills										
17	Miscellaneous textile goods and floor coverings										
18	Apparel										
19	Miscellaneous fabricated textile products										
20	Lumber and wood products, except containers										
21	Wood containers										
22	Household furniture										
23	Other furniture and fixtures										
24	Paper and allied products, except containers										
25	Paperboard containers and boxes										(*)
26	Printing and publishing										
27	Chemicals and selected chemical products								36	1	429
28	Plastics and synthetic materials										
29	Drugs, cleaning and toilet preparations										
30	Paints and allied products										
31	Petroleum refining and related industries									142	
32	Rubber and miscellaneous plastics products										
33	Leather tanning and finishing										
34	Footwear and other leather products										
35	Glass and glass products										
36	Stone and clay products									246	1
37	Primary iron and steel manufacturing										
38	Primary nonferrous metals manufacturing									6	
39	Metal containers										
40	Heating, plumbing, and fabricated structural metal products										
41	Screw machine products and stampings										
42	Other fabricated metal products										
43	Engines and turbines										
44	Farm and garden machinery										
45	Construction and mining machinery										
46	Materials handling machinery and equipment										
47	Metalworking machinery and equipment										
48	Special industry machinery and equipment										
49	General industrial machinery equipment									2	
50	Miscellaneous machinery, except electrical										
51	Office, computing, and accounting machines										
52	Service industry machines										
53	Electric industrial equipment and apparatus										
54	Household appliances										
55	Electric lighting and wiring equipment										
56	Radio, TV, and communication equipment										
57	Electronic components and accessories										
58	Miscellaneous electrical machinery and supplies										
59	Motor vehicles and equipment										
60	Aircraft and parts										
61	Other transportation equipment										
62	Scientific and controlling instruments										
63	Optical, ophthalmic, and photographic equipment										
64	Miscellaneous manufacturing										
65	Transportation and warehousing										
66	Communications, except radio and TV										
67	Radio and television broadcasting										
68	Private electric, gas, water, and sanitary services								117		
69	Wholesale and retail trade										
70	Finance and insurance										
71	Real estate and rental										
72	Hotels; personal and repair services (except auto)										
73	Business and professional services except medical										
74	Eating and drinking places										
75	Automobile repair and services										
76	Amusements										
77	Health, educational, and social services and nonprofit organizations										
78	Federal Government enterprises										
79	State and local government enterprises										
80	Government industry										
81	Rest of the world industry										
82	Household industry										
83	Inventory valuation adjustment										
84											
85											
T	Total commodity output	76,555	92,292	7,276	13,982	1,833	3,380	28,631	137,088	6,331	2,129

* Less than \$500,000.

Table 1.—The Make of Commodities

[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	New construction	Repair and maintenance construction	Ordnance and accessories	Food and kindred products	Tobacco manufactures	Broad and narrow fabrics, yarn and thread mill	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products, except containers
	For the distribution of commodities produced by an industry, read the row for that industry										
	Commodity number	11	12	13	14	15	16	17	18	19	20
1	Livestock and livestock products				3,421						
2	Other agricultural products				686						155
3	Forestry and fishery products										
4	Agricultural, forestry, and fishery services										
5	Iron and ferroalloy ores mining										
6	Nonferrous metal ores mining										
7	Coal mining										
8	Crude petroleum and natural gas										
9	Stone and clay mining and quarrying										
10	Chemical and fertilizer mineral mining										
11	New construction	319,130									
12	Repair and maintenance construction		119,661								
13	Ordnance and accessories			16,196							
14	Food and kindred products				276,864						
15	Tobacco manufactures					19,622					
16	Broad and narrow fabrics, yarn and thread mills						26,827	247	156	1,442	1
17	Miscellaneous textile goods and floor coverings						156	10,155	40	66	1
18	Apparel						91	6	53,652	188	2
19	Miscellaneous fabricated textile products				2		16	29	36	9,846	7
20	Lumber and wood products, except containers				1			1			39,995
21	Wood containers										34
22	Household furniture										42
23	Other furniture and fixtures										45
24	Paper and allied products, except containers										89
25	Paperboard containers and boxes										3
26	Printing and publishing										2
27	Chemicals and selected chemical products										4
28	Plastics and synthetic materials										
29	Drugs, cleaning and toilet preparations										
30	Paints and allied products										
31	Petroleum refining and related industries										
32	Rubber and miscellaneous plastics products										
33	Leather tanning and finishing										
34	Footwear and other leather products										
35	Glass and glass products										
36	Stone and clay products										
37	Primary iron and steel manufacturing										
38	Primary nonferrous metals manufacturing										
39	Metal containers										
40	Heating, plumbing, and fabricated structural metal products										
41	Screw machine products and stampings										
42	Other fabricated metal products										
43	Engines and turbines										
44	Farm and garden machinery										
45	Construction and mining machinery										
46	Materials handling machinery and equipment										
47	Metalworking machinery and equipment										
48	Special industry machinery and equipment										
49	General industrial machinery equipment										
50	Miscellaneous machinery, except electrical										
51	Office, computing, and accounting machines										
52	Service industry machines										
53	Electric industrial equipment and apparatus										
54	Household appliances										
55	Electric lighting and wiring equipment										
56	Radio, TV, and communication equipment										
57	Electronic components and accessories										
58	Miscellaneous electrical machinery and supplies										
59	Motor vehicles and equipment										
60	Aircraft and parts										
61	Other transportation equipment										
62	Scientific and controlling instruments										
63	Optical, ophthalmic, and photographic equipment										
64	Miscellaneous manufacturing										
65	Transportation and warehousing										
66	Communications, except radio and TV										
67	Radio and television broadcasting										
68	Private electric, gas, water, and sanitary services										
69	Wholesale and retail trade										
70	Finance and insurance										
71	Real estate and rental										
72	Hotels; personal and repair services (except auto)										
73	Business and professional services except medical										
74	Eating and drinking places										
75	Automobile repair and services										
76	Amusements										
77	Health, educational, and social services and nonprofit organizations										
78	Federal Government enterprises										
79	State and local government enterprises										
82	Government industry										
83	Rest of the world industry										
84	Household industry										
85	Inventory valuation adjustment										
T	Total commodity output	319,130	119,661	18,260	281,251	19,670	27,194	11,087	54,004	11,788	40,588

* Less than \$500,000.

by Industries, 1982—Continued
at producers' prices]

Wood containers	Household furniture	Other furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes	Printing and publishing	Chemicals and selected chemical products	Plastics and synthetic materials	Drugs, cleaning and toilet preparations	Paints and allied products	Petroleum refining and related industries	Rubber and miscellaneous plastics products	Leather tanning and finishing	Footwear and other leather products	Glass and glass products	Stone and clay products	Industry number
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
																1
																2
																3
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619	12,523	11,087	58,758	18,613	54,403	90,664	30,466	47,912	8,547	201,944	55,695	1,728	7,400	12,444	31,935	T

Table 1.—The Make of Commodities

[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity For the distribution of commodities produced by an industry, read the row for that industry Commodity number	Primary iron and steel manufacturing	Primary nonferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products	Engines and turbines	Farm and garden machinery	Construction and mining machinery	Materials handling machinery and equipment
		37	38	39	40	41	42	43	44	45	46
1	Livestock and livestock products										
2	Other agricultural products										
3	Forestry and fishery products										
4	Agricultural, forestry, and fishery services										
5	Iron and ferroalloy ores mining										
6	Nonferrous metal ores mining										
7	Coal mining	1									
8	Crude petroleum and natural gas										
9	Stone and clay mining and quarrying										
10	Chemical and fertilizer mineral mining										
11	New construction										
12	Repair and maintenance construction										
13	Ordnance and accessories	13	7		31	6	12	29		1	
14	Food and kindred products			11		3			4		
15	Tobacco manufactures			1							
16	Broad and narrow fabrics, yarn and thread mills				(*)		3				
17	Miscellaneous textile goods and floor coverings		1		1	1	11				
18	Apparel						1				1
19	Miscellaneous fabricated textile products				1	4	4		1		1
20	Lumber and wood products, except containers	1			76	1	12				(*)
21	Wood containers						1				
22	Household furniture				4	5	12				
23	Other furniture and fixtures	7			39	9	20	1	1		5
24	Paper and allied products, except containers				1	1	132				
25	Paperboard containers and boxes	(*)		13		34	6				
26	Printing and publishing	1	1		1	1	57				1
27	Chemicals and selected chemical products	23	26		1	1	11	1	1		
28	Plastics and synthetic materials	1					1				
29	Drugs, cleaning and toilet preparations	1					6				
30	Paints and allied products				1						
31	Petroleum refining and related industries		16				1				
32	Rubber and miscellaneous plastics products	11	57	22	33	56	117		3	1	5
33	Leather tanning and finishing						2				
34	Footwear and other leather products						6				
35	Glass and glass products		1		6		10				
36	Stone and clay products	6	4		27	4	27				7
37	Primary iron and steel manufacturing	56,126	376		208	74	1,594		16	5	4
38	Primary nonferrous metals manufacturing	346	45,224	1	159	14	221		-1	1	
39	Metal containers			11,498	2	43	48		2		
40	Heating, plumbing, and fabricated structural metal products	120	55	2	35,561	90	284	3	36	82	43
41	Screw machine products and stampings	32	12	43	68	19,988	113	4	56	23	4
42	Other fabricated metal products	312	93	2	159	142	33,780	1	8	58	20
43	Engines and turbines	11			69	7	49	11,060	7	15	10
44	Farm and garden machinery	107			22	21	22	121	11,845	223	10
45	Construction and mining machinery	199			91	2	214	62	254	22,063	227
46	Materials handling machinery and equipment	4	3		21	9	17	1	8	96	6,093
47	Metalworking machinery and equipment	61	13		16	53	91	10	31	55	13
48	Special industry machinery and equipment	15	6		37	8	43	4	52	26	34
49	General industrial machinery equipment	32	9		135	44	194	122	46	170	63
50	Miscellaneous machinery, except electrical	31	7		21	22	126	3	4	32	14
51	Office, computing, and accounting machines	15			1	2	10		1	1	1
52	Service industry machines	3	6		207	12	91	1	3	1	21
53	Electric industrial equipment and apparatus	1	14		9	25	35	54		1	21
54	Household appliances		11	17	13	139	13		16		1
55	Electric lighting and wiring equipment	153	77		23	19	66		3		2
56	Radio, TV, and communication equipment	1	89		40	2	39		1	1	9
57	Electronic components and accessories	8	42		5	10	43				
58	Miscellaneous electrical machinery and supplies	1	199		3	3	43		1	3	
59	Motor vehicles and equipment	261	35	1	14	833	214	366	40	92	49
60	Aircraft and parts	1			30	2	49	978	5	4	17
61	Other transportation equipment	1			48	5	19	101	174	8	30
62	Scientific and controlling instruments	5	7		22	9	113			6	4
63	Optical, ophthalmic, and photographic equipment		19		1	4	5				
64	Miscellaneous manufacturing	1	7		10	16	72		1		1
65	Transportation and warehousing										
66	Communications, except radio and TV										
67	Radio and television broadcasting										
68	Private electric, gas, water, and sanitary services										
69	Wholesale and retail trade										
70	Finance and insurance										
71	Real estate and rental										
72	Hotels, personal and repair services (except auto)										
73	Business and professional services except medical										
74	Eating and drinking places										
75	Automobile repair and services										
76	Amusements										
77	Health, educational, and social services and nonprofit organizations										
78	Federal Government enterprises										
79	State and local government enterprises										
80	Government industry										
81	Rest of the world industry										
82	Household industry										
83	Inventory valuation adjustment										
84	Household industry										
85	Inventory valuation adjustment										
T	Total commodity output	57,908	46,417	11,609	37,211	21,724	38,054	12,921	12,618	22,972	6,702

* Less than \$500,000.

by Industries, 1982—Continued
at producers' prices

Metal-working machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Office, computing, and accounting machines	Service industry machines	Electric industrial equipment and apparatus	Household appliances	Electric lighting and wiring equipment	Radio, TV, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles and equipment	Aircraft and parts	Other transportation equipment	Industry number
47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	
															1
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	15	11	16	19	1	35		(*)	590	9	1	2	677	1	13
		2			6		1								14
		2													15
		1								(*)					16
															17
															18
	8														19
	1														20
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	219	87	8	9	1	9	23	31	22	1	5	26	92	12	3
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18,227	12,888	23,241	14,868	40,664	15,081	27,813	11,775	11,779	53,304	33,117	11,715	110,259	55,353	26,093	T

Table 1.—The Make of Commodities
[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity For the distribution of commodities produced by an industry, read the row for that industry Commodity number	Scientific and controlling instruments	Optical, ophthalmic, and photographic equipment	Miscellaneous manufacturing	Transportation and warehousing	Communications, except radio and TV	Radio and TV broadcasting	Private electric, gas, water, and sanitary services	Wholesale and retail trade	Finance and insurance
		62	63	64	65	66	67	68	69	70
1	Livestock and livestock products									
2	Other agricultural products				921					
3	Forestry and fishery products									
4	Agricultural, forestry, and fishery services									
5	Iron and ferroalloy ores mining									
6	Nonferrous metal ores mining									
7	Coal mining									
8	Crude petroleum and natural gas							5,235		
9	Stone and clay mining and quarrying									
10	Chemical and fertilizer mineral mining									
11	New construction									
12	Repair and maintenance construction									
13	Ordinance and accessories	10	27	1						
14	Food and kindred products	1		1						
15	Tobacco manufactures			1						
16	Broad and narrow fabrics, yarn and thread mills	11		19						
17	Miscellaneous textile goods and floor coverings	5		9						
18	Apparel	7		15						
19	Miscellaneous fabricated textile products	13		36						
20	Lumber and wood products, except containers	12		10						
21	Wood containers	1								
22	Household furniture	4		44						
23	Other furniture and fixtures	41	1	9						
24	Paper and allied products, except containers	122	155	77						
25	Paperboard containers and boxes			41						
26	Printing and publishing	1	29	167						
27	Chemicals and selected chemical products	3	12	8						
28	Plastics and synthetic materials									
29	Drugs, cleaning and toilet preparations	363	38	52						
30	Paints and allied products			2						
31	Petroleum refining and related industries			1						
32	Rubber and miscellaneous plastics products	119	12	34						
33	Leather tanning and finishing									
34	Footwear and other leather products	6	1	9						
35	Glass and glass products	22		22						
36	Stone and clay products	4	93	4						
37	Primary iron and steel manufacturing	2		1				27		
38	Primary nonferrous metals manufacturing	7	1	1						
39	Metal containers									
40	Heating, plumbing, and fabricated structural metal products	29		14						
41	Screw machine products and stampings	42	1	24						
42	Other fabricated metal products	202	1	41						
43	Engines and turbines	1	1							
44	Farm and garden machinery	9		1						
45	Construction and mining machinery	6		1						
46	Materials handling machinery and equipment	2	1	1						
47	Metalworking machinery and equipment	20	3	7						
48	Special industry machinery and equipment	28	3	4						
49	General industrial machinery equipment	83	11	12						
50	Miscellaneous machinery, except electrical	6	3	8						
51	Office, computing, and accounting machines	40	105	132						
52	Service industry machines	14	1	2						
53	Electric industrial equipment and apparatus	135	49	2						
54	Household appliances	10		33						
55	Electric lighting and wiring equipment	15	5	7						
56	Radio, TV, and communication equipment	369	101	86						
57	Electronic components and accessories	34	62	68						
58	Miscellaneous electrical machinery and supplies	106	24	8						
59	Motor vehicles and equipment	62		5						
60	Aircraft and parts	115	7	3						
61	Other transportation equipment			8						
62	Scientific and controlling instruments	20,961	139	54						
63	Optical, ophthalmic, and photographic equipment	218	19,755	10						
64	Miscellaneous manufacturing	6	37	25,676						
65	Transportation and warehousing				194,575			1,759		
66	Communications, except radio and TV					96,111				
67	Radio and television broadcasting						1,101			
68	Private electric, gas, water, and sanitary services							220,607		
69	Wholesale and retail trade								577,029	
70	Finance and insurance									241,041
71	Real estate and rental									
72	Hotels; personal and repair services (except auto)									
73	Business and professional services except medical									
74	Eating and drinking places									
75	Automobile repair and services									
76	Amusements									
77	Health, educational, and social services and nonprofit organizations									
78	Federal Government enterprises									
79	State and local government enterprises				62			5,009	1,884	-105
82	Government industry				4,401			24,332	998	73
83	Rest of the world industry									
84	Household industry									
85	Inventory valuation adjustment									
T	Total commodity output	23,268	20,682	26,764	199,960	96,111	1,101	256,968	579,911	241,009

*Less than \$500,000.

by Industries, 1982—Continued
at producers' prices]

Real estate and rental	Hotels; personal and repair services (exc. auto)	Business and professional services except medical	Eating and drinking places	Auto-mobile repair and services	Amuse-ments	Health, educational, and social services and nonprofit organizations	Federal Government enterprises	State and local gov-ernment enter-prises	Scrap and used goods	Government industry	Rest of the world industry	Household industry	Inventory valuation adjustment	Total interme-diate use	Industry number
71	72	73	74	75	76	77	78	79	81	82	83	84	85	99	
					25									80,333	1
					78									95,720	2
														6,094	3
														13,245	4
														1,708	5
														3,520	6
														28,642	7
														149,599	8
														6,056	9
														3,089	10
														319,130	11
														119,661	12
														17,808	13
									6					277,396	14
									24					19,655	15
														30,221	16
														10,621	17
														54,031	18
														10,104	19
									21					40,432	20
									4					598	21
									2					12,672	22
									2					10,991	23
									54					59,776	24
									109					18,807	25
		32,121							64					86,803	26
									127					77,749	27
									18					28,123	28
									1					48,150	29
									(*)					8,532	30
									8					206,706	31
									33					54,707	32
														1,732	33
														7,367	34
									7					12,427	35
									9					32,119	36
									209					59,033	37
									423					47,099	38
									215					12,006	39
									63					36,997	40
									134					21,474	41
									87					36,145	42
									12					12,217	43
									8					12,598	44
									16					23,736	45
									3					6,581	46
									8					17,247	47
									4					12,470	48
									16					23,243	49
									3					14,950	50
									9					40,697	51
									24					15,480	52
									26					26,733	53
									11					12,120	54
									8					11,818	55
									22					53,333	56
									62					32,793	57
									19					11,880	58
									116					111,241	59
									22					58,439	60
									15					26,565	61
									68					22,638	62
									41					21,253	63
		1,338							34					27,993	64
									86					196,419	65
														96,111	66
		14,614												15,715	67
								108						221,389	68
														577,029	69
														242,008	70
94		872												473,823	71
473,823														70,103	72
528	69,514	61												268,217	73
	14	268,203												143,209	74
			143,035						174					61,079	75
				60,993										43,517	76
					42,652									307,654	77
						307,493								33,303	78
187			1,514		61									44,347	79
4,452	3			424	322		24,687		9,318					337,370	82
										337,370				49,088	83
											49,088			7,596	84
												7,596		-11,299	85
479,084	69,531	318,321	144,549	61,417	43,138	307,493	24,687	9,426	2,423	337,370	49,088	7,596	-11,299	5,939,773	T

Table 2.—The Use of Commodities
[Millions of dollars]

Commodity number	For the distribution of output of a commodity, read the row for that commodity	Livestock and livestock products	Other agricultural products	Forestry and fishery products	Agricultural, forestry, and fishery services	Iron and ferroalloy ores mining	Non-ferrous metal ores mining	Coal mining	Crude petroleum and natural gas	Stone and clay mining and quarrying	Chemical and fertilizer mineral mining
	For the composition of inputs to an industry, read the column for that industry										
	Industry number										
		1	2	3	4	5	6	7	8	9	10
1	Livestock and livestock products	16,358	1,580	13	570						
2	Other agricultural products		24,596	3,091		1,128					
3	Forestry and fishery products			75	41						
4	Agricultural, forestry, and fishery services	2,091	5,281	823	6		(*)	1	3	1	1
5	Iron and ferroalloy ores mining					83					
6	Nonferrous metal ores mining					7	340				
7	Coal mining	35	5			22	7	3,728		7	3
8	Crude petroleum and natural gas								4,460		
9	Stone and clay mining and quarrying	1	211		2	9	2	29		150	38
10	Chemical and fertilizer mineral mining		(*)				1			9	72
11	New construction										
12	Repair and maintenance construction	711	842	52	207	25	49	265	4,319	67	25
13	Ordinance and accessories			46							
14	Food and kindred products	11,756		177	22			1	(*)	5	(*)
15	Tobacco manufactures										
16	Broad and narrow fabrics, yarn and thread mills		64					1			
17	Miscellaneous textile goods and floor coverings	16	33	64	56						4
18	Apparel										
19	Miscellaneous fabricated textile products		100	20	55			(*)	6	7	(*)
20	Lumber and wood products, except containers	19	20							(*)	
21	Wood containers	2	364					82		(*)	4
22	Household furniture										
23	Other furniture and fixtures										
24	Paper and allied products, except containers	69	219	1	8	(*)	1	4		17	5
25	Paperboard containers and boxes	1	288	1	80		(*)			2	2
26	Printing and publishing	22	27	4	26	1	3	15	91	11	1
27	Chemicals and selected chemical products	234	7,434	27	2,031	34	154	303	641	85	134
28	Plastics and synthetic materials										
29	Drugs, cleaning and toilet preparations	208			1				11		1
30	Paints and allied products			4					19		
31	Petroleum refining and related industries	1,071	5,977	422	825	99	156	792	964	255	109
32	Rubber and miscellaneous plastics products	96	295	4	59	24	77	316	21	56	13
33	Leather tanning and finishing										
34	Footwear and other leather products	25			2			(*)	1		
35	Glass and glass products	3		1	3	(*)	1	(*)	17	2	1
36	Stone and clay products	2	18		7	1	25	78	37	3	2
37	Primary iron and steel manufacturing					47	88	14	(*)	2	
38	Primary nonferrous metals manufacturing					5	9	24		27	7
39	Metal containers			12							
40	Heating, plumbing, and fabricated structural metal products	16	19				11	52	100	522	39
41	Screw machine products and stampings	15					9	30	197		13
42	Other fabricated metal products	132	185	37	34	12	7	102	609	20	10
43	Engines and turbines			23	65	34	53	290	35	75	46
44	Farm and garden machinery	253	673	12	46						
45	Construction and mining machinery										
46	Materials handling machinery and equipment					40	101	1,032	635	203	72
47	Metalworking machinery and equipment			(*)	1	2	4	90	30	5	1
48	Special industry machinery and equipment	86	101					5		6	
49	General industrial machinery equipment	25	46	12	2	34	54	544	267	92	25
50	Miscellaneous machinery, except electrical	42	113	1	4	3	8	243	30	21	1
51	Office, computing, and accounting machines				4						
52	Service industry machines										
53	Electric industrial equipment and apparatus	10	26			3	17	87	331	26	11
54	Household appliances								(*)		
55	Electric lighting and wiring equipment	9	13	1	2	(*)	1	27	35	3	1
56	Radio, TV, and communication equipment				(*)			(*)	1		
57	Electronic components and accessories										
58	Miscellaneous electrical machinery and supplies	31	83	1	14	1	4	5	7	5	1
59	Motor vehicles and equipment	81	217	3	36	4	10	9	16	2	(*)
60	Aircraft and parts										
61	Other transportation equipment			356	7	1	4				
62	Scientific and controlling instruments			9	1	(*)	4	3	4	1	(*)
63	Optical, ophthalmic, and photographic equipment			1	8	(*)	1	3	30	1	(*)
64	Miscellaneous manufacturing	15	18	1	13	3	2	6	16	5	2
65	Transportation and warehousing	2,183	1,127	52	406	41	70	221	472	85	16
66	Communications, except radio and TV	187	219	3	1	8	17	52	204	26	10
67	Radio and television broadcasting										
68	Private electric, gas, water, and sanitary services	1,393	1,378	7	46	321	386	733	2,557	504	477
69	Wholesale and retail trade	2,221	3,572	115	803	47	116	798	627	152	60
70	Finance and insurance	1,323	1,884	122	124	18	72	249	604	78	151
71	Real estate and rental	2,377	5,439		234	33	179	827	23,674	111	87
72	Hotels; personal and repair services (except auto)	64	118	15	137	5	11	9	65	65	16
73	Business and professional services except medical	632	1,021	270	380	40	136	445	3,110	164	65
74	Eating and drinking places			13	96	3	9	29	212	19	5
75	Automobile repair and services	322	568	42	369	56	129	110	178	10	3
76	Amusements				164			(*)	4	1	1
77	Health, educational, and social services and nonprofit organizations	687	46	14	22	3	8	36	59	8	5
78	Federal Government enterprises	15	18	6	46	5	13	3	4	10	8
79	State and local government enterprises	14	36	3	14	2	4	4	6	1	2
80	Noncomparable imports		(*)		19	4	11	1	418	2	2
81	Scrap, used, and secondhand goods										
82	Government industry										
83	Rest of the world industry										
84	Household industry										
85	Inventory valuation adjustment										
1	Total intermediate inputs	69,449	42,764	2,861	8,223	1,113	2,486	11,937	45,371	2,487	1,594
88	Compensation of employees	2,433	7,184	541	4,091	690	1,762	9,958	10,560	2,039	875
89	Indirect business taxes	1,007	2,491	183		158	287	2,011	23,698	270	126
90	Other value added	7,444	43,280	2,509	930	-252	-1,014	4,375	69,970	1,260	495
VA	Value added	10,884	52,956	3,232	5,021	596	1,034	16,705	104,228	3,569	1,496
T	Total industry input	80,333	95,720	6,094	13,245	1,708	3,520	28,642	149,599	6,056	3,089

* Less than \$500,000.

by Industries, 1982
at producers' prices]

New construction	Repair and maintenance construction	Ordnance and accessories	Food and kindred products	Tobacco manufactures	Broad and narrow fabrics, yarn and thread mill	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products, except containers	Wood containers	Household furniture	Other furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes	Printing and publishing	Chemicals and selected chemical products	Commodity number
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
.....	.....	.....	55,016	.....	56	98	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
.....	.....	.....	19,132	3,131	1,600	1	17	.....	.....	.....	.....	.....	.....	.....	.....	49	2
.....	.....	.....	2,570	.....	.....	.....	135	.....	4,314	.....	.....	.....	59	.....	.....	64	3
144	342	2	10	(*)	4	(*)	(*)	.....	13	(*)	(*)	.....	5	(*)	2	.....	4
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20	.....	.....	204	5
4	.....	5	136	13	40	9	9	3	18	(*)	5	2	305	2	12	437	6
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	204	7
1,383	1,191	.....	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	215	.....	.....	1,762	8
.....	.....	.....	37	.....	.....	.....	.....	.....	.....	.....	.....	.....	27	.....	.....	210	9
156	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,764	10
220	76	91	508	16	115	27	85	18	225	5	107	74	227	43	202	413	12
17	1	1,218	.....	.....	(*)	.....	(*)	.....	(*)	.....	.....	.....	.....	.....	.....	.....	13
2	(*)	(*)	49,044	1	1	3	4	2	2	(*)	24	2	294	2	7	307	14
.....	.....	.....	.....	3,365	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
.....	.....	1	.....	.....	8,547	1,840	10,627	2,854	.....	.....	786	18	497	.....	60	.....	16
1,109	379	(*)	26	.....	266	886	99	768	15	.....	233	218	346	.....	44	.....	17
59	17	4	8	1	2	6	11,296	152	5	(*)	7	1	6	1	3	1	18
40	62	(*)	40	.....	19	946	.....	410	.....	.....	60	3	(*)	.....	1	28	19
13,705	2,797	40	35	1	6	2	.....	14	12,797	269	1,566	661	4,541	.....	2	64	20
.....	.....	.....	75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21
512	100	.....	.....	.....	.....	.....	.....	.....	.....	.....	22	(*)	.....	.....	.....	.....	22
570	298	7	2,229	94	34	41	44	17	18	(*)	21	13	9,786	7,614	13,804	392	24
8	3	17	5,056	601	208	54	210	84	103	36	134	119	880	735	168	399	25
187	40	36	2,073	267	27	8	81	21	28	1	24	12	62	16	7,098	223	26
1,409	538	99	2,145	40	764	518	141	71	680	.....	70	101	3,102	406	1,985	18,506	27
.....	.....	30	103	.....	5,051	2,613	1,404	104	30	4	43	5	1,269	174	16	783	28
-9	19	2	1,445	17	137	29	285	.....	.....	.....	.....	.....	190	.....	.....	238	29
1,730	1,799	2	.....	.....	4	5	1	.....	250	.....	158	110	19	33	34	254	30
10,878	5,205	57	1,241	121	389	69	531	18	738	7	129	88	1,932	401	1,121	2,489	31
2,140	1,790	135	4,054	90	321	202	411	293	303	(*)	498	250	1,353	61	858	907	32
.....	.....	.....	.....	.....	.....	.....	196	149	.....	.....	68	6	.....	.....	7	.....	33
6	1	1	1	.....	5	.....	3	.....	7	.....	(*)	.....	1	(*)	3	2	34
286	175	3	4,172	1	99	86	.....	.....	72	.....	77	14	3	(*)	1	123	35
16,962	4,351	38	43	3	9	2	4	1	80	2	59	36	86	3	19	60	36
8,109	1,364	537	8	1	4	3	1	1	14	2	170	1,024	2	5	6	225	37
3,570	917	544	.....	.....	.....	.....	.....	.....	22	.....	81	208	41	42	197	365	38
.....	.....	.....	8,528	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	555	39
19,216	5,831	.....	.....	.....	.....	.....	.....	.....	116	.....	.....	.....	.....	.....	173	.....	40
163	61	129	625	.....	.....	.....	.....	.....	496	.....	101	225	.....	.....	1	13	41
6,092	2,593	128	843	98	2	1	13	1	731	3	649	282	371	82	165	687	42
.....	.....	37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	43
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	44
2,003	451	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	45
1,262	363	.....	.....	1	28	.....	2	.....	24	.....	.....	.....	(*)	.....	.....	.....	46
28	11	68	39	5	18	4	13	4	105	1	13	30	.....	.....	23	28	47
.....	.....	.....	189	.....	233	146	110	10	42	2	10	109	17	377	.....	417	48
1,381	191	108	121	5	7	.....	7	.....	68	.....	2	42	44	2	188	49	49
90	34	89	99	14	44	10	31	5	193	2	21	13	73	28	48	67	50
.....	.....	(*)	(*)	.....	.....	.....	.....	.....	.....	.....	.....	.....	(*)	.....	9	(*)	51
2,885	1,225	23	.....	.....	.....	.....	.....	.....	14	.....	.....	.....	.....	.....	.....	38	52
1,649	609	27	.....	.....	.....	.....	.....	.....	22	.....	.....	19	.....	.....	.....	29	53
792	513	.....	.....	.....	(*)	.....	5	(*)	.....	.....	.....	.....	.....	.....	(*)	.....	54
4,622	1,630	1	9	(*)	(*)	(*)	2	(*)	17	(*)	1	3	4	1	4	3	55
2,332	649	611	2	(*)	(*)	(*)	1	(*)	(*)	(*)	1	1	1	(*)	4	1	56
.....	.....	898	.....	.....	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	57
362	84	2	4	1	1	.....	2	.....	10	.....	(*)	(*)	4	1	8	1	58
164	94	1	22	4	7	1	17	.....	19	(*)	4	3	22	8	44	5	59
.....	.....	898	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60
2	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	61
865	360	5	38	3	9	1	8	2	7	1	11	6	29	10	285	77	62
82	35	20	31	2	9	3	14	2	9	(*)	7	4	12	4	570	26	63
455	151	10	29	1	8	3	512	34	10	(*)	26	2	9	4	211	7	64
5,952	2,513	202	7,436	125	309	222	425	81	1,117	31	252	168	2,288	1,013	2,148	2,953	65
1,053	490	105	665	26	59	33	292	40	125	3	41	52	195	76	1,097	233	66
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	67
1,090	359	269	5,064	101	1,230	280	721	131	943	14	198	173	4,247	373	981	7,084	68
22,992	9,493	449	14,485	417	1,305	438	1,859	557	1,766	68	786	634	2,861	275	3,015	3,212	69
1,900	800	71	1,592	159	228	65	545	110	296	13	196	197	315	66	803	523	70
1,555	333	68	604	37	64	41	358	56	137	3	94	86	150	62	1,163	188	71
363	83	30	414	14	283	52	238	55	25	2	18	20	193	9	367	64	72
32,500	2,370	852	10,499	566	994	421	1,595	199	695	25	634	720	1,002	261	4,219	3,172	73
1,031	264	110	557	24	121	36	318	45	149	6	107	64	139	70	1,074	300	74
2,623	617	15	246	34	56	13	143	2	224	3	37	28	193	70	377	53	75
16	4	5	1	1	1	(*)	3	(*)	1	.....	9	4	2	1	15	4	76
11	4	6	107	10	44	3	41	48	112	4	37	21	44	4	190	33	77
148	46	9	385	51	73	30	290	33	47	2	37	38	74	30	1,354	101	78
60	19	5	260	6	22	5	14	.....	11	(*)	3	7	91	6	24	51	79
2	(*)	8	4,083	4	15	196	35	69	.....	.....	21	2	58	2	54	489	80
4	2	3	107	.....	27	26	.....	.....	.....	.....	.....	.....	672	.....	.....	32	81
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	82
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	83
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	84
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	85
179,014	53,770	8,101	206,324	9,470	22,891	8,545	34,142	6,464	27,271	519	7,655	5,933	38,500	12,220	44,281	51,107	I
93,939	50,536	7,600	37,576	2,394	7,189	1,919	16,177	2,793	10,279	212	4,044	3,723	12,825	4,830	29,069	15,273	88
1,328	749	191	6,689	263	65	256	38	457	6	72	67	691	140	730	1,419	89	89
44,849	14,607	1,915	26,807	5,236	-122	93	3,456	810	2,426	-139	901	1,268	7,760	1,617	12,724	9,950	90
140,116	65,892	9,707	71,071	10,185	7,330	2,077	19,889	3,641	13,162	79	5,017	5,058	21,275	6,587	42,523	26,642	VA
319,130	119,661	17,808	277,396	19,655	30,221	10,621	54,031	10,104	40,432	598	12,672	10,991	59,776	18,807	86,803	77,749	T

Table 2.—The Use of Commodities
[Millions of dollars]

Commodity number	For the distribution of output of a commodity, read the row for that commodity For the composition of inputs to an industry, read the column for that industry	Plastics and synthetic materials	Drugs, cleaning and toilet preparations	Paints and allied products	Petroleum refining and related industries	Rubber and miscellaneous plastics products	Leather tanning and finishing	Footwear and other leather products	Glass and glass products	Stone and clay products
		28	29	30	31	32	33	34	35	36
1	Livestock and livestock products		65							
2	Other agricultural products		46	1						
3	Forestry and fishery products		11	39						
4	Agricultural, forestry, and fishery services	1	3	(*)	2	2		(*)	1	2
5	Iron and ferroalloy ores mining			4						25
6	Nonferrous metal ores mining	8		38						21
7	Coal mining	124	20		25	17	1	1	2	392
8	Crude petroleum and natural gas	66		113	131,502	163				
9	Stone and clay mining and quarrying		22	45	252	16			167	2,216
10	Chemical and fertilizer mineral mining			7	22	15	3		9	48
11	New construction									
12	Repair and maintenance construction	84	103	26	489	204	4	15	99	235
13	Ordinance and accessories					(*)				102
14	Food and kindred products	46	462	152	26	5	612	7	1	16
15	Tobacco manufactures									
16	Broad and narrow fabrics, yarn and thread mills	80				552		215		95
17	Miscellaneous textile goods and floor coverings		20		33	882		283		1
18	Apparel	2	1	(*)	(*)	6	(*)	7		2
19	Miscellaneous fabricated textile products	(*)	2	(*)	(*)	8			(*)	3
20	Lumber and wood products, except containers	3	8		47	126		72	130	96
21	Wood containers								62	
22	Household furniture									
23	Other furniture and fixtures									
24	Paper and allied products, except containers	429	129	4	107	429	(*)	6	10	338
25	Paperboard containers and boxes	232	1,036	43	258	661	10	92	712	113
26	Printing and publishing	17	326	60	23	70	1	11	36	30
27	Chemicals and selected chemical products	11,715	2,169	1,732	2,762	2,768	246	96	1,254	963
28	Plastics and synthetic materials	752	138	969	56	10,245		78		254
29	Drugs, cleaning and toilet preparations	171	4,668	57	351	21	61	26		49
30	Paints and allied products	78	81	89	7	47				25
31	Petroleum refining and related industries	407	657	143	17,497	438	25	15	130	499
32	Rubber and miscellaneous plastics products	940	1,392	17	315	2,176	(*)	309	139	124
33	Leather tanning and finishing					2	97	1,224		
34	Footwear and other leather products	(*)	(*)	(*)	3	1		294	2	(*)
35	Glass and glass products	16	545	14	204	269			857	53
36	Stone and clay products	13	48	72	157	124	5	5	138	3,610
37	Primary iron and steel manufacturing	(*)	1	27	48	159		2	6	91
38	Primary nonferrous metals manufacturing	5	6	73		88			4	153
39	Metal containers	26	536	476	153					(*)
40	Heating, plumbing, and fabricated structural metal products		26			16				5
41	Screw machine products and stampings		213	16		241		24	31	38
42	Other fabricated metal products	11	363	54	327	501	(*)	56	3	360
43	Engines and turbines					20				5
44	Farm and garden machinery									
45	Construction and mining machinery									103
46	Materials handling machinery and equipment					4		1		2
47	Metalsworking machinery and equipment	16	11	2	17	93	1	8	90	26
48	Special industry machinery and equipment	9				103		6	8	
49	General industrial machinery equipment	86	157	1	4	21		(*)	7	29
50	Miscellaneous machinery, except electrical	34	26	4	43	157	2	16	57	62
51	Office, computing, and accounting machines		(*)		(*)	(*)				
52	Service industry machines									
53	Electric industrial equipment and apparatus								26	8
54	Household appliances					(*)		1	1	1
55	Electric lighting and wiring equipment	1	2	(*)	11	63	(*)	(*)	4	29
56	Radio, TV, and communication equipment	(*)	1	(*)	(*)	1		(*)	(*)	(*)
57	Electronic components and accessories					30				
58	Miscellaneous electrical machinery and supplies		8		1	10			1	1
59	Motor vehicles and equipment	1	11	1	36	10	(*)		3	8
60	Aircraft and parts									
61	Other transportation equipment									
62	Scientific and controlling instruments	4	35	6	20	35		2	16	(*)
63	Optical, ophthalmic, and photographic equipment	6	22	3	8	16	(*)	3	5	13
64	Miscellaneous manufacturing	3	20	6	5	18	(*)	104	2	26
65	Transportation and warehousing	687	690	304	8,108	1,513	42	116	457	2,522
66	Communications, except radio and TV	98	232	41	204	560	6	24	267	174
67	Radio and television broadcasting									
68	Private electric, gas, water, and sanitary services	1,634	803	112	5,595	1,830	46	82	1,340	2,076
69	Wholesale and retail trade	1,249	2,660	392	4,600	2,692	125	338	578	898
70	Finance and insurance	108	485	51	1,457	347	9	129	96	298
71	Real estate and rental	51	269	24	437	307	4	50	52	114
72	Hotels; personal and repair services (except auto)	75	128	18	67	75	30	51	27	54
73	Business and professional services except medical	1,142	5,312	238	1,849	1,257	29	348	439	951
74	Eating and drinking places	63	206	43	74	201	5	58	52	144
75	Automobile repair and services	64	87	18	65	92	3	14	57	82
76	Amusements	1	5	2	2	4		(*)	1	1
77	Health, educational, and social services and nonprofit organizations	30	209	12	101	133	1	4	10	30
78	Federal Government enterprises	20	121	28	92	79	5	81	29	62
79	State and local government enterprises	11	38	2	13	16	9	(*)	6	8
80	Noncomparable imports	77	332	68	310	865	(*)	1	61	88
81	Scrap, used and secondhand goods					4			95	
82	Government industry									
83	Rest of the world industry									
84	Household industry									
85	Inventory valuation adjustment									
86	Total intermediate inputs	20,694	24,963	5,645	177,781	30,804	1,381	4,266	7,603	17,832
88	Compensation of employees	5,882	10,922	1,952	8,117	16,053	409	2,463	4,553	9,807
89	Indirect business taxes	420	302	56	4,767	1,202	10	28	173	460
90	Other value added	1,127	11,963	880	16,041	6,648	-68	612	98	4,020
VA	Value added	7,428	23,187	2,888	28,925	23,903	351	3,102	4,824	14,287
T	Total industry output	28,123	48,150	8,532	206,706	54,707	1,732	7,367	12,427	32,119

* Less than \$500,000.

by Industries, 1982—Continued

at producers' prices]

Primary iron and steel manufacturing	Primary nonferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products	Engines and turbines	Farm and garden machinery	Construction and mining machinery	Materials handling machinery and equipment	Metal-working machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Office, computing, and accounting machines	Service industry machines	Commodity number
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
2	2	(*)	1	(*)	1	1	2	1	(*)	1	(*)	1	1	1	(*)	3
1,554	2,447	.....	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
173	30	1	7	9	15	4	4	8	1	7	1	3	2	1	3	5
2,005	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
33	11	.....	1	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
165	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8
100	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
1,268	201	29	493	228	434	61	97	217	70	90	90	147	155	130	92	11
40	3	(*)	4	1	3	1	1	1	1	2	2	2	1	2	1	12
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13
.....	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
1	(*)	1	1	1	1	2	(*)	1	(*)	.....	.....	128	36	2	.....	16
150	70	16	144	33	161	.....	45	21	14	12	35	62	(*)	(*)	.....	17
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
5	.....	.....	.....	.....	.....	.....	.....	.....	30	.....	.....	.....	.....	.....	.....	20
15	15	5	38	32	10	8	3	5	2	6	4	33	8	119	13	21
45	62	37	126	101	321	15	29	3	3	54	20	92	75	251	87	22
39	31	245	38	15	37	10	10	22	9	26	18	29	29	133	16	23
2,175	1,300	45	121	170	849	4	14	52	10	107	206	33	20	8	93	24
.....	663	25	52	136	.....	.....	.....	.....	.....	.....	.....	15	.....	83	75	25
2	1	9	21	13	18	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	26
24	49	225	138	75	224	6	43	35	10	30	.....	10	7	84	50	27
759	797	54	350	52	302	35	24	74	37	200	86	144	106	268	78	28
106	456	14	341	93	550	67	483	477	88	119	185	274	42	1,346	193	29
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30
2	(*)	.....	(*)	.....	.....	.....	(*)	(*)	.....	(*)	.....	.....	(*)	1	(*)	31
4	26	(*)	243	32	83	(*)	(*)	(*)	.....	(*)	27	1	(*)	1	18	32
381	178	12	77	48	147	81	34	115	34	192	78	175	231	143	90	33
10,772	316	2,529	7,533	5,105	5,021	1,793	1,183	3,109	591	1,411	1,134	2,574	737	269	882	34
1,250	16,404	2,514	2,801	904	2,131	582	107	125	80	270	506	1,002	437	381	752	35
1	760	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	36
.....	.....	.....	1,458	.....	104	135	.....	542	220	187	183	186	80	300	189	37
277	137	6	1,441	314	398	141	237	95	95	114	101	270	109	253	309	38
510	342	154	1,262	454	1,474	290	102	576	141	143	187	355	344	358	206	39
25	.....	.....	2	.....	70	1,104	729	459	70	.....	156	148	65	.....	67	40
.....	.....	.....	.....	.....	.....	.....	1,259	.....	.....	.....	.....	.....	.....	.....	.....	41
.....	.....	.....	.....	.....	.....	.....	.....	1,221	.....	.....	.....	.....	.....	.....	.....	42
14	14	.....	.....	.....	.....	.....	.....	.....	311	.....	6	.....	.....	.....	.....	43
401	594	19	152	272	169	100	49	168	35	737	158	236	353	50	125	44
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	45
786	495	3	394	35	91	277	427	746	310	232	446	1,620	284	53	288	46
186	93	23	109	920	188	341	314	311	102	370	339	462	1,008	55	250	47
14	.....	.....	(*)	.....	.....	.....	(*)	(*)	.....	(*)	.....	24	(*)	7,286	(*)	48
4	.....	.....	68	.....	.....	.....	.....	.....	.....	.....	6	.....	.....	1,233	.....	49
463	244	1	208	34	112	529	34	202	296	510	770	967	45	1,252	1,153	50
(*)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51
9	4	(*)	4	11	1	(*)	7	1	(*)	8	1	1	1	144	104	52
(*)	(*)	(*)	1	(*)	1	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	3	(*)	53
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,790	.....	54
3	2	(*)	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	53	.....	55
7	14	2	19	10	9	14	56	14	1	7	2	4	3	10	2	56
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	57
3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	58
26	13	2	49	5	14	2	3	4	2	5	4	23	5	28	198	59
15	10	2	14	5	13	4	4	8	3	10	6	10	4	25	6	60
12	7	1	21	5	14	2	2	9	4	7	3	4	6	39	23	61
2,471	2,191	236	674	335	661	136	221	266	61	197	170	315	165	677	237	62
391	241	29	404	255	787	67	43	129	50	117	103	158	71	368	94	63
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	64
5,421	3,293	249	586	505	885	208	176	393	84	292	197	427	261	420	237	65
3,439	2,480	657	2,307	1,102	2,062	660	1,081	1,243	408	673	878	1,406	518	3,357	1,247	66
312	355	61	243	183	359	67	52	119	38	118	125	169	247	556	75	67
102	142	39	179	106	157	24	22	71	28	116	80	87	154	366	51	68
80	87	16	225	31	62	19	17	43	12	41	37	74	40	367	44	69
2,998	943	294	651	884	1,246	259	455	799	203	576	454	756	971	951	485	70
147	108	21	181	62	169	30	46	88	30	115	74	121	126	305	68	71
68	120	18	108	64	82	28	8	20	13	63	22	38	70	88	19	72
11	2	(*)	4	1	2	1	(*)	1	1	1	1	5	2	4	1	73
115	30	11	46	50	35	4	4	5	3	22	6	28	29	27	16	74
33	54	5	64	34	69	17	31	33	15	28	38	54	22	42	11	75
78	17	5	11	6	20	4	2	4	6	6	2	6	3	9	4	76
1,541	967	4	11	8	27	19	25	87	9	85	28	19	8	434	1	77
.....	2,617	.....	59	.....	31	24	15	8	.....	4	.....	26	.....	.....	.....	78
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	79
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	80
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	81
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	82
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	83
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	84
41,042	38,698	8,379	23,450	12,740	19,782	7,321	7,592	11,942	3,548	7,325	7,297	12,770	6,975	24,892	9,286	85
21,285	10,396	2,121	11,475	8,181	12,556	4,003	3,430	7,604	2,462	8,250	5,083	9,027	7,138	12,530	4,637	86
797	387	69	344	314	329	132	107	267	47	183	110	227	214	369	107	87
-4,090	-2,382	1,437	1,728	239	3,479	760	1,469	3,923	523	1,484	-19	1,220	623	2,905	1,450	88
17,991	8,401	3,627	13,547	8,734	16,363	4,896	5,006	11,794	3,033	9,922	5,173	10,473	7,974	15,804	6,194	89
59,033	47,099	12,006	36,997	21,474	36,145	12,217	12,598	23,736	6,581	17,247	12,470	23,243	14,950	40,697	15,480	90
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Table 2.—The Use of Commodities

[Millions of dollars]

Commodity number	For the distribution of output of a commodity, read the row for that commodity For the composition of inputs to an industry, read the column for that industry	Electric industrial equipment and apparatus	Household appliances	Electric lighting and wiring equipment	Radio, TV, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles and equipment	Aircraft and parts	Other transportation equipment
		53	54	55	56	57	58	59	60	61
1	Livestock and livestock products									
2	Other agricultural products									
3	Forestry and fishery products									
4	Agricultural, forestry, and fishery services	2	(*)	1	3	2	1	4	3	1
5	Iron and ferroalloy ores mining						3			
6	Nonferrous metal ores mining						129			
7	Coal mining	7	6	2	6	2	3	38	7	6
8	Crude petroleum and natural gas									
9	Stone and clay mining and quarrying							1		
10	Chemical and fertilizer mineral mining									
11	New construction									
12	Repair and maintenance construction	188	55	32	187	197	65	498	243	617
13	Ordnance and accessories	2	1	1	(*)	4	1	(*)	2	(*)
14	Food and kindred products								5	3
15	Tobacco manufactures									
16	Broad and narrow fabrics, yarn and thread mills		32	12				28	94	8
17	Miscellaneous textile goods and floor coverings	5					3	213		206
18	Apparel	2	1	1	11	12	1	5	4	3
19	Miscellaneous fabricated textile products				(*)	(*)	(*)	1,660	139	205
20	Lumber and wood products, except containers	40	108	31	56		5	120	33	899
21	Wood containers		2							
22	Household furniture				360	26			7	119
23	Other furniture and fixtures		2					113	219	62
24	Paper and allied products, except containers	135	20	4	78	46	6	86	14	52
25	Paperboard containers and boxes	116	239	175	111	84	85	68	5	13
26	Printing and publishing	43	13	16	235	49	28	53	65	22
27	Chemicals and selected chemical products	151	79	138	146	1,128	674	249	47	95
28	Plastics and synthetic materials	74	203	259	211	142	88	314	34	96
29	Drugs, cleaning and toilet preparations							9		1
30	Paints and allied products	60	88	43	50	2	26	486	59	162
31	Petroleum refining and related industries	286	24	77	114	139	112	611	263	277
32	Rubber and miscellaneous plastics products	310	321	148	1,481	2,318	327	4,357	555	321
33	Leather tanning and finishing									
34	Footwear and other leather products	(*)				1	(*)			(*)
35	Glass and glass products	13	159	490	38	311	3	475	13	122
36	Stone and clay products	236	109	30	28	57	14	526	153	237
37	Primary iron and steel manufacturing	1,254	993	584	219	192	156	6,495	1,251	1,392
38	Primary nonferrous metals manufacturing	1,584	412	673	914	2,132	818	1,699	1,690	501
39	Metal containers									
40	Heating, plumbing, and fabricated structural metal products	123			195	73	3	147	52	800
41	Screw machine products and stampings	323	251	401	441	419	184	6,129	591	261
42	Other fabricated metal products	245	409	205	535	1,160	299	1,836	474	480
43	Engines and turbines	132						1,770		678
44	Farm and garden machinery									
45	Construction and mining machinery							(*)		238
46	Materials handling machinery and equipment							14		3
47	Metalworking machinery and equipment	85	35	36	62	87	34	612	641	74
48	Special industry machinery and equipment									4
49	General industrial machinery equipment	82	114	8	51	4	41	806	263	663
50	Miscellaneous machinery, except electrical	136	19	35	75	104	47	1,750	593	161
51	Office, computing, and accounting machines	67			281	87	(*)	(*)	(*)	
52	Service industry machines		405	8				1,905		103
53	Electric industrial equipment and apparatus	2,189	705	285	289	157	214	193	86	289
54	Household appliances		29					(*)		214
55	Electric lighting and wiring equipment	87	172	397	192	38	74	357	1	118
56	Radio, TV, and communication equipment	1	(*)	(*)	2,418	6	(*)	420	711	90
57	Electronic components and accessories	1,237	10	57	8,686	6,305	979	273	1,526	11
58	Miscellaneous electrical machinery and supplies	1	2	87	33	9	897	1,314	109	74
59	Motor vehicles and equipment	5		2	3	4	4	25,308	4	602
60	Aircraft and parts	41						25	10,214	45
61	Other transportation equipment									786
62	Scientific and controlling instruments	9	324	3	92	12	4	390	1,195	100
63	Optical, ophthalmic, and photographic equipment	13	4	6	58	18	9	23	243	8
64	Miscellaneous manufacturing	17	41	28	28	16	3	27	19	33
65	Transportation and warehousing	460	193	232	436	501	288	2,250	871	356
66	Communications, except radio and TV	516	60	86	514	369	95	224	334	129
67	Radio and television broadcasting									
68	Private electric, gas, water, and sanitary services	501	222	224	617	701	225	1,359	704	320
69	Wholesale and retail trade	1,722	987	863	3,027	2,454	895	8,338	1,366	1,464
70	Finance and insurance	342	115	173	344	466	191	448	964	155
71	Real estate and rental	121	24	62	318	192	53	95	174	426
72	Hotels; personal and repair services (except auto)	161	42	86	366	162	115	136	666	36
73	Business and professional services except medical	1,167	357	364	2,105	997	688	2,347	2,555	644
74	Eating and drinking places	141	44	62	202	184	129	227	172	88
75	Automobile repair and services	45	15	21	31	30	34	1,159	35	68
76	Amusements	1	(*)	(*)	5	12	13	9	14	13
77	Health, educational, and social services and nonprofit organizations	11	16	8	72	74	6	100	83	9
78	Federal Government enterprises	50	57	24	181	50	11	232	146	40
79	State and local government enterprises	8	5	4	11	13	4	45	13	6
80	Noncomparable imports	94	61	11	219	130	29	483	92	7
81	Scrap, used and secondhand goods	(*)	1	1				82	216	
82	Government industry									
83	Rest of the world industry									
84	Household industry									
85	Inventory valuation adjustment									
1	Total intermediate inputs	14,637	7,583	6,508	26,146	21,675	8,192	79,093	29,812	15,014
88	Compensation of employees	10,878	3,361	4,086	21,729	13,902	4,193	23,648	23,049	9,880
89	Indirect business taxes	246	81	98	427	494	136	1,658	397	162
90	Other value added	972	1,096	1,126	5,031	-3,280	-640	6,842	5,181	1,509
T	Value added	12,096	4,537	5,310	27,186	11,117	3,689	32,147	28,627	11,551
T	Total industry output	26,733	12,120	11,818	53,333	32,793	11,880	111,241	58,439	26,565

* Less than \$500,000.

by Industries, 1982—Continued

at producers' prices]

Scientific and controlling instruments	Optical, ophthalmic, and photo- graphic equipment	Miscel- laneous manufac- turing	Transpor- tation and ware- housing	Communi- cations, except radio and TV	Radio and TV broad- casting	Private electric, gas, water, and sanitary services	Wholesale and retail trade	Finance and insurance	Real estate and rental	Hotels, personal and repair services (exc. auto)	Business and professional services except medical	Eating and drinking places	Auto- mobile repair and services	Amuse- ments	Health, educational, and social services and nonprofit organizations	Commodity number	
62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77		
		3	1							2	7	414		40	124	1	
		29	3							23		1,038		4	136	2	
1	2	(*)	2							1		1,173		2	33	3	
		3	12	2	2	22	171	18	2,981	133	34	13	2	336	308	4	
																5	
23																6	
4	20	4	15			14,117	28		(*)	7	3	6	2	2	24	7	
(*)		37	206			38,714									(*)	8	
																9	
77	64	165	5,367	3,861	164	8,326	3,711	1,511	24,174	1,065	869	663	153	408	9,528	11	
51	1	49	249	1	3	(*)	3	(*)	(*)	(*)	72	(*)	2	(*)	1	13	
																14	
330		349	2													15	
167	17	144	52							157				38	27	17	
6	1	9	60	28	(*)	3	52		(*)	28	3	13	9	5	17	18	
	(*)	118	128	1	(*)	(*)	57		(*)	234	20	(*)	20	42	223	19	
104		776	28		(*)	(*)	131	98	4	505	27	19	(*)	48	445	20	
		3					105		10	16	26	23	2	118	101	21	
3							82									22	
										1				1		23	
198	215	345	115	61	8	108	5,139	571	316	1	3	1	(*)	100	2,328	24	
173	96	458	47	16	(*)	6	1,685	1	7	9	22	876	1	2	84	25	
78	29	137	476	473	36	146	2,242	3,608	611	389	3,147	128	28	140	7,410	26	
208	668	537	172	38	13	657	71	6	293	220	446	66	12	65	3,830	27	
169	218	620														28	
3		1	5	20		5	141	15	33	766	421	180	4	12	4,389	29	
30	1	164	55	79						1	97		579	1	18	30	
210	157	314	26,426	299	18	7,138	11,816	1,097	940	958	1,947	515	1,218	171	2,986	31	
512	653	896	1,075	191	1	273	1,238	85	318	746	1,085	1,138	127	137	3,782	32	
		43														33	
6	(*)	50	8	2	1	1	59	21	5	220	18	25	2	20	29	34	
59	147	15	34	7	(*)	52	129	19	4	227	23	364	392	1	412	35	
96	74	157	44	1		11	155	8	24	190	72	42	288	7	149	36	
378	40	471	166	1		2	25	(*)	1	2	11	1	(*)	(*)	13	37	
905	475	1,664	80	34		56				12		5		8		38	
16						10	326									39	
61	2	81				27			87							40	
441	256	165	33	180		87								2,620	14	196	41
296	189	320	909	145	(*)	279	732	8	34	91				2,055	28	193	42
		10	429	303		1,245								76			43
																	44
																	45
																	46
63	25	86	132	2	1	8	123										47
							84										48
41	17	15	700	131		61	32			7							49
88	46	162	564	4	1	45	201	4	4	(*)							50
75	(*)	(*)	43			10	186	294	17	52	698	611	820	7	30	50	
		30	17			2	142			403	1,264	98	27	3	5	138	51
295	73	62	177	181		179				229	98	27	432	16	16		52
		(*)	4	(*)		9				12	195		117				53
40	27	16	51	35	(*)	111	53	22	40	558	50	1		(*)			54
1	(*)	12	28	2,954	41	1	46	31	12	92	112	100	205	33	304	55	
873	1,734	496	48	780	428	5	14	88		35	42	9	60	2	144	56	
25	21	7	66	16	1	22	99	11	99	971	1,602				163	57	
8	4	10	357	9	1	380	443	57	27	7	116	7	355	2	320	58	
			965							25	115	30	8,783	6	118	59	
																60	
																	61
1,131	14	14	1,526	7	1	8	29							5	125	7	62
14	438	23	16	5	1	329	82	8	2	17	100	(*)	41	10	2,193	61	
30	7	1,339	70	64	141	40	307	900	70	304	1,186	12	16	146	879	63	
184	288	546	131	82	7	38	578	436	73	1,208	518	261	16	101	664	64	
195	135	105	26,731	277	139	5,238	5,957	4,703	1,020	573	2,571	2,124	563	299	2,928	65	
			2,297	1,754	146	262	9,068	5,967	1,187	1,222	4,672	602	349	426	3,767	66	
																	67
324	236	403	2,114	827	29	60,031	14,305	1,218	288	3,011	1,410	3,841	503	973	5,141	68	
1,032	831	1,912	4,222	602	92	1,135	7,736	778	628	1,390	2,327	7,333	5,934	295	5,045	69	
154	306	330	3,595	1,226	160	2,968	7,497	53,482	11,137	990	2,662	2,956	364	401	2,009	70	
149	75	197	2,804	1,412	748	559	22,081	7,241	29,149	2,633	7,294	4,123	991	2,378	23,942	71	
38	55	53	490	240	155	378	4,603	1,449	755	1,141	2,215	610	1,028	294	1,530	72	
846	1,036	1,937	6,086	2,134	457	1,841	46,559	20,046	8,395	4,548	30,583	4,014	1,306	4,109	11,921	73	
163	96	362	2,068	458	169	251	11,973	5,561	2,644	403	2,486	826	300	457	2,110	74	
177	57	94	2,703	140	8	152	6,999	394	230	263	1,393	175	268	183	701	75	
15	10	6	33	409	4,988	4	604	79	31	17	174	841	3	6,462	495	76	
72	109	104	285	135	41	218	812	440	262	524	1,224	360	44	213	4,270	77	
60	28	130	222	231	14	526	2,499	4,871	340	328	1,534	216	123	262	1,989	78	
7	4	7	128	17	10	21	518	32	50	149	93	186	42	37	188	79	
48	210	668	5,369	1,916	19	11	1,426	1,377	54	24	1,466	60	5	120	139	80	
			42														81
																	82
																	83
																	84
																	85
10,750	9,205	17,262	100,281	21,790	8,131	146,242	174,780	116,604	86,550	27,543	79,829	79,115	30,860	19,569	111,965	I	
9,030	6,434	7,263	73,765	37,058	5,445	20,952	248,124	102,784	15,457	24,567	107,587	45,928	13,555	13,995	161,235	88	
171	182	202	5,772	6,130	205	9,691	71,100	10,753	71,484	2,873	1,771	6,589	1,493	1,694	1,309	89	
2,687	5,432	3,267	16,601	31,134	1,935	44,504	83,025	11,866	300,333	15,120	79,030	11,577	15,172	8,258	33,145	90	
11,887	12,048	10,732	96,138	74,321	7,584	75,147	402,249	125,403	387,273	42,560	188,388	64,094	30,219	23,948	195,689	VA	
22,638	21,253	27,993	196,419	96,111	15,715	221,389	577,029	242,008	473,823	70,103	268,217	143,209	61,079	43,517	307,654	T	

Table 2.—The Use of Commodities
[Millions of dollars]

Commodity number	For the distribution of output of a commodity, read the row for that commodity For the composition of inputs to an industry, read the column for that industry	Federal Government enterprises	State and local government enterprises	Government industry	Rest of the world industry	Household industry	Inventory valuation adjustment	Total intermediate use
		78	79	82	83	84	85	
1	Livestock and livestock products	8						74,355
2	Other agricultural products	2,013	(*)					56,040
3	Forestry and fishery products	22						8,514
4	Agricultural, forestry, and fishery services	2	78					12,891
5	Iron and ferroalloy ores mining							1,872
6	Nonferrous metal ores mining							3,676
7	Coal mining	736	1,009					23,310
8	Crude petroleum and natural gas							177,019
9	Stone and clay mining and quarrying							6,385
10	Chemical and fertilizer mineral mining		24					2,161
11	New construction							156
12	Repair and maintenance construction	421	9,755					86,456
13	Ordinance and accessories	(*)	(*)					1,505
14	Food and kindred products	1,341	4					109,132
15	Tobacco manufactures							3,365
16	Broad and narrow fabrics, yarn and thread mills	6						27,340
17	Miscellaneous textile goods and floor coverings	2	6					6,888
18	Apparel	1	21					12,377
19	Miscellaneous fabricated textile products	36	4					5,445
20	Lumber and wood products, except containers							41,314
21	Wood containers							625
22	Household furniture							636
23	Other furniture and fixtures							1,210
24	Paper and allied products, except containers	20	38					49,233
25	Paperboard containers and boxes	7	(*)					18,048
26	Printing and publishing	176	119					31,581
27	Chemicals and selected chemical products	4	896					81,472
28	Plastics and synthetic materials							27,594
29	Drugs, cleaning and toilet preparations	15	35					14,096
30	Paints and allied products		1					7,827
31	Petroleum refining and related industries	731	2,803					120,901
32	Rubber and miscellaneous plastics products	16	124					47,406
33	Leather tanning and finishing	(*)						1,790
34	Footwear and other leather products	5	1					842
35	Glass and glass products	2	3					11,042
36	Stone and clay products	1	125					30,943
37	Primary iron and steel manufacturing		(*)					70,562
38	Primary nonferrous metals manufacturing							50,296
39	Metal containers							11,475
40	Heating, plumbing, and fabricated structural metal products	(*)	2					31,422
41	Screw machine products and stampings	22	1					20,126
42	Other fabricated metal products	6	28					33,597
43	Engines and turbines	103	57					8,541
44	Farm and garden machinery		160					3,028
45	Construction and mining machinery							6,124
46	Materials handling machinery and equipment	2						2,587
47	Metalworking machinery and equipment	4	8					6,855
48	Special industry machinery and equipment							2,373
49	General industrial machinery equipment	4	12					13,795
50	Miscellaneous machinery, except electrical	10	511					13,028
51	Office, computing, and accounting machines	5	4					10,226
52	Service industry machines	7	15					8,945
53	Electric industrial equipment and apparatus	(*)	693					16,106
54	Household appliances	1	44					2,274
55	Electric lighting and wiring equipment	17	56					9,543
56	Radio, TV, and communication equipment	2	1					10,679
57	Electronic components and accessories	2	20					31,127
58	Miscellaneous electrical machinery and supplies	6	80					4,814
59	Motor vehicles and equipment	143	123					37,606
60	Aircraft and parts							12,223
61	Other transportation equipment	8	100					3,276
62	Scientific and controlling instruments	3	4					8,353
63	Optical, ophthalmic, and photographic equipment	15	15					6,117
64	Miscellaneous manufacturing	29	30					7,650
65	Transportation and warehousing	2,388	807					118,281
66	Communications, except radio and TV	83	199					44,984
67	Radio and television broadcasting							285
68	Private electric, gas, water, and sanitary services	241	10,923					168,902
69	Wholesale and retail trade	538	1,599					174,717
70	Finance and insurance	48	561					112,602
71	Real estate and rental	291	448					148,961
72	Hotels; personal and repair services (except auto)	31	53					21,338
73	Business and professional services except medical	329	1,032					253,265
74	Eating and drinking places	103	121					39,135
75	Automobile repair and services	239	55					23,497
76	Amusements	10	2					14,524
77	Health, educational, and social services and nonprofit organizations	11	55					12,018
78	Federal Government enterprises	618	52					18,858
79	State and local government enterprises	12	5					2,519
80	Noncomparable imports	730						23,873
81	Scrap, used and secondhand goods		2					6,225
82	Government industry							
83	Rest of the world industry							
84	Household industry							
85	Inventory valuation adjustment							
I	Total intermediate inputs	11,624	32,919					2,732,176
88	Compensation of employees	22,686	10,259	337,370	44	7,596		1,916,700
89	Indirect business taxes		16					252,500
90	Other value added	-1,007	1,154		49,044			1,038,397
VA	Value added	21,679	11,429	337,370	49,088	7,596	-11,299	
T	Total industry output	33,303	44,347	337,370	49,088	7,596	-11,299	

* Less than \$500,000.

by Industries, 1982—Continued
at producers' prices]

Personal consumption expenditures	Gross private fixed investment	Change in business inventories	Exports	Imports	Federal Government purchases			State and local government purchases			GNP	Total commodity output	Commodity number	
					Total	National defense	Nondefense	Total	Education	Other				
91	92	93	94	95	96	97	98	99						
2,958		-625	418	-620	7	2	6	63	25	38	2,200	76,555	1	
11,422		-909	18,678	-1,409	8,041		8,041	428	169	259	36,252	92,292	2	
1,183		21	283	-2,120	-408		-408	-198	5	-203	-1,238	7,276	3	
435			69	-4	93		22	498	169	329	1,090	13,982	4	
		364	367	-652	-118		-118				-39	1,835	5	
	885	-78	293	-1,355	-62		-63				-296	3,380	6	
223		49	4,646	-30	296		108	188		49	5,320	28,631	7	
	252	647	2,440	-43,675	406		1	405			-39,951	137,088	8	
2		2	319	-321	-2		-2				-55	6,531	9	
3		-41	325	-469	2		2				-32	2,129	10	
	259,377		27		10,308		3,616	6,692	49,263	6,299	42,964	318,974	11	
	10,709		56		4,461		2,836	1,626	17,979	4,062	13,917	33,205	12	
1,024	98	817	2,886	-193	12,037		10,076	1,961	87	(*)	86	16,755	18,260	13
166,402		865	10,933	-12,416	1,993		166	1,827	4,342	2,921	1,421	172,119	281,251	14
14,249		364	2,666	-973					-2	(*)	-2	16,305	19,670	15
845		-592	1,116	-1,727	102		96	5	109	45	64	-146	27,194	16
2,580	1,391	-41	699	-482	17		3	15	35	29	4,199	11,087	17	
50,893		-143	978	-11,167	523		522	1	544	11	533	41,627	54,004	18
6,026		-51	435	-456	102		80	23	287	59	228	6,343	11,788	19
821	4	-1,029	2,531	-3,171	34		29	5	86	42	45	-726	40,588	20
		-8	7	-11	6		5					619	21	
11,595	953	-234	293	-843	43		14	29	80	62	18	11,887	12,523	22
898	8,402	-14	312	-700	85		35	50	893	518	375	9,877	11,087	23
8,978		418	3,816	-5,589	226		96	130	1,676	892	784	9,525	58,758	24
282		-96	256	-46	53		37	17	116	28	88	565	18,613	25
17,388		105	1,403	-638	670		364	306	3,894	2,627	1,267	22,822	54,403	26
1,366	1,458	-1,318	11,609	-6,982	1,336		1,271	65	1,723	525	1,198	9,192	90,664	27
		-523	4,067	-688	14		14	(*)	1	1	1	2,872	30,466	28
30,271		381	2,823	-2,941	721		523	198	2,562	178	2,384	33,816	47,912	29
323		-48	265	-31	4		2	3	208	167	41	719	8,547	30
78,469		-2,310	9,388	-19,489	7,297		7,059	239	7,687	3,565	4,123	81,043	201,944	31
8,597	45	-227	2,397	-4,184	715		607	108	946	64	881	8,289	55,695	32
		-19	291	-336	2		2	1				-62	1,728	33
10,391		136	221	-4,292	42		40	2			61	6,559	7,400	34
1,262		-11	696	-821	63		28	35	214	56	158	1,402	12,444	35
1,791		-64	1,015	-1,968	91		58	33	127	52	75	992	31,935	36
6	18	-3,544	1,889	-11,182	126		99	27	33	5	28	-12,654	57,908	37
44	50	-1,346	2,966	-6,417	786		655	131	37	34	34	-3,879	46,417	38
	32	-35	124	-64	72		72		5	3	2	134	11,609	39
921	3,720	-531	1,673	-836	841		678	164	1		1	5,789	37,211	40
946		-263	1,488	-941	173		144	29	194	149	46	1,598	21,724	41
2,743	2,218	-457	2,384	-3,390	591		516	76	368	137	232	4,457	38,054	42
247	1,968	-340	3,200	-1,502	615		453	162	193		193	4,380	12,921	43
111	8,596	309	1,594	-1,222	34		34	2	168	65	103	9,591	12,618	44
	8,798	3	8,459	-1,228	248		230	18	568		568	16,848	22,972	45
	3,857	-92	584	-436	195		187	9	6	2	4	4,115	6,702	46
357	11,797	-545	1,884	-2,503	252		220	32	130	76	55	11,372	18,227	47
220	10,301	-120	2,189	-2,218	105		97	9	37	35	2	10,515	12,888	48
	8,362	-554	4,341	-3,511	729		713	16	80		80	9,446	23,241	49
29	32	-170	905		898		831	67	146	76	70	1,839	14,868	50
722	20,767	617	8,916	-4,097	2,443		1,781	662	1,070	658	412	30,439	40,664	51
812	4,622	-726	1,300	-369	103		84	19	394	297	98	6,136	15,081	52
107	8,491	-318	3,672	-1,902	1,443		1,160	284	214	100	114	11,707	27,813	53
8,293	1,828	-416	864	-1,260	61		56	4	130	55	75	9,500	11,775	54
1,740	250	-28	964	-1,091	45		20	25	356	213	144	2,236	11,779	55
10,798	23,531	352	3,891	-9,574	13,147		12,129	1,018	481	310	171	42,625	53,304	56
649	53	285	5,822	-6,748	1,815		1,638	177	114	56	59	1,990	33,117	57
2,723	3,051	13	2,266	-1,730	290		200	90	290	26	264	6,902	11,715	58
51,624	37,216	-1,337	12,305	-31,938	1,039		802	156	3,805	986	2,819	72,653	110,259	59
128	6,256	3,487	14,480	-3,016	21,783		20,533	1,249				43,130	55,353	60
7,991	8,984	-393	1,966	-2,061	6,006		5,604	403	325	60	264	22,818	26,093	61
2,625	8,210	23	3,824	-2,577	931		619	313	1,879	112	1,767	14,915	23,268	62
3,641	7,657	-114	2,899	-3,213	1,385		943	442	2,310	993	1,317	14,565	20,682	63
18,845	4,348	-42	1,905	-7,527	159		94	65	1,427	874	553	19,114	26,764	64
49,682	3,068	-540	19,706	-902	5,844		5,089	754	4,821	2,959	1,861	81,679	199,960	65
39,471	4,705		1,490		2,259		1,259	1,000	3,203	1,521	1,682	51,127	96,111	66
816												816	1,101	67
80,722			252	-5,581	2,506		1,733	773	10,167	4,091	6,076	88,066	256,968	68
331,268	35,305	-494	21,757	8,609	3,848		3,237	611	4,902	1,965	2,937	405,194	579,911	69
116,127			6,155	-1,076	1,667		71	1,596	5,534	335	5,199	128,407	241,009	70
309,906	9,535		5,996		914		425	488	3,772	459	3,313	330,123	479,084	71
46,177			38		1,043		775	268	936	-647	1,583	48,193	69,531	72
26,696	4,361		4,519	-68	18,688		11,395	7,292	10,861	4,590	6,271	65,056	318,321	73
107,045			184		826		267	559	-2,641	-4,271	1,630	105,413	144,549	74
36,532		6	9		78		33	45	1,296	491	804	37,920	61,417	75
27,413		-90	759	-56	462		291	171	127	127	(*)	28,614	43,138	76
288,664			510		4,980		431	4,549	1,322	-955	2,317	295,475	307,493	77
			101		105		201	90	852	84	768	5,829	24,687	78
6,638					53		70	17	199	95	104	6,907	9,426	79
15,061	116	4		-46,804	7,721		6,669	1,052	29	26	3	-23,873		80
8,770	-15,706	-152	2,280	-480	125		155	-30	1,362	379	982	-3,802	2,423	81
					116,615		83,638	32,977	220,755	123,569	97,187	337,370	337,370	82
-14,184			106,000	-42,166	-562		-87	-476				49,088	49,088	83
7,596												7,596	7,596	84
		-11,299										-11,299	-11,299	85
														I
														88
														89
														90
												3,207,597		VA
2,036,190	519,966	-23,055	357,528	-331,913	272,699		193,828	78,871	376,182	162,700	213,482		5,939,773	T

Table 3.—Commodity-by-Industry
[Direct requirements per dollar of industry]

Commodity number	For the composition of inputs to an industry, read the column for that industry	Livestock and livestock products	Other agricultural products	Forestry and fishery products	Agricultural, forestry, and fishery services	Iron and ferroalloy ores mining	Nonferrous metal ores mining	Coal mining	Crude petroleum and natural gas	Stone and clay mining and quarrying	Chemical and fertilizer mineral mining	New construction
		1	2	3	4	5	6	7	8	9	10	11
1	Livestock and livestock products .....	.20363	.01650	.00207	.04304							
2	Other agricultural products .....	.30617	.03230		.08520							
3	Forestry and fishery products .....			.01232	.00310							
4	Agricultural, forestry, and fishery services .....	.02603	.05517	.13501	.00046						.00042	.00045
5	Iron and ferroalloy ores mining .....					.04835	.00011	.00002	.00002	.00008		
6	Nonferrous metal ores mining .....					.0392	.09665					
7	Coal mining .....	.00044	.00005			.01305	.00190	.13016		.00119	.00094	.00001
8	Crude petroleum and natural gas .....								.02981			
9	Stone and clay mining and quarrying .....	.00001	.00221		.00012	.00550	.00054	.00102		.02469	.01227	.00433
10	Chemical and fertilizer mineral mining		(*)								.02337	
11	New construction .....											.00049
12	Repair and maintenance construction .....	.00885	.00880	.00858	.01561	.01440	.01401	.00925	.02887	.01101	.00796	.00069
13	Ordnance and accessories .....			.00760								.00005
14	Food and kindred products .....	.14634		.02901	.00165		.00020	.00001	.00003	.00010	.00013	(*)
15	Tobacco manufactures											
16	Broad and narrow fabrics, yarn and thread mills .....		.00066				.00014	.00080			.00133	
17	Miscellaneous textile goods and floor coverings .....	.00020	.00034	.01052	.00421							.00348
18	Apparel .....						.00009	.00022	.00004	.00023	.00010	.00019
19	Miscellaneous fabricated textile products .....		.00104	.00332	.00418				(*)			.00013
20	Lumber and wood products, except containers .....	.00024	.00021			.00164	.00895	.00288	(*)		.00113	.04294
21	Wood containers .....	.00002	.00381									
22	Household furniture .....											.00024
23	Other furniture and fixtures .....											.00160
24	Paper and allied products, except containers .....	.00086	.00229	.00020	.00063	.00012	.00017	.00012	.00011	.00083	.00029	.00179
25	Paperboard containers and boxes .....	.00002	.00300	.00011	.00604		.00005		.00002	.00026	.00016	.00002
26	Printing and publishing .....	.00028	.00028	.00069	.00193	.00070	.00094	.00052	.00061	.00185	.00036	.00059
27	Chemicals and selected chemical products .....	.00291	.07766	.00440	.15332	.02014	.04375	.01059	.00429	.01400	.04341	.00441
28	Plastics and synthetic materials											
29	Drugs, cleaning and toilet preparations .....	.00259			.00006				.00007		.00039	.00003
30	Paints and allied products .....			.00064					.00012			.00542
31	Petroleum refining and related industries .....	.01334	.06244	.06920	.06225	.05801	.04435	.02764	.00644	.04209	.03538	.03408
32	Rubber and miscellaneous plastics products .....	.00119	.00308	.00057	.00445	.01376	.02187	.01102	.00014	.00921	.00424	.00671
33	Leather tanning and finishing											
34	Footwear and other leather products .....	.00031			.00014			(*)	.00001			.00002
35	Glass and glass products .....	.00004		.00011	.00024	.00018	.00023	.00001	.00011	.00028	.00032	.00090
36	Stone and clay products .....	.00003	.00019		.00051	.00035	.00702	.00271	.00025	.00043	.00052	.05315
37	Primary iron and steel manufacturing .....					.02734	.02511	.00050	(*)	.00030		.02541
38	Primary nonferrous metals manufacturing .....					.00316	.00256	.00083		.00443	.00233	.01119
39	Metal containers .....			.00194								
40	Heating, plumbing, and fabricated structural metal products .....	.00020	.00020			.00667	.01480	.00348	.00349	.00637	.02055	.06021
41	Screw machine products and stampings .....	.00019				.00550	.00844	.00687		.00309	.00418	.00051
42	Other fabricated metal products .....	.00164	.00193	.00601	.00259	.00726	.00205	.00355	.00407	.00327	.00314	.01909
43	Engines and turbines .....			.00369	.00489	.01961	.01491	.01012	.00024	.01235	.01489	
44	Farm and garden machinery .....	.00314	.00703	.00199	.00350							
45	Construction and mining machinery .....					.02318	.02864	.03603	.00423	.03355	.02334	.00628
46	Materials handling machinery and equipment .....					.00574	.00750	.00314		.01096	.00706	.00395
47	Metalworking machinery and equipment .....	.00107	.00105	.00003	.00008	.00094	.00111	.00016	.00020	.00081	.00019	.00009
48	Special industry machinery and equipment											
49	General industrial machinery equipment .....	.00031	.00048	.00202	.00014	.02014	.01545	.01898	.00178	.01511	.00800	.00433
50	Miscellaneous machinery, except electrical .....	.00053	.00118	.00011	.00026	.00158	.00222	.00847	.00020	.00339	.00045	.00028
51	Office, computing, and accounting machines .....				.00026							
52	Service industry machines .....											.00904
53	Electric industrial equipment and apparatus .....	.00012	.00027			.00170	.00480	.00304	.00221	.00424	.00366	.00517
54	Household appliances								(*)			.00248
55	Electric lighting and wiring equipment .....	.00011	.00013	.00013	.00017	.00023	.00026	.00093	.00023	.00045	.00029	.01448
56	Radio, TV, and communication equipment .....				.00003			(*)	.00001			.00731
57	Electronic components and accessories											
58	Miscellaneous electrical machinery and supplies .....	.00039	.00086	.00008	.00103	.00059	.00125	.00017	.00005	.00081	.00045	.00113
59	Motor vehicles and equipment .....	.00101	.00227	.00051	.00273	.00246	.00287	.00033	.00010	.00031	.00006	.00051
60	Aircraft and parts .....				.00002							
61	Other transportation equipment .....			.05844	.00051	.00035	.00114					.00001
62	Scientific and controlling instruments .....			.00146	.00005	.00012	.00125	.00011	.00003	.00008	.00006	.00271
63	Optical, ophthalmic, and photographic equipment .....			.00010	.00062	.00023	.00040	.00012	.00020	.00023	.00006	.00026
64	Miscellaneous manufacturing .....	.00019	.00019	.00015	.00095	.00164	.00043	.00022	.00010	.00078	.00052	.00143
65	Transportation and warehousing .....	.02717	.01177	.00845	.03062	.02406	.01986	.00772	.00316	.01400	.00524	.01865
66	Communications, except radio and TV .....	.00233	.00229	.00049	.00006	.00468	.00472	.00180	.00136	.00431	.00327	.00330
67	Radio and television broadcasting											
68	Private electric, gas, water, and sanitary services .....	.01734	.01440	.00118	.00344	.18779	.10957	.02560	.01709	.08318	.15440	.00341
69	Wholesale and retail trade .....	.02764	.03732	.01892	.06064	.02775	.03295	.02786	.00419	.02503	.01952	.07205
70	Finance and insurance .....	.01647	.01968	.02009	.00939	.01024	.02054	.00869	.00403	.01293	.04888	.00595
71	Real estate and rental .....	.02959	.05682		.01767	.01920	.05088	.02886		.01828	.02803	.00487
72	Hotels; personal and repair services (except auto) .....	.00079	.00124	.00241	.01023	.00275	.00312	.00032	.00043	.01065	.00524	.00114
73	Business and professional services except medical .....	.00787	.01066	.04434	.02869	.02342	.03869	.01555	.02079	.02715	.02091	.01884
74	Eating and drinking places .....			.00210	.00727	.00181	.00264	.00100	.00141	.00319	.00175	.00323
75	Automobile repair and services .....	.00401	.00593	.00681	.02785	.03290	.03676	.00384	.00119	.00165	.00110	.00822
76	Amusements .....				.01238			.00001	.00003	.00018	.00019	.00005
77	Health, educational, and social services and nonprofit organizations .....	.00855	.00048	.00228	.00168	.00193	.00239	.00126	.00039	.00134	.00146	.00003
78	Federal Government enterprises .....	.00019	.00018	.00097	.00350	.00263	.00361	.00012	.00003	.00159	.00265	.00046
79	State and local government enterprises .....	.00017	.00038	.00046	.00102	.00100	.00114	.00013	.00004	.00008	.00062	.00019
80	Noncomparable imports		(*)		.00140	.00252	.00324	.00003	.00279	.00031	.00058	.00001
81	Scrap, used and secondhand goods .....											.00001
82	Government industry											
83	Rest of the world industry											
84	Household industry											
85	Inventory valuation adjustment											
I	Total intermediate inputs .....	.86452	.44676	.46953	.62087	.65123	.70620	.41678	.30329	.41066	.51581	.56094
88	Compensation of employees .....	.03028	.07505	.08873	.30891	.40368	.50053	.34767	.07059	.33677	.28324	.29436
89	Indirect business taxes .....	.01253	.02603	.03000		.09249	.08139	.07022	.15841	.04455	.04066	.00416
90	Property-type income .....	.09267	.45216	.41173	.07022	-.14740	-.28812	.16533	.46772	.20802	.16030	.14054
VA	Value added .....	.13548	.53324	.53047	.37913	.34877	.29380	.58322	.69671	.58934	.48419	.43906
T	Total	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000

* Less than 0.000005.

Table 3.—Commodity-by-Industry
[Direct requirements per dollar]

Commodity number	For the composition of inputs to an industry, read the column for that industry Industry number	Drugs, cleaning and toilet preparations	Paints and allied products	Petroleum refining and related industries	Rubber and miscellaneous plastics products	Leather tanning and finishing	Footwear and other leather products	Glass and glass products	Stone and clay products	Primary iron and steel manufacturing	Primary nonferrous metals manufacturing
		29	30	31	32	33	34	35	36	37	38
1	Livestock and livestock products .....	.00136									
2	Other agricultural products .....	.00095	.00008								
3	Forestry and fishery products .....	.00022	.00462								
4	Agricultural, forestry, and fishery services .....	.00006	.00001	.00001	.00004		.00003	.00004	.00006	.00003	.00003
5	Iron and ferroalloy ores mining .....		.00049						.00077	.02632	
6	Nonferrous metal ores mining .....		.00440						.00064	.00293	.05196
7	Coal mining .....	.00042		.00012	.00031	.00075	.00010	.00016	.01220	.03396	.00063
8	Crude petroleum and natural gas .....		.01329	.65618	.00299					.00056	
9	Stone and clay mining and quarrying .....	.00045	.00531	.00122	.00030			.01341	.06899	.00279	.00024
10	Chemical and fertilizer mineral mining .....		.00076	.00011	.00028	.00185		.00072	.00150	.00169	.00004
11	New construction										
12	Repair and maintenance construction .....	.00213	.00308	.00237	.00373	.00248	.00204	.00795	.00739	.02148	.00427
13	Ordinance and accessories				(*)				.00317	.00068	
14	Food and kindred products .....	.00959	.01785	.00012	.00008	.35325	.00100	.00006	.00051	.00009	.00007
15	Tobacco manufactures										
16	Broad and narrow fabrics, yarn and thread mills .....				.01010		.02912		.00297		.00034
17	Miscellaneous textile goods and floor coverings .....	.00041		.00016	.01612		.03835		.00002		.00011
18	Apparel .....	.00001	.00002	(*)	.00010	.00006	.00095	.00015	.00010	.00009	.00004
19	Miscellaneous fabricated textile products .....	.00003	.00001	(*)	.00014			.00002		.00002	(*)
20	Lumber and wood products, except containers .....	.00016		.00023	.00231		.00983	.01047	.00299	.00254	.00149
21	Wood containers .....							.00497			
22	Household furniture										
23	Other furniture and fixtures .....									.00009	
24	Paper and allied products, except containers .....	.00269	.00052	.00052	.00785	.00017	.00084	.00083	.01052	.00025	.00031
25	Paperboard containers and boxes .....	.02151	.00502	.00125	.01208	.00549	.00351	.05727	.00164	.00076	.00131
26	Printing and publishing .....	.00678	.00706	.00011	.00129	.00046	.00153	.00291	.00092	.00067	.00066
27	Chemicals and selected chemical products .....	.04505	.20304	.01336	.05059	.14198	.01304	.10091	.02999	.03684	.02760
28	Plastics and synthetic materials .....	.00287	.11353	.00027	.18727		.01057		.00792		.01408
29	Drugs, cleaning and toilet preparations .....	.09695	.00667	.00170	.00039	.03505	.00357		.00153	.00003	.00001
30	Paints and allied products .....	.00168	.01037	.00004	.00086			.00198	.00228	.00040	.00103
31	Petroleum refining and related industries .....	.01364	.01678	.08465	.00800	.01426	.00201	.01049	.01554	.01285	.01692
32	Rubber and miscellaneous plastics products .....	.02891	.00196	.00152	.03977	.00017	.04197	.01116	.00387	.00180	.00969
33	Leather tanning and finishing .....				.00003	.05572	.16607				
34	Footwear and other leather products .....	.00001	.00002	.00002	.00003		.03992	.00019	.00001	.00004	.00001
35	Glass and glass products .....	.01131	.00162	.00099	.00492			.06893	.00164	.00006	.00055
36	Stone and clay products .....	.00099	.00844	.00076	.00226	.00294	.00067	.01114	.11239	.00645	.00378
37	Primary iron and steel manufacturing .....	.00003	.00520	.00023	.00290		.00024	.00046	.00284	.18247	.00670
38	Primary nonferrous metals manufacturing .....	.00013	.00588		.00160			.00034	.00477	.02118	.34829
39	Metal containers .....	.00053	.05584	.00074					.00001	.00002	.00001
40	Heating, plumbing, and fabricated structural metal products .....				.00028				.00016		
41	Screw machine products and stampings .....	.00442	.00192		.00441		.00326	.00251	.00120	.00470	.00290
42	Other fabricated metal products .....	.00753	.00627	.00158	.00917	.00006	.00759	.00023	.01121	.00865	.00726
43	Engines and turbines .....				.00036				.00015	.00043	
44	Farm and garden machinery										
45	Construction and mining machinery .....								.00319		
46	Materials handling machinery and equipment .....				.00007		.00007		.00006	.00023	.00030
47	Metalworking machinery and equipment .....	.00022	.00022	.00008	.00170	.00035	.00109	.00722	.00079	.00678	.01261
48	Special industry machinery and equipment .....				.00188		.00077	.00067			
49	General industrial machinery equipment .....	.00327	.00007	.00002	.00039		.00005	.00057	.00090	.01332	.01050
50	Miscellaneous machinery, except electrical .....	.00054	.00048	.00021	.00288	.00087	.00221	.00458	.00191	.00315	.00196
51	Office, computing, and accounting machines	(*)		(*)	(*)					.00024	
52	Service industry machines .....									.00006	
53	Electric industrial equipment and apparatus .....							.00205	.00023	.00784	.00517
54	Household appliances				(*)		.00019	.00005		(*)	
55	Electric lighting and wiring equipment .....	.00003	.00002	.00005	.00115	.00017	.00003	.00031	.00090	.00016	.00008
56	Radio, TV, and communication equipment .....	.00001	.00001	(*)	.00001		.00003	.00002	.00001	.00001	(*)
57	Electronic components and accessories .....				.00054						
58	Miscellaneous electrical machinery and supplies .....	.00016		.00001	.00018			.00004	.00002	.00005	.00004
59	Motor vehicles and equipment .....	.00022	.00009	.00017	.00019	.00012		.00027	.00024	.00011	.00029
60	Aircraft and parts										
61	Other transportation equipment .....									.00005	
62	Scientific and controlling instruments .....	.00072	.00067	.00009	.00064	.00023	.00027	.00131	.00043	.00044	.00027
63	Optical, ophthalmic, and photographic equipment .....	.00046	.00033	.00004	.00029	.00012	.00043	.00041	.00041	.00025	.00021
64	Miscellaneous manufacturing .....	.00041	.00064	.00002	.00032	.00012	.01414	.00017	.00082	.00020	.00015
65	Transportation and warehousing .....	.01433	.03558	.03922	.02765	.02419	.01570	.03676	.07853	.04185	.04652
66	Communications, except radio and TV .....	.00481	.00477	.00099	.01023	.00329	.00327	.02146	.00542	.00662	.00511
67	Radio and television broadcasting										
68	Private electric, gas, water, and sanitary services .....	.01667	.01317	.02707	.03345	.02656	.01113	.10781	.06464	.09183	.06992
69	Wholesale and retail trade .....	.05525	.04596	.02225	.04921	.07229	.04589	.04650	.02796	.05826	.05265
70	Finance and insurance .....	.01008	.00593	.00705	.00634	.00514	.01747	.00773	.00927	.00528	.00754
71	Real estate and rental .....	.00559	.00275	.00211	.00561	.00231	.00542	.00422	.00356	.00173	.00300
72	Hotels, personal and repair services (except auto) .....	.00265	.00209	.00032	.00137	.01755	.00696	.00213	.00168	.00135	.00184
73	Business and professional services except medical .....	.11031	.02792	.00894	.02297	.01680	.04720	.03533	.02961	.05078	.02002
74	Eating and drinking places .....	.00428	.00508	.00036	.00368	.00271	.00790	.00416	.00448	.00249	.00230
75	Automobile repair and services .....	.00181	.00211	.00031	.00169	.00162	.00187	.00461	.00255	.00116	.00255
76	Amusements .....	.00011	.00006	.00001	.00007		.00003	.00005	.00003	.00002	.00003
77	Health, educational, and social services and nonprofit organizations .....	.00434	.00141	.00049	.00243	.00046	.00048	.00077	.00092	.00019	.00063
78	Federal Government enterprises .....	.00251	.00331	.00044	.00145	.00260	.01099	.00232	.00193	.00195	.00114
79	State and local government enterprises .....	.00079	.00022	.00006	.00030	.00497	.00005	.00051	.00025	.00056	.00036
80	Noncomparable imports .....	.00690	.00792	.00150	.01580	.00012	.00012	.00488	.00274	.00132	.02053
81	Scrap, used and secondhand goods .....				.00006			.00764		.02610	.05556
82	Government industry										
83	Rest of the world industry										
84	Household industry										
85	Inventory valuation adjustment										
1	Total intermediate inputs .....	.51844	.66157	.86007	.56307	.79727	.57899	.61182	.55518	.69523	.82164
88	Compensation of employees .....	.22683	.22874	.03927	.29343	.23639	.33428	.36637	.30534	.36055	.22073
89	Indirect business taxes .....	.00628	.00660	.02306	.02197	.00549	.00373	.01395	.01433	.01350	.00821
90	Property-type income .....	.24846	.10309	.07760	.12153	-.03915	.08300	.00785	.12515	-.06929	-.05058
VA	Value added .....	.48156	.33843	.13993	.43693	.20273	.42101	.38818	.44482	.30477	.17836
T	Total	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000

* Less than 0.000005.

Table 3.—Commodity-by-Industry
[Direct requirements per dollar]

Commodity number	For the composition of inputs to an industry, read the column for that industry	Electric lighting and wiring equipment	Radio, TV, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles and equipment	Aircraft and parts	Other transportation equipment	Scientific and controlling instruments	Optical, ophthalmic, and photographic equipment
		55	56	57	58	59	60	61	62	63
1	Livestock and livestock products									
2	Other agricultural products									
3	Forestry and fishery products									
4	Agricultural, forestry, and fishery services .....	.00005	.00006	.00006	.00008	.00003	.00004	.00002	.00004	.00007
5	Iron and ferroalloy ores mining .....				.00024					
6	Nonferrous metal ores mining .....				.01088				.00103	
7	Coal mining .....	.00014	.00011	.00007	.00021	.00034	.00011	.00021	.00016	.00096
8	Crude petroleum and natural gas									
9	Stone and clay mining and quarrying .....					.00001			.00001	
10	Chemical and fertilizer mineral mining									
11	New construction									
12	Repair and maintenance construction .....	.00442	.00351	.00602	.00545	.00448	.00416	.02321	.00341	.00301
13	Ordnance and accessories		(*)			(*)	.00003	(*)		
14	Food and kindred products .....	.00008	.00002	.00013	.00005	.00001	.00008	.00011	.00226	.00005
15	Tobacco manufactures									
16	Broad and narrow fabrics, yarn and thread mills .....	.00103				.00025	.00161	.00030	.01458	
17	Miscellaneous textile goods and floor coverings .....				.00025	.00191		.00777	.00736	.00078
18	Apparel .....	.00006	.00021	.00036	.00004	.00005	.00007	.00010	.00027	.00002
19	Miscellaneous fabricated textile products .....		.00001	.00001	.00001	.01492	.00238	.00773		(*)
20	Lumber and wood products, except containers .....	.00263	.00104		.00040	.00108	.00056	.03384	.00459	
21	Wood containers									
22	Household furniture .....		.00675	.00079			.00012	.00447	.00012	
23	Other furniture and fixtures .....					.00102	.00374	.00235		
24	Paper and allied products, except containers .....	.00035	.00146	.00141	.00046	.00077	.00024	.00196		.01011
25	Paperboard containers and boxes .....	.01477	.00209	.00257	.00715	.00061	.00009	.00048		.00764
26	Printing and publishing .....	.00138	.00441	.00149	.00233	.00048	.00111	.00082		.00343
27	Chemicals and selected chemical products .....	.01167	.00274	.03440	.05671	.00224	.00080	.00358		.03143
28	Plastics and synthetic materials .....	.02188	.00395	.00434	.00737	.00282	.00059	.00360		.00745
29	Drugs, cleaning and toilet preparations .....					.00008		.00005		.00012
30	Paints and allied products .....	.00361	.00094	.00005	.00217	.00437	.00101	.00610		.00333
31	Petroleum refining and related industries .....	.00652	.00214	.00425	.00939	.00549	.00450	.01043		.00929
32	Rubber and miscellaneous plastics products .....	.01256	.02777	.07069	.02752	.03917	.00949	.01208		.02263
33	Leather tanning and finishing									
34	Footwear and other leather products .....		.00002	.00002	.00003	.00002	.00001	.00001		.00026
35	Glass and glass products .....	.04147	.00072	.00947	.00028	.00427	.00022	.00458		.00259
36	Stone and clay products .....	.00251	.00053	.00173	.00116	.00473	.00262	.00893		.00422
37	Primary iron and steel manufacturing .....	.04942	.00410	.00586	.01312	.05839	.02141	.05240		.01670
38	Primary nonferrous metals manufacturing .....	.05696	.01714	.06501	.06888	.01527	.02891	.01886		.03998
39	Metal containers .....									.00069
40	Heating, plumbing, and fabricated structural metal products .....		.00366	.00222	.00024	.00132	.00090	.03013		.00269
41	Screw machine products and stampings .....	.03395	.00827	.01277	.01552	.05509	.01011	.00984		.01949
42	Other fabricated metal products .....	.01734	.01004	.03536	.02515	.01651	.00811	.01807		.01307
43	Engines and turbines .....					.01592		.02552		.00890
44	Farm and garden machinery									
45	Construction and mining machinery					(*)		.00896		
46	Materials handling machinery and equipment .....					.00013		.00011		
47	Metalworking machinery and equipment .....	.00307	.00116	.00265	.00287	.00551	.01097	.00279		.00280
48	Special industry machinery and equipment .....							.00015		
49	General industrial machinery equipment .....	.00071	.00096	.00011	.00344	.00724	.00450	.02495		.00180
50	Miscellaneous machinery, except electrical .....	.00297	.00141	.00317	.00394	.01573	.01014	.00604		.00388
51	Office, computing, and accounting machines .....			.00264	.00001	(*)	.00001			.00331
52	Service industry machines .....		.00015			.01713		.00287		
53	Electric industrial equipment and apparatus .....	.02414	.00542	.00479	.01804	.00173	.00147	.00287		.01302
54	Household appliances					(*)		.00805		.00344
55	Electric lighting and wiring equipment .....	.03359	.00361	.00115	.00624	.00321	.00002	.00444		.00178
56	Radio, TV, and communication equipment .....	.00002	.04533	.00018	.00003	.00378	.01216	.00338		.00003
57	Electronic components and accessories .....	.00482	.16287	.19226	.08238	.00246	.02611	.00040		.03855
58	Miscellaneous electrical machinery and supplies .....	.00734	.00062	.00028	.07547	.01181	.00187	.00277		.00097
59	Motor vehicles and equipment .....	.00019	.00006	.00011	.00033	.22751	.00007	.02266		.00033
60	Aircraft and parts .....					.00022	.17478	.00171		
61	Other transportation equipment .....					.00013		.02960		
62	Scientific and controlling instruments .....	.00029	.00172	.00035	.00035	.00351	.02045	.00376		.04998
63	Optical, ophthalmic, and photographic equipment .....	.00051	.00109	.00056	.00077	.00021	.00415	.00029		.00063
64	Miscellaneous manufacturing .....	.00234	.00052	.00048	.00024	.00024	.00033	.00125		.00034
65	Transportation and warehousing .....	.01963	.00817	.01528	.02428	.02022	.01490	.01342		.00813
66	Communications, except radio and TV .....	.00729	.00965	.01126	.00795	.00202	.00571	.00486		.00663
67	Radio and television broadcasting									
68	Private electric, gas, water, and sanitary services .....	.01896	.01158	.02137	.01895	.01221	.01204	.01205		.01431
69	Wholesale and retail trade .....	.07304	.05675	.07484	.07533	.07495	.02337	.05511		.04557
70	Finance and insurance .....	.01460	.00644	.01420	.01609	.00403	.01649	.00584		.00679
71	Real estate and rental .....	.00528	.00596	.00586	.00448	.00086	.00298	.01604		.00659
72	Hotels, personal and repair services (except auto) .....	.00728	.00686	.00495	.00664	.00122	.01140	.00137		.00166
73	Business and professional services except medical .....	.03076	.03947	.03039	.05791	.02110	.04371	.02424		.03735
74	Eating and drinking places .....	.00525	.00378	.00560	.01082	.00204	.00294	.00331		.00721
75	Automobile repair and services .....	.00176	.00057	.00092	.00283	.01042	.00060	.00255		.00780
76	Amusements .....	.00003	.00010	.00038	.00106	.00008	.00024	.00049		.00065
77	Health, educational, and social services and nonprofit organizations .....	.00068	.00136	.00227	.00047	.00090	.00142	.00034		.00320
78	Federal Government enterprises .....	.00201	.00339	.00151	.00096	.00209	.00251	.00151		.00266
79	State and local government enterprises .....	.00034	.00021	.00041	.00031	.00040	.00021	.00023		.00030
80	Noncomparable imports .....	.00090	.00411	.00395	.00240	.00434	.00158	.00026		.00213
81	Scrap, used and secondhand goods .....	.00011			.00686	.00194				.00989
82	Government industry									
83	Rest of the world industry									
84	Household industry									
85	Inventory valuation adjustment									
I	Total intermediate inputs .....	.55068	.49025	.66099	.68953	.71101	.51014	.56519		.47489
88	Compensation of employees .....	.34576	.40742	.42395	.35290	.21258	.39442	.37192		.39887
89	Indirect business taxes .....	.00831	.00800	.01507	.01144	.01490	.00679	.00608		.00754
90	Property-type income .....	.09525	.09434	-.10001	-.05387	.06150	.08865	.05681		.11870
VA	Value added .....	.44932	.50975	.33901	.31047	.28899	.48986	.43481		.52511
T	Total	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000		1.00000

* Less than 0.000005.

Direct Requirements, 1982—Continued

of industry output, at producers' prices]

Miscellaneous manufacturing	Transportation and warehousing	Communications, except radio and TV	Radio and TV broadcasting	Private electric, gas, water, and sanitary services	Wholesale and retail trade	Finance and insurance	Real estate and rental	Hotels; personal and repair services (exc. auto)	Business and professional services except medical	Eating and drinking places	Automobile repair and services	Amusements	Health, educational, and social services and nonprofit organizations	Federal Government enterprises	State and local government enterprises	Commodity number
64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	
.00010	.00001							.00002	.00003	.00289		.00091	.00040	.00024		1
.00103	.00001						.00005	.00003		.00725		.00009	.00044	.06045	.00001	2
(*)	.00001							.00001		.00819		.00004	.00011	.00066		3
.00012	.00006	.00002	.00013	.00010	.00030	.00008	.00629	.00190	.00013	.00009	.00004	.00772	.00100	.00007	.00176	4
																5
																6
.00015	.00008			.06377	.00005		(*)	.00011	.00001	.00004	.00003	.00004	.00008	.02211	.02274	7
.00132	.00105			.17487									(*)			8
															.00053	9
																10
.00589	.02732	.04017	.01045	.03761	.00643	.00624	.05102	.01519	.00324	.00463	.00251	.00937	.03097	.01264	.21998	11
	.00001	(*)		(*)	.00001	(*)	(*)	(*)	.00027	(*)	(*)	(*)	(*)	(*)	(*)	12
.00175	.00127	.00001	.00017	.00001	.00166	.00002	.00001	.00101	.00025	.27124	.00003	.01035	.01299	.04027	.00008	13
																14
.01245	.00001				.00009		(*)	.00196	.00040				.00088	.00009	.00018	15
.00514	.00027				.00006		(*)	.00027	.00001	.00009	.00014	.00012	.00006	.00006	.00013	16
.00032	.00031	.00029	.00001	.00001	.00006		(*)	.00034	.00007	(*)	.00033	.00097	.00073	.00002	.00046	17
.00420	.00065	.00001	.00002	(*)	.00023	.00041	.00001	.00721	.00010	.00013	.00001	.00111	.00145	.00108	.00009	18
.02774	.00014			.00047	.00133		.00002	.00022	.00010	.00016	.00003	.00271	.00033			19
.00009				.00014												20
								.00002					.00002			21
.00077					.00001		(*)	.00001	.00001	(*)	(*)	.00002	.00001			22
.01232	.00058	.00064	.00053	.00049	.00891	.00236	.00067	.00453	.00423	.00460	.00072	.00230	.00757	.00059	.00085	23
.01637	.00024	.00017	.00003	.00003	.00292	.00001	.00001	.00012	.00008	.00611	.00002	.00005	.00027	.00021	.00001	24
.00490	.00242	.00492	.00226	.00066	.00388	.01491	.00129	.00554	.01173	.00090	.00047	.00323	.02409	.00528	.00267	25
.01918	.00087	.00039	.00085	.00297	.00012	.00003	.00062	.00314	.00166	.00046	.00019	.00150	.01245	.00013	.02019	26
.02214																27
.00002	.00002	.00020		.00002	.00024	.00006	.00007	.01092	.00157	.00126	.00007	.00028	.01427	.00044	.00078	28
.00587	.00028	.00082						.00001	.00036		.00947	.00003	.00006		.00001	29
.01123	.13454	.00311	.00115	.03224	.02048	.00453	.00198	.01367	.00726	.00360	.01994	.00392	.00970	.02194	.06321	30
.03202	.00547	.00198	.00008	.00123	.00215	.00035	.00067	.01064	.00405	.00795	.00208	.00316	.01229	.00049	.00280	31
.00153														.00001		32
.00179	.00004	.00002	.00004	.00001	.00010	.00009	.00001	.00314	.00007	.00017	.00002	.00046	.00009	.00014	.00002	33
.00053	.00017	.00007	.00001	.00023	.00022	.00008	.00001	.00324	.00008	.00254	.00642	.00003	.00134	.00005	.00007	34
.00559	.00022	.00001		.00005	.00027	.00003	.00005	.00020	.00027	.00029	.00471	.00016	.00048	.00002	.00282	35
.01684	.00085	.00001		.00001	.00004	(*)	(*)	.00005	.00004	(*)	(*)	.00001	.00004		(*)	36
.05943	.00041	.00035		.00025				.00017		.00003		.00019		.00001		37
				.00005	.00057				.00023							38
.00290				.00005	.00005		.00018							.00001	.00001	39
.00588	.00017	.00187		.00039	.00126		.00007	.00051	.00040	.00007	.04290	.00032	.00064	.00066	.00003	40
.01143	.00463	.00151	.00002	.00126	.00127	.00003	.00007	.00130	.00048	.00039	.03365	.00064	.00063	.00018	.00063	41
.00035	.00218	.00315		.00562					.00061		.00125			.00310	.00128	42
					.00002		.00025		.00184						.00361	43
									.00071					(*)		44
	.00001			.00004	.00021				.00011					.00005		45
.00306	.00067	.00002	.00004	.00010	.00015	.00001	(*)	.00010	.00063	.00001	.00030	.00007	.00003	.00012	.00018	46
					.00006		(*)	.00001	.00040	.00087	(*)	.00001	.00001			47
.00052	.00357	.00137		.00027	.00001	.00007	.00002	.00260	.00009	.00009	.00009	.00001	.00001	.00012	.00028	48
.00579	.00287	.00004	.00008	.00020	.00035	.00002	(*)	.00074	.00059	.00426	.01343	.00017	.00010	.00031	.01152	49
.00001	.00022			.00005	.00032	.00121	.00004	.00575	.00471	.00005	.00004	.00012	.00045	.00014	.00008	50
.00106	.00008			.00001	.00025			.00326	.00037	.00019	.00707	.00038	.00005	.00022	.00033	51
.00223	.00090	.00189		.00081				.00017	.00073	.00011	.00192		.00001	.00001	.01563	52
.00001	.00002	(*)		(*)	.00002	(*)	.00008	.00796	.00018	.00001		.00001	.00004	.00002	.00099	53
.00055	.00026	.00036	.00002	.00050	.00009	.00009	.00008	.00131	.00042	.00070	.00335	.00075	.00099	.00050	.00127	54
.00041	.00014	.03073	.00260	.00001	.00008	.00013	.00003	.00050	.00015	.00006	.00098	.00005	.00047	.00005	.00001	55
.01771	.00024	.00812	.00002	.00002	.00002	.00036		.01885	.00597				.00053	.00005	.00045	56
.00025	.00033	.00016	.00004	.00010	.00017	.00005	.00021	.00010	.00043	.00005	.00581	.00005	.00104	.00018	.00180	57
.00036	.00182	.00010	.00006	.00171	.00077	.00024	.00006	.00035	.00043	.00021	.14380	.00013	.00038	.00429	.00278	58
	.00491															59
.00019	.00777	.00007	.00006	.00004		.00012		.00004	.00104		.00009	.00287	.00002	.00023	.00225	60
.00049	.00008	.00005	.00005	.00149	.00014	.00003	(*)	.00025	.00037	(*)	.00066	.00022	.00713	.00010	.00009	61
.00083	.00036	.00066	.00096	.00018	.00053	.00372	.00015	.00434	.00442	.00008	.00025	.00335	.00286	.00045	.00033	62
.04784	.00066	.00085	.00046	.00017	.00100	.00180	.00015	.01722	.00193	.00182	.00025	.00233	.00216	.00086	.00067	63
.01951	.13609	.00289	.00887	.02366	.01032	.01943	.00215	.00817	.00958	.01483	.00922	.00688	.00952	.07169	.01820	64
.00373	.01169	.01825	.00927	.00118	.01571	.02465	.00251	.01743	.01742	.00420	.00572	.00980	.01225	.00248	.00448	65
			.00547						.00072							66
.01438	.01076	.00860	.00183	.27116	.02479	.00503	.00061	.04295	.00526	.02682	.00823	.02235	.01671	.00722	.24631	67
.06830	.02149	.00627	.00585	.00513	.01341	.00321	.00133	.01982	.00868	.05121	.09715	.00677	.01640	.01615	.03605	68
.01179	.01830	.01275	.01017	.01340	.01299	.02099	.02351	.01412	.00992	.02064	.00596	.00922	.00653	.00143	.01254	69
.00703	.01428	.01469	.04762	.00252	.03827	.02992	.06152	.03755	.02719	.02879	.01623	.05464	.07782	.00873	.01011	70
.00189	.00250	.00250	.00985	.00171	.00798	.00599	.00159	.01628	.00826	.00426	.01683	.00675	.00497	.00092	.00118	71
.06920	.03099	.02220	.02905	.00832	.08069	.08283	.01772	.06487	.11402	.05170	.02138	.09441	.03875	.00987	.02327	72
.01294	.01053	.00477	.01074	.00113	.02075	.02298	.00558	.00575	.00927	.00577	.00492	.01051	.00686	.00310	.00272	73
.00336	.01376	.00146	.00049	.00069	.01213	.00163	.0004									

Table 4.—Commodity-by-Commodity
[Total requirements, direct and indirect, per dollar of

Commodity number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Livestock and livestock products	Other agricultural products	Forestry and fishery products	Agri-cultural, forestry, and fishery services	Iron and ferroalloy ores mining	Non-ferrous metal ores mining	Coal mining	Crude petroleum and natural gas	Stone and clay mining and quarrying	Chemical and fertilizer mineral mining	New construction
		1	2	3	4	5	6	7	8	9	10	11
1	Livestock and livestock products	1.33879	.02758	.02495	.06457	.00111	.00146	.00067	.00053	.00097	.00115	.00159
2	Other agricultural products .....	.43966	1.04850	.03425	.11247	.00095	.00128	.00065	.00049	.00080	.00107	.00143
3	Forestry and fishery products .....	.00318	.00097	1.01182	.00394	.00098	.00220	.00084	.00029	.00048	.00064	.00740
4	Agricultural, forestry, and fishery services .....	.06137	.05970	.12124	1.01234	.00087	.00137	.00063	.00138	.00067	.00107	.00184
5	Iron and ferroalloy ores mining .....	.00045	.00048	.00045	.00078	1.04900	.00197	.00071	.00019	.00067	.00516	.00187
6	Nonferrous metal ores mining .....	.00092	.00099	.00078	.00167	.01732	1.10675	.00088	.00028	.00149	.00363	.00274
7	Coal mining .....	.00704	.00453	.00285	.00537	.03947	.02009	1.15508	.00258	.01341	.01958	.00723
8	Crude petroleum and natural gas .....	.07111	.08151	.06825	.10007	.11714	.09425	.04226	1.04634	.07106	.08487	.05016
9	Stone and clay mining and quarrying .....	.00207	.00336	.00084	.00188	.00707	.00257	.00210	.00070	1.03073	.01178	.00955
10	Chemical and fertilizer mineral mining .....	.00153	.00245	.00094	.00424	.00110	.00175	.00056	.00021	.00071	1.02514	.00083
11	New construction											1.00049
12	Repair and maintenance construction .....	.03494	.02464	.02112	.03345	.04593	.04256	.02199	.04300	.02755	.03097	.01551
13	Ordinance and accessories .....	.00006	.00004	.00690	.00007	.00011	.00014	.00006	.00003	.00027	.00006	.00042
14	Food and kindred products .....	.24486	.00795	.04228	.02196	.00388	.00504	.00230	.00169	.00063	.00404	.00515
15	Tobacco manufactures	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills .....	.00182	.00235	.00487	.00408	.00127	.00171	.00211	.00026	.00091	.00223	.00235
17	Miscellaneous textile goods and floor coverings .....	.00145	.00121	.01138	.00546	.00102	.00118	.00070	.00027	.00065	.00052	.00458
18	Apparel .....	.00016	.00012	.00019	.00028	.00021	.00030	.00040	.00010	.00023	.00023	.00041
19	Miscellaneous fabricated textile products .....	.00113	.00163	.00414	.00486	.00049	.00056	.00020	.00010	.00029	.00028	.00046
20	Lumber and wood products, except containers .....	.00553	.00538	.00500	.00426	.00763	.01847	.00693	.00207	.00323	.00431	.00694
21	Wood containers .....	.00175	.00376	.00018	.00064	.00003	.00003	.00002	.00001	.00002	.00002	.00006
22	Household furniture .....	.00002	.00001	.00025	.00002	.00003	.00003	.00001	.00001	.00001	.00002	.00031
23	Other furniture and fixtures .....	.00005	.00003	.00016	.00005	.00011	.00011	.00005	.00004	.00009	.00007	.00168
24	Paper and allied products, except containers .....	.01432	.00920	.00681	.01240	.00638	.00787	.00406	.00242	.00629	.00613	.01177
25	Paperboard containers and boxes .....	.00844	.00537	.00324	.00962	.00214	.00260	.00140	.00052	.00204	.00265	.00323
26	Printing and publishing .....	.00677	.00322	.00441	.00624	.00451	.00553	.00279	.00218	.00468	.00432	.00562
27	Chemicals and selected chemical products .....	.07307	.12245	.04462	.21232	.04698	.07951	.02451	.00930	.02971	.07884	.02802
28	Plastics and synthetic materials .....	.00483	.00415	.00649	.00756	.00669	.00877	.00474	.00100	.00428	.00392	.00784
29	Drugs, cleaning and toilet preparations .....	.00634	.00120	.00124	.00224	.00095	.00117	.00051	.00034	.00105	.00132	.00102
30	Paints and allied products .....	.00140	.00111	.00183	.00183	.00188	.00210	.00090	.00099	.00105	.00118	.00741
31	Petroleum refining and related industries .....	.08099	.09463	.09321	.10652	.10247	.08479	.04771	.01480	.07384	.06246	.06203
32	Rubber and miscellaneous plastics products .....	.01258	.00843	.00733	.01277	.02452	.03267	.01755	.00232	.01480	.00934	.01502
33	Leather tanning and finishing .....	.00011	.00004	.00012	.00003	.00003	.00003	.00002	.00001	.00003	.00002	.00004
34	Footwear and other leather products .....	.00049	.00006	.00033	.00026	.00007	.00008	.00004	.00003	.00007	.00006	.00010
35	Glass and glass products .....	.00480	.00085	.00181	.00186	.00153	.00181	.00065	.00047	.00105	.00131	.00320
36	Stone and clay products .....	.00265	.00209	.00238	.00323	.00589	.01288	.00599	.00243	.01141	.00277	.00273
37	Primary iron and steel manufacturing .....	.00978	.00638	.01215	.00947	.06505	.06238	.02336	.00559	.02075	.02199	.06285
38	Primary nonferrous metals manufacturing .....	.00758	.00443	.00791	.00718	.01943	.01966	.01068	.00331	.01575	.01322	.03753
39	Metal containers .....	.00872	.00128	.00368	.00243	.00073	.00100	.00040	.00021	.00052	.00138	.00099
40	Heating, plumbing, and fabricated structural metal products .....	.00291	.00221	.00341	.00279	.01338	.02146	.00732	.00627	.01001	.02088	.06492
41	Screw machine products and stampings .....	.00290	.00170	.00262	.00323	.01174	.01572	.01041	.00085	.00543	.00621	.00740
42	Other fabricated metal products .....	.00868	.00624	.01068	.00950	.01692	.01252	.00957	.00656	.00903	.00924	.02937
43	Engines and turbines .....	.00202	.00171	.00633	.00667	.02607	.02143	.01465	.00079	.01518	.01618	.00165
44	Farm and garden machinery .....	.00857	.00864	.00407	.00034	.00037	.00020	.00020	.00019	.01132	.00027	.00039
45	Construction and mining machinery .....	.00095	.00093	.00114	.00114	.03014	.03452	.04427	.00499	.03555	.02210	.00795
46	Materials handling machinery and equipment .....	.00026	.00022	.00019	.00030	.00736	.00888	.00397	.00019	.01132	.00648	.00456
47	Metalworking machinery and equipment .....	.00285	.00180	.00124	.00127	.00345	.00377	.00202	.00058	.00244	.00174	.00262
48	Special industry machinery and equipment .....	.00071	.00070	.00057	.00125	.00041	.00062	.00026	.00011	.00029	.00282	.00352
49	General industrial machinery equipment .....	.00292	.00237	.00496	.00278	.02908	.02353	.02703	.00282	.01944	.01112	.00338
50	Miscellaneous machinery, except electrical .....	.00334	.00282	.00237	.00290	.00706	.00780	.01348	.00086	.00659	.00366	.00372
51	Office, computing, and accounting machines .....	.00056	.00038	.00059	.00093	.00063	.00076	.00038	.00025	.00054	.00059	.00107
52	Service industry machines .....	.00079	.00059	.00080	.00107	.00126	.00133	.00046	.00057	.00055	.00061	.01060
53	Electric industrial equipment and apparatus .....	.00210	.00166	.00232	.00219	.00808	.01103	.00733	.00338	.00829	.00681	.01034
54	Household appliances .....	.00024	.00017	.00058	.00030	.00031	.00031	.00014	.00023	.00025	.00023	.00265
55	Electric lighting and wiring equipment .....	.00106	.00075	.00094	.00111	.00160	.00159	.00166	.00097	.00117	.00109	.01578
56	Radio, TV, and communication equipment .....	.00071	.00047	.00084	.00064	.00087	.00092	.00042	.00042	.00058	.00060	.00833
57	Electronic components and accessories .....	.00155	.00111	.00205	.00194	.00230	.00281	.00139	.00082	.00195	.00184	.00478
58	Miscellaneous electrical machinery and supplies .....	.00153	.00143	.00096	.00190	.00178	.00259	.00068	.00023	.00133	.00092	.00182
59	Motor vehicles and equipment .....	.00669	.00583	.00607	.01072	.01260	.01393	.00252	.00086	.00224	.00211	.00414
60	Aircraft and parts .....	.00052	.00027	.00090	.00055	.00086	.00078	.00047	.00009	.00056	.00053	.00045
61	Other transportation equipment .....	.00091	.00044	.00135	.00139	.00126	.00197	.00032	.00015	.00046	.00047	.00100
62	Scientific and controlling instruments .....	.00067	.00044	.00193	.00075	.00133	.00238	.00054	.00032	.00067	.00091	.00371
63	Optical, ophthalmic, and photographic equipment .....	.00094	.00063	.00093	.00154	.00117	.00150	.00066	.00056	.00094	.00108	.00151
64	Miscellaneous manufacturing .....	.00117	.00077	.00095	.00192	.00251	.00141	.00069	.00041	.00152	.00122	.00250
65	Transportation and warehousing .....	.07564	.03573	.03210	.06514	.06072	.05617	.02421	.01036	.03945	.03710	.05170
66	Communications, except radio and TV .....	.01213	.00761	.00663	.00815	.01352	.01458	.00695	.00414	.01026	.01041	.01361
67	Radio and television broadcasting .....	.00005	.00004	.00006	.00006	.00006	.00008	.00004	.00003	.00003	.00006	.00014
68	Private electric, gas, water, and sanitary services .....	.07545	.05201	.02813	.05790	.30348	.20378	.05994	.03167	.13578	.23487	.04883
69	Wholesale and retail trade .....	.09308	.06365	.05172	.09828	.06956	.07681	.05222	.01389	.04882	.04635	.10998
70	Finance and insurance .....	.05501	.03848	.03664	.03117	.03286	.04621	.02122	.01384	.02741	.06463	.02198
71	Real estate and rental .....	.09647	.08858	.03322	.06109	.05592	.09272	.04989	.17971	.04093	.05160	.02921
72	Hotels; personal and repair services (except auto) .....	.00565	.00413	.00602	.01386	.00700	.00777	.00239	.00164	.01284	.00746	.00562
73	Business and professional services except medical .....	.06308	.04177	.07394	.07380	.06972	.08973	.04255	.03559	.05704	.06513	.15209
74	Eating and drinking places .....	.00760	.00525	.00727	.01381	.00847	.01032	.00509	.00407	.00777	.00859	.01091
75	Automobile repair and services .....	.01363	.01039	.01322	.03198	.04010	.04474	.00662	.00236	.00453	.00424	.01316
76	Amusements .....	.00237	.00182	.00330	.01560	.00164	.00207	.00102	.00083	.00153	.00171	.00334
77	Health, educational, and social services and nonprofit organizations .....	.01342	.00174	.00365	.00380	.00377	.00429	.00227	.00089	.00244	.00250	.00191
78	Federal Government enterprises .....	.00388	.00253	.00358	.00629	.00605	.00765	.00188	.00105	.00381	.00575	.00384
79	State and local government enterprises .....	.00104	.00075	.00088	.00155	.00150	.00171	.00036	.00015	.00037	.00093	.00066
80	Noncomparable imports .....	.00829	.00347	.00390	.00696	.00762	.00903	.00264	.00395	.00379	.00601	.00525
81	Scrap, used and secondhand goods .....	.00122	.00076	.00112	.00132	.00348	.00350	.00147	.00043			

Total Requirements, 1982

delivery to final demand, at producers' prices

Repair and maintenance construction	Ordnance and accessories	Food and kindred products	Tobacco manufactures	Broad and narrow fabrics, yarn and thread mill	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products, except containers	Wood containers	Household furniture	Other furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes	Printing and publishing	Chemicals and selected chemical products	Plastics and synthetic materials	Commodity number
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
.00145	.00130	.32262	.00589	.00757	.01613	.00409	.00657	.00525	.00439	.00435	.00226	.00379	.00245	.00252	.00286	.00281	1
.00145	.00107	.19901	.07987	.02293	.02287	.02287	.03404	.00653	.00450	.00848	.00229	.00397	.00245	.00219	.00317	.00680	2
.00428	.00086	.01280	.00077	.00095	.00117	.00388	.00121	.15716	.07193	.02017	.01030	.01620	.00703	.00324	.00172	.00138	3
.00380	.00057	.02224	.01173	.00542	.00227	.00270	.00270	.01984	.00973	.00348	.00183	.00280	.00148	.00100	.00110	.00117	4
.00127	.00165	.00064	.00020	.00069	.00090	.00034	.00047	.00070	.00061	.00118	.00378	.00054	.00056	.00033	.00051	.00156	5
.00220	.00454	.00149	.00042	.00169	.00222	.00086	.00111	.00116	.00094	.00184	.00339	.00167	.00163	.00107	.00820	.00439	6
.00556	.00702	.00771	.00365	.01463	.01426	.00747	.00953	.00735	.00859	.00801	.01122	.01961	.01207	.00643	.01705	.01923	7
.05378	.02561	.05289	.03100	.08513	.08929	.04866	.05411	.05885	.06039	.04539	.03925	.08830	.07488	.04307	.22167	.14386	8
.01395	.00094	.00166	.00098	.00153	.00174	.00079	.00103	.00122	.00135	.00154	.00157	.00561	.00283	.00141	.00441	.00245	9
.00079	.00066	.00138	.00072	.00384	.00522	.00165	.00236	.00113	.00088	.00126	.00119	.00288	.00201	.00136	.00215	.01073	10
1.01330	.01696	.02299	.01014	.02569	.02455	.01618	.01889	.02384	.03009	.02452	.02313	.02549	.02177	.01498	.03131	.02769	11
.00024	1.06608	.00014	.00003	.00007	.00007	.00007	.00007	.00113	.00056	.00023	.00024	.00016	.00009	.00011	.00009	.00007	12
.00432	.00470	1.27548	.00365	.00807	.01040	.00961	.01359	.01144	.01255	.01311	.00661	.01296	.00855	.00906	.01039	.00924	13
	(*)	(*)	1.20627	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.00004	.00002	.00001	(*)	(*)	14
.00239	.00164	.00200	.00129	1.40852	.26321	.36173	.43611	.00201	.00220	.09698	.00981	.01823	.00823	.00590	.00171	.01403	15
.00428	.00078	.00149	.00068	.01458	1.08761	.08669	.07857	.00303	.00202	.02274	.02238	.00880	.00399	.00298	.00089	.00236	17
.00032	.00048	.00020	.00015	.00105	.00114	1.26365	.01987	.00039	.00051	.00103	.00029	.00034	.00027	.00024	.00017	.00027	18
.00082	.00047	.00085	.00042	.00059	.00239	.00239	1.03619	.00097	.00075	.00529	.00084	.00042	.00034	.00035	.00061	.00049	19
.03768	.00642	.00737	.00545	.00529	.00663	.00380	.00731	1.46009	.66583	.18412	.09329	.13665	.05837	.02553	.00599	.00674	20
.00006	.00002	.00137	.00073	.00034	.00016	.00011	.00017	.00010	1.01854	.00011	.00005	.00005	.00003	.00003	.00004	.00006	21
.00024	.00035	.00002	.00001	.00002	.00002	.00002	.00003	.00006	.00008	1.00168	.00007	.00002	.00002	.00002	.00002	.00002	22
.00089	.00076	.00004	.00002	.00004	.00004	.00004	.00005	.00009	.00008	.00010	.01109	.00008	.00005	.00004	.00004	.00004	23
.00964	.00748	.03448	.03376	.02093	.02780	.01484	.02127	.00944	.03937	.01790	.01620	1.20668	.05487	.21390	.01689	.03246	24
.00310	.00317	.002850	.04053	.01567	.01500	.01105	.01749	.00656	.06206	.01619	.01455	.002153	1.05070	.00853	.00845	.01366	25
.00346	.00568	.01556	.02042	.00626	.00697	.00639	.00701	.00468	.00748	.00682	.00586	.00594	.00550	1.10201	.00731	.00633	26
.02886	.02649	.05624	.03469	.18480	.05624	.07781	.11152	.05238	.03921	.05517	.04396	.11303	.08625	.06140	1.27432	.05145	27
.00979	.00884	.00865	.00408	.25023	.31831	.10434	.12950	.00845	.01440	.03900	.01746	.04087	.02985	.01293	.01793	1.06069	28
.00110	.00076	.00930	.00181	.01045	.00872	.01095	.00646	.00107	.00132	.00215	.00119	.00582	.00309	.00175	.00687	.00986	29
.01672	.00122	.00189	.00062	.00222	.00291	.00124	.00155	.01033	.00571	.01514	.01197	.00254	.00356	.00153	.00468	.00527	30
.06916	.02154	.05415	.03533	.06077	.05564	.04155	.03931	.06490	.06614	.04284	.03555	.07947	.07511	.04167	.08106	.06943	31
.02214	.02007	.02636	.01002	.03147	.04258	.02326	.04526	.01715	.01345	.05103	.03167	.03597	.02181	.02248	.02009	.04331	32
.00004	.00004	.00005	.00002	.00009	.00009	.00542	.01410	.00016	.00010	.00584	.00063	.00005	.00003	.00017	.00004	.00004	33
.00007	.00009	.00018	.00004	.00032	.00015	.00025	.00021	.00039	.00024	.00016	.00009	.00011	.00010	.00011	.00009	.00010	34
.00357	.00163	.02114	.00053	.00694	.01093	.00251	.00416	.00400	.00255	.00870	.00289	.00175	.00132	.00101	.00289	.00259	35
.04345	.00552	.00259	.00120	.00300	.00326	.00188	.00235	.00582	.00708	.00851	.00736	.00466	.00323	.00216	.00364	.00346	36
.04124	.05717	.01810	.00409	.00854	.01036	.00541	.00691	.01992	.01803	.03618	1.32228	.00925	.01233	.00620	.01574	.01127	37
.02929	.07280	.01865	.00311	.00712	.00876	.00536	.00599	.01232	.01005	.02210	.04428	.00879	.01501	.01036	.01794	.01154	38
.00149	.00051	.04206	.00059	.00229	.00293	.00132	.00173	.00177	.00143	.00195	.00144	.00168	.00169	.00103	.00922	.00594	39
.05261	.00230	.00218	.00127	.00255	.00263	.00156	.00190	.00668	.00518	.00284	.00268	.00289	.00195	.00152	.00410	.00304	40
.00607	.01255	.00478	.00099	.00193	.00229	.00153	.00187	.00206	.01179	.01293	.02472	.00366	.00289	.00192	.00243	.00216	41
.00314	.01630	.00997	.00623	.00739	.00422	.00521	.00314	.02376	.01619	.03468	.01571	.01450	.00805	.00805	.01466	.01066	42
.00140	.00343	.00154	.00069	.00188	.00199	.00112	.00131	.00219	.00167	.00146	.00192	.00204	.00167	.00104	.00284	.00227	43
.00021	.00022	.00309	.00177	.00093	.00053	.00042	.00051	.00084	.00073	.00040	.00039	.00031	.00023	.00023	.00029	.00033	44
.00527	.00076	.00084	.00042	.00136	.00144	.00073	.00089	.00093	.00096	.00089	.00109	.00166	.00117	.00067	.00327	.00220	45
.00353	.00026	.00026	.00017	.00172	.00064	.00063	.00085	.00114	.00070	.00049	.00046	.00044	.00030	.00022	.00068	.00046	46
.00209	.00783	.00205	.00104	.00214	.00214	.00134	.00174	.00554	.00431	.00353	.00574	.00204	.00250	.00126	.00166	.00184	47
.00041	.00034	.00154	.00051	.01265	.00632	.00741	.00201	.00388	.00269	.00388	.00345	.00388	.00345	.00388	.00594	.00431	48
.00546	.01090	.00303	.00143	.00356	.00423	.00216	.00241	.00554	.00408	.00335	.00875	.00380	.00302	.00195	.00632	.00670	49
.00304	.00945	.00300	.00208	.00474	.00300	.00345	.00345	.01036	.00890	.00565	.00538	.00442	.00455	.00255	.00320	.00379	50
.00055	.00188	.00068	.00040	.00081	.00082	.00068	.00069	.00053	.00083	.00080	.00104	.00056	.00048	.00081	.00066	.00070	51
.01180	.00043	.00067	.00028	.00069	.00069	.00049	.00054	.00118	.00101	.00066	.00082	.00064	.00058	.00045	.00107	.00087	52
.00965	.00546	.00195	.00083	.00266	.00316	.00160	.00188	.00330	.00300	.00269	.00226	.00226	.00225	.00172	.00359	.00280	53
.00441	.00016	.00019	.00009	.00031	.00025	.00032	.00028	.00024	.00034	.00021	.00019	.00021	.00017	.00016	.00021	.00022	54
.01476	.00083	.00077	.00035	.00090	.00084	.00062	.00072	.00136	.00133	.00097	.00110	.00090	.00073	.00059	.00092	.00088	55
.00625	.03441	.00066	.00033	.00066	.00072	.00067	.00064	.00071	.00091	.00084	.00081	.00063	.00064	.00063	.00063	.00067	56
.00355	.07685	.00176	.00100	.00299	.00266	.00233	.00245	.00170	.00248	.00277	.00256	.00183	.00158	.00280	.00228	.00223	57
.00124	.00078	.00074	.00045	.00048	.00040	.00037	.00035	.00088	.00071	.00047	.00044	.00050	.00048	.00041	.00040	.00038	58
.00358	.00240	.00379	.00244	.00303	.00260	.00277	.00222	.00488	.00510	.00524	.00305	.00359	.00362	.00304	.00220	.00242	59
.00040	.06985	.00051	.00018	.00039	.00050	.00027	.00045	.00059	.00089	.00043	.00039	.00057	.00071	.00046	.00054	.00051	60
.00071	.00046	.00140	.00033	.00061	.00077	.00061	.00058	.00865	.00469	.00162	.00110	.00160	.00134	.00072	.00084	.00080	61
.00394	.00258	.00082	.00056	.00136	.00134	.00095	.00141	.00107	.00195	.00178	.00141	.00150	.00149	.00438	.00174	.00142	62
.00100	.00307	.00116	.00079	.00157	.00156	.00136	.00137	.00112	.00170	.00165	.00149	.00111	.00106	.00077	.00133	.00135	63
.00206	.00136	.00106	.00059	.00150	.00146	.01353	.00476	.00112	.00167	.00328	.00113	.00100	.00099	.00445	.00086	.00096	64
.04891	.03541	.07559	.02562	.05235	.06942	.03709	.04325	.06769	.10798	.05535	.04875	.08276	.10879	.05433			

Table 4.—Commodity-by-Commodity
[Total requirements, direct and indirect, per dollar]

Commodity number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Drugs, cleaning and toilet preparations	Paints and allied products	Petroleum refining and related industries	Rubber and miscellaneous plastics products	Leather tanning and finishing	Footwear and other leather products	Glass and glass products	Stone and clay products	Primary iron and steel manufacturing	Primary nonferrous metals manufacturing
		29	30	31	32	33	34	35	36	37	38
1	Livestock and livestock products .....	.00756	.00781	.00079	.00224	.12145	.02333	.00164	.00161	.00134	.00157
2	Other agricultural products .....	.00570	.00601	.00068	.00357	.07529	.01782	.00147	.00154	.00112	.00143
3	Forestry and fishery products .....	.00125	.00576	.00040	.00139	.00534	.00316	.00330	.00128	.00112	.00128
4	Agricultural, forestry, and fishery services .....	.00111	.00170	.00117	.00087	.00881	.00244	.00102	.00076	.00078	.00084
5	Iron and ferrous ores mining .....	.00056	.00214	.00025	.00088	.00086	.00049	.00069	.00152	.03410	.00129
6	Nonferrous metal ores mining .....	.00132	.00935	.00045	.00199	.00197	.00107	.00149	.00235	.00848	.00873
7	Coal mining .....	.00608	.01024	.00557	.01055	.01038	.00623	.01586	.02668	.06309	.01729
8	Crude petroleum and natural gas .....	.04644	.10988	.71471	.07124	.08120	.04154	.08006	.06626	.07437	.08513
9	Stone and clay mining and quarrying .....	.00160	.00797	.00218	.00187	.00188	.00097	.01682	.07990	.00552	.00208
10	Chemical and fertilizer mineral mining .....	.00220	.00755	.00073	.00415	.00646	.00222	.00390	.00313	.00358	.00188
11	New construction										
12	Repair and maintenance construction .....	.01466	.02295	.03900	.02093	.02534	.01607	.03095	.02788	.04891	.03185
13	Ordnance and accessories .....	.00008	.00014	.00004	.00016	.00010	.00008	.00012	.00383	.00104	.00013
14	Food and kindred products .....	.02063	.02978	.00266	.00643	.47942	.08866	.00579	.00574	.00478	.00559
15	Tobacco manufactures	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills .....	.00223	.00263	.00047	.02277	.00184	.05878	.00192	.00534	.00104	.00230
17	Miscellaneous textile goods and floor coverings .....	.00182	.00090	.00055	.01922	.00116	.04459	.00111	.00076	.00077	.00118
18	Apparel .....	.00016	.00020	.00012	.00036	.00034	.00398	.00038	.00033	.00032	.00028
19	Miscellaneous fabricated textile products .....	.00035	.00041	.00018	.00054	.00074	.00085	.00040	.00032	.00040	.00040
20	Lumber and wood products, except containers .....	.00541	.00471	.00277	.00978	.00559	.01940	.02785	.00976	.00856	.00822
21	Wood containers .....	.00011	.00007	.00002	.00007	.00054	.00013	.00529	.00004	.00003	.00004
22	Household furniture .....	.00001	.00002	.00001	.00002	.00002	.00002	.00003	.00002	.00003	.00003
23	Other furniture and fixtures .....	.00003	.00004	.00004	.00004	.00004	.00004	.00004	.00005	.00018	.00005
24	Paper and allied products, except containers .....	.02871	.01727	.00490	.03223	.02269	.02055	.03940	.02128	.00827	.00974
25	Paperboard containers and boxes .....	.02804	.01089	.00238	.01815	.01974	.02036	.06662	.00623	.00313	.00515
26	Printing and publishing .....	.01358	.01382	.00288	.00545	.00976	.00742	.00749	.00467	.00518	.00542
27	Chemicals and selected chemical products .....	.09052	.33120	.02865	.18104	.21908	.09040	.15227	.06120	.07028	.08407
28	Plastics and synthetic materials .....	.01427	.12618	.00228	.20863	.00776	.04553	.00901	.01502	.00515	.03048
29	Drugs, cleaning and toilet preparations	1.10316	.01074	.00256	.00370	.04572	.01328	.00152	.00294	.00102	.00128
30	Paints and allied products .....	.00311	1.01373	.00109	.00293	.00190	.00139	.00395	.00377	.00215	.00310
31	Petroleum refining and related industries .....	.03907	.06299	1.11237	.04409	.06266	.03224	.05045	.05954	.05570	.07053
32	Rubber and miscellaneous plastics products .....	.03880	.01607	.00504	1.05420	.01671	.05338	.02015	.01175	.01116	.02545
33	Leather tanning and finishing .....	.00003	.00003	.00002	.00026	1.05941	.17858	.00007	.00004	.00003	.00003
34	Footwear and other leather products .....	.00008	.00010	.00005	.00015	.00053	1.04071	.00027	.00007	.00011	.00008
35	Glass and glass products .....	.01429	.00362	.00172	.00690	.00919	.00315	1.07329	.00309	.00107	.00213
36	Stone and clay products .....	.00304	.01213	.00331	.00497	.00600	.00331	.01619	1.12740	.01290	.01041
37	Primary iron and steel manufacturing .....	.01158	.02959	.00627	.01534	.01154	.00936	.01096	.01591	1.23372	.03640
38	Primary nonferrous metals manufacturing .....	.01067	.04158	.00404	.01208	.01170	.00820	.00911	.01595	.05290	1.53817
39	Metal containers .....	.01446	.06236	.00130	.00224	.01779	.00392	.00161	.00106	.00094	.00117
40	Heating, plumbing, and fabricated structural metal products .....	.00216	.00255	.00508	.00254	.00242	.00169	.00337	.00336	.00457	.00445
41	Screw machine products and stampings .....	.00642	.00411	.00104	.00642	.00302	.00552	.00539	.00383	.00934	.00851
42	Other fabricated metal products .....	.01296	.01467	.00768	.01548	.00807	.01321	.00722	.01830	.01807	.01873
43	Engines and turbines .....	.00104	.00184	.00115	.00196	.00166	.00109	.00240	.00346	.00459	.00394
44	Farm and garden machinery .....	.00041	.00032	.00018	.00024	.00134	.00047	.00026	.00024	.00060	.00027
45	Construction and mining machinery .....	.00074	.00194	.00388	.00116	.00128	.00069	.00195	.00826	.00469	.00406
46	Materials handling machinery and equipment .....	.00026	.00047	.00023	.00037	.00033	.00036	.00050	.00130	.00117	.00148
47	Metalworking machinery and equipment .....	.00136	.00200	.00073	.00315	.00171	.00241	.00919	.00229	.00914	.02164
48	Special industry machinery and equipment .....	.00102	.00199	.00025	.00376	.00161	.00277	.00185	.00056	.00054	.00068
49	General industrial machinery equipment .....	.00563	.00428	.00270	.00372	.00298	.00211	.00361	.00554	.02217	.02211
50	Miscellaneous machinery, except electrical .....	.00249	.00309	.00139	.00562	.00341	.00480	.00781	.00501	.00808	.00718
51	Office, computing, and accounting machines .....	.00099	.00063	.00035	.00056	.00080	.00078	.00063	.00055	.00119	.00074
52	Service industry machines .....	.00045	.00065	.00058	.00059	.00074	.00051	.00069	.00059	.00100	.00077
53	Electric industrial equipment and apparatus .....	.00160	.00261	.00302	.00234	.00201	.00159	.00500	.00331	.01449	.01311
54	Household appliances .....	.00016	.00019	.00022	.00017	.00035	.00042	.00027	.00021	.00031	.00024
55	Electric lighting and wiring equipment .....	.00057	.00073	.00097	.00184	.00097	.00066	.00134	.00181	.00158	.00142
56	Radio, TV, and communication equipment .....	.00064	.00070	.00049	.00082	.00072	.00065	.00128	.00065	.00100	.00107
57	Electronic components and accessories .....	.00269	.00214	.00102	.00280	.00217	.00245	.00248	.00202	.00301	.00432
58	Miscellaneous electrical machinery and supplies .....	.00049	.00038	.00028	.00056	.00052	.00033	.00050	.00051	.00067	.00100
59	Motor vehicles and equipment .....	.00217	.00270	.00157	.00282	.00316	.00226	.00347	.00316	.00431	.00475
60	Aircraft and parts .....	.00030	.00055	.00040	.00050	.00052	.00036	.00058	.00107	.00074	.00081
61	Other transportation equipment .....	.00058	.00109	.00058	.00070	.00104	.00071	.00098	.00118	.00102	.00119
62	Scientific and controlling instruments .....	.00154	.00159	.00052	.00147	.00111	.00099	.00250	.00113	.00142	.00136
63	Optical, ophthalmic, and photographic equipment .....	.00181	.00143	.00069	.00119	.00129	.00157	.00137	.00126	.00134	.00135
64	Miscellaneous manufacturing .....	.00132	.00150	.00054	.00113	.00175	.01653	.00106	.00166	.00116	.00117
65	Transportation and warehousing .....	.04160	.08185	.06043	.06441	.07855	.05082	.07732	.12251	.08608	.11037
66	Communications, except radio and TV .....	.01359	.01373	.00641	.01815	.01418	.01259	.03043	.01331	.01697	.01745
67	Radio and television broadcasting .....	.00014	.00007	.00004	.00006	.00008	.00009	.00007	.00006	.00009	.00007
68	Private electric, gas, water, and sanitary services .....	.06162	.10008	.06965	.10841	.10879	.06551	.19932	.13800	.19652	.19483
69	Wholesale and retail trade .....	.08534	.09295	.04000	.08835	.14055	.09691	.08114	.05843	.10327	.11667
70	Finance and insurance .....	.02578	.02513	.02349	.02257	.03119	.03848	.02617	.02767	.02485	.03331
71	Real estate and rental .....	.02872	.03695	.13617	.03093	.04279	.02936	.03233	.02909	.03214	.03981
72	Hotels, personal and repair services (except auto) .....	.00633	.00599	.00245	.00524	.02350	.01451	.00572	.00551	.00542	.00693
73	Business and professional services except medical .....	.16191	.08305	.04601	.07159	.09063	.10144	.07945	.06926	.10666	.08048
74	Eating and drinking places .....	.01104	.01269	.00542	.01040	.01196	.01594	.01119	.01090	.01015	.01178
75	Automobile repair and services .....	.00575	.00718	.00352	.00607	.00817	.00664	.00933	.00719	.00772	.01207
76	Amusements .....	.00355	.00207	.00109	.00180	.00227	.00237	.00201	.00167	.00243	.00202
77	Health, educational, and social services and nonprofit organizations .....	.00632	.00321	.00155	.00398	.00365	.00255	.00243	.00243	.00193	.00279
78	Federal Government enterprises .....	.00583	.00654	.00210	.00434	.00689	.01527	.00551	.00471	.00557	.00531
79	State and local government enterprises .....	.00129	.00090	.00030	.00087	.00632	.00153	.00102	.00067	.00115	.00112
80	Noncomparable imports .....	.01275	.01593	.00654	.02183	.01332	.00781	.01083	.00914	.00841	.03767
81	Scrap, used and secondhand goods .....	.00151	.00365	.00056	.00192	.00173	.00133	.00956	.00184	.03575	.08659
	Total commodity output multiplier	2.05560	2.53067	2.39298	2.29425	2.98050	2.39375	2.31205	2.16281	2.48455	2.95965

* Less than 0.000005.

Total Requirements, 1982—Continued
of delivery to final demand, at producers' prices]

Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products	Engines and turbines	Farm and garden machinery	Construction and mining machinery	Materials handling machinery and equipment	Metal-working machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Office, computing, and accounting machines	Service industry machines	Electric industrial equipment and apparatus	Household appliances	Commodity number
39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	
.00168	.00158	.00136	.00151	.00121	.00153	.00121	.00143	.00140	.00165	.00154	.00164	.00193	.00159	.00152	.00167	1
.00137	.00127	.00123	.00128	.00100	.00132	.00097	.00113	.00112	.00138	.00128	.00127	.00155	.00138	.00123	.00170	2
.00117	.00155	.00102	.00149	.00066	.00125	.00074	.00103	.00069	.00113	.00109	.00067	.00073	.00136	.00095	.00229	3
.00073	.00077	.00066	.00073	.00056	.00078	.00053	.00060	.00055	.00068	.00063	.00062	.00067	.00069	.00066	.00082	4
.00826	.00805	.00856	.00602	.00592	.00471	.00552	.00440	.00369	.00407	.00471	.00256	.00087	.00321	.00245	.00378	5
.02228	.01066	.00641	.00726	.00709	.00332	.00290	.00373	.00335	.00594	.00604	.00414	.00292	.00672	.00704	.00548	6
.02192	.01947	.02055	.01663	.01540	.01278	.01386	.01165	.01081	.01185	.01311	.00877	.00560	.01080	.00964	.01272	7
.05713	.04822	.04246	.04729	.03583	.03271	.03087	.03192	.03396	.03875	.03632	.02951	.03170	.03376	.03878	.04006	8
.00226	.00233	.00222	.00226	.00204	.00163	.00180	.00175	.00198	.00190	.00200	.00226	.00110	.00179	.00179	.00228	9
.00166	.00135	.00140	.00167	.00095	.00092	.00089	.00081	.00084	.00122	.00092	.00061	.00071	.00039	.00088	.00137	10
.02810	.03623	.03223	.03184	.02419	.02526	.02565	.02710	.01961	.02471	.02383	.02385	.01751	.02321	.02326	.02285	11
.00029	.00034	.00033	.00026	.00033	.00021	.00023	.00020	.00033	.00025	.00029	.00029	.00009	.00018	.00023	.00021	12
.00559	.00569	.00484	.00541	.00436	.00546	.00436	.00517	.00508	.00596	.00533	.00585	.00699	.00571	.00549	.00589	13
.00001	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	14
.00132	.00137	.00303	.00169	.00156	.00207	.00125	.00138	.00145	.00185	.00276	.00163	.00214	.00190	.00154	.00618	15
.00074	.00100	.00124	.00111	.00100	.00172	.00110	.00137	.00085	.00137	.00659	.00342	.00150	.00126	.00113	.00156	17
.00028	.00025	.00033	.00037	.00034	.00023	.00019	.00024	.00024	.00026	.00034	.00023	.00031	.00026	.00029	.00029	18
.00032	.00053	.00443	.00037	.00083	.00090	.00037	.00042	.00067	.00035	.00037	.00033	.00039	.00041	.00045	.00047	19
.00812	.01227	.00758	.01169	.00460	.00975	.00530	.00787	.00460	.00845	.00837	.00430	.00433	.01057	.00682	.01895	20
.00003	.00008	.00004	.00005	.00003	.00004	.00003	.00003	.00003	.00005	.00004	.00003	.00005	.00003	.00004	.00003	21
.00002	.00003	.00002	.00003	.00005	.00002	.00002	.00003	.00002	.00004	.00003	.00002	.00004	.00003	.00002	.00003	22
.00007	.00010	.00011	.00008	.00015	.00008	.00011	.00045	.00006	.00008	.00009	.00007	.00004	.00007	.00007	.00025	23
.01508	.01060	.01230	.01309	.00849	.00991	.00701	.00819	.00851	.01006	.01130	.01026	.01795	.01295	.01596	.02186	24
.00679	.00707	.00785	.01129	.00421	.00585	.00272	.00357	.00580	.00514	.00250	.00747	.01116	.01020	.00751	.02529	25
.02873	.00513	.00509	.00527	.00466	.00498	.00441	.00519	.00478	.00515	.00616	.00821	.00532	.00591	.00567	.00567	26
.05379	.03930	.04133	.06171	.02685	.02835	.02522	.02401	.02809	.04496	.02731	.01939	.02983	.03567	.03303	.04904	27
.01521	.00864	.01030	.01377	.00696	.01297	.00768	.00743	.00841	.00979	.00972	.00556	.01763	.01503	.01246	.03115	28
.00204	.00156	.00154	.00154	.00072	.00086	.00068	.00072	.00076	.00088	.00082	.00092	.00098	.00097	.00089	.00127	29
.02223	.00575	.00514	.00763	.00226	.00515	.00290	.00322	.00295	.00170	.00190	.00179	.00347	.00526	.00361	.00918	30
.04692	.04343	.03338	.03883	.03026	.02778	.02577	.02913	.03202	.03375	.03216	.02765	.03055	.03286	.03654	.03216	31
.01274	.01894	.01420	.02314	.01615	.05087	.02836	.02241	.01419	.02508	.02507	.00962	.02386	.02386	.03843	.03246	32
.00003	.00004	.00010	.00008	.00003	.00004	.00003	.00003	.00007	.00004	.00004	.00003	.00003	.00004	.00003	.00006	33
.00008	.00010	.00008	.00009	.00007	.00008	.00007	.00007	.00007	.00008	.00007	.00009	.00014	.00009	.00009	.00011	34
.00123	.00818	.00277	.00358	.00121	.00118	.00103	.00128	.00112	.00377	.00120	.00096	.00270	.00296	.00232	.01591	35
.00763	.00897	.00894	.00938	.01297	.00858	.01032	.01103	.01585	.01240	.01352	.02154	.01212	.01379	.01483	.036	36
.29403	.28444	.30197	.19485	.21166	.16702	.19729	.15653	.12978	.14292	.16759	.08998	.02803	.11210	.08515	.13160	37
.36454	.14262	.08605	.10589	.04041	.03273	.04936	.04503	.08859	.08952	.04504	.06273	.04504	.10509	.11336	.07985	38
1.07037	.00099	.00121	.00150	.00060	.00087	.00062	.00067	.00066	.00077	.00064	.00056	.00082	.00095	.00078	.00132	39
.00292	1.04234	.00349	.00615	.01416	.00477	.00273	.05774	.01279	.01844	.01170	.00882	.01117	.01674	.00778	.00357	40
.00556	.04520	1.02066	.01519	.01908	.02629	.00978	.02083	.01128	.01400	.01669	.01127	.01266	.02723	.01727	.02726	41
.02526	.04572	.03093	1.04652	.03490	.02013	.03415	.03295	.01612	.02526	.02482	.03078	.02201	.02487	.01972	.04391	42
.00255	.00275	.00307	.00423	.108764	.06972	.02398	.01528	.00278	.01501	.00956	.00727	.00133	.00766	.00955	.00250	43
.00032	.00035	.00035	.00035	.00087	1.10438	.00158	.00045	.00024	.00034	.00044	.00034	.00022	.00041	.00026	.00034	44
.00234	.00204	.00178	.00192	.00173	.00230	1.05327	.00304	.00113	.00144	.00207	.00112	.00067	.00135	.00120	.00128	45
.00071	.00060	.00055	.00050	.00044	.00042	.00061	1.04471	.00037	.00123	.00064	.00024	.00043	.00048	.00039	.00040	46
.00933	.00997	.01793	.01109	.01410	.00919	.01142	.01007	.014425	.01776	.01520	.02853	.00386	.01332	.00726	.00729	47
.00060	.00045	.00056	.00060	.00034	.00054	.00037	.00045	.00045	1.02246	.00055	.00041	.00052	.00049	.00043	.00067	48
.01124	.02049	.01123	.01109	.03272	.04809	.04158	.05780	.01881	.04447	1.07642	.02642	.00432	.02805	.01001	.01635	49
.00658	.00953	.04864	.00997	.03443	.01947	.02272	.03443	.02775	.02775	.02620	1.07323	.00487	.02331	.02775	.00755	50
.00078	.00080	.00083	.00081	.00093	.00082	.00075	.00096	.00076	.00136	.00216	.00091	1.20942	.00112	.00480	.00120	51
.00064	.00331	.00130	.00089	.00117	.00080	.00073	.00084	.00070	.00121	.00093	.00068	.00054	1.08509	.00080	.03512	52
.00727	.01361	.00841	.00921	.05097	.01249	.01666	.05526	.03459	.07163	.05019	.00945	.00949	1.08832	.06982	.06982	53
.00021	.00028	.00025	.00022	.00020	.00020	.00018	.00020	.00016	.00021	.00019	.00019	.00023	.00022	.00023	1.00253	54
.00100	.00127	.00169	.00110	.00115	.00163	.00084	.00109	.00125	.00114	.00101	.00087	.00532	.00861	.00463	.01570	55
.00081	.00118	.00116	.00135	.00125	.00079	.00076	.00095	.00078	.00102	.00089	.00078	.00163	.00090	.00169	.00271	56
.00256	.00329	.00295	.00373	.00712	.00368	.00284	.00632	.00451	.01199	.00828	.00332	.14389	.00797	.06348	.01524	57
.00056	.00058	.00112	.00072	.01319	.00957	.00137	.00436	.00089	.00073	.00071	.00338	.00195	.00070	.00109	.00080	58
.00345	.00416	.01296	.00409	.01199	.01062	.00433	.00429	.00523	.00288	.00330	.00385	.00261	.00308	.00297	.00283	59
.00059	.00071	.00063	.00071	.01752	.00182	.00081	.00112	.00068	.00172	.00153	.00361	.00050	.00079	.00285	.00061	60
.00088	.00080	.00070	.00073	.00130	.00153	.00057	.00071	.00050	.00070	.00065	.00055	.00057	.00078	.00197	.00078	61
.00121	.00235	.00127	.00128	.00139	.00108	.00089	.00133	.00104	.00118	.00199	.00109	.00151	.01496	.00129	.02882	62
.00137	.00138	.00130	.00133	.00142	.00134	.00121	.00144	.00135	.00179	.00145	.00175	.00186	.00138	.00156	.00139	63
.00112	.00156	.00117	.00130	.00103	.00103	.00115	.00147	.00114	.00118	.00107	.00122	.00220	.00255	.00161	.00463	64
.07921	.06307	.05586	.05632	.04802	.04072	.04072	.03939	.03797	.04758	.04696	.03705	.04669	.05026	.04929	.05415	65
.01471	.02278	.02181	.03079	.01635	.01398	.01461	.01802	.01506	.01938	.01704	.01345	.02180	.01784	.02962	.01733	66
.00008	.00024	.00009	.00007	.00007	.00008	.00008	.00008	.00007	.00008	.00008	.00010	.00007	.00008	.00008	.00008	67
.13284	.10264	.10489	.09877	.08628	.07388	.07356	.06778	.06615	.07769	.08129	.06236	.05515	.07663	.07492	.08659	68
.12134	.11657	.09942	.10227	.10142	.13660	.09342	.10617	.11442	.10338	.13696	.06763	.13159	.13206	.13206	.13206	69
.02640	.02527	.02644	.02684	.02363	.02036	.01893	.02134	.02026	.02833	.02376	.03330	.03538	.02256	.03115	.02840	70</

Table 4.—Commodity-by-Commodity

[Total requirements, direct and indirect, per dollar

Commodity number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Electric lighting and wiring equipment	Radio, TV, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles and equipment	Aircraft and parts	Other transportation equipment	Scientific and controlling instruments	Optical, ophthalmic, and photographic equipment	Miscellaneous manufacturing
		55	56	57	58	59	60	61	62	63	64
1	Livestock and livestock products .....	.00162	.00136	.00190	.00231	.00160	.00118	.00165	.00256	.00139	.00380
2	Other agricultural products .....	.00149	.00119	.00168	.00193	.00198	.00120	.00180	.00312	.00127	.00527
3	Forestry and fishery products .....	.00129	.00086	.00086	.00096	.00098	.00059	.00037	.00151	.00073	.00438
4	Agricultural, forestry, and fishery services .....	.00072	.00060	.00076	.00084	.00070	.00052	.00141	.00081	.00057	.00148
5	Iron and ferrous alloy ores mining .....	.00260	.00070	.00112	.00179	.00283	.00134	.00297	.00130	.00060	.00122
6	Nonferrous metal ores mining .....	.00714	.00361	.00806	.02133	.00430	.00417	.00385	.00604	.00345	.00671
7	Coal mining .....	.01023	.00521	.00848	.00934	.01212	.00599	.00966	.00705	.00612	.00799
8	Crude petroleum and natural gas .....	.04218	.02585	.04604	.05484	.04061	.02530	.03760	.03523	.03397	.04738
9	Stone and clay mining and quarrying .....	.00203	.00077	.00142	.00140	.00191	.00096	.00220	.00126	.00121	.00307
10	Chemical and fertilizer mineral mining .....	.00135	.00077	.00186	.00238	.00116	.00051	.00092	.00101	.00148	.00158
11	New construction										
12	Repair and maintenance construction .....	.02128	.01569	.02379	.02410	.02387	.01610	.04001	.01657	.01424	.02170
13	Ordnance and accessories .....	.00013	.00070	.00011	.00011	.00020	.00094	.00022	.00013	.00014	.00014
14	Food and kindred products .....	.00581	.00484	.00678	.00836	.00536	.00415	.00517	.00868	.00492	.01264
15	Tobacco manufactures	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.00001
16	Broad and narrow fabrics, yarn and thread mills .....	.00330	.00265	.00329	.00240	.01191	.00580	.00813	.02334	.00272	.00527
17	Miscellaneous textile goods and floor coverings .....	.00108	.00145	.00219	.00174	.00592	.00132	.01079	.00900	.00220	.00822
18	Apparel .....	.00030	.00051	.00073	.00032	.00066	.00037	.00047	.00060	.00020	.00088
19	Miscellaneous fabricated textile products .....	.00048	.00039	.00043	.00056	.02061	.00350	.00894	.00041	.00030	.00507
20	Lumber and wood products, except containers .....	.00977	.00629	.00549	.00567	.00703	.00410	.00528	.01148	.00479	.04595
21	Wood containers .....	.00025	.00004	.00009	.00006	.00011	.00002	.00007	.00006	.00007	.00016
22	Household furniture .....	.00005	.00669	.00130	.00016	.00010	.00032	.00472	.00027	.00013	.00021
23	Other furniture and fixtures .....	.00005	.00010	.00005	.00005	.00139	.00457	.00258	.00012	.00003	.00088
24	Paper and allied products, except containers .....	.01741	.01205	.01575	.01546	.01131	.00726	.01039	.02417	.02478	.03704
25	Paperboard containers and boxes .....	.02099	.00578	.00836	.01208	.00567	.00248	.00434	.01182	.00837	.02188
26	Printing and publishing .....	.00571	.00906	.00654	.00781	.00494	.00529	.00456	.00750	.00558	.01120
27	Chemicals and selected chemical products .....	.05576	.03422	.08644	.11200	.03990	.01946	.03303	.04359	.06882	.07067
28	Plastics and synthetic materials .....	.03170	.01814	.02820	.02369	.02332	.00888	.01614	.02511	.02373	.04460
29	Drugs, cleaning and toilet preparations .....	.00116	.00088	.00135	.00155	.00126	.00087	.00102	.00368	.00141	.00193
30	Paints and allied products .....	.00522	.00217	.00186	.00418	.00758	.00220	.00867	.00272	.00123	.00772
31	Petroleum refining and related industries .....	.03515	.02112	.03456	.04387	.03662	.02365	.03686	.03171	.02782	.04263
32	Rubber and miscellaneous plastics products .....	.02480	.05073	.09257	.04771	.06245	.02180	.02322	.03587	.04540	.04533
33	Leather tanning and finishing .....	.00004	.00008	.00006	.00005	.00032	.00008	.00018	.00014	.00004	.00024
34	Footwear and other leather products .....	.00010	.00010	.00012	.00013	.00011	.00011	.00009	.00035	.00007	.00212
35	Glass and glass products .....	.04480	.00420	.01269	.00430	.00787	.00158	.00698	.00509	.00927	.00250
36	Stone and clay products .....	.00716	.00339	.00608	.00576	.01156	.00630	.01553	.00759	.00628	.00971
37	Primary iron and steel manufacturing .....	.08500	.02156	.03161	.04553	.13396	.04635	.10357	.04243	.01527	.03715
38	Primary nonferrous metals manufacturing .....	.10632	.05779	.13035	.13580	.05705	.06672	.05404	.07856	.05150	.10689
39	Metal containers .....	.00109	.00067	.00113	.00150	.00112	.00053	.00107	.00175	.00088	.00162
40	Heating, plumbing, and fabricated structural metal products .....	.00265	.00591	.00550	.00346	.00487	.00309	.03671	.00502	.00189	.00434
41	Screw machine products and stampings .....	.03729	.01380	.01879	.02224	.07788	.01581	.01804	.02365	.01504	.01001
42	Other fabricated metal products .....	.02582	.02288	.04867	.03861	.03288	.01660	.03006	.02157	.01724	.02010
43	Engines and turbines .....	.00193	.00101	.00160	.00232	.02454	.00118	.03012	.00140	.00099	.00187
44	Farm and garden machinery .....	.00067	.00021	.00024	.00031	.00031	.00022	.00034	.00029	.00021	.00035
45	Construction and mining machinery .....	.00116	.00060	.00108	.00163	.00124	.00069	.01103	.00087	.00071	.00108
46	Materials handling machinery and equipment .....	.00037	.00025	.00037	.00050	.00057	.00025	.00059	.00031	.00023	.00042
47	Metalworking machinery and equipment .....	.00704	.00386	.00672	.00707	.01223	.01660	.00683	.00574	.00327	.00629
48	Special industry machinery and equipment .....	.00063	.00050	.00087	.00090	.00072	.00036	.00080	.00086	.00074	.00119
49	General industrial machinery equipment .....	.00591	.00367	.00450	.00946	.01628	.00888	.03212	.00576	.00327	.00471
50	Miscellaneous machinery, except electrical .....	.00798	.00475	.00799	.00965	.02895	.01621	.01240	.00778	.00490	.00952
51	Office, computing, and accounting machines .....	.00102	.01035	.01448	.00224	.00087	.00156	.00074	.00554	.00244	.00174
52	Service industry machines .....	.00084	.00058	.00060	.00157	.02508	.00044	.00607	.00054	.00039	.00179
53	Electric industrial equipment and apparatus .....	.03060	.01005	.01193	.02615	.01084	.00575	.01864	.01790	.00689	.00515
54	Household appliances .....	.00022	.00018	.00022	.00027	.00021	.00023	.00864	.00015	.00014	.00020
55	Electric lighting and wiring equipment	1.03229	.00463	.00258	.00704	.00565	.00077	.00608	.00262	.00206	.00130
56	Radio, TV, and communication equipment .....	.00113	1.04681	.00279	.00124	.00597	.01787	.00468	.00135	.00100	.00161
57	Electronic components and accessories .....	.01573	.20853	1.23607	.10876	.00993	.04655	.00517	.05499	.10253	.02791
58	Miscellaneous electrical machinery and supplies .....	.01020	.00121	.00084	1.07639	.01764	.00279	.00435	.00171	.00138	.00074
59	Motor vehicles and equipment .....	.00305	.00208	.00257	.00761	1.29567	.00193	.03323	.00414	.00214	.00327
60	Aircraft and parts .....	.00054	.00300	.00063	.00073	.00223	1.21265	.00360	.00102	.00050	.00046
61	Other transportation equipment .....	.00068	.00043	.00062	.00079	.00092	.00051	1.02927	.00051	.00047	.00106
62	Scientific and controlling instruments .....	.00153	.00279	.00144	.00163	.00591	.02785	.00532	1.04811	.00162	.00143
63	Optical, ophthalmic, and photographic equipment .....	.00160	.00228	.00194	.00223	.00129	.00587	.00120	.00178	1.02125	.00210
64	Miscellaneous manufacturing .....	.00333	.00158	.00165	.00149	.00136	.00136	.00228	.00216	.00113	1.05190
65	Transportation and warehousing .....	.05518	.03268	.05342	.06458	.06277	.04034	.04562	.03553	.03806	.05684
66	Communications, except radio and TV .....	.01840	.01993	.02475	.02102	.01421	.01487	.01456	.01759	.01476	.01404
67	Radio and television broadcasting .....	.00007	.00007	.00008	.00010	.00007	.00008	.00007	.00007	.00007	.00011
68	Private electric, gas, water, and sanitary services .....	.08400	.05292	.08876	.09012	.07907	.05100	.06527	.06293	.05270	.07467
69	Wholesale and retail trade .....	.11534	.09895	.13126	.12777	.14703	.05753	.10201	.08376	.07199	.11367
70	Finance and insurance .....	.03552	.02305	.03723	.04008	.02318	.03622	.02216	.02210	.03009	.03158
71	Real estate and rental .....	.02754	.02421	.03187	.03323	.02457	.01968	.03714	.02579	.02153	.03228
72	Hotels, personal and repair services (except auto) .....	.01126	.01098	.01062	.01499	.00648	.01673	.00538	.00568	.00894	.00674
73	Business and professional services except medical .....	.08110	.08293	.08706	.11805	.08373	.08981	.07187	.08214	.08612	.12229
74	Eating and drinking places .....	.01286	.01100	.01493	.01933	.01123	.00932	.01050	.01340	.01049	.02135
75	Automobile repair and services .....	.00674	.00437	.00621	.00966	.01840	.00412	.00755	.01163	.00594	.00866
76	Amusements .....	.00204	.00218	.00267	.00402	.00216	.00236	.00233	.00268	.00252	.00309
77	Health, educational, and social services and nonprofit organizations .....	.00234	.00320	.00453	.00271	.00309	.00319	.00199	.00475	.00661	.00595
78	Federal Government enterprises .....	.00534	.00631	.00533	.00512	.00614	.00577	.00461	.00550	.00404	.00852
79	State and local government enterprises .....	.00087	.00067	.00102	.00098	.00110	.00062	.00072	.00077	.00060	.00086
80	Noncomparable imports .....	.00809	.01022	.01383	.01186	.01225	.00690	.00585	.00841	.01541	.03408
81	Scrap, used and secondhand goods .....	.00936	.00411	.00860	.01584	.00989	.00519	.00638	.00611	.00379	.00762
	Total commodity output multiplier	2.22383	2.06195	2.47043	2.51583	2.64078	2.06629	2.23882	2.05721	1.93410	2.35210

* Less than 0.000005.

Total Requirements, 1982—Continued

of delivery to final demand, at producers' prices]

Transportation and warehousing	Communications, except radio and TV	Radio and TV broadcasting	Private electric, gas, water, and sanitary services	Wholesale and retail trade	Finance and insurance	Real estate and rental	Hotels; personal and repair services (exc. auto)	Business and professional services except medical	Eating and drinking places	Automobile repair and services	Amusements	Health, educational, and social services and nonprofit organizations	Federal Government enterprises	State and local government enterprises	Noncomparable imports	Scrap, used, and secondhand goods	Commodity number
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	
.00240	.00082	.00392	.00078	.00309	.00329	.00124	.00194	.00179	.09246	.00146	.00792	.00624	.00325	.00152	.....	.....	1
.00191	.00063	.00290	.00068	.00221	.00237	.00140	.00206	.00134	.06370	.00123	.00586	.00456	.00240	.00149	.....	.....	2
.00067	.00038	.00071	.00066	.00089	.00069	.00041	.00067	.00079	.01216	.00061	.00124	.00098	.00058	.00165	.....	.....	3
.00114	.00049	.00414	.00115	.00111	.00089	.00708	.00271	.00089	.00826	.00067	.01067	.00238	.00054	.00427	.....	.....	4
.00032	.00017	.00012	.00033	.00011	.00008	.00010	.00023	.00015	.00027	.00129	.00014	.00020	.00009	.00069	.....	.....	5
.00055	.00044	.00045	.00054	.00022	.00021	.00019	.00063	.00041	.00060	.00162	.00031	.00048	.00015	.00126	.....	.....	6
.00396	.00181	.00225	.09773	.00368	.00171	.00093	.00622	.00220	.00582	.00569	.00405	.00056	.00156	.02885	.....	.....	7
.12609	.01089	.01383	.26237	.02888	.01552	.00812	.03327	.01780	.03319	.03540	.02066	.02510	.01623	.10734	.....	.....	8
.00114	.00073	.00050	.00156	.00045	.00039	.00087	.00095	.00046	.00087	.00132	.00055	.00092	.00024	.00508	.....	.....	9
.00034	.00015	.00023	.00043	.00017	.00015	.00013	.00043	.00031	.00057	.00054	.00028	.00060	.00009	.00203	.....	.....	10
.04965	.04561	.02499	.08613	.01678	.01715	.05928	.02847	.01193	.01988	.01805	.02523	.04314	.00971	.31769	.....	.....	11
.00006	.00005	.00004	.00005	.00005	.00005	.00002	.00006	.00029	.00013	.00010	.00006	.00005	.00002	.00013	.....	.....	12
.00815	.00293	.01217	.00262	.01151	.01221	.00310	.00633	.00629	.34937	.00525	.02217	.02165	.01201	.00466	.....	.....	13
(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....	14
.00132	.00057	.00140	.00074	.00081	.00087	.00031	.00882	.00119	.00134	.00259	.00315	.00224	.00136	.00154	.....	.....	15
.00109	.00039	.00051	.00064	.00050	.00040	.00035	.00197	.00063	.00105	.00141	.00081	.00099	.00043	.00167	.....	.....	16
.00057	.00045	.00061	.00021	.00020	.00013	.00006	.00458	.00024	.00015	.00068	.00157	.00106	.00012	.00108	.....	.....	17
.00116	.00016	.00073	.00027	.00048	.00080	.00016	.00793	.00056	.00060	.00343	.00169	.00177	.00178	.00057	.....	.....	18
.00382	.00254	.00363	.00522	.00500	.00251	.00262	.00437	.00526	.00477	.00352	.00732	.00483	.00105	.01338	.....	.....	19
.00003	.00001	.00003	.00002	.00017	.00002	.00001	.00005	.00002	.00043	.00009	.00005	.00005	.00002	.00004	.....	.....	21
.00007	.00023	.00008	.00003	.00001	.00002	.00002	.00007	.00003	.00002	.00003	.00006	.00002	.00001	.00009	.....	.....	22
.00011	.00005	.00004	.00009	.00004	.00003	.00006	.00006	.00004	.00004	.00023	.00006	.00006	.00003	.00029	.....	.....	23
.00623	.00453	.00719	.00441	.01767	.01316	.00311	.01325	.03363	.02241	.00785	.01032	.01941	.00372	.00890	.....	.....	24
.00182	.00100	.00129	.00107	.00425	.00125	.00052	.00281	.00179	.01527	.00322	.00157	.00265	.00100	.00215	.....	.....	25
.00632	.00727	.00698	.00348	.00756	.02479	.00301	.00996	.02257	.00816	.00395	.00832	.02952	.00769	.00556	.....	.....	26
.01334	.00622	.01024	.01677	.00674	.00619	.00551	.01836	.01389	.02339	.01922	.01217	.02783	.00369	.00562	.....	.....	27
.00364	.00231	.00265	.00243	.00210	.00181	.00106	.00754	.00362	.00538	.00728	.00312	.00542	.00127	.00524	.....	.....	28
.00093	.00054	.00081	.00070	.00093	.00078	.00033	.01311	.00225	.00439	.00104	.00123	.01671	.00090	.00143	.....	.....	29
.00169	.00179	.00068	.00172	.00065	.00055	.00105	.00107	.00097	.00097	.00160	.00082	.00115	.00043	.00566	.....	.....	30
.18450	.01094	.01330	.07645	.03309	.01837	.00937	.03009	.01980	.03114	.04026	.01781	.02470	.02043	.06493	.....	.....	31
.00144	.00655	.00715	.00681	.00549	.00427	.00280	.01838	.00964	.01799	.01542	.00788	.01808	.00277	.01209	.....	.....	32
.00004	.00002	.00007	.00002	.00004	.00005	.00001	.00075	.00004	.00007	.00008	.00015	.00008	.00004	.00004	.....	.....	33
.00010	.00006	.00030	.00005	.00017	.00019	.00003	.00343	.00014	.00028	.00014	.00063	.00016	.00022	.00009	.....	.....	34
.00124	.00067	.00104	.00102	.00090	.00075	.00038	.00469	.00077	.00886	.00886	.00095	.00262	.00057	.00206	.....	.....	35
.00350	.00234	.00166	.00504	.00151	.00117	.00275	.00527	.00145	.00208	.00913	.00185	.00294	.00078	.01954	.....	.....	36
.01019	.00529	.00344	.00989	.00320	.00236	.00296	.00632	.00421	.00751	.00437	.00371	.00186	.00282	.01886	.....	.....	37
.00702	.00638	.00641	.00656	.00260	.00263	.00221	.00827	.00502	.00732	.00205	.00364	.00446	.00191	.01335	.....	.....	38
.00067	.00029	.00056	.00046	.00114	.00054	.00023	.00064	.00066	.00171	.00116	.00093	.00123	.00048	.00101	.....	.....	39
.00373	.00272	.00164	.00629	.00124	.00112	.00334	.00205	.00116	.00163	.00216	.00171	.00258	.00070	.01738	.....	.....	40
.00265	.00323	.00155	.00274	.00143	.00092	.00056	.00257	.00176	.00216	.05661	.00167	.00203	.00178	.00337	.....	.....	41
.01035	.00479	.00358	.00751	.00365	.00203	.00222	.00564	.00356	.00499	.04362	.00355	.00403	.00206	.01368	.....	.....	42
.00414	.00383	.00054	.00963	.00070	.00058	.00027	.00097	.00129	.00109	.00572	.00086	.00062	.00062	.00580	.....	.....	43
.00026	.00010	.00028	.00053	.00029	.00030	.00046	.00027	.00200	.00114	.00024	.00049	.00024	.00009	.00644	.....	.....	44
.00114	.00037	.00032	.00548	.00040	.00026	.00037	.00062	.00059	.00057	.00068	.00046	.00052	.00021	.00528	.....	.....	45
.00027	.00020	.00017	.00072	.00038	.00016	.00023	.00079	.00079	.00103	.00025	.00021	.00023	.00014	.00129	.....	.....	46
.00175	.00053	.00058	.00098	.00054	.00037	.00021	.00091	.00116	.00103	.00406	.00054	.00054	.00039	.00174	.....	.....	47
.00024	.00014	.00024	.00018	.00031	.00034	.00010	.00044	.00118	.00151	.00031	.00033	.00047	.00012	.00046	.....	.....	48
.00623	.00229	.00088	.00049	.00092	.00101	.00055	.00146	.00354	.00172	.00452	.00114	.00107	.00081	.00420	.....	.....	49
.00534	.00092	.00113	.00382	.00143	.00088	.00057	.00225	.00177	.00611	.02188	.00139	.00110	.00110	.02108	.....	.....	50
.00082	.00071	.00111	.00044	.00107	.00271	.00029	.00796	.00575	.00077	.00073	.00103	.00107	.00040	.00075	.....	.....	51
.00114	.00062	.00062	.00120	.00075	.00039	.00074	.00443	.00072	.00069	.00166	.00101	.00072	.00066	.00416	.....	.....	52
.00746	.00339	.00114	.00411	.00087	.00094	.00073	.00257	.00209	.00131	.00595	.00104	.00120	.00085	.00471	.....	.....	53
.00039	.00024	.00027	.00052	.00020	.00019	.00039	.00836	.00020	.00033	.00029	.00029	.00029	.00009	.00298	.....	.....	54
.00139	.00129	.00094	.00243	.00059	.00061	.00102	.00224	.00085	.00130	.00481	.00155	.00188	.00098	.00547	.....	.....	55
.00130	.00316	.00360	.00080	.00080	.00155	.00160	.00120	.00068	.00244	.00086	.00137	.00034	.00243	.00086	.....	.....	56
.00257	.01763	.03705	.00150	.00192	.00360	.00070	.02119	.01116	.00176	.00394	.00252	.00302	.00070	.00247	.....	.....	57
.00103	.00040	.00031	.00075	.00048	.00029	.00038	.00043	.00069	.00046	.00910	.00039	.00139	.00056	.00255	.....	.....	58
.00762	.00099	.00133	.00417	.00403	.00183	.00064	.00225	.00241	.00244	.18773	.00223	.00189	.01000	.00352	.....	.....	59
.00701	.00023	.00018	.00051	.00016	.00026	.00007	.00020	.00022	.00034	.00059	.00017	.00018	.00048	.00044	.....	.....	60
.00980	.00025	.00150	.00064	.00036	.00066	.00014	.00040	.00135	.00116	.00053	.00387	.00036	.00080	.00144	.....	.....	61
.00078	.00045	.00051	.00235	.00049	.00042	.00031	.00109	.00110	.00054	.00200	.00073	.00808	.00032	.00212	.....	.....	62
.00117	.00117	.01122	.00085	.00138	.00590	.00055	.00543	.00615	.00113	.00110	.00487	.00374	.00060	.00137	.....	.....	63
.00144	.00133	.00216	.00088	.00173	.00323	.00053	.01930	.00274	.00275	.00131	.00368	.00298	.00135	.00204	.....	.....	64
1.17262	.01086	.02280	.05378	.02246	.03929	.00864	.02465	.02486	.04703	.03392	.02115	.02440	.07664	.04690	.....	.....	65
.01884	1.02194	.01804	.00706	.02053	.03707	.00526	.02376	.02302	.01242	.01467	.01694	.01729	.00514	.01565	.....	.....	66
.00006	.00003	1.00557	.00004	.00009	.00012	.00003	.00008	.00008	.00009	.00006	.00012	.00006	.00002	.00006	.....	.....	67
.04537	.02067	.02714	1.36895	.04643	.02041	.00999	.07761	.02353	.06932	.04831	.05143	.04015	.01827				

Table 5.—Industry-by-Commodity
[Total requirements, direct and indirect, per dollar]

Industry number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Livestock and livestock products	Other agricultural products	Forestry and fishery products	Agri-cultural, forestry, and fishery services	Iron and ferroalloy ores mining	Non-ferrous metal ores mining	Coal mining	Crude petroleum and natural gas	Stone and clay mining and quarrying	Chemical and fertilizer mineral mining	New construction
		1	2	3	4	5	6	7	8	9	10	11
1	Livestock and livestock products	1.34261	.02846	.04859	.07773	.00119	.00158	.00073	.00058	.00103	.00123	.00183
2	Other agricultural products .....	.44354	1.05124	.18223	.15399	.00145	.00199	.00094	.00065	.00110	.00140	.00306
3	Forestry and fishery products .....	.02666	.00081	.84738	.00330	.00082	.00184	.00070	.00024	.00040	.00054	.00620
4	Agricultural, forestry, and fishery services .....	.05814	.05656	.11485	.95898	.00082	.00130	.00060	.00131	.00063	.00102	.00174
5	Iron and ferroalloy ores mining .....	.00042	.00045	.00042	.00073	.97555	.00255	.00067	.00017	.00062	.00538	.00175
6	Nonferrous metal ores mining .....	.00095	.00103	.00082	.00173	.09078	1.10470	.00101	.00030	.00427	.00402	.00290
7	Coal mining .....	.07074	.00454	.00285	.00538	.03950	.02130	1.15496	.00259	.01478	.01959	.00725
8	Crude petroleum and natural gas .....	.07559	.08607	.07218	.10528	.12697	.10147	.04520	1.04635	.07646	.09192	.05338
9	Stone and clay mining and quarrying .....	.00195	.00316	.00081	.00179	.00663	.00253	.00204	.00067	.96048	.01133	.00916
10	Chemical and fertilizer mineral mining .....	.00228	.00373	.00140	.00645	.00158	.00277	.00082	.00031	.00247	.81852	.00123
11	New construction											1.00049
12	Repair and maintenance construction .....	.03494	.02464	.02112	.03345	.04593	.04256	.02199	.04300	.02755	.03097	.01551
13	Ordinance and accessories .....	.00013	.00011	.00621	.00020	.00029	.00033	.00018	.00005	.00036	.00019	.00061
14	Food and kindred products .....	.24125	.00810	.04173	.02211	.00395	.00517	.00234	.00169	.00349	.00417	.00516
15	Tobacco manufactures	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills .....	.00221	.00275	.00589	.00512	.00167	.00223	.00236	.00032	.00117	.00244	.00287
17	Miscellaneous textile goods and floor coverings .....	.00140	.00117	.01050	.00512	.00101	.00117	.00070	.00026	.00064	.00053	.00427
18	Apparel .....	.00019	.00015	.00028	.00038	.00023	.00032	.00041	.00010	.00044	.00025	.00043
19	Miscellaneous fabricated textile products .....	.00097	.00138	.00351	.00410	.00044	.00051	.00019	.00009	.00026	.00025	.00044
20	Lumber and wood products, except containers .....	.00565	.00566	.00499	.00431	.00761	.01833	.00688	.00206	.00324	.00432	.00621
21	Wood containers .....	.00158	.00340	.00017	.00058	.00003	.00004	.00002	.00001	.00002	.00002	.00011
22	Household furniture .....	.00007	.00004	.00029	.00007	.00007	.00009	.00004	.00002	.00004	.00004	.00044
23	Other furniture and fixtures .....	.00008	.00006	.00019	.00009	.00018	.00021	.00010	.00006	.00014	.00012	.00187
24	Paper and allied products, except containers .....	.01443	.00942	.00703	.01288	.00675	.00838	.00431	.00247	.00649	.00637	.01218
25	Paperboard containers and boxes .....	.00841	.00535	.00325	.00956	.00225	.00275	.00149	.00053	.00211	.00268	.00329
26	Printing and publishing .....	.01324	.00753	.01196	.01384	.01162	.01466	.00713	.00579	.01048	.01094	.02112
27	Chemicals and selected chemical products .....	.05911	.09806	.03654	.16994	.03858	.06465	.02027	.00786	.02463	.27178	.02377
28	Plastics and synthetic materials .....	.00594	.00653	.00684	.01166	.00690	.00945	.00466	.00109	.00441	.00525	.00742
29	Drugs, cleaning and toilet preparations .....	.00741	.00306	.00200	.00543	.00176	.00248	.00094	.00049	.00155	.00252	.00158
30	Paints and allied products .....	.00146	.00122	.00185	.00203	.00190	.00216	.00092	.00097	.00108	.00124	.00724
31	Petroleum refining and related industries .....	.08761	.10729	.09551	.13072	.10488	.09221	.04920	.01548	.09806	.07080	.06380
32	Rubber and miscellaneous plastics products .....	.01228	.00833	.00735	.01269	.02361	.03143	.01686	.00230	.01429	.00918	.01504
33	Leather tanning and finishing .....	.00011	.00004	.00012	.00012	.00003	.00003	.00002	.00001	.00003	.00002	.00004
34	Footwear and other leather products .....	.00049	.00003	.00028	.00010	.00012	.00006	.00006	.00003	.00009	.00008	.00014
35	Glass and glass products .....	.00474	.00086	.00180	.00187	.00155	.00184	.00067	.00047	.00106	.00132	.00327
36	Stone and clay products .....	.00285	.00234	.00250	.00350	.00622	.01290	.00606	.00243	.05130	.00375	.06167
37	Primary iron and steel manufacturing .....	.01013	.00675	.01249	.01006	.06450	.06181	.02347	.00581	.02093	.02224	.06323
38	Primary nonferrous metals manufacturing .....	.00785	.00484	.00810	.00784	.01993	.02025	.01094	.00341	.01687	.01358	.03799
39	Metal containers .....	.00887	.00134	.00376	.00254	.00082	.00110	.00046	.00023	.00058	.00144	.00109
40	Heating, plumbing, and fabricated structural metal products .....	.00300	.00228	.00350	.00289	.01354	.02130	.00758	.00613	.01010	.00238	.00626
41	Screw machine products and stampings .....	.00292	.00173	.00261	.00315	.01122	.01493	.00989	.00086	.00528	.00597	.00730
42	Other fabricated metal products .....	.00805	.00579	.00980	.00879	.01608	.01226	.00927	.00598	.00869	.00879	.02734
43	Engines and turbines .....	.00185	.00156	.00555	.00583	.02278	.01885	.01296	.00078	.01336	.01415	.00188
44	Farm and garden machinery .....	.00813	.00818	.00399	.00517	.00108	.00111	.00089	.00023	.00083	.00073	.00074
45	Construction and mining machinery .....	.00126	.00120	.00149	.00141	.03013	.03429	.04330	.00493	.03006	.02190	.00853
46	Materials handling machinery and equipment .....	.00029	.00024	.00027	.00032	.00698	.00837	.00394	.00022	.01055	.00608	.00432
47	Metalworking machinery and equipment .....	.00270	.00175	.00125	.00132	.00355	.00387	.00223	.00059	.00253	.00185	.00277
48	Special industry machinery and equipment .....	.00077	.00074	.00062	.00124	.00074	.00093	.00056	.00015	.00056	.00278	.00078
49	General industrial machinery equipment .....	.00292	.00237	.00483	.00284	.02775	.02268	.02575	.00275	.01907	.01093	.00946
50	Miscellaneous machinery, except electrical .....	.00325	.00274	.00235	.00285	.00701	.00772	.01300	.00088	.00647	.00366	.00385
51	Office, computing, and accounting machines .....	.00064	.00046	.00067	.00105	.00076	.00092	.00045	.00029	.00063	.00069	.00132
52	Service industry machines .....	.00086	.00065	.00089	.00114	.00157	.00167	.00070	.00062	.00078	.00084	.01066
53	Electric industrial equipment and apparatus .....	.00205	.00163	.00226	.00220	.00779	.01051	.00699	.00316	.00788	.00649	.01007
54	Household appliances .....	.00032	.00022	.00063	.00037	.00047	.00051	.00026	.00025	.00034	.00033	.00294
55	Electric lighting and wiring equipment .....	.00109	.00077	.00101	.00114	.00184	.00186	.00171	.00096	.00127	.00119	.01488
56	Radio, TV, and communication equipment .....	.00081	.00054	.00106	.00077	.00112	.00123	.00059	.00049	.00079	.00079	.00850
57	Electronic components and accessories .....	.00154	.00112	.00199	.00194	.00232	.00283	.00144	.00082	.00195	.00185	.00493
58	Miscellaneous electrical machinery and supplies .....	.00151	.00139	.00100	.00187	.00186	.00262	.00076	.00026	.00137	.00098	.00220
59	Motor vehicles and equipment .....	.00700	.00604	.00666	.01110	.01443	.01579	.00391	.00103	.00344	.00320	.00527
60	Aircraft and parts .....	.00076	.00048	.00229	.00116	.00317	.00274	.00183	.00021	.00195	.00192	.00093
61	Other transportation equipment .....	.00108	.00061	.05076	.00155	.00165	.00236	.00060	.00021	.00077	.00076	.00128
62	Scientific and controlling instruments .....	.00077	.00053	.00193	.00090	.00151	.00248	.00073	.00036	.00083	.00103	.00380
63	Optical, ophthalmic, and photographic equipment .....	.00120	.00103	.00111	.00220	.00138	.00183	.00077	.00060	.00107	.00136	.00178
64	Miscellaneous manufacturing .....	.00153	.00104	.00143	.00235	.00289	.00195	.00097	.00059	.00151	.00156	.00332
65	Transportation and warehousing .....	.07415	.02514	.03145	.06381	.06119	.05608	.02398	.01030	.03933	.03772	.05066
66	Communications, except radio and TV .....	.01213	.00761	.00663	.00815	.01332	.01458	.00695	.00414	.01026	.01041	.01361
67	Radio and television broadcasting .....	.00295	.00195	.00346	.00345	.00326	.00420	.00199	.00167	.00267	.00305	.00712
68	Private electric, gas, water, and sanitary services .....	.06525	.04538	.02449	.05090	.26094	.17548	.05164	.02814	.11682	.20214	.04214
69	Wholesale and retail trade .....	.09262	.06334	.05146	.09780	.06921	.07643	.05196	.01382	.04858	.04612	.10943
70	Finance and insurance .....	.05521	.03861	.03685	.03138	.03307	.04648	.02135	.01398	.02758	.06483	.02240
71	Real estate and rental .....	.09541	.08760	.03286	.06042	.05530	.09170	.04935	.17774	.04048	.05104	.02889
72	Hotels; personal and repair services (except auto) .....	.00577	.00424	.00607	.01394	.00707	.00789	.00245	.00184	.01289	.00753	.00568
73	Business and professional services except medical .....	.05315	.03519	.06230	.06219	.05875	.07560	.03585	.02998	.04806	.05487	.12815
74	Eating and drinking places .....	.00753	.00520	.00720	.01368	.00839	.01022	.00505	.00404	.00770	.00851	.01081
75	Automobile repair and services .....	.01355	.01033	.01314	.03178	.03984	.04446	.00659	.00236	.00451	.00423	.01311
76	Amusements .....	.00251	.00191	.00346	.01562	.00181	.00229	.00112	.00092	.00167	.01062	.00371
77	Health, educational, and social services and nonprofit organizations .....	.01345	.00176	.00369	.00384	.00380	.00433	.00229	.00091	.00247	.00253	.00198
78	Federal Government enterprises .....	.00577	.00384	.00439	.00793	.01231	.01202	.00329	.00183	.00672	.01057	.00529
79	State and local government enterprises .....	.01103	.00748	.00477	.00953	.03250	.02356	.00719	.00510	.01461	.02460	.00705
	Total industry output multiplier	3.03538	1.94125	1.96999	2.32581	2.44250	2.48014	1.81241	1.48032	1.87527	2.07169	2.16161

*Less than 0.000005.

Total Requirements, 1982

of delivery to final demand, at producers' prices]

Repair and maintenance construction	Ordnance and accessories	Food and kindred products	Tobacco manufactures	Broad and narrow fabrics, yarn and thread mill	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products, except containers	Wood containers	Household furniture	Other furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes	Printing and publishing	Chemicals and selected chemical products	Plastics and synthetic materials	Industry number
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
.00164	.00139	.33869	.00610	.00776	.01631	.00432	.00680	.00900	.00620	.00498	.00259	.00433	.00272	.00271	.00303	.00297	1
.00259	.00142	.20520	.20248	.08051	.02357	.02373	.03458	.03542	.01812	.01247	.00442	.00730	.00425	.00306	.00386	.00743	2
.00358	.00072	.01072	.00064	.00080	.00098	.00325	.00101	.13162	.06024	.01689	.00863	.01357	.00589	.00272	.00144	.00116	3
.00360	.00054	.02107	.01111	.00514	.00228	.00215	.00256	.00189	.00922	.00330	.00173	.00265	.00140	.00095	.00104	.00111	4
.00118	.00154	.00060	.00019	.00064	.00084	.00032	.00044	.00066	.00057	.00109	.00352	.00051	.00052	.00031	.00328	.00146	5
.00233	.00465	.00154	.00043	.00174	.00228	.00088	.00115	.00121	.00099	.00192	.00365	.00173	.00168	.00109	.00844	.00449	6
.00558	.00702	.00771	.00365	.01463	.01427	.00747	.00954	.00736	.00859	.00801	.01122	.01961	.01208	.00643	.01707	.01924	7
.05710	.02755	.05847	.03292	.09039	.09430	.05180	.05755	.06274	.06459	.04843	.04203	.09448	.07989	.04587	.22971	.15039	8
.01318	.00090	.00157	.00092	.00145	.00165	.00075	.00098	.00117	.00130	.00148	.00150	.00526	.00266	.00133	.00416	.00231	9
.00117	.00092	.00192	.00108	.00573	.00779	.00244	.00349	.00167	.00128	.00182	.00160	.00394	.00286	.00197	.03842	.01593	10
1.01330	.01696	.02299	.01014	.02569	.02455	.01618	.01889	.02384	.03009	.02452	.02313	.02549	.02177	.01498	.03131	.02769	11
.00041	.94727	.00021	.00008	.00019	.00023	.00014	.00015	.00113	.00061	.00033	.00034	.00025	.00018	.00100	.00059	.00031	12
.00435	.00471	1.25584	.00371	.00851	.01096	.00974	.01373	.01142	.01251	.01310	.00685	.01324	.00936	.00912	.01302	.01063	13
(*)	(*)	.00001	1.20477	(*)	.00001	(*)	(*)	(*)	.00001	(*)	(*)	.00021	.00009	.00004	(*)	.00001	14
.00304	.00213	.00254	.00155	1.40216	.29973	.36867	.56520	.00262	.00304	.09876	.01114	.02034	.00976	.00601	.00268	.06584	15
.00400	.00078	.00148	.00070	.02152	.99787	.01117	.08039	.00289	.00197	.02154	.02065	.00979	.00440	.00309	.00102	.00245	16
.00035	.00049	.00023	.00016	.00577	.00262	1.25700	.03781	.00042	.00054	.00146	.00041	.00042	.00031	.00028	.00019	.00033	17
.00073	.00042	.00077	.00038	.00140	.00502	.02058	.86600	.00992	.00071	.00533	.00149	.00078	.00066	.00054	.00056	.00048	18
.03734	.00639	.00748	.00548	.00533	.00671	.00383	.00790	1.43957	.74579	.18404	.09732	.13525	.05786	.02532	.00602	.00676	19
.00009	.00003	.00125	.00067	.00031	.00015	.00011	.00016	.00131	.92116	.00031	.00013	.00016	.00016	.00005	.00005	.00006	20
.00035	.00048	.00017	.00003	.00009	.00018	.00014	.00317	.00163	.00163	.98299	.00917	.00025	.00016	.00008	.00006	.00007	21
.00106	.00113	.00009	.00005	.00009	.00008	.00008	.00071	.00176	.00235	.00269	.97191	.00038	.00020	.00027	.00009	.00009	22
.01006	.00806	.03434	.03641	.02175	.03620	.01529	.02414	.01294	.04048	.01905	.01822	1.17793	.49627	.21711	.01957	.03362	23
.00319	.00325	.02829	.04001	.01561	.01507	.01747	.00693	.01747	.06393	.01639	.01455	.02338	1.03492	.00974	.00846	.01371	24
.00931	.01473	.02532	.02651	.01697	.02202	.01566	.01691	.01163	.01873	.01749	.01822	.02298	.01894	1.09686	.01627	.01655	25
.02478	.02236	.04658	.02822	.17581	.23659	.07415	.10378	.04319	.03326	.04896	.03751	.09543	.07255	.05703	1.01481	.52747	26
.00912	.00804	.00878	.00430	.21088	.29736	.08774	.11143	.00848	.01291	.03440	.01628	.03672	.02677	.01234	.04577	.87368	27
.00173	.00125	.01070	.00233	.01328	.01276	.01195	.00910	.00196	.00204	.00318	.00199	.00752	.00514	.00288	.02565	.01891	28
.01622	.00125	.00194	.00066	.00328	.00424	.00168	.00211	.01010	.00646	.01483	.01168	.00304	.00377	.00166	.00594	.00944	29
.07086	.02442	.05968	.03863	.08689	.09191	.05191	.05465	.06948	.06900	.04922	.04038	.09246	.08426	.04849	.24834	.15122	30
.02166	.01953	.02553	.00983	.05340	.05587	.02373	.04675	.01790	.01490	.05081	.03191	.04000	.02471	.02286	.02118	.04712	31
.00004	.00004	.00005	.00002	.00013	.00010	.00556	.01409	.00010	.00010	.00063	.00063	.00019	.00019	.00019	.00019	.00019	32
.00011	.00011	.00021	.00005	.00035	.00019	.00096	.00103	.00069	.00039	.00056	.00020	.00019	.00019	.00019	.00019	.00019	33
.00361	.00165	.02079	.00062	.00697	.01091	.00257	.00432	.00454	.00293	.00987	.00319	.00187	.00360	.00105	.00290	.00305	34
.04307	.00562	.00288	.00137	.00343	.00596	.00210	.00286	.00681	.00760	.00883	.00776	.00805	.00476	.00288	.00476	.00416	35
.04208	.05722	.01833	.00447	.00899	.01093	.00565	.00722	.02113	.01881	.03820	.01777	.01000	.01299	.00660	.01815	.01239	36
.02969	.07234	.01873	.00326	.00770	.00953	.00561	.00635	.01276	.01038	.02258	.04527	.00922	.01529	.01050	.02157	.01303	37
.00160	.00060	.00462	.00084	.00243	.00309	.00142	.00189	.00192	.00183	.00221	.00187	.00187	.00708	.00230	.00940	.00612	38
.05103	.00374	.00239	.00136	.00273	.00289	.00167	.00216	.00941	.00649	.00400	.00540	.00332	.01182	.00169	.00430	.00322	39
.00602	.01231	.00476	.00102	.00198	.00234	.00155	.00198	.01927	.01125	.01290	.02365	.00358	.00317	.00192	.00251	.00223	40
.02775	.00943	.00847	.00607	.00670	.00739	.00520	.00520	.03072	.02323	.05796	.03699	.01622	.01911	.00979	.01372	.01006	41
.00160	.00367	.00142	.00065	.00174	.00184	.00104	.00122	.00210	.00189	.00146	.00192	.00188	.00157	.00098	.00259	.00209	42
.00048	.00042	.00300	.00171	.00096	.00066	.00045	.00096	.00096	.00198	.00060	.00234	.00040	.00055	.00028	.00040	.00044	43
.00577	.00139	.00108	.00055	.00157	.00165	.00085	.00103	.00136	.00128	.00150	.00189	.00184	.00138	.00079	.00346	.00240	44
.00334	.00035	.00029	.00018	.00168	.00063	.00085	.00118	.00075	.00075	.00075	.00130	.00048	.00034	.00026	.00072	.00051	45
.00222	.00755	.00199	.00101	.00219	.00226	.00135	.00174	.00527	.00412	.00352	.00557	.00204	.00243	.00132	.00206	.00197	46
.00062	.00055	.00051	.00052	.01169	.01692	.00585	.00693	.00216	.00474	.00312	.00124	.00329	.00366	.00558	.00550	.00409	47
.00575	.01058	.00302	.00145	.00369	.00441	.00228	.00289	.00563	.00419	.00371	.00903	.00382	.00311	.00218	.00628	.00651	48
.00316	.00928	.00294	.00202	.00460	.00439	.00291	.00345	.01002	.00859	.00565	.00595	.00430	.00443	.00254	.00316	.00370	49
.00075	.00495	.00077	.00045	.00099	.00102	.00085	.00084	.00062	.00095	.00119	.00227	.00084	.00065	.00115	.00108	.00093	50
.01171	.00062	.00074	.00033	.00078	.00080	.00055	.00077	.00138	.00116	.00093	.00422	.00076	.00072	.00052	.00120	.00097	51
.00935	.00583	.00191	.00082	.00264	.00314	.00158	.00187	.00323	.00293	.00269	.00541	.00224	.00221	.00173	.00387	.00290	52
.00465	.00034	.00034	.00012	.00040	.00037	.00039	.00041	.00046	.00048	.00280	.00093	.00032	.00026	.00023	.00032	.00032	53
.01385	.00133	.00091	.00038	.00095	.00092	.00064	.00076	.00149	.00141	.00127	.00167	.00095	.00081	.00063	.00102	.00094	54
.00647	.04744	.00078	.00039	.00082	.00096	.00062	.00079	.00088	.00109	.00168	.00107	.00078	.00079	.00119	.00081	.00084	55
.00354	.07072	.00176	.00099	.00300	.00306	.00232	.00246	.00174	.00246	.00279	.00260	.00250	.00187	.00288	.00249	.00243	56
.00160	.00116	.00082	.00046	.00053	.00047	.00041	.00040	.00097	.00080	.00066	.00070	.00058	.00058	.00049	.00047	.00047	57
.00451	.00729	.00428	.00261	.00339	.00303	.00300	.00270	.00617	.00594	.00456	.00507	.00392	.00404	.00332	.00279	.00291	58
.00079	.16956	.00072	.00029	.00068	.00082	.00047	.00133	.00104	.00223	.00078	.00073	.00084	.00095	.00065	.00090	.00081	59
.00096	.00060	.00149	.00038	.00071	.00088	.00070	.00116	.00885	.00614	.00177	.00196	.00168	.00141	.00077	.00094	.00088	60
.00395	.00309	.00100	.00065	.00269	.00461	.00266	.00714	.00125	.00204	.00265	.00453	.00358	.00236	.00452	.00206	.00164	61
.00129	.00411	.00142	.00093	.00232	.00258	.00171	.00186	.00135	.00190	.00196	.00184	.00230	.00174	.00796	.00524	.00315	62
.00248	.00231	.00163	.00094	.00258	.00337	.01386	.00889	.00257	.00532	.00719	.00327	.00200	.00168	.00714	.00181	.00171	63
.04790	.03486	.07412	.02515	.05194	.06850	.03664	.04275	.06641	.10573	.05438	.04795	.08166	.10667	.0			

Table 5.—Industry-by-Commodity
 [Total requirements, direct and indirect, per dollar]

Industry number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Drugs, cleaning and toilet preparations	Paints and allied products	Petroleum refining and related industries	Rubber and miscellaneous plastics products	Leather tanning and finishing	Footwear and other leather products	Glass and glass products	Stone and clay products	Primary iron and steel manufacturing	Primary nonferrous metals manufacturing
		29	30	31	32	33	34	35	36	37	38
1	Livestock and livestock products .....	.00785	.00832	.00085	.00236	.12751	.02450	.00180	.00172	.00143	.00168
2	Other agricultural products .....	.00619	.00737	.00108	.00415	.07795	.01890	.00246	.00237	.00174	.00218
3	Forestry and fishery products .....	.00105	.00483	.00034	.00117	.00448	.00265	.00276	.00108	.00094	.00094
4	Agricultural, forestry, and fishery services .....	.00105	.00161	.00111	.00082	.00835	.00231	.00097	.00072	.00074	.00079
5	Iron and ferroalloy ores mining .....	.00053	.00020	.00024	.00082	.00081	.00046	.00065	.00142	.03172	.00126
6	Nonferrous metal ores mining .....	.00136	.00950	.00048	.00205	.00204	.00110	.00158	.00266	.01087	.08766
7	Coal mining .....	.00608	.01026	.00558	.01056	.01039	.00623	.01588	.02679	.06311	.01739
8	Crude petroleum and natural gas .....	.04918	.11452	.75562	.07521	.08589	.04412	.08607	.07123	.08040	.09167
9	Stone and clay mining and quarrying .....	.00151	.00749	.00219	.00177	.00179	.00092	.01575	.07897	.00520	.00200
10	Chemical and fertilizer mineral mining .....	.00306	.01083	.00100	.00593	.00832	.00308	.00536	.00621	.00391	.00275
11	New construction										
12	Repair and maintenance construction .....	.01466	.02295	.03900	.02093	.02534	.01607	.03095	.02788	.04891	.03185
13	Ordinance and accessories .....	.00016	.00031	.00008	.00065	.00022	.00017	.00024	.00349	.00133	.00049
14	Food and kindred products .....	.02619	.03020	.00270	.00751	.47269	.08768	.00610	.00582	.00487	.00572
15	Tobacco manufactures .....	.00001	.00001	(*)	.00001	(*)	(*)	.00001	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills .....	.00302	.00884	.00062	.03343	.00232	.06142	.00242	.00610	.00135	.00385
17	Miscellaneous textile goods and floor coverings .....	.00181	.00094	.00053	.01939	.00116	.04171	.00119	.00079	.00075	.00119
18	Apparel .....	.00020	.00022	.00013	.00061	.00036	.01281	.00039	.00035	.00033	.00030
19	Miscellaneous fabricated textile products .....	.00049	.00038	.00016	.00095	.00066	.00170	.00067	.00032	.00036	.00038
20	Lumber and wood products, except containers .....	.00544	.00472	.00276	.01114	.00562	.01969	.02903	.01001	.00851	.00817
21	Wood containers .....	.00011	.00007	.00002	.00008	.00049	.00014	.00481	.00005	.00003	.00004
22	Household furniture .....	.00013	.00006	.00004	.00042	.00010	.00033	.00647	.00011	.00006	.00007
23	Other furniture and fixtures .....	.00008	.00008	.00006	.00069	.00008	.00019	.00022	.00014	.00037	.00011
24	Paper and allied products, except containers .....	.03468	.01889	.00500	.04215	.02322	.02165	.03950	.02262	.00854	.01016
25	Paperboard containers and boxes .....	.02785	.01091	.00239	.02253	.01958	.02037	.06575	.00623	.00318	.00523
26	Printing and publishing .....	.03015	.02250	.00756	.01360	.01911	.02133	.01602	.01189	.01604	.01367
27	Chemicals and selected chemical products .....	.09931	.29500	.02578	.17125	.17681	.07772	.12283	.05550	.05766	.07155
28	Plastics and synthetic materials .....	.01710	.11611	.00339	.18352	.01199	.04111	.01129	.01421	.00608	.02711
29	Drugs, cleaning and toilet preparations	1.05688	.01919	.00349	.00854	.04742	.01436	.00403	.00404	.00213	.00266
30	Paints and allied products .....	.00391	.97862	.00112	.00410	.00214	.00163	.00403	.00410	.00218	.00320
31	Petroleum refining and related industries .....	.05207	.11056	1.07099	.07023	.08966	.04379	.06933	.07034	.06309	.07999
32	Rubber and miscellaneous plastics products .....	.03753	.01768	.00494	.99924	.01649	.05790	.02137	.01544	.01132	.02675
33	Leather tanning and finishing .....	.00003	.00003	.00002	.00026	1.05279	.17856	.00007	.00004	.00003	.00003
34	Footwear and other leather products .....	.00012	.00012	.00006	.00111	.00305	1.01822	.00030	.00012	.00013	.00011
35	Glass and glass products .....	.01413	.00366	.00170	.00762	.00908	.00322	1.05093	.00417	.00109	.00219
36	Stone and clay products .....	.00355	.01329	.00369	.00773	.00624	.00383	.01989	1.09954	.01308	.01059
37	Primary iron and steel manufacturing .....	.01212	.03032	.00655	.01613	.01207	.00993	.01140	.01665	1.20160	.04906
38	Primary nonferrous metals manufacturing .....	.01096	.04218	.00427	.01303	.01232	.00853	.00966	.01701	.05990	1.51320
39	Metal containers .....	.01480	.06300	.00134	.00323	.01809	.00413	.00201	.00115	.00103	.00127
40	Heating, plumbing, and fabricated structural metal products .....	.00238	.00281	.00501	.00437	.00255	.00196	.00480	.00438	.00739	.00659
41	Screw machine products and stampings .....	.00618	.00432	.00105	.00656	.00301	.00540	.00562	.00377	.00978	.00916
42	Other fabricated metal products .....	.01219	.01389	.00701	.01598	.00763	.01281	.00750	.01785	.02338	.02066
43	Engines and turbines .....	.00099	.00171	.00115	.00189	.00152	.00104	.00225	.00314	.00464	.00385
44	Farm and garden machinery .....	.00046	.00042	.00025	.00046	.00134	.00052	.00037	.00046	.00300	.00050
45	Construction and mining machinery .....	.00096	.00217	.00087	.00149	.00143	.00086	.00209	.00829	.00927	.00457
46	Materials handling machinery and equipment .....	.00029	.00049	.00025	.00043	.00035	.00038	.00052	.00127	.00130	.00160
47	Metalworking machinery and equipment .....	.00140	.00207	.00074	.00339	.00172	.00234	.00846	.00346	.00981	.02016
48	Special industry machinery and equipment .....	.00104	.00193	.00028	.00397	.00156	.00264	.00185	.00078	.00109	.00117
49	General industrial machinery equipment .....	.00547	.00431	.00265	.00428	.00297	.00222	.00364	.00574	.02159	.02116
50	Miscellaneous machinery, except electrical .....	.00246	.00305	.00138	.00565	.00331	.00465	.00751	.00536	.00856	.00734
51	Office, computing, and accounting machines .....	.00110	.00081	.00040	.00074	.00093	.00097	.00078	.00065	.00164	.00094
52	Service industry machines .....	.00058	.00074	.00063	.00108	.00081	.00060	.00078	.00069	.00126	.00121
53	Electric industrial equipment and apparatus .....	.00162	.00264	.00285	.00264	.00202	.00167	.00481	.00508	.01360	.01283
54	Household appliances .....	.00028	.00036	.00025	.00107	.00043	.00061	.00048	.00027	.00044	.00075
55	Electric lighting and wiring equipment .....	.00068	.00091	.00097	.00222	.00102	.00074	.00411	.00233	.00499	.00415
56	Radio, TV, and communication equipment .....	.00086	.00090	.00057	.00105	.00085	.00092	.00143	.00113	.00137	.00427
57	Electronic components and accessories .....	.00263	.00219	.00102	.00339	.00215	.00245	.00258	.00215	.00321	.00561
58	Miscellaneous electrical machinery and supplies .....	.00055	.00065	.00032	.00082	.00058	.00041	.00072	.00067	.00097	.00764
59	Motor vehicles and equipment .....	.00274	.00410	.00179	.00612	.00353	.00282	.00475	.00535	.01074	.00695
60	Aircraft and parts .....	.00051	.00080	.00055	.00097	.00074	.00053	.00090	.00181	.00145	.00138
61	Other transportation equipment .....	.00064	.00123	.00064	.00093	.00111	.00077	.00154	.00127	.00129	.00142
62	Scientific and controlling instruments .....	.00324	.00170	.00057	.00245	.00129	.00180	.00498	.00136	.00168	.00179
63	Optical, ophthalmic, and photographic equipment .....	.00420	.00451	.00079	.00321	.00207	.00250	.00227	.00165	.00161	.00232
64	Miscellaneous manufacturing .....	.00260	.00244	.00079	.00384	.00640	.01911	.00284	.00243	.00175	.00190
65	Transportation and warehousing .....	.04092	.08037	.05931	.06344	.07722	.04993	.07664	.12021	.08514	.10878
66	Communications, except radio and TV .....	.01359	.01373	.00641	.01815	.01418	.01259	.03043	.01331	.01697	.01745
67	Radio and television broadcasting .....	.00757	.00398	.00215	.00335	.00424	.00474	.00372	.00324	.00499	.00376
68	Private electric, gas, water, and sanitary services .....	.05342	.08767	.06118	.09405	.09464	.05675	.17197	.11887	.16917	.16779
69	Wholesale and retail trade .....	.08491	.09248	.03980	.08791	.13985	.09643	.08073	.05814	.10275	.11609
70	Finance and insurance .....	.02623	.02537	.02365	.02277	.03145	.03877	.02639	.02787	.02515	.03355
71	Real estate and rental .....	.02841	.03655	.13468	.03059	.04232	.02904	.03197	.02877	.03179	.03937
72	Hotels; personal and repair services (except auto) .....	.00639	.00604	.00261	.00528	.02356	.01456	.00577	.00556	.00548	.00698
73	Business and professional services except medical .....	.13642	.07166	.03876	.06032	.07636	.08547	.06694	.05835	.08987	.06781
74	Eating and drinking places .....	.01093	.01257	.00537	.01030	.01185	.01579	.01109	.01080	.01005	.01167
75	Automobile repair and services .....	.00575	.00716	.00351	.00605	.00814	.00662	.00929	.00715	.00770	.01201
76	Amusements .....	.00395	.00228	.00121	.00197	.00249	.00262	.00220	.00184	.00270	.00222
77	Health, educational, and social services and nonprofit organizations .....	.00640	.00325	.00158	.00401	.00370	.00260	.00247	.00246	.00199	.00283
78	Federal Government enterprises .....	.00745	.00893	.00371	.00687	.00963	.01704	.00980	.00774	.00988	.00965
79	State and local government enterprises .....	.00852	.01276	.00960	.01305	.01900	.00935	.02212	.01782	.02221	.02267
	Total industry output multiplier	2.04231	2.51355	2.38616	2.27208	2.96654	2.38531	2.29332	2.15275	2.44565	2.84982

* Less than 0.000005.

Total Requirements, 1982—Continued

of delivery to final demand, at producers' prices]

Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products	Engines and turbines	Farm and garden machinery	Construction and mining machinery	Materials handling machinery and equipment	Metal-working machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Office, computing, and accounting machines	Service industry machines	Electric industrial equipment and apparatus	Household appliances	Industry number
39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	
.00178	.00169	.00145	.00162	.00129	.00164	.00129	.00152	.00148	.00176	.00164	.00173	.00204	.00169	.00162	.00180	1
.00198	.00188	.00171	.00184	.00136	.00182	.00132	.00153	.00145	.00183	.00173	.00160	.00193	.00189	.00167	.00239	2
.00098	.00130	.00085	.00125	.00055	.00105	.00062	.00087	.00058	.00095	.00092	.00056	.00061	.00114	.00079	.00192	3
.00069	.00073	.00062	.00069	.00053	.00074	.00050	.00056	.00052	.00065	.00060	.00059	.00063	.00065	.00062	.00077	4
.00769	.00749	.00797	.00561	.00551	.00438	.00513	.00409	.00344	.00379	.00438	.00238	.00081	.00299	.00229	.00352	5
.02282	.01121	.00701	.00767	.00730	.00365	.00329	.00404	.00360	.00622	.00637	.00432	.00298	.00694	.00720	.00574	6
.02195	.01949	.02057	.01664	.01541	.01278	.01386	.01165	.01082	.01186	.01312	.00877	.00560	.01081	.00965	.01273	7
.06154	.05188	.04581	.05074	.03868	.03522	.03330	.03435	.03647	.04158	.03914	.03177	.03393	.03986	.04162	.04301	8
.00215	.00222	.00211	.00215	.00196	.00156	.00172	.00168	.00192	.00183	.00192	.00219	.00106	.00172	.00173	.00219	9
.00212	.00167	.00174	.00224	.00118	.00117	.00110	.00102	.00112	.00165	.00116	.00082	.00101	.00301	.00121	.00184	10
.02810	.03623	.03223	.03184	.02419	.02526	.02565	.02710	.01961	.02471	.02383	.02385	.01751	.02321	.02326	.02285	11
.00050	.00139	.00081	.00073	.00322	.00058	.00049	.00050	.00134	.00141	.00123	.00182	.00028	.00056	.00176	.00046	13
.00666	.00572	.00502	.00550	.00438	.00586	.00437	.00517	.00509	.00613	.00534	.00582	.00701	.00614	.00551	.00604	14
.00006	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	15
.00212	.00189	.00407	.00251	.00202	.00284	.00169	.00182	.00195	.00251	.00340	.00200	.00308	.00271	.00225	.00775	16
.00075	.00102	.00126	.00138	.00099	.00169	.00108	.00133	.00083	.00138	.00614	.00319	.00152	.00124	.00112	.00158	17
.00030	.00030	.00042	.00041	.00036	.00026	.00020	.00026	.00028	.00028	.00036	.00025	.00033	.00028	.00030	.00034	18
.00030	.00052	.00394	.00045	.00073	.00089	.00035	.00047	.00102	.00037	.00049	.00032	.00039	.00043	.00041	.00047	19
.00806	.01432	.00760	.01194	.00463	.00972	.00535	.00799	.00464	.00851	.00840	.00430	.00040	.01068	.00681	.01890	20
.00004	.00008	.00004	.00007	.00003	.00004	.00003	.00004	.00003	.00012	.00004	.00003	.00005	.00151	.00004	.00030	21
.00006	.00025	.00031	.00041	.00009	.00008	.00006	.00012	.00005	.00011	.00008	.00006	.00045	.00016	.00023	.00138	22
.00015	.00132	.00059	.00070	.00028	.00028	.00021	.00059	.00018	.00021	.00024	.00021	.00048	.00155	.00024	.00054	23
.01536	.01095	.01253	.01693	.00878	.01047	.00743	.00857	.00874	.01062	.01263	.01044	.02171	.01330	.01636	.02241	24
.00796	.00944	.00944	.01143	.00427	.00605	.00285	.00368	.00585	.00537	.00704	.00744	.01130	.01023	.00757	.02516	25
.03761	.01295	.01514	.01544	.01262	.01432	.01256	.01343	.01233	.01551	.01378	.01721	.01757	.01410	.01525	.01467	26
.04552	.03288	.03464	.05148	.02267	.02467	.02136	.02037	.02376	.03787	.02369	.01651	.02614	.03132	.02814	.04315	27
.01395	.00824	.00959	.01300	.00652	.01176	.00717	.00690	.00774	.00938	.00897	.00521	.01563	.01337	.01122	.02694	28
.00295	.00223	.00221	.00269	.00120	.00143	.00114	.00117	.00137	.00164	.00135	.00126	.00159	.00215	.00149	.00266	29
.02157	.00566	.00506	.00749	.00225	.00507	.00287	.00317	.00291	.00179	.00191	.00178	.00348	.00518	.00358	.00905	30
.05272	.04721	.03785	.04588	.03286	.03076	.02832	.03138	.03472	.03867	.03481	.02960	.03366	.03671	.03980	.03805	31
.01516	.01973	.01686	.02578	.01610	.04899	.02746	.02260	.02645	.03150	.02063	.01056	.05588	.02417	.02500	.04018	32
.00003	.00004	.00010	.00008	.00003	.00004	.00003	.00003	.00007	.00004	.00004	.00003	.00005	.00004	.00003	.00006	33
.00010	.00013	.00019	.00029	.00010	.00014	.00011	.00010	.00011	.00015	.00012	.00011	.00020	.00013	.00012	.00016	34
.00126	.00824	.00278	.00386	.00125	.00124	.00107	.00131	.00122	.00385	.00124	.00111	.00274	.00299	.00234	.01575	35
.00777	.00945	.00923	.01020	.01295	.00871	.01068	.01105	.01706	.01300	.01366	.02234	.00764	.01261	.01393	.01498	36
.29026	.28596	.29550	.23462	.20860	.16546	.19428	.15520	.13151	.14149	.16866	.09061	.11139	.08484	.13086	.13086	37
.36068	.14699	.08766	.11182	.10376	.04131	.03402	.05038	.05227	.08940	.09173	.06468	.04497	.01460	.11248	.07994	38
1.07960	.00125	.00337	.00296	.00074	.00124	.00073	.00081	.00079	.00089	.00080	.00069	.00099	.00113	.00091	.00161	39
.00441	.99934	.00880	.01450	.01507	.00880	.03104	.04406	.01453	.02175	.01707	.01144	.01125	.02039	.00862	.00588	40
.00984	.04450	.94599	.01777	.01890	.02994	.01089	.02078	.04382	.01568	.01761	.01351	.01272	.02801	.01776	.03161	41
.02541	.04775	.03678	.93300	.03350	.02071	.03505	.03464	.02094	.02681	.03653	.02094	.02128	.02702	.00128	.04150	42
.00253	.00485	.00357	.00534	.93336	.06111	.02197	.01620	.00501	.01512	.01404	.01227	.00206	.00984	.02844	.00370	43
.00095	.00163	.00202	.00140	.01156	1.03850	.01246	.00256	.00168	.00142	.00251	.00119	.00047	.00208	.00061	.00167	44
.00364	.00611	.00333	.00865	.00846	.02627	1.01401	.04018	.00329	.00566	.01671	.00402	.00109	.00483	.00339	.00240	45
.00079	.00133	.00110	.00104	.00074	.00134	.00521	.95058	.00145	.00760	.00451	.00225	.00033	.00236	.00121	.00060	46
.00900	.00105	.01937	.01289	.01437	.01176	.01346	.01197	.93753	.02500	.01783	.03222	.00399	.01301	.00988	.00995	47
.00087	.00184	.00132	.00200	.00119	.00565	.00205	.00643	.00690	.00374	.00690	.00371	.00093	.00128	.00128	.00114	48
.01096	.02348	.01335	.01602	.04152	.04984	.04713	.06435	.02117	.05832	.99514	.03340	.00482	.03490	.01393	.01877	49
.00664	.01012	.04747	.01315	.03462	.03145	.02037	.02431	.03002	.03557	.02814	1.01545	.00520	.02312	.01343	.00785	50
.00097	.00104	.00113	.00128	.00131	.00108	.00094	.00140	.00128	.00416	.00256	.00140	1.15867	.00161	.00813	.00192	51
.00086	.00928	.00213	.00354	.00174	.00153	.00129	.00484	.00209	.00397	.00630	.00222	.00126	1.02823	.00196	.04085	52
.00699	.01311	.00920	.00968	.05177	.01216	.01574	.05445	.02594	.06801	.04960	.00958	.04051	.03779	.99953	.06497	53
.00193	.00110	.00690	.00076	.00050	.00187	.00036	.00067	.00087	.00250	.00085	.00035	.00062	.02609	.00156	.96284	54
.00244	.00309	.00360	.00366	.00237	.00251	.00161	.00231	.00240	.00228	.00218	.00218	.00731	.00918	.01245	.01632	55
.00169	.00286	.00162	.00280	.00220	.00121	.00119	.00326	.00150	.00283	.00222	.00131	.01765	.00251	.01259	.01855	56
.00289	.00359	.00350	.00490	.00722	.00375	.00293	.00641	.00551	.01841	.00882	.00362	.16088	.00828	.06549	.01495	57
.00218	.00129	.00167	.00238	.01299	.00927	.00168	.00446	.00135	.00143	.00142	.00378	.00227	.00162	.00325	.00229	58
.00571	.00825	.05415	.01187	.04538	.01857	.01110	.01457	.01424	.00551	.00856	.01080	.00376	.00699	.00602	.00578	59
.00098	.00208	.00130	.00256	.10006	.00797	.00324	.00563	.00243	.00816	.00907	.00600	.00126	.00205	.00610	.00140	60
.00102	.00240	.00117	.00144	.01076	.01729	.00144	.00631	.00127	.00297	.00157	.00200	.00113	.00286	.01494	.00172	61
.00142	.00318	.00195	.00453	.00193	.00147	.00153	.00246	.00198	.00268	.00576	.00180	.00316	.01493	.00395	.02739	62
.00175	.00164	.00171	.00178	.00171	.00161	.00137	.00165	.00177	.01044	.00173	.00192	.00651	.00186	.00257	.00210	63
.00172	.00237	.00249	.00376	.00155	.00170	.00167	.00209	.00186	.00199	.00216	.00207	.00303	.00310	.00224	.00636	64
.07802	.06210	.05510	.05550	.04734	.05043	.04014	.03881	.03742	.04685	.04627	.03649	.04583	.04955	.04849	.05331	65
.01471	.02278	.02181	.03079	.01635	.01398	.01461	.01802	.01506	.01938	.01704	.01345	.02180	.01784	.02962	.01733	66
.00420	.00372	.00372	.00394	.00364	.00427	.00373	.00373	.00342	.00417	.00387	.00505	.00344	.00400	.00425	.00402	67
.11439	.08838	.09031	.08517	.07426	.06362	.06332	.05836	.05698	.06698	.06998	.05368	.04754	.06602	.06454	.07464	68
.12074	.11599	.09893	.09977	.10091	.13592	.09296	.10564	.07257	.11385	.10287	.06729	.13628	.13094	.10588	.13140	69
.02666	.02548	.02672	.02708	.02385	.02061	.01915	.02157	.02047	.02859	.02400	.03361	.03559	.02280	.03141	.028	

Table 5.—Industry-by-Commodity

[Total requirements, direct and indirect, per dollar

Industry number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Electric lighting and wiring equipment	Radio, TV, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles and equipment	Aircraft and parts	Other transportation equipment	Scientific and controlling instruments	Optical, ophthalmic, and photographic equipment
		55	56	57	58	59	60	61	62	63
1	Livestock and livestock products .....	.00173	.00144	.00201	.00244	.00169	.00125	.00187	.00271	.00148
2	Other agricultural products .....	.00201	.00153	.00212	.00244	.00248	.00152	.00320	.00360	.00160
3	Forestry and fishery products .....	.00108	.00072	.00072	.00081	.00082	.00050	.00533	.00126	.00061
4	Agricultural, forestry, and fishery services .....	.00068	.00057	.00072	.00080	.00066	.00050	.00134	.00077	.00054
5	Iron and ferrous metal ores mining .....	.00242	.00065	.00104	.00168	.00356	.00125	.00276	.00121	.00057
6	Nonferrous metal ores mining .....	.00732	.00366	.00813	.02142	.00456	.00426	.00406	.00613	.00349
7	Coal mining .....	.01024	.00522	.00850	.00936	.01212	.00600	.00967	.00706	.00612
8	Crude petroleum and natural gas .....	.04519	.02771	.04916	.05835	.04355	.02719	.04027	.03768	.03611
9	Stone and clay mining and quarrying .....	.00192	.00073	.00135	.00134	.00183	.00092	.00212	.00121	.00116
10	Chemical and fertilizer mineral mining .....	.00190	.00112	.00274	.00353	.00153	.00070	.00125	.00145	.00219
11	New construction									
12	Repair and maintenance construction .....	.02128	.01569	.02379	.02410	.02387	.01610	.04001	.01657	.01424
13	Ordnance and accessories .....	.00033	.01240	.00062	.00040	.00055	.01601	.00074	.00074	.00162
14	Food and kindred products .....	.00590	.00489	.00694	.00853	.00545	.00415	.00520	.00873	.00505
15	Tobacco manufactures	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills .....	.00490	.00360	.00476	.00365	.01557	.00664	.01016	.02500	.00395
17	Miscellaneous textile goods and floor coverings .....	.00109	.00145	.00222	.00173	.00573	.00132	.01007	.00872	.00215
18	Apparel .....	.00038	.00054	.00076	.00035	.00104	.00045	.00065	.00102	.00023
19	Miscellaneous fabricated textile products .....	.00056	.00038	.00043	.00052	.01747	.00298	.00757	.00102	.00030
20	Lumber and wood products, except containers .....	.01018	.00632	.00560	.00576	.00728	.00414	.05672	.01194	.00483
21	Wood containers .....	.00024	.00005	.00009	.00006	.00011	.00003	.00011	.00010	.00007
22	Household furniture .....	.00061	.00684	.00261	.00034	.00030	.00045	.00486	.00057	.00032
23	Other furniture and fixtures .....	.00277	.00021	.00017	.00015	.00153	.00451	.00273	.00207	.00012
24	Paper and allied products, except containers .....	.01770	.01343	.02183	.01658	.01210	.00788	.01093	.03007	.03300
25	Paperboard containers and boxes .....	.02087	.00597	.00870	.01221	.00601	.00258	.00444	.01188	.00852
26	Printing and publishing .....	.01419	.01773	.01561	.02002	.01359	.01443	.01199	.01609	.01598
27	Chemicals and selected chemical products .....	.04838	.02962	.07251	.09277	.03502	.01684	.02861	.03808	.05833
28	Plastics and synthetic materials .....	.02739	.01607	.02590	.02247	.02071	.00795	.01452	.02211	.02143
29	Drugs, cleaning and toilet preparations .....	.00213	.00156	.00289	.00342	.00214	.00166	.00170	.02070	.00444
30	Paints and allied products .....	.00522	.00222	.00426	.00426	.00747	.00219	.00847	.00278	.00137
31	Petroleum refining and related industries .....	.04179	.02519	.04528	.05754	.04098	.02551	.04018	.03674	.03634
32	Rubber and miscellaneous plastics products .....	.02636	.04858	.08867	.04851	.06125	.02162	.02304	.04015	.04421
33	Leather tanning and finishing .....	.00004	.00008	.00006	.00005	.00032	.00038	.00018	.00014	.00004
34	Footwear and other leather products .....	.00014	.00016	.00021	.00019	.00020	.00015	.00014	.00066	.00015
35	Glass and glass products .....	.00418	.00423	.01260	.00431	.00790	.00162	.00699	.00606	.00944
36	Stone and clay products .....	.00893	.00411	.00656	.00604	.01186	.00682	.01551	.00791	.01107
37	Primary iron and steel manufacturing .....	.08879	.02262	.03424	.04747	.13286	.04656	.10339	.04315	.01622
38	Primary nonferrous metals manufacturing .....	.10909	.05849	.13012	.13509	.05779	.06658	.05440	.07826	.05125
39	Metal containers .....	.00139	.00081	.00136	.00171	.00142	.00063	.00121	.00193	.00102
40	Heating, plumbing, and fabricated structural metal products .....	.00528	.00629	.00627	.00468	.00649	.00374	.03652	.00674	.00229
41	Screw machine products and stampings .....	.03555	.01341	.01935	.02145	.07298	.01582	.01795	.02424	.01431
42	Other fabricated metal products .....	.02692	.02123	.04487	.03571	.03163	.01685	.02870	.02931	.01602
43	Engines and turbines .....	.00238	.00118	.00176	.00293	.02346	.00236	.02665	.00173	.00111
44	Farm and garden machinery .....	.00431	.00032	.00041	.00052	.00117	.00040	.00196	.00086	.00029
45	Construction and mining machinery .....	.00207	.00091	.00158	.00281	.00321	.00134	.01367	.00152	.00093
46	Materials handling machinery and equipment .....	.00050	.00055	.00050	.00065	.00109	.00034	.00176	.00045	.00032
47	Metalworking machinery and equipment .....	.00767	.00379	.00690	.00710	.01205	.01528	.00682	.00640	.00335
48	Special industry machinery and equipment .....	.00086	.00071	.00152	.00113	.00116	.00071	.00121	.00227	.00096
49	General industrial machinery equipment .....	.00711	.00585	.00514	.01112	.01702	.00981	.03095	.00950	.00389
50	Miscellaneous machinery, except electrical .....	.00840	.00483	.00749	.01641	.03010	.01628	.01237	.00787	.00493
51	Office, computing, and accounting machines .....	.00164	.02324	.05704	.00621	.00135	.00356	.00102	.00911	.01115
52	Service industry machines .....	.00352	.00075	.00086	.00843	.02833	.00084	.00673	.00137	.00057
53	Electric industrial equipment and apparatus .....	.04498	.01268	.01953	.02905	.01063	.00631	.01768	.02310	.00960
54	Household appliances .....	.00203	.00072	.00051	.00211	.00147	.00042	.00879	.00084	.00032
55	Electric lighting and wiring equipment .....	.94270	.00486	.00441	.01108	.00880	.00122	.00689	.00362	.00253
56	Radio, TV, and communication equipment .....	.00795	.99450	.03510	.00657	.00715	.02269	.00551	.01972	.00881
57	Electronic components and accessories .....	.02836	.20490	1.12588	.10749	.00971	.04296	.00522	.05211	.09668
58	Miscellaneous electrical machinery and supplies .....	.02616	.00221	.00184	1.00289	.02016	.00318	.00460	.00683	.00281
59	Motor vehicles and equipment .....	.00613	.00488	.00427	.03039	1.27701	.00409	.03853	.00849	.00316
60	Aircraft and parts .....	.00111	.01354	.00156	.00200	.00907	1.18676	.00970	.00650	.00107
61	Other transportation equipment .....	.00112	.00060	.00084	.00117	.00168	.00092	1.01474	.00086	.00059
62	Scientific and controlling instruments .....	.00586	.00853	.00680	.00857	.00608	.02640	.00550	.94767	.00902
63	Optical, ophthalmic, and photographic equipment .....	.00605	.00578	.01113	.01045	.00180	.00650	.00152	.01222	.97849
64	Miscellaneous manufacturing .....	.00465	.00488	.00047	.00294	.00220	.00199	.00446	.00302	.00368
65	Transportation and warehousing .....	.05429	.03218	.05262	.06348	.06165	.03962	.04486	.03502	.03742
66	Communications, except radio and TV .....	.01840	.01993	.02475	.02102	.01421	.01487	.01456	.01759	.01476
67	Radio and television broadcasting .....	.00379	.00388	.00407	.00552	.00392	.00420	.00337	.00384	.00403
68	Private electric, gas, water, and sanitary services .....	.07245	.04564	.07669	.07800	.06814	.04392	.05626	.05429	.04563
69	Wholesale and retail trade .....	.11476	.09846	.13061	.12714	.14630	.05724	.10151	.08354	.07164
70	Finance and insurance .....	.03375	.02329	.03748	.04042	.02341	.03648	.02237	.02233	.03033
71	Real estate and rental .....	.02723	.02394	.03152	.03286	.02430	.01946	.03674	.02550	.02130
72	Hotels, personal and repair services (except auto) .....	.01130	.01102	.01061	.01505	.00652	.01503	.00543	.00573	.00598
73	Business and professional services except medical .....	.06833	.06987	.07335	.09947	.07055	.07567	.06055	.06921	.07257
74	Eating and drinking places .....	.01274	.01090	.01479	.01915	.01113	.00924	.01041	.01327	.01040
75	Automobile repair and services .....	.00672	.00436	.00619	.00963	.01830	.00412	.00752	.01158	.00592
76	Amusements .....	.00223	.00238	.00288	.00429	.00236	.00258	.00250	.00287	.00273
77	Health, educational, and social services and nonprofit organizations .....	.00238	.00324	.00458	.00277	.00313	.00324	.00203	.00479	.00665
78	Federal Government enterprises .....	.00750	.00780	.00766	.00752	.00830	.00705	.00635	.00716	.00543
79	State and local government enterprises .....	.01056	.00684	.01119	.01156	.01059	.00667	.00850	.00800	.00682
	Total industry output multiplier	2.20910	2.04945	2.45218	2.49210	2.62192	2.05589	2.22865	2.04713	1.91799

* Less than 0.000005.

Total Requirements, 1982—Continued
of delivery to final demand, at producers' prices]

Miscellaneous manufacturing	Transportation and warehousing	Communications, except radio and TV	Radio and TV broadcasting	Private electric, gas, water, and sanitary services	Wholesale and retail trade	Finance and insurance	Real estate and rental	Hotels, personal and repair services (exc. auto)	Business and professional services except medical	Eating and drinking places	Automobile repair and services	Amusements	Health, educational, and social services and nonprofit organizations	Federal Government enterprises	State and local government enterprises	Industry number
64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	
.00406	.00253	.00087	.00435	.00084	.00327	.00347	.00137	.00206	.00190	.09708	.00154	.00903	.00656	.00342	.00167	1
.00643	.00749	.00079	.00400	.00110	.00254	.00273	.00180	.00241	.00168	.06685	.00153	.00877	.00498	.00289	.00218	2
.00367	.00056	.00032	.00059	.00056	.00074	.00057	.00034	.00056	.00067	.01018	.00051	.00104	.00082	.00048	.00138	3
.00140	.00108	.00046	.00039	.00109	.00105	.00084	.00070	.00256	.00084	.00783	.00064	.01011	.00051	.00051	.00405	4
.00114	.00030	.00016	.00012	.00031	.00010	.00008	.00009	.00021	.00014	.00025	.00120	.00013	.00018	.00008	.00064	5
.00679	.00058	.00045	.00046	.00058	.00023	.00022	.00020	.00065	.00042	.00062	.00171	.00032	.00049	.00016	.00132	6
.00800	.00397	.00181	.00225	.09773	.00368	.00171	.00093	.00622	.00220	.00583	.00569	.00405	.00346	.00156	.02885	7
.05049	.13357	.01170	.01486	.29275	.03100	.01659	.00866	.03593	.01900	.03572	.03783	.02235	.02682	.01733	.11751	8
.00291	.00110	.00069	.00047	.00149	.00043	.00037	.00082	.00091	.00044	.00082	.00127	.00052	.00088	.00023	.00482	9
.00231	.00047	.00021	.00034	.00060	.00023	.00021	.00019	.00062	.00046	.00079	.00073	.00040	.00089	.00013	.00249	10
.02170	.04965	.04561	.02499	.08613	.01678	.01715	.05928	.02847	.01193	.01988	.01805	.02523	.04314	.00971	.31769	11
.00031	.00021	.00045	.00013	.00012	.00008	.00010	.00004	.00013	.00033	.00017	.00024	.00010	.00012	.00004	.00025	12
.01269	.00807	.00291	.01202	.00262	.01136	.01204	.00307	.00636	.00625	.34403	.00524	.02186	.02147	.00004	.00474	14
.00003	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.00001	(*)	(*)	(*)	(*)	(*)	(*)	15
.02869	.00165	.00071	.00162	.00090	.00097	.00106	.00039	.00111	.00142	.00169	.00338	.00349	.00273	.00163	.00189	16
.00818	.00104	.00038	.00050	.00061	.00050	.00041	.00034	.00196	.00065	.00103	.00138	.00080	.00099	.00043	.00158	17
.00165	.00059	.00046	.00063	.00022	.00021	.00015	.00006	.00475	.00025	.00017	.00074	.00161	.00110	.00015	.00109	18
.00574	.00099	.00015	.00062	.00024	.00042	.00068	.00014	.00669	.00033	.00053	.00293	.00143	.00151	.00150	.00050	19
.04580	.00380	.00253	.00361	.00518	.00497	.00249	.00260	.00437	.00523	.00480	.00357	.00725	.00481	.00105	.01327	20
.00019	.00003	.00001	.00003	.00002	.00016	.00002	.00001	.00005	.00002	.00040	.00009	.00005	.00005	.00002	.00004	21
.00207	.00010	.00026	.00014	.00005	.00004	.00004	.00003	.00019	.00006	.00009	.00014	.00009	.00007	.00002	.00014	22
.00130	.00014	.00007	.00006	.00012	.00006	.00004	.00007	.00011	.00007	.00007	.00032	.00009	.00011	.00004	.00036	23
.04031	.00637	.00467	.00744	.00452	.01743	.01317	.00313	.01356	.03325	.02227	.00813	.01034	.01960	.00376	.00914	24
.02343	.00187	.00103	.00133	.00120	.00425	.00130	.00053	.00291	.00188	.01517	.00336	.00162	.00275	.00102	.00221	25
.03045	.01290	.01111	.01597	.00763	.01829	.03808	.00611	.01997	.13713	.01856	.01065	.02241	.03596	.00977	.01283	26
.06210	.01158	.00532	.00855	.01395	.00575	.03244	.00457	.01595	.01163	.01959	.01658	.01017	.02329	.00318	.04609	27
.03867	.00356	.00212	.00250	.00253	.00197	.00169	.00165	.00686	.00341	.00517	.00665	.00294	.00533	.00118	.00587	28
.00520	.00124	.00065	.00100	.00103	.00105	.00090	.00042	.01296	.00244	.00487	.00145	.00143	.01662	.00096	.00234	29
.00778	.00167	.00175	.00068	.00170	.00065	.00055	.00102	.00110	.00097	.00100	.01125	.00082	.00118	.00043	.00555	30
.05123	.17888	.01140	.01420	.07568	.03270	.01850	.00978	.03151	.02094	.03313	.04142	.01879	.02757	.02012	.07012	31
.04528	.01104	.00652	.00691	.00536	.00536	.00418	.00272	.01773	.00940	.01734	.01537	.00763	.01740	.00270	.01187	32
.00223	.00004	.00002	.00007	.00002	.00004	.00005	.00001	.00075	.00004	.00007	.00008	.00015	.00007	.00008	.00004	33
.00248	.00011	.00007	.00031	.00006	.00018	.00019	.00004	.00339	.00015	.00030	.00017	.00063	.00018	.00022	.00011	34
.00347	.00124	.00067	.00104	.00102	.00091	.00075	.00038	.00465	.00078	.00873	.00874	.00095	.00260	.00057	.00207	35
.01010	.00359	.00238	.00175	.00506	.00158	.00125	.00274	.00533	.00160	.00224	.00917	.00192	.00306	.00080	.01940	36
.03813	.01051	.00545	.00359	.01024	.00332	.00244	.00303	.00653	.00434	.00766	.04462	.00384	.00470	.00287	.01934	37
.0583	.00715	.00643	.00644	.00668	.00264	.00265	.00225	.00833	.00507	.00739	.02069	.00369	.00456	.00194	.01367	38
.00184	.00072	.00032	.00060	.00050	.00119	.00059	.00024	.00069	.00072	.01193	.00138	.00097	.00131	.00051	.00108	39
.00534	.00379	.00272	.00166	.00622	.00127	.00113	.00325	.00215	.00124	.00173	.00300	.00074	.00260	.00073	.01701	40
.01063	.00262	.00307	.00153	.00266	.00138	.00090	.00055	.00256	.00174	.00215	.05282	.00161	.00196	.00169	.00339	41
.02052	.00951	.00443	.00333	.00696	.00340	.00195	.00206	.00531	.00325	.00477	.03988	.00314	.00398	.00193	.01277	42
.00184	.00380	.00338	.00051	.00841	.00065	.00054	.00026	.00093	.00119	.00102	.00552	.00079	.00059	.00058	.00356	43
.00051	.00036	.00016	.00029	.00070	.00030	.00030	.00046	.00032	.00193	.00113	.00053	.00050	.00027	.00011	.00622	44
.00146	.00137	.00047	.00038	.00552	.00046	.00031	.00042	.00072	.00055	.00069	.00137	.00053	.00059	.00026	.00365	45
.00049	.00031	.00022	.00017	.00071	.00036	.00016	.00022	.00024	.00075	.00023	.00041	.00022	.00023	.00014	.00128	46
.00621	.00172	.00055	.00058	.00102	.00053	.00037	.00022	.00094	.00112	.00103	.00418	.00055	.00056	.00039	.00187	47
.00145	.00033	.00018	.00026	.00032	.00034	.00011	.00047	.00047	.00115	.00145	.00053	.00034	.00048	.00013	.00062	48
.00525	.00600	.00225	.00091	.00445	.00093	.00100	.00057	.00155	.00341	.00176	.00505	.00115	.00113	.00081	.00441	49
.00951	.00518	.00093	.00110	.00371	.00139	.00087	.00056	.00220	.00173	.00583	.02136	.00135	.00110	.00108	.02009	50
.00790	.00092	.00151	.00245	.00051	.00112	.00277	.00032	.00848	.00595	.00084	.00092	.00113	.00120	.00043	.00088	51
.00196	.00122	.00065	.00063	.00126	.00076	.00040	.00074	.00433	.00075	.00073	.01193	.00101	.00075	.00069	.00421	52
.00521	.00698	.00336	.00137	.00393	.00086	.00094	.00072	.00261	.00208	.00129	.00583	.00104	.00126	.00082	.00459	53
.00170	.00045	.00030	.00031	.00058	.00024	.00022	.00040	.00819	.00038	.00028	.00099	.00033	.00036	.00012	.00304	54
.00189	.00143	.00127	.00095	.00233	.00059	.00060	.00096	.00219	.00086	.00129	.00521	.00147	.00179	.00095	.00520	55
.00597	.00146	.03187	.00448	.00094	.00099	.00166	.00059	.00242	.00159	.00077	.00277	.00098	.00159	.00039	.00260	56
.02844	.00250	.01660	.03388	.00149	.00184	.00343	.00069	.01967	.01042	.00173	.00395	.00241	.00291	.00069	.00251	57
.00155	.00106	.00046	.00037	.00081	.00049	.00032	.00039	.00051	.00071	.00051	.00920	.00043	.00140	.00058	.00258	58
.00450	.00798	.00138	.00149	.00470	.00412	.00191	.00072	.00253	.00261	.00271	.18747	.00239	.00213	.00997	.00419	59
.00086	.00734	.00090	.00031	.00133	.00027	.00035	.00011	.00036	.00042	.00049	.00189	.00030	.00032	.00058	.00091	60
.00151	.00981	.00033	.00151	.00079	.00039	.00068	.00017	.00047	.00141	.00121	.00078	.00386	.00039	.00082	.00166	61
.00389	.00088	.00071	.00077	.00225	.00054	.00051	.00032	.00134	.00122	.00064	.00221	.00079	.00749	.00035	.00215	62
.00302	.00124	.00136	.00108	.00094	.00140	.00573	.00057	.00553	.00610	.00125	.00133	.00476	.00386	.00062	.00161	63
1.01134	.00177	.00160														

Appendix A.—Industry Classification of the 1982 Input-Output Accounts¹

[The titles in boldface represent the groupings of industries used for the summary version of the 1982 tables. An asterisk preceding an SIC code indicates that the SIC industry is included in more than one I-O industry.]

Industry number and title	Related 1972 SIC codes	Industry number and title	Related 1972 SIC codes
AGRICULTURE, FORESTRY, AND FISHERIES			
1 Livestock and livestock products:		11.0308 Local transit facilities	*16-17
1.0100 Dairy farm products	0241, *0191, *0259, 0291	11.0400 Highways and streets	*16-17
1.0200 Poultry and eggs	025 (excl. 0254 and *0259), *0191, *0219, *0291	11.0501 Farm housing units and additions and alterations	*15, *17
1.0301 Meat animals	021 (excl. *0219), *0191, *0259, *0291	11.0502 Farm service facilities	*15, *17
1.0302 Miscellaneous livestock	027 (excl. *0279), *0191, *0219, *0259, *0291	11.0601 Petroleum and natural gas well drilling	*138
2 Other agricultural products:		11.0602 Petroleum, natural gas, and solid mineral exploration	*108, *1112, *1213, *138, *148
2.0100 Cotton	0131, *0191, *0219, *0259, *0291	11.0603 Access structures for solid mineral development	*108, *1112, *1213, *148
2.0201 Food grains	*011, *0191, *0219, *0259, *0291	11.0701 Military facilities	*15-17
2.0202 Feed grains	*011, *0139, *0191, *0219, *0259, *0291	11.0702 Dams and reservoirs	*15-17
2.0203 Grass seeds	*0139, *0191, *0219, *0259, *0291	11.0703 Other conservation and development facilities	*15-17
2.0300 Tobacco	0132, *0191, *0219, *0259, *0291	11.0704 Other nonbuilding facilities	*15-17
2.0401 Fruits	*017, *0191, *0219, *0259, *0291	12 Maintenance and repair construction:	
2.0402 Tree nuts	0173, *0179, *0191, *0219, *0259, *0291	12.0100 Nonfarm residential structures	*15, *17
2.0501 Vegetables	0134, 0161, *0119, *0139, *0191, *0219, *0259, *0291	12.0201 Other nonfarm buildings	*15-17
2.0502 Sugar crops	0133, *0191, *0219, *0259, *0291	12.0202 Farm residential buildings	*15, *17
2.0503 Miscellaneous crops	*0119, *0139, *0191, *0219, *0259, *0291	12.0203 Farm service facilities	*15, *17
2.0600 Oil bearing crops	0116, *0119, *013, *0173, *0219, *0259, *0291	12.0204 Telephone and telegraph facilities	*16-17
2.0701 Forest products	*018, *0191, *0219, *0259, *0291	12.0205 Railroads	*16-17
2.0702 Greenhouse and nursery products	*018, *0191, *0219, *0259, *0291	12.0206 Electric utility facilities	*16-17
3 Forestry and fishery products:		12.0207 Gas utility facilities	*16-17
3.0001 Forestry products	081-4, 097	12.0208 Petroleum pipelines	*16-17
3.0002 Commercial fishing	091	12.0209 Water supply facilities	*16-17
4 Agricultural, forestry, and fishery services:		12.0210 Sewer facilities	*16-17
4.0001 Agricultural, forestry, and fishery services	0254, 07 (excl. 074, and 078), 085, 092, *0279, 078	12.0211 Local transit facilities	*16-17
4.0002 Landscape and horticultural services	078	12.0212 Military facilities	*15-17
MINING		12.0213 Conservation and development facilities	*15-17
5 Iron and ferrous alloy ores mining:		12.0214 Highways and streets	*16-17
5.0000 Iron and ferrous alloy ores	101, 106	12.0215 Petroleum and natural gas wells	*138
6 Nonferrous metal ores mining:		12.0216 Other nonbuilding facilities	*15-17
6.0100 Copper ore	102	MANUFACTURING	
6.0200 Nonferrous metal ores, except copper	103-5, *108, 109	13 Ordnance and accessories:	
7 Coal mining:		13.0100 Guided missiles and space vehicles	3761
7.0000 Coal	1111, *1112, 1211, *1213	13.0200 Ammunition, except for small arms, n.e.c.	3483
8 Crude petroleum and natural gas:		13.0300 Tanks and tank components	3795
8.0000 Crude petroleum and natural gas	131, 132	13.0500 Small arms	3484
9 Stone and clay mining and quarrying:		13.0600 Small arms ammunition	3482
9.0001 Dimension, crushed and broken stone	141-2	13.0700 Other ordnance and accessories	3489
9.0002 Sand and gravel	144	14 Food and kindred products:	
9.0003 Clay, ceramic, and refractory minerals	145	14.0101 Meat packing plants	2011
9.0004 Nonmetallic mineral services and miscellaneous minerals	*148, 149	14.0102 Sausages and other prepared meats	2013
10 Chemical and fertilizer mineral mining:		14.0103 Poultry dressing plants	2016
10.0000 Chemical and fertilizer mineral	147	14.0104 Poultry and egg processing	2017
CONSTRUCTION		14.0200 Creamery butter	2021
11 New construction:		14.0300 Cheese, natural and processed	2022
11.0101 Residential 1-unit structures, nonfarm	*15, *17, 6552	14.0400 Condensed and evaporated milk	2023
11.0102 Residential 2-4 unit structures, nonfarm	*15-17	14.0500 Ice cream and frozen desserts	2024
11.0103 Residential garden apartments	*15-17, 6552	14.0600 Fluid milk	2026
11.0104 Residential high-rise apartments	*15-17	14.0700 Canned and cured seafoods	2091
11.0105 Residential additions and alterations, nonfarm	*15-17	14.0800 Canned specialties	2032
11.0106 Hotels and motels	*15-17	14.0900 Canned fruits and vegetables	2033
11.0107 Dormitories and other group housing	*15-17	14.1000 Dehydrated food products	2034
11.0201 Industrial buildings	*15-17	14.1100 Pickles, sauces, and salad dressings	2035
11.0202 Office buildings	*15-17	14.1200 Fresh or frozen packaged fish	2092
11.0203 Warehouses	*15-17	14.1301 Frozen fruits, fruit juices and vegetables	2037
11.0204 Garages and service stations	*15-17	14.1302 Frozen specialties	2038
11.0205 Stores and restaurants	*15-17	14.1401 Flour and other grain mill products	2041
11.0206 Religious buildings	*15-17	14.1402 Cereal breakfast foods	2043
11.0207 Educational buildings	*15-17	14.1403 Blended and prepared flour	2045
11.0231 Hospitals	*15-17	14.1501 Dog, cat, and other pet food	2047
11.0232 Residential institutions and other health related facilities	*15-17	14.1502 Prepared feeds, n.e.c.	2048
11.0241 Amusement and recreation buildings	*15-17	14.1600 Rice milling	2044
11.0250 Other nonfarm buildings	*15-17	14.1700 Wet corn milling	2046
11.0301 Telephone and telegraph facilities	*16-17	14.1801 Bread, cake, and related products	2051, 5462
11.0302 Railroads	*16-17	14.1802 Cookies and crackers	2052
11.0303 Electric utility facilities	*16-17	14.1900 Sugar	2061-3
11.0304 Gas utility facilities	*16-17	14.2001 Confectionery products	2065
11.0305 Petroleum pipelines	*16-17	14.2002 Chocolate and cocoa products	2066
11.0306 Water supply facilities	*16-17	14.2003 Chewing gum	2067
11.0307 Sewer system facilities	*16-17	14.2101 Malt beverages	2082
		14.2102 Malt	2083
		14.2103 Wines, brandy, and brandy spirits	2084
		14.2104 Distilled liquor, except brandy	2085
		14.2200 Bottled and canned soft drinks	2086
		14.2300 Flavoring extracts and syrups, n.e.c.	2087
		14.2400 Cottonseed oil mills	2074
		14.2500 Soybean oil mills	2075
		14.2600 Vegetable oil mills, n.e.c.	2076
		14.2700 Animal and marine fats and oils	2077
		14.2800 Roasted coffee	2095
		14.2900 Shortening and cooking oils	2079
		14.3000 Manufactured ice	2097
		14.3100 Macaroni and spaghetti	2098
		14.3200 Food preparations, n.e.c.	2099
		15 Tobacco manufactures:	
		15.0101 Cigarettes	211
		15.0102 Cigars	212
		15.0103 Chewing and smoking tobacco	213
		15.0200 Tobacco stemming and redrying	214
		16 Broad and narrow fabrics, yarn and thread mills:	
		16.0100 Broadwoven fabric mills and fabric finishing plants	221-3, 2261-2
		16.0200 Narrow fabric mills	224
		16.0300 Yarn mills and finishing of textiles, n.e.c.	2269, 2281-3
		16.0400 Thread mills	2284
		17 Miscellaneous textile goods and floor coverings:	
		17.0100 Floor coverings	227

Appendix A.—Industry Classification of the 1982 Input Accounts—Continued

Industry number and title	Related 1972 SIC codes	Industry number and title	Related 1972 SIC codes
17.0200 Felt goods, n.e.c.	2291	27.0201 Nitrogenous and phosphatic fertilizers	2873-4
17.0300 Lace goods	2292	27.0202 Fertilizers, mixing only	2875
17.0400 Padding and upholstery filling	2293	27.0300 Agricultural chemicals, n.e.c.	2879
17.0500 Processed textile waste	2294	27.0401 Gum and wood chemicals	2861
17.0600 Coated fabrics, not rubberized	2295	27.0402 Adhesives and sealants	2891
17.0700 Tire cord and fabric	2296	27.0403 Explosives	2892
17.0900 Cordage and twine	2298	27.0404 Printing ink	2893
17.1001 Nonwoven fabrics	2297	27.0405 Carbon black	2895
17.1002 Textile goods, n.e.c.	2299	27.0406 Chemical preparations, n.e.c.	2899
18 Apparel:		28 Plastics and synthetic materials:	
18.0101 Women's hosiery, except socks	2251	28.0100 Plastics materials and resins	2821
18.0102 Hosiery, n.e.c.	2252	28.0200 Synthetic rubber	2822
18.0201 Knit outerwear mills	2253	28.0300 Cellulosic manmade fibers	2823
18.0202 Knit underwear mills	2254	28.0400 Organic fibers, noncellulosic	2824
18.0203 Knitting mills, n.e.c.	2259		
18.0300 Knit fabric mills	2257-8	29 Drugs, cleaning and toilet preparations:	
18.0400 Apparel made from purchased materials	231-8, *3999	29.0100 Drugs	283
19 Miscellaneous fabricated textile products:		29.0201 Soap and other detergents	2841
19.0100 Curtains and draperies	2391	29.0202 Polishes and sanitation goods	2842
19.0200 Housefurnishings, n.e.c.	2392	29.0203 Surface active agents	2843
19.0301 Textile bags	2393	29.0300 Toilet preparations	2844
19.0302 Canvas and related products	2394		
19.0303 Pleating and stitching	2395	30 Paints and allied products:	
19.0304 Automotive and apparel trimmings	2396	30.0000 Paints and allied products	285
19.0305 Schiffli machine embroideries	2397		
19.0306 Fabricated textile products, n.e.c.	2399	31 Petroleum refining and related products:	
20 Lumber and wood products, except containers:		31.0101 Petroleum refining	291
20.0100 Logging camps and logging contractors	2411	31.0102 Lubricating oils and greases	2992
20.0200 Sawmills and planing mills, general	2421	31.0103 Products of petroleum and coal, n.e.c.	2999
20.0300 Hardwood dimension and flooring mills	2426	31.0200 Paving mixtures and blocks	2951
20.0400 Special product sawmills, n.e.c.	2429	31.0300 Asphalt felts and coatings	2952
20.0501 Millwork	2431		
20.0502 Wood kitchen cabinets	2434	32 Rubber and miscellaneous plastics products:	
20.0600 Veneer and plywood	2435-6	32.0100 Tires and inner tubes	301
20.0701 Structural wood members, n.e.c.	2439	32.0200 Rubber and plastics footwear	302
20.0702 Prefabricated wood buildings	2452	32.0301 Reclaimed rubber	303
20.0800 Wood preserving	2491	32.0302 Fabricated rubber products, n.e.c.	306
20.0901 Wood pallets and skids	2448	32.0400 Miscellaneous plastics products	307
20.0902 Particleboard	2492	32.0500 Rubber and plastics hose and belting	304
20.0903 Wood products, n.e.c.	2499		
21 Wood containers:		33 Leather tanning and finishing:	
21.0000 Wood containers	2441, 2449	33.0001 Leather tanning and finishing	311
22 Household furniture:		34 Footwear and other leather products:	
22.0101 Wood household furniture	2511	34.0100 Boot and shoe cutstock and findings	313
22.0102 Household furniture, n.e.c.	2519	34.0201 Shoes, except rubber	3143-9
22.0103 Wood TV and radio cabinets	2517	34.0202 House slippers	3142
22.0200 Upholstered household furniture	2512	34.0301 Leather gloves and mittens	315
22.0300 Metal household furniture	2514	34.0302 Luggage	316
22.0400 Mattresses and bedsprings	2515	34.0303 Women's handbags and purses	3171
		34.0304 Personal leather goods	3172
		34.0305 Leather goods, n.e.c.	319
23 Other furniture and fixtures:		35 Glass and glass products:	
23.0100 Wood office furniture	2521	35.0100 Glass and glass products, except containers	321, 3229, 323
23.0200 Metal office furniture	2522	35.0200 Glass containers	3221
23.0300 Public building furniture	2531		
23.0400 Wood partitions and fixtures	2541	36 Stone and clay products:	
23.0500 Metal partitions and fixtures	2542	36.0100 Cement, hydraulic	324
23.0600 Drapery hardware and blinds and shades	2591	36.0200 Brick and structural clay tile	3251
23.0700 Furniture and fixtures, n.e.c.	2599	36.0300 Ceramic wall and floor tile	3253
		36.0400 Clay refractories	3255
24 Paper and allied products, except containers:		36.0500 Structural clay products, n.e.c.	3259
24.0100 Pulp mills	261	36.0600 Vitreous plumbing fixtures	3261
24.0200 Paper mills, except building paper	262	36.0701 Vitreous china food utensils	3262
24.0300 Paperboard mills	263	36.0702 Fine earthenware food utensils	3263
24.0400 Envelopes	2642	36.0800 Porcelain electrical supplies	3264
24.0500 Sanitary paper products	2647	36.0900 Pottery products, n.e.c.	3269
24.0600 Building paper and board mills	266	36.1000 Concrete block and brick	3271
24.0701 Paper coating and glazing	2641	36.1100 Concrete products, n.e.c.	3272
24.0702 Bags, except textile	2643	36.1200 Ready-mixed concrete	3273
24.0703 Die-cut paper and board	2645	36.1300 Lime	3274
24.0704 Pressed and molded pulp goods	2646	36.1400 Gypsum products	3275
24.0705 Stationery products	2648	36.1500 Cutstone and stone products	328
24.0706 Converted paper products, n.e.c.	2649	36.1600 Abrasive products	3291
		36.1700 Asbestos products	3292
25 Paperboard containers and boxes:		36.1800 Gaskets, packing and sealing devices	3293
25.0000 Paperboard containers and boxes	265	36.1900 Minerals, ground or treated	3295
		36.2000 Mineral wool	3296
		36.2100 Nonclay refractories	3297
		36.2200 Nonmetallic mineral products, n.e.c.	3299
26 Printing and publishing:		37 Primary iron and steel manufacturing:	
26.0100 Newspapers	271	37.0101 Blast furnaces and steel mills	3312
26.0200 Periodicals	272	37.0102 Electrometallurgical products	3313
26.0301 Book publishing	2731	37.0103 Steel wire and related products	3315
26.0302 Book printing	2732	37.0104 Cold finishing of steel shapes	3316
26.0400 Miscellaneous publishing	274	37.0105 Steel pipe and tubes	3317
26.0501 Commercial printing	2751-2, 2754	37.0200 Iron and steel foundries	332
26.0502 Lithographic platemaking and services	2795	37.0300 Iron and steel forgings	3462
26.0601 Manifold business forms	276	37.0401 Metal heat treating	3398
26.0602 Blankbooks and looseleaf binders	2782	37.0402 Primary metal products, n.e.c.	3399
26.0700 Greeting card publishing	277		
26.0801 Engraving and plate printing	2753	38 Primary nonferrous metals manufacturing:	
26.0802 Bookbinding and related work	2789	38.0100 Primary copper	3331
26.0803 Typesetting	2791	38.0200 Primary lead	3332
26.0804 Photoengraving, electrotyping and stereotyping	2793, 2794	38.0300 Primary zinc	3333
		38.0400 Primary aluminum	*2819, 3334
27 Chemicals and selected chemical products:		38.0500 Primary nonferrous metals, n.e.c.	3339
27.0101 Alkalies and chlorine	2812	38.0600 Secondary nonferrous metals	334
27.0102 Industrial gases	2813	38.0700 Copper rolling and drawing	3351
27.0103 Inorganic pigments	2816	38.0800 Aluminum rolling and drawing	3353-5
27.0104 Industrial inorganic chemicals, n.e.c.	*2819		
27.0105 Cyclic crudes, intermediates, and industrial organic chemicals	286		

Appendix A.—Industry Classification of the 1982 Input-Output Accounts—Continued

Industry number and title	Related 1972 SIC codes	Industry number and title	Related 1972 SIC codes
38.0900 Nonferrous rolling and drawing, n.e.c.	3356	53.0200 Transformers	3612
38.1000 Nonferrous wire drawing and insulating	3357	53.0300 Switchgear and switchboard apparatus	3613
38.1100 Aluminum castings	3361	53.0400 Motors and generators	3621
38.1200 Brass, bronze, and copper castings	3362	53.0500 Industrial controls	3622
38.1300 Nonferrous castings, n.e.c.	3369	53.0600 Welding apparatus, electric	3623
38.1400 Nonferrous forgings	3463	53.0700 Carbon and graphite products	3624
		53.0800 Electrical industrial apparatus, n.e.c.	3629
39 Metal containers:		54 Household appliances:	
39.0100 Metal cans	3411	54.0100 Household cooking equipment	3631
39.0200 Metal barrels, drums, and pails	3412	54.0200 Household refrigerators and freezers	3632
40 Heating, plumbing, and fabricated structural metal products:		54.0300 Household laundry equipment	3633
40.0100 Metal sanitary ware	3431	54.0400 Electric housewares and fans	3634
40.0200 Plumbing fixture fittings and trim	3432	54.0500 Household vacuum cleaners	3635
40.0300 Heating equipment, except electric	3433	54.0600 Sewing machines	3636
40.0400 Fabricated structural metal	3441	54.0700 Household appliances, n.e.c.	3639
40.0500 Metal doors, sash, and trim	3442		
40.0600 Fabricated plate work (boiler shops)	3443	55 Electric lighting and wiring equipment:	
40.0700 Sheet metal work	3444	55.0100 Electric lamps	3641
40.0800 Architectural metal work	3446	55.0200 Lighting fixtures and equipment	3645-8
40.0901 Prefabricated metal buildings	3448	55.0300 Wiring devices	3643-4
40.0902 Miscellaneous metal work	3449		
41 Screw machine products and stampings:		56 Radio, TV, and communication equipment:	
41.0100 Screw machine products and bolts, nuts, rivets, and washers	345	56.0100 Radio and TV receiving sets	3651
41.0201 Automotive stampings	3465	56.0200 Phonograph records and tapes	3652
41.0202 Crowns and closures	3466	56.0300 Telephone and telegraph apparatus	3661
41.0203 Metal stampings, n.e.c.	3469	56.0400 Radio and TV communication equipment	3662
42 Other fabricated metal products:		57 Electronic components and accessories:	
42.0100 Cutlery	3421	57.0100 Electron tubes	3671-3
42.0201 Hand and edge tools, n.e.c.	3423	57.0200 Semiconductors and related devices	3674
42.0202 Hand saws and saw blades	3425	57.0300 Other electronic components	3675-9
42.0300 Hardware, n.e.c.	3429		
42.0401 Plating and polishing	3471	58 Miscellaneous electrical machinery and supplies:	
42.0402 Metal coating and allied services	3479	58.0100 Storage batteries	3691
42.0500 Miscellaneous fabricated wire products	3495-6	58.0200 Primary batteries, dry and wet	3692
42.0700 Steel springs, except wire	3493	58.0300 X-ray apparatus and tubes	3693
42.0800 Pipe, valves, and pipe fittings	3494, 3498	58.0400 Engine electrical equipment	3694
42.1000 Metal foil and leaf	3497	58.0500 Electrical equipment and supplies, n.e.c.	3699
42.1100 Fabricated metal products, n.e.c.	3499		
43 Engines and turbines:		59 Motor vehicles and equipment:	
43.0100 Turbines and turbine generator sets	3511	59.0100 Truck and bus bodies	3713
43.0200 Internal combustion engines, n.e.c.	3519	59.0200 Truck trailers	3715
		59.0301 Motor vehicles and car bodies	3711
		59.0302 Motor vehicle parts and accessories	3714
44 Farm and garden machinery:		60 Aircraft and parts:	
44.0001 Farm machinery and equipment	3523	60.0100 Aircraft	3721
44.0002 Lawn and garden equipment	3524	60.0200 Aircraft and missile engines and engine parts	3724, 3764
		60.0400 Aircraft and missile equipment, n.e.c.	3728, 3769
45 Construction and mining machinery:		61 Other transportation equipment:	
45.0100 Construction machinery and equipment	3531	61.0100 Ship building and repairing	3731
45.0200 Mining machinery, except oil field	3532	61.0200 Boat building and repairing	3732
45.0300 Oil field machinery	3533	61.0300 Railroad equipment	374
		61.0500 Motorcycles, bicycles, and parts	375
46 Materials handling machinery and equipment:		61.0601 Travel trailers and campers	3792
46.0100 Elevators and moving stairways	3534	61.0602 Mobile homes	2451
46.0200 Conveyors and conveying equipment	3535	61.0603 Motor homes (made on purchased chassis)	3716
46.0300 Hoists, cranes, and monorails	3536	61.0700 Transportation equipment, n.e.c.	3799
46.0400 Industrial trucks and tractors	3537		
47 Metalworking machinery and equipment:		62 Scientific and controlling instruments:	
47.0100 Machine tools, metal cutting types	3541	62.0100 Engineering and scientific instruments	3811
47.0200 Machine tools, metal forming types	3542	62.0200 Mechanical measuring devices	3823-4, 3829
47.0300 Special dies and tools and machine tool accessories	3544-5	62.0300 Environmental controls	3822
47.0401 Power driven hand tools	3546	62.0400 Surgical and medical instruments	3841
47.0402 Rolling mill machinery	3547	62.0500 Surgical appliances and supplies	3842
47.0403 Metalworking machinery, n.e.c.	3549	62.0600 Dental equipment and supplies	3843
		62.0700 Watches, clocks, and parts	387
48 Special industry machinery and equipment:		63 Optical, ophthalmic, and photographic equipment:	
48.0100 Food products machinery	3551	63.0100 Optical instruments and lenses	383
48.0200 Textile machinery	3552	63.0200 Ophthalmic goods	385
48.0300 Woodworking machinery	3553	63.0300 Photographic equipment and supplies	386
48.0400 Paper industries machinery	3554		
48.0500 Printing trades machinery	3555	64 Miscellaneous manufacturing:	
48.0600 Special industry machinery, n.e.c.	3559	64.0101 Jewelry, precious metal	3911
49 General industrial machinery and equipment:		64.0102 Jewelers' materials and lapidary work	3915
49.0100 Pumps and compressors	3561, 3563	64.0104 Silverware and plated ware	3914
49.0200 Ball and roller bearings	3562	64.0105 Costume jewelry	3961
49.0300 Blowers and fans	3564	64.0200 Musical instruments	393
49.0400 Industrial patterns	3565	64.0301 Games, toys, and children's vehicles	3944
49.0500 Power transmission equipment	3566, 3568	64.0302 Dolls	3942
49.0600 Industrial furnaces and ovens	3567	64.0400 Sporting and athletic goods, n.e.c.	3949
49.0700 General industrial machinery, n.e.c.	3569	64.0501 Pens and mechanical pencils	3951
50 Miscellaneous machinery, except electrical:		64.0502 Lead pencils and art goods	3952
50.0001 Carburetors, pistons, rings, and valves	3592	64.0503 Marking devices	3953
50.0002 Machinery, except electrical, n.e.c.	3599	64.0504 Carbon paper and inked ribbons	3955
		64.0600 Artificial trees and flowers	3962
51 Office, computing, and accounting machines:		64.0701 Buttons	3963
51.0101 Electronic computing equipment	3573	64.0702 Needles, pins, and fasteners	3964
51.0102 Calculating and accounting machines	3574	64.0800 Brooms and brushes	3991
51.0300 Scales and balances	3576	64.0900 Hard surface floor coverings	3996
51.0400 Typewriters and office machines, n.e.c.	3572, 3579	64.1000 Burial caskets and vaults	3995
		64.1100 Signs and advertising displays	3993
52 Service industry machines:		64.1200 Manufacturing industries, n.e.c.	*3999
52.0100 Automatic merchandising machines	3581		
52.0200 Commercial laundry equipment	3582	TRANSPORTATION, COMMUNICATIONS, AND UTILITIES	
52.0300 Refrigeration and heating equipment	3585	65 Transportation and warehousing:	
52.0400 Measuring and dispensing pumps	3586	65.0100 Railroads and related services	40, 474, *4789
52.0500 Service industry machines, n.e.c.	3589	65.0200 Local and suburban transit and interurban highways passenger transportation	41
53 Electric industrial equipment and apparatus:			
53.0100 Instruments to measure electricity	3825		

Appendix A.—Industry Classification of the 1982 Input-Output Accounts—Continued

Industry number and title	Related 1972 SIC codes	Industry number and title	Related 1972 SIC codes
65.0300 Motor freight transportation and warehousing	42, *4789	73.0302 Engineering, architectural, and surveying services	8911
65.0400 Water transportation	44	73.0303 Accounting, auditing and bookkeeping, and miscellaneous services, n.e.c.	893, 899
65.0500 Air transportation	45	74 Eating and drinking places:	
65.0600 Pipelines, except natural gas	46	74.0000 Eating and drinking places	58
65.0701 Freight forwarders and other transportation services	471, 4723, *478	75 Automobile repair and services:	
65.0702 Arrangement of passenger transportation	4722	75.0001 Automotive rental and leasing, without drivers	751
66 Communications, except radio and TV:		75.0002 Automotive repair shops and services	753, 7549
66.0000 Communications, except radio and TV	48 (excl. 483)	75.0003 Automobile parking and car washes	752, 7542
67 Radio and TV broadcasting:		76 Amusements:	
67.0000 Radio and TV broadcasting	483	76.0100 Motion pictures	78
68 Electric, gas, water, and sanitary services:		76.0201 Theatrical producers (except motion pictures), bands, and entertainers.	792
68.0100 Electric services (utilities)	491, *493	76.0202 Bowling alleys, billiard and pool establishments	793
68.0200 Gas production and distribution (utilities)	492, *493	76.0203 Commercial sports, except racing	7941
68.0301 Water supply and sewerage systems	494, 4952	76.0204 Racing (including track operations)	7948
68.0302 Sanitary services, steam supply, and irrigation systems	495 (excl. 4952), 496-7, *493	76.0205 Membership sports and recreation clubs	7997
		76.0206 Other amusement and recreation services	791, 799 (excl. 7997)
WHOLESALE AND RETAIL TRADE			
69 Wholesale and retail trade:		77 Health, educational, and social services and nonprofit organizations:	
69.0100 Wholesale trade	50, 51	77.0100 Doctors and dentists	801-3, 8041
69.0200 Retail trade, except eating and drinking	52-7 (excl. 5462), 59, 7396, 8042	77.0200 Hospitals	806
		77.0301 Nursing and personal care facilities	805
FINANCE, INSURANCE, AND REAL ESTATE			
70 Finance and insurance:		77.0302 Other medical and health services, including veterinarians	074, 8049, 807-9
70.0100 Banking	60	77.0401 Elementary and secondary schools	821
70.0200 Credit agencies other than banks	61, 67 (excl. 6732)	77.0402 Colleges, universities, and professional schools	822
70.0300 Security and commodity brokers	62	77.0403 Libraries, correspondence and vocational schools, and educational services, n.e.c.	823-9
70.0400 Insurance carriers	63	77.0501 Business associations and professional membership organizations	861-2
70.0500 Insurance agents, brokers, and services	64	77.0502 Labor organizations and civic, social, and fraternal associations	863-4
		77.0503 Religious organizations	866
71 Real estate and rental:		77.0504 Other membership organizations	84, 865, 869, 8922, 6732
71.0100 Owner-occupied dwellings		77.0600 Job training and related services	8331
71.0201 Real estate	65-6, (excl. 6552)	77.0700 Child day care services	8351
71.0202 Royalties		77.0800 Residential care	8361
		77.0900 Social services, n.e.c.	8321, 8399
SERVICES			
72 Hotels; personal and repair services (except auto):		GOVERNMENT ENTERPRISES	
72.0100 Hotels and lodging places	70	78 Federal Government enterprises:	
72.0201 Laundry, cleaning, garment services, and shoe repair	721, 725	78.0100 U.S. Postal Service	(2)
72.0202 Funeral service and crematories	726	78.0200 Federal electric utilities	(2)
72.0203 Portrait, photographic studios, and other miscellaneous personal services.	722, 729	78.0300 Commodity Credit Corporation	(2)
72.0204 Electrical repair shops	762	78.0400 Other Federal Government enterprises	(2)
72.0205 Watch, clock, jewelry, and furniture repair	763-4	79 State and local government enterprises:	
72.0300 Beauty and barber shops	723-4	79.0100 Local government passenger transit	(2)
		79.0200 State and local electric utilities	(2)
73 Business and professional services, except medical:		79.0300 Other State and local government enterprises	(2)
73.0101 Miscellaneous repair shops	769	SPECIAL INDUSTRIES	
73.0102 Services to dwellings and other buildings	734	80 Noncomparable imports:	
73.0103 Personnel supply services	736	80.0000 Noncomparable imports	(2)
73.0104 Computer and data processing services	737	81 Scrap, used and secondhand goods:	
73.0105 Management and consulting services, testing and research labs	7391-2, 7397	81.0001 Scrap	(4)
73.0106 Detective and protective services	7393	81.0002 Used and secondhand goods	(4)
73.0107 Equipment rental and leasing services	7394	82 Government industry⁶:	
73.0108 Photofinishing labs, photocopy, and commercial photography	7332-3, 7395	82.0000 Government industry	(2)
73.0109 Other business services	732, 7331, 7339, 735, 7399	83 Rest of the world industry:	
73.0200 Advertising	731	83.0000 Rest of the world industry	(2)
73.0301 Legal services	811	84 Household industry:	
		84.0000 Household industry	(7)
		85 Inventory valuation adjustment:	
		85.0000 Inventory valuation adjustment	(2)

1. The I-O industry classification shown in this appendix defines the industry data shown in the 1982 I-O accounts. A comparable commodity classification is not shown. However, the commodity titles used in the I-O tables are the same as the industry titles and, for the most part, the commodity output for the I-O industry is consistent with the primary product of the related SIC. Where the same commodity is the primary product of more than one SIC, the I-O accounts group the commodity as output of the I-O industry that is the largest producer.

2. Although the SIC assigns the same codes to activities of both private firms and government agencies, SIC codes in the I-O accounts are used only for classifying private activities.

3. Noncomparable imports include imported commodities that are not commercially produced in the United States, imported used goods, and commodities that are produced abroad and used abroad by U.S. residents—for example, defense spending abroad.

4. Industry output is zero because there is no primary producing industry. Scrap is a secondary product of

many industries, and used goods are sales and purchases typically between final uses. The sales are shown as negative values in the use table.

5. Industry output is defined as the compensation of general government employees except for those engaged in construction work; their compensation is included in industries 11 and 12. It also excludes the compensation of employees of government enterprises.

6. Industry output is defined as receipts of factor income by U.S. residents from abroad, less payments of factor income by U.S. residents to foreigners. The commodity entries include adjustments to personal consumption expenditures and government purchases that eliminate items that are actually exports.

7. Industry output is defined as the compensation of domestic household workers.

8. The inventory valuation adjustment converts the inventory change based on withdrawals valued primarily at historical cost as reported by most businesses to replacement cost, the valuation used in the I-O accounts.

U.S. Affiliates of Foreign Companies: Operations in 1989

OPERATIONS of nonbank U.S. affiliates of foreign companies continued to grow rapidly in 1989, according to preliminary results of BEA's latest annual survey of foreign direct investment in the United States.¹ In 1989, as in 1988, affiliate employment—a key measure of affiliate operations—increased significantly faster than in previous years, largely reflecting acquisitions of U.S. business enterprises.

The following are the highlights for 1989.

- Employment by U.S. affiliates increased 596,000, or 16 percent, to 4,440,000 in 1989, after a 19-percent increase in 1988 (table 1). By comparison, employment increased at an average annual rate of only 7 percent from 1980 to 1987.
- The share of all-U.S.-business employment accounted for by U.S. affiliates was 4.8 percent in 1989,³ up from 4.3 percent in 1988 and 3.7 percent in 1987. The increase in share from 1987 to 1989 exceeded the entire increase in share in the previous 7 years.
- By country of ultimate beneficial owner (UBO), affiliates with UBO's in the United Kingdom had

the largest employment (981,000) at yearend 1989; employment was next largest for UBO's in Canada (755,000) and Japan (504,000).² The largest increase in employment in 1989 was by affiliates with UBO's in the United Kingdom (159,000).

- Among States, the largest increases in employment were in California (89,000) and Ohio (37,000).
- Sales by U.S. affiliates increased \$154 billion, or 17 percent, to \$1,041 billion, after a 19-percent increase. Net income of U.S. affiliates declined \$0.2 billion, or 2 percent, to \$11.8 billion, after a 54-percent increase.
- U.S. merchandise exports shipped by affiliates increased \$15 billion, or 21 percent, to \$84 billion, after a 45-percent increase. U.S. merchandise imports shipped to affiliates increased \$14 billion, or 9 percent, to \$170 billion, after an 8-percent increase.
- The estimated book value of total assets of U.S. affiliates increased \$201 billion, or 17 percent, to \$1,402 billion, after a

27-percent increase.³ A sharp deceleration in the rate of growth in nonbank finance—an industry in which total assets are both large and volatile—contributed to the slowdown; assets in this industry increased only 8 percent in 1989 after increasing 30 percent in 1988.

- The gross book value of U.S. affiliates' property, plant, and equipment increased \$64 billion, or 15 percent, to \$482 billion, after an 18-percent increase.
- Commercial property owned by affiliates increased \$16 billion, or 16 percent, to \$121 billion.⁴ Among

3. These estimates include all assets of affiliates, irrespective of the share of total assets financed by foreign direct investors. The estimates are available only on a book value, or historical-cost, basis. Another direct investment measure provided by BEA—the foreign direct investment position in the United States—measures the net financing of affiliates supplied by foreign parent companies. Estimates of the position, unlike those of assets, are valued in current-period prices, as well as in terms of historical cost. The most recent estimates of the position are presented in "The International Investment Position of the United States in 1990," SURVEY OF CURRENT BUSINESS 71 (June 1991): 23–35.

4. The book value of commercial property owned by all U.S. affiliates is a measure of U.S. affiliates' ownership of U.S. real estate. This measure consists of the book value of all buildings and associated land that the affiliates lease or rent to others and all commercial property that the affiliates own and use or operate. Commercial property includes apartment buildings, office buildings, hotels, motels, and buildings used for wholesale, retail, and services trades, such as shopping centers, recreational facilities, department stores, bank buildings, restaurants, public garages, and automobile service stations. It also includes the book value of the land associated with these buildings. Commercial property excludes the following: Property that is used for agriculture, mining, and manufacturing and other industrial purposes; property that is used to support these activities, such as research labs and warehouses; office buildings located at industrial sites (as opposed to office buildings owned by an industrial company but not located at an industrial site, which are included); educational buildings; hospital and institutional buildings; and all undeveloped land.

Affiliates in industries other than real estate hold substantial amounts of commercial property. Table 11.2 shows commercial property of affiliates by industry of affiliate, and it indicates that, in 1989, commercial property held by affiliates in real estate—that is, by affiliates whose major activity was in the real estate industry—was \$63.4 billion, or about 53 percent of all affiliates' commercial property.

NOTE.—James L. Bomkamp, Chief, Direct Investment in the United States Branch, International Investment Division, supervised the survey from which the estimates were derived. Juris E. Abolins, Beverly A. Feeser, and Dorrett E. Williams coordinated the editing and processing of the forms. D. Richard Mauery designed the computer programs for data retrieval and analysis.

1. A U.S. affiliate is a U.S. business enterprise in which there is foreign direct investment—that is, in which a single foreign person owns or controls, directly or indirectly, 10 percent or more of the voting securities of an incorporated U.S. business enterprise or an equivalent interest in an unincorporated U.S. business enterprise. An affiliate is called a U.S. affiliate to denote that it is located in the United States; in this article, "affiliate" and U.S. affiliate are used interchangeably.

2. The UBO is that person, proceeding up a U.S. affiliate's ownership chain, beginning with and including the foreign parent, that is not owned more than 50 percent by another person. The foreign parent is the first foreign person in the affiliate's ownership chain. Unlike the foreign parent, the UBO of an affiliate may be located in the United States. The UBO of each U.S. affiliate is identified to ascertain the person that ultimately owns or controls and that, therefore, ultimately derives the benefits from owning or controlling the U.S. affiliate.

Additional detail from BEA's annual surveys of foreign direct investment in the United States is available in other publications and on computer diskettes. Revised 1988 estimates and preliminary 1989 estimates will be available later this summer. For ordering and other information, see page 93 of this issue.

States, the largest increases were in New York and California (\$3 billion each).

- The share of all-U.S.-business employment accounted for by majority-owned U.S. affiliates was 3.8 percent in 1989, up from 3.5 percent in 1988 and 3.0 percent in 1987. Majority ownership usually means that the affiliates are unambiguously controlled by their foreign owners.

The 1989 estimates cover the universe of nonbank U.S. affiliates. They supplement similar estimates for 1977-88 from BEA's annual and benchmark surveys. The 1989 estimates were derived by combining data reported by a sample of affiliates in the annual survey with estimates of data for affiliates not in the sample.⁵

The 1988 estimates have been revised. Employment and sales were each revised up 4 percent; assets were revised up 5 percent.

The remainder of this article analyzes changes in affiliate employment in 1989, the share of the U.S. economy accounted for by U.S. affiliates, and estimates for majority-owned U.S. affiliates. In the analysis, information from outside sources, mainly press reports on specific companies, is used to supplement BEA's survey data.

Employment in 1989

This section discusses affiliate operations based on employment. Because employment is not directly affected by inflation, it probably provides a more accurate indication of changes in levels and shares of real economic activity than other available measures. The accompanying tables present a number of key items, in addition to employment, on U.S.-affiliate operations.

Employment by U.S. affiliates increased 596,000 in 1989, to 4,440,000. Because the increase primarily reflects acquisitions of existing U.S. businesses by foreigners, it should not be taken as a measure of the direct impact of increased foreign direct investment on aggregate U.S. employment.

By industry

By industry of affiliate, about one-half of the increase in employment was in manufacturing, and about one-fifth was in retail trade. In manufac-

5. For a description of the methods used to prepare the estimates, see the technical note in "U.S. Affiliates of Foreign Companies: Operations in 1988," *SURVEY 70* (July 1990): 142.

SURVEY OF CURRENT BUSINESS

Table 1.—Selected Data of Nonbank U.S. Affiliates, 1987-89

	1987	1988 ^r	1989 ^p	Change		Percent change	
				1988	1989	1988	1989
Thousands of employees							
Employment	3,224	3,844	4,440	620	596	19	16
Millions of dollars							
Total assets	943,654	1,200,823	1,402,174	257,170	201,350	27	17
Gross property, plant, and equipment	353,278	418,069	482,035	64,791	63,966	18	15
Of which: commercial property ¹	89,919	104,048	120,532	14,130	16,484	16	16
Sales	744,617	886,407	1,040,887	141,790	154,480	19	17
Goods	631,136	740,966	860,031	109,830	119,065	17	16
Services	92,820	119,071	147,620	26,251	28,549	28	24
Investment income	20,661	26,370	33,236	5,709	6,867	28	26
Net income	7,820	12,049	11,808	4,229	-241	54	-2
U.S. merchandise exports shipped by affiliates	48,091	69,541	84,263	21,450	14,723	45	21
U.S. merchandise imports shipped to affiliates	143,537	155,533	169,745	11,997	14,212	8	9
Addenda:							
Employment of all nonbank U.S. businesses (thousands)	86,647	89,583	91,913	2,936	2,330	3	3
U.S. affiliate employment as a percent of employment of all nonbank U.S. businesses ²	3.7	4.3	4.8				

^r Revised.

^p Preliminary.

1. See footnote 4 in the text.

2. The data on employment of all nonbank U.S. businesses are from table 6.6B of the "National Income and Product Accounts Tables" in the July 1990 issue of the *SURVEY*. The total is equal to employment in private industries less the employment of banks and private households.

turing, employment rose 295,000, to 2,123,000 (table 2). Within manufacturing, the increase was widespread. The largest increases were in primary and fabricated metals (80,000) and food and kindred products (65,000); in both industries, the increases reflected acquisitions of large U.S. companies. Increases were also large in chemicals (52,000), "other manufacturing" (50,000), and machinery (48,000).

These changes in affiliate employment refer to data classified by industry of affiliate (shown in the first seven columns of table 2). For this classification, an affiliate's primary industry—that is, the industry that accounts for the largest portion of its sales—is determined, and all data are shown in that industry even if the affiliate has activities in secondary industries. This classification is the one used in most of the tables that present data by industry in this article.

For sales and employment, data are also classified by industry of sales (shown in the last seven columns of table 2). On this basis, the affiliate's sales and employment in secondary industries are shown in those industries rather than in the affiliate's primary industry.⁶ Data classified by industry

6. Affiliate employment classified by industry of sales should generally approximate that classified by industry of establishment (plant), because an affiliate that has an establishment in an industry usually also has sales in that industry. However, if one establishment of an affiliate provides all of its output to another establishment of the affiliate, the affiliate will not have sales in the industry of the first establishment. For ex-

ample, if an affiliate operates both a metal mine and a metal-manufacturing plant and if the entire output of the mine is used by the manufacturing plant, all of the affiliate's sales will be in metal manufacturing, and none in metal mining. When the mining employees are distributed by industry of sales, they would be classified in manufacturing even though the industry of the establishment is mining.

of sales are preferable to those classified by industry of affiliate for analyzing the various activities in which diversified affiliates are engaged. Table 3 presents a matrix showing employment and sales classified by industry of sales and distributed by industry of affiliate and vice versa.

In the rest of this section, changes in employment by industry are discussed in terms of data classified by industry of sales. The pattern of changes in employment by industry of sales and that by industry of affiliate may differ because changes in affiliates' employment in secondary industries, which is often substantial, may not parallel the changes in their primary industries.⁷

ample, if an affiliate operates both a metal mine and a metal-manufacturing plant and if the entire output of the mine is used by the manufacturing plant, all of the affiliate's sales will be in metal manufacturing, and none in metal mining. When the mining employees are distributed by industry of sales, they would be classified in manufacturing even though the industry of the establishment is mining.

As part of a joint project between BEA and the Census Bureau, efforts are under way to link the enterprise data on foreign direct investment in the United States collected by BEA with the establishment data collected by the Census Bureau. The results will provide information on foreign-owned U.S. companies disaggregated by industry of establishment and by State, so that a more detailed profile of the economic activities of U.S. affiliates can be constructed. The initial results, which will be for 1987, are scheduled to be available in June 1992.

7. Affiliates classified in certain industries have particularly large portions of their employment in secondary industries: Those classified in petroleum have substantial employment in manufacturing; those classified in manufacturing have substantial employment in wholesale trade; and those classified in wholesale trade, services, or "other industries" have substantial employment in manufacturing.

Table 2.—Employment by Nonbank U.S. Affiliates, by Industry of Affiliate and by Industry of Sales, 1987-89

	By industry of affiliate ¹								By industry of sales ¹							
	Thousands of employees					Percent change			Thousands of employees					Percent change		
	1987	1988 ^r	1989 ^p	Change		1988	1989	1988	1989	1987	1988 ^r	1989 ^p	Change		1988	1989
				1988	1989								1988	1989		
All industries	3,224.3	3,844.2	4,440.1	619.9	595.9	19	16	3,224.3	3,844.2	4,440.1	619.9	595.9	19	16	16	
Petroleum	114.9	127.0	135.3	12.1	8.4	11	7	105.0	121.6	122.1	16.6	.5	16	(*)		
Petroleum and coal products manufacturing	90.6	103.0	101.7	12.4	-1.3	14	-1	71.0	81.6	80.4	10.7	-1.2	15	-1		
Other	24.2	24.0	33.6	-3	9.6	-1	40	34.0	40.0	41.7	6.0	1.7	18	4		
Manufacturing	1,542.6	1,828.6	2,123.4	286.1	294.8	19	16	1,401.0	1,650.7	1,876.2	249.7	225.6	18	14		
Food and kindred products	142.6	177.4	242.6	34.8	65.2	24	37	136.9	176.7	195.6	39.7	18.9	29	11		
Beverages	33.4	42.2	33.2	8.7	-8.9	26	-21	21.6	30.9	33.5	9.3	2.7	43	9		
Other	109.2	135.3	209.4	26.1	74.1	24	55	115.3	145.8	162.1	30.5	16.3	26	11		
Chemicals and allied products	395.8	390.7	442.5	-5.1	51.8	-1	13	269.4	288.7	309.4	19.3	20.7	7	7		
Industrial chemicals and synthetics	265.7	246.9	269.8	-18.7	22.9	-7	9	132.4	136.6	145.3	4.2	8.6	3	6		
Drugs	70.8	79.3	92.1	8.4	12.8	12	16	58.3	67.5	79.5	9.2	12.0	16	18		
Soap, cleaners, and toilet goods	37.8	41.7	61.6	3.9	19.9	10	48	24.9	29.2	36.6	4.3	7.5	17	26		
Other	21.5	22.8	19.0	1.3	-3.8	6	-17	53.8	55.4	48.0	1.6	-7.4	3	-13		
Primary and fabricated metals	159.3	199.8	279.6	40.5	79.7	25	40	148.5	166.7	195.9	18.2	29.1	12	17		
Primary metal industries	85.5	87.7	109.7	2.2	21.9	3	25	90.2	81.5	92.6	-8.7	11.2	-10	14		
Ferrous	39.3	38.0	49.6	-1.3	11.6	-3	31	50.6	42.4	50.7	-8.2	8.3	-16	20		
Nonferrous	46.2	49.8	60.1	3.5	10.3	8	21	39.6	39.1	41.9	-0.5	2.8	-1	7		
Fabricated metal products	73.8	112.1	169.9	38.3	57.8	52	52	58.3	85.3	103.2	27.0	18.0	46	21		
Machinery	326.1	464.8	513.2	138.7	48.4	43	10	323.1	403.1	478.8	79.9	75.7	25	19		
Machinery, except electrical	109.3	194.1	242.4	84.7	48.3	78	25	121.5	159.6	199.4	38.1	39.8	31	25		
Office and computing machines	35.2	38.5	53.1	3.3	14.5	9	38	29.7	35.2	40.9	5.6	5.7	19	16		
Other	74.1	155.5	189.3	81.4	33.8	110	22	91.8	124.4	158.5	32.6	34.1	35	27		
Electric and electronic equipment	216.8	270.7	270.8	53.9	.1	25	5	201.7	243.4	279.4	41.8	36.0	21	15		
Audio, video, and communications equipment	92.9	98.9	91.7	6.0	-7.2	6	-7	75.5	76.8	73.5	1.3	-3.3	2	-4		
Electronic components and accessories	41.4	46.8	52.6	5.5	5.7	13	12	52.5	69.4	77.3	16.8	8.0	32	12		
Other	82.6	125.0	126.6	42.4	1.6	51	1	73.7	97.3	128.6	23.7	31.2	32	32		
Other manufacturing	518.7	595.9	645.6	77.2	49.7	15	8	523.0	615.5	696.6	92.5	81.1	18	13		
Textile products and apparel	40.4	50.5	58.6	10.1	8.1	25	16	39.6	50.0	58.6	10.4	8.6	26	17		
Lumber, wood, furniture, and fixtures	13.9	17.1	12.7	3.3	-4.5	24	-26	24.9	28.6	22.9	3.7	-5.7	15	-20		
Paper and allied products	46.1	45.8	42.4	-3	-3.4	-1	-7	46.4	46.6	46.4	.2	-3	1	-1		
Printing and publishing	77.2	94.8	103.0	17.6	8.2	23	9	83.0	95.2	107.1	12.1	12.0	15	13		
Newspapers	16.3	18.1	19.3	1.8	1.2	11	6	19.8	19.9	20.8	.1	.9	1	4		
Other	60.9	76.7	83.7	15.7	7.0	26	9	63.2	75.2	86.3	12.0	11.1	19	15		
Rubber products	27.0	54.1	57.5	27.1	3.4	100	6	26.0	50.4	56.4	24.4	6.0	94	12		
Miscellaneous plastics products	20.6	26.3	31.6	5.6	5.3	27	20	30.5	42.7	44.6	12.2	1.9	40	4		
Stone, clay, and glass products	103.2	103.5	116.0	.4	12.5	(*)	12	82.0	89.5	105.8	7.5	16.3	9	18		
Transportation equipment	55.7	55.4	63.7	-3	8.3	-1	15	68.1	89.8	104.0	21.6	14.2	32	16		
Motor vehicles and equipment	33.2	35.8	39.7	2.6	4.0	8	11	56.0	63.1	72.3	7.1	9.2	13	15		
Other transportation equipment	22.5	19.6	24.0	-2.9	4.3	-13	22	12.1	26.7	31.7	14.6	5.0	120	19		
Instruments and related products	64.6	65.3	71.9	.7	6.6	1	10	76.0	85.0	105.7	9.0	20.6	12	24		
Other	70.0	83.1	88.2	13.1	5.1	19	6	46.6	37.7	45.1	-8.9	7.4	-19	20		
Wholesale trade	321.9	364.8	390.8	42.9	26.0	13	7	275.7	286.7	308.8	11.1	22.1	4	8		
Motor vehicles and equipment	71.4	73.8	81.7	2.4	7.9	3	11	44.3	38.9	42.3	-5.5	3.4	-12	9		
Professional and commercial equipment and supplies	33.3	35.6	39.3	2.3	3.7	7	10	34.3	41.1	39.9	6.8	-1.2	20	-3		
Metals and minerals, except petroleum	26.3	25.3	28.1	-9	2.7	-4	11	11.6	12.7	14.4	1.1	1.6	10	13		
Electrical goods	46.7	64.6	67.8	17.9	3.3	38	5	44.5	43.7	46.4	-0.7	2.7	-2	6		
Machinery, equipment, and supplies	29.9	41.6	39.7	11.7	-1.9	39	-5	34.2	38.9	40.5	4.7	1.6	14	4		
Other durable goods	26.0	34.5	37.5	8.5	2.9	33	8	26.4	29.6	34.8	3.1	5.2	12	18		
Groceries and related products	22.0	25.6	28.9	3.5	3.4	16	13	19.6	21.1	24.5	1.5	3.5	8	16		
Farm-product raw materials	17.4	16.5	17.3	-0.9	.8	-5	5	14.0	7.5	8.2	-6.5	.8	-46	10		
Other nondurable goods	48.9	47.3	50.6	-1.6	3.2	-3	7	46.8	53.3	57.8	6.4	4.6	14	9		
Retail trade	558.7	678.4	818.0	119.7	139.6	21	21	625.4	762.6	947.3	137.2	184.8	22	24		
General merchandise stores	93.8	183.0	186.4	89.3	3.3	95	2	132.6	223.1	234.9	90.5	11.8	68	5		
Food stores	216.9	230.5	243.0	13.6	12.5	6	5	221.0	235.4	247.4	14.4	12.0	7	5		
Apparel and accessory stores	86.8	80.9	100.9	-5.9	20.1	-7	25	85.9	79.9	99.0	-6.0	19.1	-7	24		
Other	161.3	184.1	287.7	22.8	103.6	14	56	186.0	224.2	366.1	38.2	141.9	21	63		
Finance, except banking	83.9	98.8	93.9	14.9	-4.9	18	-5	83.3	103.1	100.1	19.8	-3.0	24	-3		
Insurance	87.4	101.9	111.6	14.5	9.8	17	10	80.6	111.3	122.4	30.7	11.1	38	10		
Real estate	33.9	36.3	37.8	2.4	1.5	7	4	30.5	31.5	30.4	.9	-1.1	3	-3		
Services	290.3	378.6	404.9	88.3	26.3	30	7	329.4	426.5	474.5	97.1	48.0	29	11		
Hotels and other lodging places	51.7	62.1	71.6	10.4	9.5	20	15	54.9	66.0	84.5	11.0	18.5	20	28		
Business services	149.1	188.1	194.6	39.0	6.5	26	3	158.5	202.6	218.3	44.1	15.7	28	8		
Computer and data processing services	13.4	13.8	20.9	.4	7.1	3	52	21.9	27.7	38.8	5.8	11.0	27	40		
Other business services	135.7	174.3	173.7	38.6	-6	28	(*)	136.6	174.9	179.5	38.3	4.7	28	3		
Motion pictures, including television tape and film	18.2	22.1	23.8	3.9	1.7	21	8	13.0	15.8	14.8	2.8	-1.0	22	-6		
Engineering, architectural, and surveying services	18.4	21.5	26.9	3.2	5.3	17	25	21.0	25.5	37.6	4.5	12.1	21	47		
Accounting, research, management, and related services	12.2	9.7	17.3	-2.5	7.6	-21	79	25.8	27.0	36.0	1.2	9.0	5	33		
Health services	24.8	28.4	24.1	3.6	-4.3	15	-15	26.3	31.3	27.1	5.0	-4.3	19	-14		
Other services	15.9	46.7	46.6	30.8	-1	193	(*)	29.9	58.3	56.3	28.5	-2.0	95	-3		
Other industries	190.7	229.8	324.2	39.1	94.4	21	41	223.6	269.4	366.7	45.8	97.3	21	36		
Agriculture, forestry, and fishing	14.3	15.3	19.1	1.0	3.8	7	25	18.1	19.8	29.7	1.7	10.0	9	50		
Mining	27.6	26.7	43.6	-9	16.8	-3	63	50.8	55.6	69.6	4.8	14.0	10	25		
Coal	13.9	11.1	7.3	-2.8	-3.8	-20	-34	24.6	22.8	20.9	-1.8	-1.9	-7	-8		
Other	13.7	15.6	36.3	1.9	20.7	14	132	26.1	32.8	48.7	6.7	16.0	26	49		
Construction	52.4	56.8	77.2	4.4	20.4	8	36	56.7	63.0	79.2	6.3	16.3	11	26		
Transportation	72.4	100.2	146.2	27.9	45.9	39	46	83.6	117.4	167.8	33.8	50.4	40	43		
Communication and public utilities	24.0	30.8	38.2	6.8	7.4	28	24	14.3	13.6	20.4	-7	6.7	-5	49		
Unspecified ²	69.8	80.8	91.5	10.9	10.7	16	16	69.8	80.8	91.5	10.9	10.7	16	16		

^r Revised^p Preliminary

Table 3.—Employment and Sales by Nonbank U.S. Affiliates, Industry of Sales by Industry of Affiliate, 1989¹

Industry of sales	Industry of affiliate														
	All industries	Petroleum	Manufacturing						Wholesale trade	Retail trade	Finance, except banking	Insurance	Real estate	Services	Other industries
			Total	Food and kindred products	Chemicals and allied products	Primary and fabricated metals	Machinery	Other manufacturing							
Employment (thousands)															
All industries	4,440.1	135.3	2,123.4	242.6	442.5	279.6	513.2	645.6	390.8	818.0	93.9	111.6	37.8	404.9	324.2
Petroleum	122.1	100.1	18.8	0	(P)	(P)	.6	(P)	.8	.3	(*)	0	(*)	.4	1.7
Manufacturing	1,876.2	23.3	1,714.3	162.5	339.7	239.5	432.6	540.0	112.2	4.0	.1	0	.2	12.7	9.5
Food and kindred products	195.6	(P)	177.3	160.8	16.2	.1	0	.2	11.8	(P)	0	0	.1	(*)	.2
Chemicals and allied products	309.4	14.1	291.7	.9	278.8	3.5	3.0	5.5	2.8	0	0	0	0	(*)	.8
Primary and fabricated metals	195.9	1.2	187.4	0	2.6	174.4	6.4	3.9	6.3	0	0	0	0	.4	.5
Machinery	478.8	1.7	428.8	.1	10.4	25.6	382.9	10.0	37.0	0	0	0	.1	6.3	4.8
Other manufacturing	696.6	(P)	629.1	.6	31.8	36.0	40.3	520.4	54.3	(P)	.1	0	(*)	5.9	3.1
Wholesale trade	308.8	.3	63.6	8.1	15.9	6.7	22.9	10.1	236.8	1.8	0	0	(*)	4.5	1.7
Retail trade	947.3	1.3	111.5	54.6	.1	(P)	(P)	(P)	14.5	807.7	(*)	(*)	.6	11.6	.1
Finance, except banking	100.1	(*)	(P)	0	0	0	(P)	.2	.9	(*)	92.1	3.3	(P)	.2	(*)
Insurance	122.4	0	(P)	0	0	0	0	(P)	(*)	(*)	.5	104.5	(P)	.7	0
Real estate	30.4	(*)	.2	(*)	(*)	0	0	.2	.1	.9	.7	.1	(P)	1.1	.9
Services	474.5	2.4	63.6	9.2	(P)	9.4	21.0	(P)	16.2	3.1	.4	(P)	8.5	367.8	(P)
Other industries	366.7	(P)	48.2	.4	22.1	12.2	3.5	10.0	5.1	.2	.1	(P)	.4	6.0	301.2
Unspecified ²	91.5	(P)	84.7	(P)	37.3	9.5	30.8	(P)	4.1	0	(*)	0	.1	.1	(P)
Sales (millions of dollars)															
All industries	1,040,887	91,651	347,023	41,120	93,969	50,572	69,514	91,848	342,922	71,816	42,026	55,393	14,745	28,666	46,643
Petroleum	112,003	79,903	6,128	0	(P)	3	94	(P)	25,238	68	(*)	0	1	177	489
Manufacturing	331,866	8,454	292,880	35,282	77,429	42,628	58,869	78,672	26,629	387	(P)	0	(P)	1,700	1,789
Food and kindred products	43,843	(P)	38,926	34,896	3,971	(P)	0	(P)	3,355	(P)	0	0	5	(P)	(P)
Chemicals and allied products	76,462	6,184	69,180	262	66,499	639	910	869	849	0	0	0	0	13	237
Primary and fabricated metals	39,241	(P)	37,166	0	650	35,003	805	707	1,137	0	0	0	0	(P)	(P)
Machinery	67,411	(P)	58,808	80	871	3,201	53,368	1,288	7,099	0	0	0	(P)	394	895
Other manufacturing	104,908	(P)	88,800	45	5,437	(P)	3,786	(P)	14,189	(P)	(P)	0	1	1,198	518
Wholesale trade	305,419	372	19,887	3,445	4,125	3,920	4,821	3,575	283,438	958	0	0	18	344	402
Retail trade	77,668	253	5,807	1,268	6	(P)	191	(P)	1,744	69,566	13	2	25	256	2
Finance, except banking	43,846	1	305	(P)	0	1	(P)	96	657	(P)	41,486	943	(P)	150	36
Insurance	55,682	(P)	(P)	0	0	0	0	(P)	(P)	1	199	54,091	(P)	40	1
Real estate	15,676	1	(P)	15	(*)	(P)	0	(P)	(P)	452	(P)	33	13,989	156	591
Services	34,739	307	5,822	303	(P)	(P)	2,107	1,268	1,850	345	32	308	385	24,966	722
Other industries	52,663	1,054	6,283	43	2,917	1,201	373	1,749	1,762	15	6	16	49	869	42,609
Unspecified ²	11,326	(P)	8,542	(P)	3,467	1,396	(P)	67	(P)	(P)	2	0	(*)	9	1

¹ Suppressed to avoid disclosure of data of individual companies.

* Less than \$500,000 or less than 50 employees.

1. For a discussion of the differences between classification by industry of affiliate and by industry of sales, see the text.

2. In the breakdown of sales and employment by industry of sales, U.S. affiliates that filed long forms in the benchmark and annual surveys had to specify their eight largest sales categories, and U.S. affiliates that filed short forms had to specify their three largest sales categories. Sales or employment in all unspecified industries combined are shown in this line.

NOTE.—The 1989 estimates are preliminary.

The pattern of changes may also differ when an affiliate's industry of classification changes; when employment is classified by industry of affiliate, all employees are shifted from the old to the new industry, but when employment is classified by industry of sales, changes in employment for a given industry reflect only actual changes in the affiliate's employment. Some of the larger changes noted below reflect employment in secondary industries of companies acquired by foreign investors in 1989.

By industry of sales, the largest increases in employment were in manufacturing—226,000—and retail trade—185,000. Within manufacturing, the largest increases were in "other manufacturing" (81,000) and machinery (76,000).

Within "other manufacturing," increases were particularly large in instruments and related products (21,000), in stone, clay, and glass products (16,000), and in transportation equipment (14,000). The increase in

instruments largely reflected several acquisitions by U.S. affiliates with European UBO's, and the increase in stone, clay, and glass products was due largely to several acquisitions by affiliates with UBO's in Mexico and Australia. The increase in transportation equipment largely reflected the expansion

of operations of Japanese-owned automobile plants and acquisitions in "other transportation equipment" by U.S. affiliates with European UBO's.

Within machinery, the increase was about evenly split between nonelectrical machinery (40,000) and electrical machinery (36,000). In nonelectrical

Table 4.—Employment by Nonbank U.S. Affiliates, by Country of Ultimate Beneficial Owner, 1987–89

	Thousands of employees					Percent change	
	1987	1988*	1989 ^P	Change		1988	1989
				1988	1989		
All countries	3,224.3	3,844.2	4,440.1	619.9	595.9	19	16
Canada	592.9	737.9	755.3	145.0	17.3	24	2
Europe	1,940.4	2,301.3	2,635.7	360.9	334.4	19	15
Of which:							
France	187.8	237.7	264.2	49.9	26.5	27	11
Germany, Federal Republic of	366.6	391.6	435.5	25.1	43.9	7	11
Netherlands	270.1	285.2	316.0	15.1	30.8	6	11
Switzerland	191.6	195.0	254.8	3.3	59.8	2	31
United Kingdom	647.4	822.2	980.9	174.8	158.7	27	19
Latin America and Other Western Hemisphere	148.5	119.3	226.6	-29.2	107.3	-20	90
Africa	22.6	23.0	17.9	0.4	-5.1	2	-22
Middle East	35.8	44.2	38.9	8.4	-5.3	23	-12
Asia and Pacific	456.0	584.4	734.6	128.4	150.2	28	26
Of which:							
Australia	91.7	97.6	153.9	5.9	56.3	6	58
Japan	303.2	427.1	504.3	124.0	77.1	41	18
United States	28.2	34.1	31.1	5.8	-2.9	21	-9

* Revised.

^P Preliminary.

machinery, much of the increase was due to the acquisition of a minority interest in a U.S. engine manufacturer by a New Zealand company; the remainder largely reflected acquisitions by European UBO's or their U.S. affiliates. In electrical machinery, much of the increase resulted from the acquisition of a home appliance manufacturer by a Canadian UBO and the acquisition of a manufacturing and engineering firm that makes power-generating equipment by the U.S. affiliate of a Swiss company.

Employment in manufacturing also increased in primary and fabricated metals (29,000), in chemicals and allied products (21,000), and in food products (19,000). In fabricated metals, most of the increase was accounted for by the acquisition of the manufacturing and engineering firm by the U.S. affiliate of the Swiss company and of a manufacturer of fasteners by a British firm. In primary metals, the increase was more than accounted for by new Japanese investments in the U.S. steel industry and a few acquisitions

by Swiss and British companies. In chemicals, most of the increase was accounted for by the merger of a British drug firm with a U.S. drug firm and by several sizable acquisitions by U.S. affiliates of European companies. In food, the increase was largely due to the acquisition of a large U.S. food manufacturing and retail trade firm by the U.S. affiliate of a British company; subsequently, sizable units of the U.S. firm were sold to other investors—both U.S. and foreign.

Table 5.—Employment by Nonbank U.S. Affiliates, by U.S. Region and by State, 1987-89

	Total employment								Manufacturing employment ¹							
	Thousands of employees					Percent change			Thousands of employees					Percent change		
	1987	1988 ^r	1989 ^p	Change		1988	1989	1987	1988 ^r	1989 ^p	Change		1988	1989		
				1988	1989						1988	1989				
Total	3,224.3	3,844.2	4,440.1	619.9	595.9	19	16	1,315.4	1,611.9	1,834.4	296.5	222.4	23	14		
New England	205.6	249.5	291.1	43.9	41.6	21	17	80.7	98.7	115.4	18.0	16.7	22	17		
Connecticut	57.0	72.3	87.7	15.3	15.4	27	21	25.2	28.4	36.2	3.2	7.8	13	28		
Maine	20.6	24.4	27.1	3.8	2.7	19	11	7.1	8.4	8.4	1.3	(*)	19	(*)		
Massachusetts	92.5	110.3	129.0	17.7	18.8	19	17	32.5	41.7	49.0	9.2	7.3	28	17		
New Hampshire	18.9	22.4	25.6	3.5	3.2	18	14	7.7	10.2	11.6	2.5	1.4	33	14		
Rhode Island	10.5	12.2	13.3	1.7	1.1	16	9	6.7	7.5	7.2	.8	-2	12	-3		
Vermont	6.0	7.9	8.4	1.9	.5	32	6	1.6	2.5	3.0	.9	.5	60	19		
Mideast	740.6	838.4	913.6	97.8	75.2	13	9	267.5	302.2	330.0	34.6	27.8	13	9		
Delaware	36.8	41.8	41.5	5.0	-3	14	-1	12.0	13.3	11.8	1.3	-1.4	11	-11		
District of Columbia	7.0	8.8	8.8	1.8	(*)	26	(*)	.2	.4	.3	.2	-.1	128	-16		
Maryland	53.8	62.1	68.6	8.2	6.5	15	10	19.1	24.1	25.1	5.0	1.0	26	4		
New Jersey	173.3	203.9	222.4	30.6	18.5	18	9	70.8	78.6	89.2	7.9	10.5	11	13		
New York	302.8	342.8	370.9	40.0	28.1	13	8	77.6	91.8	86.5	14.3	4.7	18	5		
Pennsylvania	166.9	179.0	201.4	12.2	22.3	7	12	88.0	93.9	107.1	5.9	13.2	7	14		
Great Lakes	519.7	655.0	759.8	135.3	104.8	26	16	257.0	343.3	391.8	86.4	48.4	34	14		
Illinois	168.2	214.1	238.6	45.9	24.5	27	11	65.5	94.0	103.5	28.5	9.5	44	10		
Indiana	67.4	83.4	96.5	16.0	13.1	24	16	40.7	53.8	63.9	13.1	10.1	32	19		
Michigan	96.3	116.2	140.1	19.9	23.9	21	21	51.7	67.0	67.4	15.4	.3	30	1		
Ohio	132.9	170.2	207.6	37.3	37.4	28	22	71.7	88.3	114.9	16.7	26.5	23	30		
Wisconsin	54.9	71.1	77.0	16.2	5.9	30	8	27.4	40.2	42.2	12.8	2.0	47	5		
Plains	142.9	185.1	232.9	42.2	47.8	30	26	61.2	82.1	98.6	21.0	16.5	34	20		
Iowa	20.4	28.6	30.6	8.2	2.0	40	7	10.7	17.3	18.8	6.6	1.5	62	8		
Kansas	19.9	27.8	30.0	7.9	2.2	40	8	7.8	9.0	9.7	1.3	.6	16	7		
Minnesota	40.2	51.4	61.2	11.2	29.8	28	58	16.6	22.1	30.2	5.5	8.1	33	37		
Missouri	50.2	59.0	71.6	8.7	12.6	17	21	21.5	26.1	30.9	4.6	4.9	21	19		
Nebraska	7.6	12.7	13.5	5.2	.7	68	6	2.7	5.0	6.2	2.2	1.2	81	25		
North Dakota	2.7	3.7	3.1	(*)	-.1	-1	17	1.0	1.1	1.1	.1	(*)	6	4		
South Dakota	1.9	2.9	3.0	1.0	.1	55	4	.9	1.5	1.6	.6	.1	75	9		
Southeast	807.5	949.5	1,099.7	142.0	150.2	18	16	376.9	450.7	504.6	73.9	53.8	20	12		
Alabama	35.4	42.0	55.8	6.5	13.8	18	33	21.7	25.0	26.2	3.3	1.2	15	5		
Arkansas	21.3	25.7	32.0	4.3	6.3	20	25	11.2	15.2	17.6	4.0	2.5	36	16		
Florida	124.0	154.1	186.5	30.2	32.4	24	21	30.6	33.7	40.7	3.1	7.0	10	21		
Georgia	122.4	143.7	159.7	21.3	16.0	17	11	55.8	62.2	67.8	6.3	5.7	11	9		
Kentucky	38.5	47.7	55.5	9.2	7.7	24	16	21.1	27.1	36.2	6.0	9.1	29	33		
Louisiana	51.3	56.2	64.6	4.8	8.4	9	15	15.8	16.8	19.9	1.0	3.1	6	19		
Mississippi	17.5	20.2	22.8	2.7	2.6	16	13	11.2	13.6	13.4	2.4	-.2	21	-2		
North Carolina	134.1	157.4	174.5	23.3	17.1	17	11	74.8	93.4	101.6	18.6	8.2	25	9		
South Carolina	75.7	85.1	100.1	9.4	15.0	12	18	37.7	47.4	51.9	9.7	4.5	26	10		
Tennessee	82.2	98.2	112.3	16.0	14.2	19	14	51.9	62.0	66.6	10.1	4.5	20	7		
Virginia	79.7	92.7	106.1	13.1	13.4	16	14	30.5	39.6	44.9	9.1	5.3	30	13		
West Virginia	25.4	26.6	29.8	1.2	3.2	5	12	14.5	17.7	17.7	2.2	3.0	2	20		
Southwest	294.9	337.9	374.9	43.0	37.0	15	11	95.0	113.4	119.2	18.4	5.8	19	5		
Arizona	43.5	48.0	54.2	4.5	6.3	10	13	14.2	17.7	13.1	-1.5	.4	-10	3		
New Mexico	14.1	15.1	15.6	1.0	.5	7	4	3.0	2.6	2.7	-.4	.1	-14	6		
Oklahoma	27.2	38.4	41.2	11.2	2.8	41	7	5.6	12.0	13.3	6.4	1.3	113	11		
Texas	210.1	236.4	263.8	26.3	27.4	13	12	72.1	86.1	90.1	14.0	4.0	19	5		
Rocky Mountain	52.8	62.8	72.5	10.0	9.7	19	15	17.2	20.4	24.1	3.2	3.7	19	18		
Colorado	28.3	34.2	40.0	5.9	5.9	21	17	9.5	9.4	10.6	-.2	1.2	-2	13		
Idaho	4.0	5.6	8.2	1.6	2.6	41	47	1.0	2.3	4.0	1.4	1.7	139	74		
Montana	3.7	3.8	4.1	.1	.3	3	8	1.2	1.4	1.4	.3	(*)	23	(*)		
Utah	12.6	15.4	16.1	2.8	.7	22	4	4.6	6.5	7.2	1.8	.7	39	11		
Wyoming	4.3	3.9	4.1	-.4	.2	-9	6	.9	.8	.8	-.1	(*)	-11	4		
Far West	407.0	501.7	610.8	94.7	109.1	23	22	148.6	187.7	228.2	39.1	40.4	26	22		
California	334.9	407.1	496.4	72.1	89.3	22	22	126.3	157.0	196.3	30.7	39.3	24	25		
Nevada	10.5	13.7	18.7	3.3	5.0	31	36	.4	1.2	1.4	.8	.2	184	20		
Oregon	21.0	25.1	28.5	4.1	3.4	20	13	8.7	10.6	10.8	2.0	.2	23	2		
Washington	40.6	55.8	67.2	15.2	11.4	38	20	13.3	18.9	19.7	5.6	.8	43	4		
Alaska	7.5	7.6	8.0	.1	.4	1	6	2.6	2.9	2.8	.3	-.1	12	-3		
Hawaii	27.3	34.8	42.7	7.5	7.9	28	23	1.0	1.6	1.7	.6	.2	61	11		
Puerto Rico	12.8	14.7	19.6	1.9	4.9	15	33	7.3	7.9	12.3	.6	4.3	8	54		
Other U.S. areas ²	4.0	4.6	8.8	.6	4.2	15	91	.2	.2	2.1	(*)	1.9	6	806		
Foreign ³	1.6	2.6	5.7	1.0	3.1	59	117	.3	.8	3.8	.5	3.0	136	368		

^r Revised.

^p Preliminary.

* Less than 0.5 percent or 50 employees (±).

1. Manufacturing employees are employees on the payroll of manufacturing plants. Total affiliate manufacturing employment in this table differs from the total when classified by industry of sales, which is shown in tables 2 and 3. In this table, total manufacturing employment consists only of employees on the payroll of manufacturing plants, whereas in tables 2 and 3, it includes some nonmanufacturing employees (see footnote

6 in the text). Also, total manufacturing employment in this table includes, but in tables 2 and 3 excludes, petroleum refining employees. Affiliates' manufacturing employment in this table is defined to be consistent with data on total U.S. manufacturing employment to which these data can be compared (see table 8).

2. Consists of the Virgin Islands, Guam, American Samoa, U.S. offshore oil and gas sites; and all other outlying U.S. areas.

3. Consists of employees of U.S. affiliates working abroad.

In retail trade, employment increased 185,000. The increase was mainly accounted for by the acquisition of two firms with extensive operations throughout the United States.

In "other industries," employment increased 97,000. Within "other industries," a large increase in transportation (50,000) was mainly due to the acquisition of a minority interest in a U.S. airline.

In services, employment increased 48,000. Part of the increase was accounted for by various hotel investments (many by Japanese UBO's). The increase also reflected the merger of the British and U.S. drug firms—which resulted in a substantial increase in affiliate employment in the research, development, and testing services industry—and the acquisition of the manufacturing and engineering firm by the U.S. affiliate of the Swiss company.

In wholesale trade, employment increased 22,000. The acquisition of an electrical goods wholesaler by a German company contributed to the increase. Partly offsetting were decreases associated with the restructuring and liquidation of several affiliates.

In insurance, employment increased 11,000. Most of the increase resulted from acquisitions and expansions by existing U.S. affiliates of European companies.

By country

By country of UBO, the largest increase in employment by U.S. affiliates (159,000) was attributable to UBO's in the United Kingdom (table 4). Most of this increase was the result of the acquisition of the large U.S. food manufacturing and retail trade firm and the merger of the British and U.S. drug firms.

Employment by affiliates with UBO's in Panama increased largely because of the acquisition of a minority interest in a U.S. firm. Affiliates with UBO's in Japan, Switzerland, and Australia also had large increases in employment. For Japan, the increase (77,000) reflected both acquisitions and expansions. For Switzerland, the increase (60,000) was largely due to the acquisition of the manufacturing and engineering firm and, to a lesser extent, to acquisitions in the construction and insurance industries. For Australia, the increase (56,000) largely reflected the acquisition of the minority interest in the U.S. airline.

At the end of 1989, affiliates with British and Canadian UBO's had by far the largest employment—981,000 and 755,000, respectively. Employment by affiliates with Japanese UBO's—at 504,000—was third largest, and employment by affiliates with German UBO's—at 436,000—was fourth.

By U.S. region and State

Among U.S. regions, the largest increases in affiliate employment were in the Southeast (150,000), the Far West (109,000), and the Great Lakes (105,000) (table 5). The largest increases in manufacturing employment were in the Southeast (54,000) and the Great Lakes (48,000). Neither total affiliate employment nor manufacturing employment decreased in any region,

but there were small decreases in a few States.

By State, the largest increases in affiliate employment were in California (89,000) and Ohio (37,000). These States also had the largest increases in manufacturing employment, primarily because of acquisitions.

Share of the U.S. Economy

Two measures—employment and total assets—are used in this article to gauge the share of the U.S. economy accounted for by U.S. affiliates. In terms of employment, the size of U.S. affiliates is compared with that of all U.S. businesses by industry and by State. The comparisons by industry use affiliate employment data classified by industry of sales, because

Table 6.—Employment by Nonbank U.S. Affiliates and All Nonbank U.S. Businesses, 1988 and 1989

	Thousands of employees				U.S. affiliates as a percentage of all U.S. businesses	
	U.S. affiliates ¹		All U.S. businesses ²		1988	1989
	1988 ^a	1989 ^a	1988	1989		
All industries ³	3,844	4,440	89,583	91,913	4.3	4.8
Manufacturing ⁴	1,732	1,957	19,500	19,536	8.9	10.0
Petroleum and coal products	82	80	159	154	(⁵)	(⁵)
Chemicals and allied products	289	309	1,064	1,075	27.1	28.8
Stone, clay, and glass products	90	106	603	604	14.8	17.5
Instruments and related products	85	106	738	742	11.5	14.2
Electric and electronic equipment	243	279	2,079	2,056	11.7	13.6
Primary metal industries	177	196	1,640	1,648	10.6	12.0
Food and kindred products	177	196	1,640	1,648	10.8	11.9
Rubber and plastics products	93	101	837	858	11.1	11.8
Machinery, except electrical	160	199	2,101	2,113	7.6	9.4
Fabricated metal products	85	103	1,436	1,450	5.9	7.1
Printing and publishing	95	107	1,584	1,595	6.0	6.7
Paper and allied products	47	46	693	703	6.7	6.6
Transportation equipment	90	104	2,055	2,066	4.4	5.0
Motor vehicles and equipment	63	72	851	849	7.4	8.5
Other	27	32	1,204	1,217	2.2	2.6
Textile products	34	35	732	725	4.6	4.8
Other	82	92	3,009	2,974	2.7	3.1
Apparel and other textile products	16	24	1,100	1,091	1.5	2.2
Lumber, wood, furniture, and fixtures	29	23	1,303	1,286	2.2	1.8
Other	38	45	606	597	6.2	7.6
Wholesale trade	294	313	6,098	6,345	4.8	4.9
Retail trade	772	962	19,576	20,110	3.9	4.8
Finance, except banking	103	100	1,584	1,569	6.5	6.4
Insurance	111	122	2,138	2,166	5.2	5.6
Real estate	31	30	1,427	1,442	2.2	2.1
Services ⁶	426	475	25,870	27,248	1.6	1.7
Agriculture, forestry, and fishing	20	30	1,874	1,837	1.1	1.6
Mining	73	87	717	687	10.2	12.6
Construction	63	79	5,233	5,293	1.2	1.5
Transportation	124	173	3,358	3,480	3.7	5.0
Communication and public utilities	14	20	2,208	2,200	.6	.9
Unspecified ⁷	81	92	n.a.	n.a.	n.a.	n.a.

^a Revised

^b Preliminary

n.a. Not applicable.

1. Classified by industry of sales. In this table, petroleum is not shown as a separate major industry. Instead, in order to be consistent with the all-U.S.-business data, affiliate employment in the various petroleum subindustries is distributed among the other major industries. Thus, manufacturing includes petroleum and coal products, wholesale trade includes petroleum wholesale trade, retail trade includes gasoline service stations, and so on.

2. Classified by industry of establishment. These data are from table 6.6B of the "National Income and Product Accounts (NIPA) Tables" in the July 1990 issue of the SURVEY. The total is equal to employment in private industries less the employment of banks and private households. All-U.S.-business employment totals in this table differ slightly from those shown in tables 7 and 8; the data in tables 7 and 8 are from BEA's Regional Economic Information System and are derived as the sum of the State estimates. They differ from the NIPA estimates of employment because, by definition, they exclude U.S. residents temporarily employed abroad by U.S. businesses. They also differ from the NIPA estimates because of different data sources and revision schedules.

3. For consistency with the coverage of the all-U.S.-business employment data, U.S. affiliate employment in Puerto Rico, in "other territories and offshore," and in the "foreign" category (see table 7) was excluded from the U.S. affiliate employment total when computing the percentage shares on this line.

4. Total affiliate manufacturing employment and the shares of all-U.S.-business manufacturing employment accounted for by affiliates shown in this table differ from those shown in table 8. In this table, employment is classified by industry of sales, and the total for manufacturing includes some nonmanufacturing employees (see footnote 6 to the text), whereas in table 8, affiliate manufacturing employment consists only of employees on the payroll of manufacturing plants. Data on the latter basis are not available for the subindustries within manufacturing shown in this table.

5. The affiliate and all-U.S.-business employment data in petroleum and coal products are not comparable and, hence, are not shown here, because affiliate employment in this industry includes a substantial number of nonmanufacturing employees. When a rough adjustment is made to remove the nonmanufacturing employees from the affiliate data, the affiliate share of all-U.S.-business employment in petroleum and coal products is about 28 percent in 1988 and 31 percent in 1989. See footnote 10 in the text for further explanation.

6. Excludes private households.

7. See footnote 2 to table 2.

these data correspond most closely to the data classified by industry of establishment used for all-U.S.-business employment. The comparisons by State of nonbank business employment and of manufacturing employment are presented for the first time.

In terms of total assets, the comparison is restricted to manufacturing because comparable data classified by

industry of enterprise for both U.S. affiliates and all U.S. businesses are available only for manufacturing.

In terms of employment

In 1989, employment by nonbank U.S. affiliates of foreign companies accounted for 4.8 percent of the employees of all nonbank U.S. businesses, up from 4.3 percent in 1988 (table 6). The

increase reflected the strong growth in affiliate employment in 1989, which, as mentioned earlier, largely reflected acquisitions of U.S. companies by foreign investors.⁸

8. The data on employment by all nonbank U.S. businesses are from table 6.6B of the "National Income and Product Accounts Tables" in the July 1990 issue of the SURVEY. The total used here is equal to employment by private industries less employment by banks and private households.

Table 7.—Employment by Nonbank U.S. Affiliates and All Nonbank U.S. Businesses, 1977 and 1987–89, by State

	1977			1987			1988			1989		
	Thousands of employees		U.S. affiliates as a percentage of all U.S. businesses ¹	Thousands of employees		U.S. affiliates as a percentage of all U.S. businesses ¹	Thousands of employees		U.S. affiliates as a percentage of all U.S. businesses ¹	Thousands of employees		U.S. affiliates as a percentage of all U.S. businesses ¹
	U.S. affiliates	All U.S. businesses ¹		U.S. affiliates	All U.S. businesses ¹		U.S. affiliates	All U.S. businesses ¹		U.S. affiliates	All U.S. businesses ¹	
Total²	1,218.7	69,007.0	1.7	3,224.3	86,659.0	3.7	3,844.2	89,589.0	4.3	4,440.1	91,908.0	4.8
New England	75.6	4,233.6	1.8	205.6	5,621.8	3.7	249.5	5,761.5	4.3	291.1	5,752.7	5.1
Connecticut	22.6	1,117.9	2.0	37.0	1,450.9	3.9	72.3	1,475.2	4.9	87.7	1,472.0	6.0
Maine	5.7	320.8	1.8	20.6	420.4	4.9	24.4	444.0	5.5	27.1	455.3	6.0
Massachusetts	30.3	2,027.2	1.5	92.5	2,688.6	3.4	110.3	2,751.1	4.0	129.0	2,729.3	4.7
New Hampshire	8.4	286.7	2.9	18.9	451.5	4.2	22.4	464.8	4.8	25.6	462.4	5.5
Rhode Island	3.8	331.5	1.2	10.5	401.6	2.6	12.2	408.9	3.0	13.3	411.4	3.2
Vermont	4.7	149.5	3.2	6.0	208.7	2.9	7.9	217.3	3.6	8.4	222.2	3.8
Midwest	300.2	13,578.1	2.2	740.6	16,310.3	4.5	838.4	16,690.4	5.0	913.6	16,908.6	5.4
Delaware	6.2	³ 207.3	3.0	36.8	267.8	13.7	41.8	278.8	15.0	41.5	289.0	14.4
District of Columbia	1.4	³ 318.7	.4	7.0	389.0	1.8	8.8	403.5	2.2	8.8	409.4	2.2
Maryland	21.5	1,191.2	1.8	53.8	1,678.3	3.2	62.1	1,749.9	3.5	68.6	1,788.2	3.8
New Jersey	85.0	2,353.4	3.6	173.3	3,068.5	5.6	203.9	3,126.4	6.5	222.4	3,154.2	7.0
New York	121.5	5,617.9	2.2	302.8	6,651.6	4.6	342.8	6,751.8	5.1	370.9	6,797.5	5.5
Pennsylvania	64.5	3,901.8	1.7	166.9	4,255.0	3.9	179.0	4,379.8	4.1	201.4	4,470.1	4.5
Great Lakes	231.7	13,774.4	1.7	519.7	15,146.4	3.4	655.0	15,628.5	4.2	759.8	16,066.3	4.7
Illinois	73.8	3,949.2	1.9	168.2	4,275.7	3.9	214.1	4,408.7	4.9	238.6	4,513.1	5.3
Indiana	30.4	1,796.8	1.7	67.4	1,974.0	3.4	83.4	2,057.2	4.1	96.5	2,128.8	4.5
Michigan	41.1	2,861.2	1.4	96.3	3,154.8	3.1	116.2	3,233.8	3.6	140.1	3,339.5	4.2
Ohio	55.8	3,602.1	1.5	132.9	3,939.5	3.4	170.2	4,052.7	4.2	207.6	4,155.1	5.0
Wisconsin	30.6	1,565.1	2.0	54.9	1,802.3	3.0	71.1	1,876.1	3.8	77.0	1,929.8	4.0
Plains	61.4	5,396.4	1.1	142.9	6,272.4	2.3	185.1	6,487.9	2.9	232.9	6,673.0	3.5
Iowa	9.3	919.0	1.0	20.4	922.2	2.2	28.6	969.3	3.0	30.6	1,010.7	3.0
Kansas	8.8	715.5	1.2	19.9	830.3	2.4	27.8	854.3	3.3	30.0	874.2	3.4
Minnesota	17.6	1,355.7	1.3	40.2	1,691.0	2.4	51.4	1,748.0	2.9	81.2	1,793.8	4.5
Missouri	20.2	1,569.6	1.3	50.2	1,878.0	2.7	59.0	1,932.3	3.1	71.6	1,982.2	3.6
Nebraska	3.5	489.9	.7	7.6	553.6	1.4	12.7	573.9	2.2	13.5	592.4	2.3
North Dakota	1.4	171.8	.8	2.7	195.3	1.4	2.7	199.5	1.3	3.1	201.6	1.5
South Dakota .....	.7	176.9	.4	1.9	202.0	.9	2.9	210.6	1.4	3.0	218.1	1.4
Southeast	264.6	14,543.2	1.8	807.5	19,374.6	4.2	949.5	20,169.6	4.7	1,099.7	20,748.9	5.3
Alabama	14.3	1,025.4	1.4	35.4	1,216.2	2.9	42.0	1,261.1	3.3	55.8	1,295.1	4.3
Arkansas	9.8	601.7	1.6	21.3	709.5	3.0	25.7	737.4	3.5	32.0	757.3	4.2
Florida	28.3	2,466.8	1.1	124.0	4,225.1	2.9	154.1	4,425.5	3.5	186.5	4,581.7	4.1
Georgia	30.7	1,581.4	1.9	122.4	2,332.9	5.2	143.7	2,413.0	6.0	159.7	2,459.4	6.5
Kentucky	15.5	961.9	1.6	38.5	1,098.3	3.5	47.7	1,147.1	4.2	55.5	1,192.4	4.7
Louisiana	18.4	1,126.3	1.6	51.3	1,177.8	4.4	56.2	1,213.0	4.6	64.6	1,236.4	5.2
Mississippi	5.7	632.1	.9	17.5	680.2	2.6	20.2	708.3	2.9	22.8	726.1	3.1
North Carolina	45.7	1,870.4	2.4	134.1	2,450.5	5.5	157.4	2,560.6	6.1	174.5	2,617.4	6.7
South Carolina	35.1	889.4	3.9	75.7	1,145.0	6.6	85.1	1,205.2	7.1	100.1	1,243.6	8.1
Tennessee	26.2	1,375.1	1.9	82.2	1,705.1	4.8	98.2	1,776.0	5.5	112.3	1,838.7	6.1
Virginia	23.8	1,505.3	1.6	79.7	2,170.4	3.7	92.7	2,248.3	4.1	106.1	2,317.9	4.6
West Virginia	11.2	507.6	2.2	25.4	463.4	5.5	26.6	474.0	5.6	29.8	482.9	6.2
Southwest	84.2	5,902.8	1.4	294.9	7,887.9	3.7	337.9	8,070.5	4.2	374.9	8,253.9	4.5
Arizona	6.9	660.4	1.0	43.5	1,186.2	3.7	48.0	1,220.6	3.9	54.2	1,245.9	4.4
New Mexico	2.0	312.2	.6	14.1	403.6	3.5	15.1	414.6	3.6	15.6	426.0	3.7
Oklahoma	8.7	779.1	1.1	27.2	868.1	3.1	38.4	889.4	4.3	41.2	911.7	4.5
Texas	66.6	4,151.2	1.6	210.1	5,429.9	3.9	236.4	5,546.0	4.3	263.8	5,670.3	4.7
Rocky Mountain	22.5	1,841.7	1.2	52.8	2,321.8	2.3	62.8	2,389.0	2.6	72.5	2,481.9	2.9
Colorado	11.2	859.4	1.3	28.3	1,178.4	2.4	34.2	1,203.9	2.8	40.0	1,244.4	3.2
Idaho	1.9	257.6	.7	4.0	282.0	1.4	5.6	295.4	1.9	8.2	310.2	2.7
Montana	1.4	205.7	.7	3.7	218.3	1.7	3.8	224.2	1.7	4.1	231.8	1.8
Utah	5.9	379.6	1.6	12.6	504.2	2.5	15.4	524.4	2.9	16.1	551.5	2.9
Wyoming	2.2	139.4	1.5	4.3	138.9	3.1	3.9	141.1	2.7	4.1	144.1	2.8
Far West	143.5	9,331.7	1.5	407.0	13,197.9	3.1	501.7	13,846.5	3.6	610.8	14,441.0	4.2
California	124.2	7,160.3	1.7	334.9	10,278.4	3.3	407.1	10,746.2	3.8	496.4	11,148.9	4.5
Nevada	2.3	266.5	.9	10.5	449.1	2.3	13.7	485.0	2.8	18.7	525.8	3.6
Oregon	5.1	776.5	.7	21.0	918.2	2.3	25.1	973.0	2.6	28.5	1,022.5	2.8
Washington	11.9	1,128.4	1.1	40.6	1,552.1	2.6	55.8	1,642.4	3.4	67.2	1,743.8	3.9
Alaska	5.1	117.7	4.3	7.5	144.3	5.2	7.6	148.4	5.1	8.0	159.7	5.0
Hawaii	11.4	287.4	4.0	27.3	381.6	7.2	34.8	396.7	8.8	42.7	422.1	10.1
Puerto Rico	10.0	n.a.	n.a.	12.8	n.a.	n.a.	14.7	n.a.	n.a.	19.6	n.a.	n.a.
Other U.S. areas ⁴	7.8	n.a.	n.a.	4.0	n.a.	n.a.	4.6	n.a.	n.a.	8.8	n.a.	n.a.
Foreign ⁵ .....	.6	n.a.	n.a.	1.6	n.a.	n.a.	2.6	n.a.	n.a.	5.7	n.a.	n.a.

n.a. Not available.

1. The data on employment of all nonbank U.S. businesses are from BEA's Regional Economic Information System. The totals are equal to employment in private industries less employment of banks and private households. The all-U.S.-business employment totals shown in this table differ slightly from those shown in table 6, which are from table 6.6B of the "National Income and Product Accounts (NIPA) Tables" in the July 1990 issue of the SURVEY. The all-U.S.-business employment data in this table are derived as the sum of the State estimates. They differ from the NIPA estimates of employment because, by definition, they exclude U.S. residents temporarily employed abroad by U.S. businesses. They also differ from the NIPA estimates because of different data sources and revision schedules.

2. For consistency with the coverage of the all-U.S.-business employment data, U.S. affiliate employment in Puerto Rico, in "other territories and offshore," and in "foreign" was excluded from the U.S. affiliate employment total when computing the percentage shares on this line.

3. Includes employment by banks.

4. See footnote 2 to table 5.

5. See footnote 3 to table 5.

By industry, affiliate shares of all-U.S.-business employment were highest in mining (12.6 percent) and manufacturing (10.0 percent).⁹ Within manufacturing, the affiliate share was highest in chemicals and in petroleum and coal products—approximately 30 percent in each case.¹⁰ The largest increases in the affiliate shares were in instruments, in stone, clay, and glass products, and in mining. In instruments and in stone, clay, and glass products, the increases were largely due to the acquisitions mentioned earlier. In mining, the increase largely reflected acquisitions combined with a decline in total U.S. employment in that industry.

By State, the sharpest increases in affiliate shares of total U.S. nonbank employment were in Minnesota (1.6 percentage points, to 4.5 percent) and Hawaii (1.3 percentage points, to 10.1 percent) (table 7). The increase in Minnesota partly reflected the acquisitions of the large food manufacturing and retail trade firm and of the minority interest in the U.S. airline. The increase in Hawaii largely reflected additional Japanese investments. For manufacturing employment, the sharpest in-

9. In table 6, petroleum is not shown as a separate major industry, as it normally is in the direct investment data. Instead, to be consistent with the all-U.S.-business data, affiliate employment in the various petroleum subindustries is distributed among the other major industries. Thus, in table 6, manufacturing includes petroleum and coal products, wholesale trade includes petroleum wholesale trade, retail trade includes gasoline service stations, and so on.

10. If the affiliate share in petroleum and coal products were calculated from the data shown in table 6, it would be significantly higher than 30 percent. However, this share would be significantly overstated because affiliate employment in this industry includes a substantial number of nonmanufacturing employees. The share cited in the text is based on a rough adjustment to exclude these employees.

In petroleum and coal products, affiliate employment is largely accounted for by integrated petroleum companies that are involved in all phases of the petroleum industry, which includes the extraction and refining of crude oil and the marketing of gasoline and other petroleum products. When employment is classified by industry of sales, all of the employees of the integrated companies in any of these activities are included under petroleum and coal products manufacturing, even though they may be engaged in nonmanufacturing activities. In contrast, in the all-U.S.-business data, which are classified by industry of establishment, the employment of integrated companies is distributed among the activities of the companies' individual establishments; thus, only employees in the companies' manufacturing establishments are included in petroleum and coal products manufacturing.

The adjustment of affiliate employment in petroleum and coal products also slightly reduces the affiliate share of total U.S. manufacturing employment—to 9.9 percent in 1989. As part of the adjustment, the employees subtracted from petroleum and coal products should be added to other petroleum-related subindustries. Although it is likely that most of the employees would be added to retail trade (gasoline service stations) or mining (oil and gas extraction), information on the number of employees that should be added to each subindustry is not available.

creases were in West Virginia (3.3 percentage points, to 20.1 percent) and Kentucky (2.9 percentage points, to 12.7 percent) (table 8). In West Virginia, much of the increase reflected new investments by European companies; in Kentucky, much of the increase

was due to Japanese investment in the steel and motor vehicle industries.

At yearend 1989, affiliate shares of total U.S. nonbank employment were highest in Delaware (14.4 percent) and Hawaii (10.1 percent). In Delaware, the share was dominated by one

Table 8.—Manufacturing Employment by U.S. Affiliates and All U.S. Businesses, 1987–89, by State

	1987			1988			1989		
	Thousands of employees		U.S. affiliates as a percentage of all U.S. businesses ¹	Thousands of employees		U.S. affiliates as a percentage of all U.S. businesses	Thousands of employees		U.S. affiliates as a percentage of all U.S. businesses
	U.S. affiliates	All U.S. businesses ¹		U.S. affiliates	All U.S. businesses ¹		U.S. affiliates	All U.S. businesses ¹	
Total^{2,3}	1,315.4	19,122.0	6.8	1,611.9	19,499.0	8.2	1,834.4	19,532.0	9.3
New England	80.7	1,377.5	5.9	98.7	1,354.0	7.3	115.4	1,302.7	8.9
Connecticut	25.2	386.4	6.5	28.4	375.1	7.6	36.2	361.3	10.0
Maine	7.1	105.1	6.7	8.4	108.7	7.7	8.4	106.4	7.9
Massachusetts	32.5	600.7	5.4	41.7	587.8	7.1	49.0	562.2	8.7
New Hampshire	7.7	118.1	6.5	10.2	118.4	8.6	11.6	114.2	10.1
Rhode Island	6.7	117.7	5.7	7.5	113.9	6.6	7.2	109.7	6.6
Vermont	1.6	49.4	3.2	2.5	50.0	5.0	3.0	48.9	6.1
Mideast	267.5	3,257.7	8.2	302.2	3,257.7	9.3	330.0	3,196.3	10.3
Delaware	12.0	71.1	16.9	13.3	70.9	18.7	11.8	73.8	16.0
District of Columbia	2	16.3	1.1	4	16.7	2.5	3	16.1	2.2
Maryland	19.1	208.0	9.2	24.1	212.2	11.4	25.1	209.0	12.0
New Jersey	70.8	678.7	10.4	78.6	667.5	11.8	89.2	646.3	13.8
New York	77.6	1,231.8	6.3	91.8	1,225.0	7.5	96.5	1,196.4	8.1
Pennsylvania	88.0	1,051.7	8.4	93.9	1,065.4	8.8	107.1	1,054.7	10.2
Great Lakes	257.0	4,162.4	6.2	343.3	4,249.7	8.1	391.8	4,286.0	9.1
Illinois	65.5	949.1	6.9	94.0	989.5	9.5	103.5	985.2	10.5
Indiana	40.7	618.0	6.6	53.8	638.6	8.4	63.9	647.7	9.9
Michigan	51.7	964.8	5.4	67.0	953.4	7.0	67.4	968.6	7.0
Ohio	71.7	1,100.0	6.5	88.3	1,113.7	7.9	114.9	1,124.2	10.2
Wisconsin	27.4	530.5	5.2	40.2	554.6	7.2	42.2	560.3	7.5
Plains	61.2	1,330.6	4.6	82.1	1,386.0	5.9	98.6	1,408.8	7.0
Iowa	10.7	214.6	5.0	17.3	227.6	7.6	18.8	235.2	8.0
Kansas	7.8	177.5	4.4	9.0	183.0	4.9	9.7	184.1	5.2
Minnesota	16.6	378.1	4.4	22.1	395.2	5.6	30.2	400.7	7.5
Missouri	21.5	423.3	5.1	26.1	435.4	6.0	30.9	441.9	7.0
Nebraska	2.7	92.0	3.0	5.0	96.7	5.1	6.2	98.0	6.3
North Dakota	1.0	15.8	6.4	1.1	16.6	6.5	1.1	16.6	6.7
South Dakota	.9	29.2	3.0	1.5	31.6	4.8	1.6	32.4	5.1
Southeast	376.9	4,601.2	8.2	450.7	4,714.6	9.6	504.6	4,737.7	10.6
Alabama	21.7	371.7	5.8	25.0	383.4	6.5	26.2	388.0	6.7
Arkansas	11.2	220.3	5.1	15.2	228.4	6.6	17.6	231.4	7.6
Florida	30.6	530.7	5.8	33.7	543.2	6.2	40.7	538.6	7.6
Georgia	55.8	576.7	9.7	62.2	580.0	10.7	67.8	569.9	11.9
Kentucky	21.1	262.4	8.0	27.1	275.3	9.8	36.2	284.6	12.7
Louisiana	15.8	164.4	9.6	16.8	171.3	9.8	19.9	176.3	11.3
Mississippi	11.2	229.6	4.9	13.6	240.0	5.7	13.4	244.4	5.5
North Carolina	74.8	852.9	8.8	93.4	873.1	10.7	101.6	872.2	11.7
South Carolina	37.7	375.9	10.0	47.4	388.3	12.2	51.9	390.7	13.3
Tennessee	51.9	497.9	10.4	62.0	512.1	12.1	66.6	523.3	12.7
Virginia	30.5	432.1	7.1	39.6	431.7	9.2	44.9	430.3	10.4
West Virginia	14.5	86.5	16.8	14.7	87.7	16.8	17.7	88.1	20.1
Southwest	95.0	1,320.2	7.2	113.4	1,362.2	8.3	119.2	1,374.3	8.7
Arizona	14.2	188.8	7.5	12.7	192.4	6.6	13.1	188.3	7.0
New Mexico	3.0	38.4	7.8	2.6	40.9	6.3	2.7	42.9	6.3
Oklahoma	5.6	157.4	3.6	12.0	163.8	7.3	13.3	164.6	8.1
Texas	72.1	935.7	7.7	86.1	965.1	8.9	90.1	978.4	9.2
Rocky Mountain	17.2	361.2	4.8	20.4	378.4	5.4	24.1	389.0	6.2
Colorado	9.5	185.2	5.2	9.4	190.7	4.9	10.6	193.6	5.5
Idaho	1.0	54.5	1.8	2.3	58.2	4.0	4.0	61.0	6.6
Montana	1.2	21.1	5.5	1.4	21.7	6.6	1.4	22.4	6.4
Utah	4.6	92.4	5.0	6.5	99.0	6.5	7.2	103.1	7.0
Wyoming	.9	8.1	10.6	.8	8.8	8.7	.8	8.9	8.9
Far West	148.6	2,676.6	5.6	187.7	2,759.1	6.8	228.2	2,799.3	8.2
California	126.3	2,125.7	5.9	157.0	2,174.0	7.2	196.3	2,189.7	9.0
Nevada	.4	23.4	1.8	1.2	25.1	4.7	1.4	25.6	5.6
Oregon	8.7	207.4	4.2	10.6	218.1	4.9	10.8	220.6	4.9
Washington	13.3	320.1	4.1	18.9	342.0	5.5	19.7	363.5	5.4
Alaska	2.6	13.0	20.0	2.9	15.4	18.9	2.8	16.1	17.5
Hawaii	1.0	21.6	4.5	1.6	21.8	7.2	1.7	21.7	8.0
Puerto Rico	7.3	n.a.	n.a.	7.9	n.a.	n.a.	12.3	n.a.	n.a.
Other U.S. areas ⁴	.2	n.a.	n.a.	.2	n.a.	n.a.	2.1	n.a.	n.a.
Foreign ⁵	.3	n.a.	n.a.	.8	n.a.	n.a.	3.8	n.a.	n.a.

1. The data on manufacturing employment of all nonbank U.S. businesses are from BEA's Regional Economic Information System. The all-U.S.-business manufacturing employment totals shown in this table differ slightly from those shown in table 6, which are from table 6.6B of the "National Income and Product Accounts (NIPA) Tables" in the July 1990 issue of the SURVEY. The all-U.S.-business employment data in this table are derived as the sum of the State estimates. They differ from the NIPA estimates of employment because, by definition, they exclude U.S. residents temporarily employed abroad by U.S. businesses. They also differ from the NIPA estimates because of different data sources and revision schedules.

2. Total affiliate manufacturing employment and the shares of all-U.S.-business manufacturing employment accounted for by affiliates shown in this table differ from those shown in table 6. In table 6, affiliate employment is classified by industry of sales, and the total for manufacturing includes some nonmanufacturing employees (see footnote 6 in the text), whereas in this table, affiliate manufacturing employment consists only of employees on the payroll of manufacturing plants.

3. For consistency with the coverage of the all-U.S.-business employment data, U.S. affiliate employment in Puerto Rico, in "other territories and offshore," and in "foreign" was excluded from the U.S. affiliate employment total when computing the percentage shares on this line.

4. See footnote 2 to table 5.

5. See footnote 3 to table 5.

very large minority-owned affiliate; in Hawaii, the share was dominated by many Japanese direct investments. Affiliate shares of manufacturing employment were highest in West Virginia (20.1 percent) and Alaska (17.5 percent). In West Virginia, affiliates with European and Canadian UBO's accounted for the high share. In Alaska, the share was largely accounted for by food-products-manufacturing affiliates with Japanese and Canadian UBO's.

In terms of assets

In manufacturing, U.S. affiliates' share of the book value of total assets of all U.S. businesses increased to 17.2 percent in 1989 from 15.3 percent in 1988 (table 9).¹¹ In both years, affiliates' shares of manufacturing assets were substantially higher than their shares of manufacturing employment for two main reasons. First, affiliates are more concentrated than all U.S. businesses in capital-intensive industries, such as chemicals and petroleum and coal products, that have relatively low employment-to-assets ratios.¹² Second, much of the growth in foreign direct investment in recent years has been through acquisitions, and when a company is acquired, either by foreign or by U.S. buyers, its assets are often revalued to reflect the new, generally higher, value implicit in the acquisition price. Consequently, the portion of assets that has been recently revalued is probably higher for affiliates than for all U.S. businesses.¹³

11. The comparisons based on total assets cover only manufacturing because comparable data on total assets of all U.S. businesses in other industries are not available. Comparisons based on sales are also shown in table 9, but they are not discussed. All-U.S.-business total assets and sales are from the Census Bureau's *Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations (QFR)*. Comparisons for mining and trade are not appropriate, because the *QFR* data for these industries cover only corporations with assets over \$25 million for 1987-88 and over \$50 million for 1989. The exclusion of unincorporated businesses and small corporations from the *QFR* mining and trade data means that a significant portion of the all-U.S.-business activity in these industries is missing.

12. In some industries—such as stone, clay, and glass products—the higher affiliate share based on assets may also reflect a higher degree of diversification for affiliates than for other U.S. businesses. In such industries, an enterprise-based classification, like that used here for the comparisons of total assets, would result in higher affiliate shares than an activity-based classification, like the industry-of-sales and industry-of-establishment classifications used for the comparisons of employment, because data for secondary activities are included in the enterprise-based classification.

13. A comparison of affiliates' share of all-U.S.-business sales with their share of all-U.S.-business assets may indicate the importance of differences in valuation. Comparisons based on sales, unlike those based on assets, are not distorted by differences in valuation, because sales are generally valued at current prices.

Table 9.—Total Assets and Sales of U.S. Affiliates and All U.S. Businesses in Manufacturing, 1987-89¹

	Millions of dollars						U.S. affiliates as a percentage of all U.S. businesses		
	U.S. affiliates			All U.S. businesses			1987	1988	1989
	1987 ²	1988	1989	1987	1988	1989			
	Total assets								
Manufacturing	282,767	356,320	430,633	2,135,266	2,336,341	2,501,097	13.2	15.3	17.2
Stone, clay, and glass products	16,481	20,320	22,790	48,057	51,311	60,440	34.3	39.6	37.7
Chemicals and allied products	77,352	86,408	105,964	244,446	276,026	293,317	31.6	31.3	36.1
Fabricated metal products	7,944	16,004	25,225	86,746	98,770	99,683	9.0	16.2	25.3
Rubber and plastics products	5,963	11,104	12,443	43,956	50,059	51,680	13.6	22.2	24.1
Primary metal industries	15,325	17,553	21,208	78,678	88,182	90,371	19.5	19.9	23.5
Petroleum and coal products	59,305	62,290	63,181	338,384	327,725	320,017	17.5	19.0	19.7
Food and kindred products ³	28,707	(P)	(P)	235,690	284,253	307,632	12.2	(P)	(P)
Printing and publishing	9,782	14,287	21,751	99,617	115,454	144,467	9.8	12.4	15.1
Electric and electronic equipment	20,372	28,454	30,401	190,363	186,945	203,471	10.7	15.2	14.9
Machinery, except electrical	13,062	22,848	33,972	213,658	232,049	260,124	6.1	9.8	13.1
Textile products	1,931	3,388	3,983	30,817	33,440	39,667	6.3	10.1	10.0
Instruments and related products	6,835	7,902	9,489	78,988	106,041	110,501	8.7	7.5	8.6
Paper and allied products	6,480	7,501	7,764	85,279	95,444	109,038	7.6	7.9	7.8
Transportation equipment	7,689	8,990	10,474	276,740	293,229	308,045	2.8	3.1	3.4
Other	5,639	(P)	(P)	83,847	97,411	102,641	6.8	(P)	(P)
	Sales								
Manufacturing	271,649	330,319	409,275	2,378,212	2,600,661	2,744,800	11.4	12.7	14.9
Stone, clay, and glass products	13,377	14,152	16,834	54,338	54,636	57,299	24.6	25.9	29.4
Chemicals and allied products	72,105	78,835	93,969	225,200	262,525	278,300	32.0	30.0	33.8
Fabricated metal products	8,626	15,821	25,511	123,994	140,003	145,077	7.0	11.3	17.6
Rubber and plastics products	6,596	10,789	12,096	63,293	73,264	76,216	10.4	14.7	15.9
Primary metal industries	18,032	20,944	25,061	93,627	110,032	113,861	19.3	19.0	22.0
Petroleum and coal products	46,570	49,603	62,252	248,324	256,124	265,346	18.8	19.4	23.5
Food and kindred products ³	28,189	(P)	(P)	340,135	376,984	393,493	6.7	(P)	(P)
Printing and publishing	8,303	12,233	14,252	116,587	125,700	136,449	7.1	9.7	10.4
Electric and electronic equipment	26,577	33,386	35,592	210,870	209,866	221,549	12.6	15.9	16.1
Machinery, except electrical	13,766	22,894	33,922	206,438	234,617	255,183	6.7	9.8	13.3
Textile products	2,334	3,339	4,101	48,284	49,863	57,185	4.8	6.7	7.2
Instruments and related products	6,780	7,419	8,755	74,171	90,708	98,980	9.1	8.2	8.8
Paper and allied products	6,699	8,008	7,841	95,576	107,221	113,573	7.0	7.5	6.9
Transportation equipment	8,384	9,411	14,476	324,117	343,228	348,138	2.6	2.7	4.2
Other	5,310	(P)	(P)	153,258	165,892	184,155	6.9	(P)	(P)

^P Suppressed to avoid disclosure of data of individual companies.

1. The U.S. affiliate and all-U.S.-business data are classified by industry of enterprise. In this table, unlike most other tables on direct investment published here and elsewhere, petroleum and coal products is included in manufacturing in order to be consistent with the all-U.S.-business data.

2. Data for 1987 in this table correct an industry classification error in the U.S. affiliate data in table 6 of the July 1990 SURVEY article on U.S. affiliate operations in 1988.

3. Includes tobacco manufacturing.

NOTE.—Total assets and sales of all U.S. businesses cover U.S. corporations and are from the first quarter 1988, first quarter 1989, and first quarter 1990 issues of *Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations* published by the Census Bureau.

The largest increases in affiliate shares of all-U.S.-business assets were in fabricated metal products and chemicals. In fabricated metal products, the increase reflected the acquisition of the manufacturing and engineering firm by the U.S. affiliate of the Swiss company and, to a lesser extent, acquisitions by British and Japanese companies. In chemicals, the increase reflected several new investments by European companies.

Majority-Owned U.S. Affiliates

The estimates presented in this article have covered the operations of all U.S. nonbank affiliates—that is, all U.S. nonbank companies that are owned 10 percent or more by foreigners. In this section, the analysis covers

For manufacturing as a whole, U.S. affiliates' share of all-U.S.-business sales in 1989 was 14.9 percent—lower than their 17.2-percent share of total assets but higher than their 10.0-percent share of employment. These percentages suggest that some of the difference between the asset- and employment-based shares may be due to differences in asset valuation.

the operations of nonbank majority-owned U.S. affiliates (MOUSA's)—that is, nonbank affiliates that are owned more than 50 percent by foreigners.

Table 10 shows estimates of selected items—total assets, employment, gross property, plant, and equipment, and sales—for MOUSA's and gives the percent of the nonbank affiliate totals accounted for by MOUSA's.¹⁴ Most of the shares accounted for by MOUSA's are high because most U.S. affiliates are majority owned. The following discussion covers MOUSA shares of total assets and employment of all nonbank affiliates by industry, by area, and by country. The distributions of MOUSA shares of gross property, plant, and equipment and of sales are not discussed, but they tend to be similar to those of assets and employment.

In 1989, MOUSA's accounted for 72 percent of the total assets and 79 percent of the employment of all nonbank

14. These estimates for MOUSA's are based on data reported to BEA on a fully consolidated basis. To prepare the estimates, the foreign investor's ownership share of the top U.S. company in the consolidation was used, even though its share of other companies included in the consolidation may be lower.

Table 10.—Selected Data of Nonbank Majority-Owned U.S. Affiliates, by Industry of Affiliate and by Country of Ultimate Beneficial Owner, 1988 and 1989

	1988 ^r								1989 ^p							
	Millions of dollars				Majority-owned affiliates as a percentage of all nonbank affiliates				Millions of dollars				Majority-owned affiliates as a percentage of all nonbank affiliates			
	Total assets	Gross property, plant, and equipment	Sales	Thousands of employees	Total assets	Gross property, plant, and equipment	Sales	Employment	Total assets	Gross property, plant, and equipment	Sales	Thousands of employees	Total assets	Gross property, plant, and equipment	Sales	Employment
All industries, all countries	878,491	313,902	739,128	3,119.0	73	75	83	81	1,016,551	361,937	854,944	3,507.0	72	75	82	79
By industry																
Petroleum	71,260	79,438	64,394	109.9	85	86	87	87	79,291	81,009	76,365	121.2	87	89	83	90
Manufacturing	235,121	104,961	226,421	1,524.6	80	68	81	83	292,480	127,216	279,206	1,762.0	80	69	80	83
Food and kindred products	30,485	10,493	30,100	174.5	96	98	97	98	42,244	14,132	39,946	239.5	97	99	97	99
Chemicals and allied products	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)
Primary and fabricated metals	24,873	10,759	26,824	152.9	74	58	73	76	33,517	14,377	37,405	214.8	72	59	74	77
Machinery	45,272	17,053	50,908	423.6	88	84	90	91	55,566	19,255	60,055	449.4	86	78	86	88
Other manufacturing	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)
Wholesale trade	108,646	24,098	298,567	329.3	91	92	93	90	121,006	26,722	319,254	350.0	92	92	93	90
Retail trade	33,963	15,740	50,068	545.6	85	84	83	80	38,176	18,052	57,147	582.5	79	79	80	71
Finance, except banking	200,551	1,697	15,491	29.5	57	37	44	30	202,087	1,620	16,577	28.5	53	32	39	30
Insurance	99,435	3,309	35,289	71.2	70	77	72	70	(^b)	(^b)	(^b)	79.2	(^b)	(^b)	(^b)	71
Real estate	62,319	49,659	10,006	24.4	78	77	67	67	71,621	55,712	11,679	25.6	80	78	79	68
Services	43,049	17,500	18,872	337.9	88	81	83	89	51,534	23,317	24,283	360.5	89	83	85	89
Other industries	23,647	17,500	20,020	146.7	59	52	64	64	(^b)	(^b)	(^b)	197.5	(^b)	(^b)	(^b)	61
By country																
Canada	131,906	45,292	77,239	546.3	74	50	71	74	148,529	50,203	83,620	561.2	74	51	71	74
Europe	493,927	200,189	405,370	2,025.5	84	89	88	88	545,292	226,351	471,990	2,326.4	79	90	88	88
Of which:																
France	43,261	20,737	46,001	206.2	88	90	77	87	50,446	23,859	57,612	233.1	88	90	80	88
Germany, Federal Republic of	65,242	27,108	76,644	360.5	92	87	93	92	81,045	30,805	85,896	390.0	93	88	93	90
Netherlands	70,119	47,952	54,069	234.8	93	94	91	82	80,427	51,449	62,003	254.6	93	94	91	81
Switzerland	80,469	14,261	42,286	175.2	95	90	91	90	17,346	51,006	230.1	(^b)	92	86	90	90
United Kingdom	186,767	71,239	134,032	771.1	90	92	94	94	224,038	82,289	157,819	926.1	88	92	93	94
Latin America and Other Western Hemisphere ...	14,899	8,322	16,346	89.9	58	76	64	75	17,880	9,893	21,236	94.8	52	69	64	42
Africa	(^b)	1,499	2,044	8.6	(^b)	18	31	37	(^b)	2,346	7.1	(^b)	(^b)	40	(^b)	40
Middle East	16,962	10,103	5,429	21.0	51	67	68	61	17,099	9,965	8,788	23.6	50	66	49	61
Asia and Pacific	216,257	47,590	230,438	474.7	64	72	88	71	282,128	61,717	262,966	488.0	70	67	84	66
Of which:																
Australia	23,141	7,157	10,160	68.1	82	65	70	70	37,169	8,930	14,170	79.1	73	48	54	51
Japan	175,839	35,450	205,973	305.7	61	73	89	72	225,552	47,770	233,056	360.9	69	73	87	72
United States	(^b)	907	2,262	7.0	(^b)	29	17	21	(^b)	1,461	(^b)	5.9	(^b)	43	(^b)	19

^r Revised.^p Preliminary.^b Suppressed to avoid disclosure of data of individual companies.

U.S. affiliates. MOUSA shares of assets and employment were high in most industries. Among major industries, MOUSA shares were highest—92 percent of assets and 90 percent of employment—in wholesale trade and were lowest—53 percent of assets and 30 percent of employment—in finance (except banking). In finance (except banking), the shares were relatively low because foreign investors held minority interests in a few large U.S. companies.

In manufacturing, MOUSA's accounted for 80 percent of the assets and 83 percent of the employment of all U.S. affiliates. Within manufacturing, the MOUSA shares of assets and employment were highest in food manufacturing and were lowest in chemicals. The low shares in chemicals reflected the minority interest of a Canadian investor in a major U.S. chemical company.

By area, the MOUSA shares were highest—79 percent of assets and 88 percent of employment—for affiliates with UBO's in Europe and were lowest for affiliates with UBO's in the United States.¹⁵ By country, MOUSA's with UBO's in West Germany and the Netherlands had particularly high shares of assets (93 percent each), and MOUSA's with UBO's in the United Kingdom had a particularly high share of employment (94 percent). The shares for MOUSA's with UBO's in Japan—69 percent of assets and 72 percent of employment—were somewhat below average, primarily because of minority investments in fi-

15. A U.S. affiliate with a UBO in the United States has a foreign parent (that is, a foreign person owns at least 10 percent of it), but its ultimate beneficial owner is located in the United States. See the definition of UBO in footnote 2. Affiliates with U.S. UBO's are included because the definition of direct investment is based on whether a U.S. company has a foreign parent rather than on the location of the UBO.

nance. In 1989, the share of assets accounted for by MOUSA's with UBO's in Switzerland declined; the decline largely reflected a firm's conversion from majority-owned to minority-owned status. The share of employment accounted for by MOUSA's with UBO's in "Latin America and Other Western Hemisphere" declined; the decline largely reflected the acquisition of a minority interest in a company.

The preceding section of this article discussed the shares of all-U.S.-business employment and assets accounted for by all nonbank U.S. affiliates—both majority and minority owned. When only MOUSA's are used to calculate these shares, the affiliate share of all-U.S.-business employment is 3.8 percent (compared with 4.5 percent for all affiliates), and their share of all-U.S.-business assets in manufacturing is 14.0 percent (compared with 17.2 percent).

Tables 11 - 16 follow.

Table 11.1—Selected Data of Nonbank U.S. Affiliates, by Industry of Affiliate, 1988

	Millions of dollars					Thousands of employees	Millions of dollars				
	Total assets	Sales	Net income	Employee compensation	Gross property, plant, and equipment		Of which:		Expenditures for new plant and equipment	U.S. merchandise exports shipped by affiliates	U.S. merchandise imports shipped to affiliates
							Total	Commercial property ¹			
All industries	1,200,823	886,407	12,049	119,588	3,844.2	418,069	104,048	57,036	69,541	155,533	
Petroleum	84,006	74,254	1,947	5,970	127.0	91,916	5,361	8,053	1,686	7,936	
Petroleum and coal products manufacturing	62,290	49,603	2,164	4,257	103.0	69,697	4,694	6,399	883	5,764	
Other	21,715	24,651	-217	1,712	24.0	22,219	666	1,653	803	2,172	
Manufacturing	294,030	280,716	7,542	62,373	1,828.6	153,867	9,560	20,686	25,192	32,762	
Food and kindred products	31,641	31,160	831	5,075	177.4	10,701	976	1,321	1,530	2,112	
Beverages	14,417	8,092	746	1,446	42.2	2,666	263	363	585	1,290	
Other	17,224	23,068	85	3,629	135.3	8,035	713	958	945	822	
Chemicals and allied products	86,408	78,835	4,368	16,588	390.7	59,327	3,095	7,048	8,688	6,395	
Industrial chemicals and synthetics	58,980	52,036	3,227	10,792	246.9	46,764	1,773	5,152	7,276	3,933	
Drugs	12,586	13,530	706	3,271	79.3	6,768	841	947	763	1,631	
Soap, cleaners, and toilet goods	10,313	9,175	329	1,670	41.7	3,638	360	595	256	344	
Other	4,528	4,094	106	856	22.8	2,158	121	353	392	487	
Primary and fabricated metals	33,557	36,765	1,088	7,504	199.8	18,616	695	2,285	1,896	3,943	
Primary metal industries	17,553	20,944	719	3,479	87.7	12,330	227	1,542	1,104	2,889	
Ferrous	6,788	8,468	251	1,658	38.0	6,402	131	989	169	672	
Nonferrous	10,765	12,476	468	1,821	49.8	5,928	95	553	935	2,217	
Fabricated metal products	16,004	15,821	369	4,025	112.1	6,287	468	743	792	1,054	
Machinery	51,302	56,279	-181	15,024	464.8	20,331	994	3,267	8,558	11,639	
Machinery, except electrical	22,848	22,894	379	6,066	194.1	8,156	433	1,256	2,433	3,622	
Office and computing machines	5,389	4,974	107	1,797	38.5	2,253	49	551	828	979	
Other	17,459	17,920	272	4,269	155.5	5,902	384	705	1,605	2,643	
Electric and electronic equipment	28,454	33,386	-520	8,958	270.7	12,175	561	2,010	6,125	8,017	
Audio, video, and communications equipment	10,345	14,159	-215	3,619	98.9	4,534	221	755	3,848	4,545	
Electronic components and accessories	6,146	4,999	-104	1,558	46.8	3,219	49	520	1,005	1,067	
Other	11,963	14,227	-241	3,781	125.0	4,423	291	736	1,272	2,406	
Other manufacturing	91,123	77,676	1,436	18,182	595.9	44,891	3,801	6,766	4,520	8,673	
Textile products and apparel	5,420	4,677	57	1,090	50.5	2,829	384	508	197	600	
Lumber, wood, furniture, and fixtures	1,773	1,945	111	368	17.1	1,070	43	180	220	243	
Paper and allied products	7,501	8,008	529	1,677	45.8	5,489	213	790	563	641	
Printing and publishing	14,287	12,233	-124	2,837	94.8	4,378	266	579	209	209	
Newspapers	3,718	1,554	-28	426	18.1	594	1	(P)	0	1	
Other	10,569	10,680	-97	2,411	76.7	3,784	265	(P)	209	209	
Rubber products	7,559	6,650	30	1,975	54.1	3,517	(P)	371	442	646	
Miscellaneous plastics products	3,545	4,138	232	682	26.3	2,470	122	360	164	487	
Stone, clay, and glass products	20,320	14,152	445	3,458	103.5	13,255	608	1,413	375	792	
Transportation equipment	8,990	9,411	-547	1,989	55.4	4,711	313	1,623	724	3,248	
Motor vehicles and equipment	6,731	6,756	-371	1,197	35.8	4,020	273	1,562	475	2,415	
Other transportation equipment	2,259	2,655	-176	792	19.6	691	41	62	248	833	
Instruments and related products	7,902	7,419	169	2,079	65.3	3,502	266	490	878	648	
Other	13,825	9,042	533	2,028	83.1	3,671	(P)	452	749	1,159	
Wholesale trade	119,057	320,216	1,456	12,472	364.8	26,133	5,854	4,048	40,035	111,481	
Motor vehicles and equipment	32,624	83,826	886	2,833	73.8	8,674	1,941	1,411	4,146	49,455	
Professional and commercial equipment and supplies	8,012	14,626	-14	1,351	35.6	1,485	429	363	506	8,709	
Metals and minerals, except petroleum	13,714	62,497	118	1,058	25.3	2,459	466	364	9,695	12,082	
Electrical goods	15,530	26,538	124	1,899	64.6	3,148	672	522	824	15,105	
Machinery, equipment, and supplies	16,319	31,690	-112	1,446	41.6	1,889	604	303	6,084	9,548	
Other durable goods	8,105	23,604	70	1,038	34.5	1,354	582	188	833	3,884	
Groceries and related products	4,166	15,699	12	648	25.6	932	381	152	1,519	3,719	
Farm-product raw materials	7,323	36,263	-6	494	16.5	1,740	267	96	14,452	2,219	
Other nondurable goods	13,464	25,472	376	1,704	47.3	4,453	506	650	1,978	6,759	
Retail trade	39,838	60,601	257	9,495	678.4	18,642	10,307	2,979	1,184	2,271	
General merchandise stores	17,658	13,999	-83	2,777	183.0	7,251	5,208	1,060	24	431	
Food stores	8,562	27,177	310	3,402	230.5	5,634	2,598	986	1	71	
Apparel and accessory stores	4,067	5,261	-76	983	80.9	1,569	231	218	12	421	
Other	9,550	14,164	106	2,332	184.1	4,187	2,270	715	1,148	1,348	
Finance, except banking	353,018	34,875	419	8,175	98.8	4,639	1,049	1,252	(P)	(*)	
Insurance	141,767	48,856	1,851	3,613	101.9	4,307	2,589	814	(P)	0	
Real estate	80,070	13,015	-829	939	36.3	63,462	56,563	9,246	(*)	(*)	
Services	49,142	22,829	-744	8,612	378.6	21,701	8,790	5,860	230	512	
Hotels and other lodging places	9,915	3,108	-155	1,091	62.1	7,358	6,093	1,157	1	4	
Business services	14,684	8,638	-113	4,686	188.1	3,648	967	966	49	62	
Computer and data processing services	2,144	1,972	86	1,180	13.8	1,114	97	535	28	9	
Other business services	12,540	6,667	-200	3,505	174.3	2,535	564	431	21	53	
Motion pictures, including television tape and film	8,021	3,237	-237	491	22.1	2,677	459	280	14	38	
Engineering, architectural, and surveying services	4,689	2,367	-215	712	21.5	2,350	280	(P)	85	78	
Accounting, research, management, and related services	3,735	1,007	-38	367	9.7	652	267	104	(P)	(P)	
Health services	992	1,163	20	444	28.4	653	433	63	0	0	
Other services	7,106	3,308	-7	822	46.7	4,363	597	(P)	(P)	(P)	
Other industries	39,896	31,044	149	7,939	229.8	33,401	3,975	4,099	1,182	571	
Agriculture, forestry, and fishing	3,444	1,378	-75	249	15.3	2,823	1,233	293	130	45	
Mining	12,441	6,511	561	1,209	26.7	10,839	211	1,553	1,030	411	
Coal	5,425	3,168	199	580	11.1	4,933	60	477	430	191	
Other	7,016	3,342	362	629	15.6	5,906	151	1,076	600	220	
Construction	5,218	9,077	-155	1,994	56.8	1,778	254	267	21	74	
Transportation	14,235	11,809	-17	3,837	100.2	14,140	1,677	1,449	0	5	
Communication and public utilities	4,558	2,269	-164	650	30.8	3,821	602	537	1	37	

^P Suppressed to avoid disclosure of data of individual companies.

* Less than \$500,000.

1. See footnote 4 in the text.

NOTE.—Estimates for 1988 are revised.

Table 11.2—Selected Data of Nonbank U.S. Affiliates, by Industry of Affiliate, 1989

	Millions of dollars					Thousands of employees	Millions of dollars				
	Total assets	Sales	Net income	Employee compensation	Gross property, plant, and equipment		Of which:		Expenditures for new plant and equipment	U.S. merchandise exports shipped by affiliates	U.S. merchandise imports shipped to affiliates
							Total	Commercial property ¹			
All industries	1,402,174	1,040,887	11,808	140,592	4,440.1	482,035	120,532	66,555	84,263	169,745	
Petroleum	91,381	91,651	2,535	6,287	135.3	91,020	5,234	6,638	1,962	14,131	
Petroleum and coal products manufacturing	63,181	62,252	2,190	4,347	101.7	70,541	4,487	4,792	991	8,440	
Other	28,200	29,399	345	1,940	33.6	20,479	748	1,846	972	5,691	
Manufacturing	367,452	347,023	6,159	74,674	2,123.4	184,559	12,404	25,088	31,281	39,227	
Food and kindred products	43,499	41,120	531	6,272	242.6	14,331	2,109	1,752	2,047	2,658	
Beverages	13,564	6,958	265	1,160	33.2	2,768	525	255	719	1,082	
Other	29,935	34,163	266	5,112	209.4	11,563	1,584	1,497	1,329	1,576	
Chemicals and allied products	105,964	93,969	4,874	19,279	442.5	69,857	3,276	9,322	9,337	7,688	
Industrial chemicals and synthetics	71,276	60,712	3,458	12,103	269.8	54,204	1,991	6,921	7,898	5,147	
Drugs	16,650	16,357	1,028	4,024	92.1	8,772	809	1,317	1,781	1,781	
Soap, cleaners, and toilet goods	13,389	12,927	301	2,338	61.6	4,505	369	691	285	292	
Other	4,648	3,973	87	814	19.0	2,376	107	394	379	469	
Primary and fabricated metals	46,433	50,572	775	10,459	279.6	24,417	972	3,221	3,579	4,891	
Primary metal industries	21,208	25,061	496	4,391	109.7	15,059	361	2,151	1,646	3,273	
Ferrous	9,661	10,547	156	2,026	49.6	8,402	168	1,235	279	745	
Nonferrous	11,548	14,514	341	2,365	60.1	6,656	193	916	1,367	2,528	
Fabricated metal products	25,225	25,511	279	6,068	169.9	9,359	611	1,069	1,933	1,618	
Machinery	64,373	69,514	-148	17,906	513.2	24,613	1,049	4,018	10,761	13,742	
Machinery, except electrical	33,972	33,922	339	8,646	242.4	11,883	486	1,930	4,322	5,333	
Office and computing machines	10,257	8,504	-233	2,601	53.1	3,158	64	793	1,517	1,540	
Other	23,716	25,418	573	6,045	189.3	8,725	422	1,137	2,806	3,793	
Electric and electronic equipment	30,401	35,592	-487	9,260	270.8	12,729	563	2,088	6,438	8,408	
Audio, video, and communications equipment	11,030	14,884	-141	3,694	91.7	4,701	121	649	4,074	4,969	
Electronic components and accessories	6,707	6,713	-65	1,804	52.6	3,915	81	696	1,041	1,579	
Other	12,664	13,995	-282	3,762	126.6	4,113	361	742	1,323	1,860	
Other manufacturing	107,182	91,848	127	20,758	645.6	51,341	4,998	6,775	5,557	10,249	
Textile products and apparel	6,471	5,792	-35	1,397	58.6	3,370	482	538	259	659	
Lumber, wood, furniture, and fixtures	1,608	1,666	76	323	12.7	1,031	59	182	353	171	
Paper and allied products	7,764	7,841	210	1,812	42.4	5,735	172	596	646	695	
Printing and publishing	21,751	14,252	-364	3,207	103.0	5,345	451	745	220	153	
Newspapers	3,993	1,620	-7	455	19.3	705	1	117	0	1	
Other	17,758	12,632	-357	2,752	83.7	4,641	451	628	220	152	
Rubber products	7,959	7,248	-45	2,156	57.5	4,109	(P)	629	405	595	
Miscellaneous plastics products	4,484	4,847	44	914	31.6	2,746	106	438	204	441	
Stone, clay, and glass products	22,490	16,834	-217	4,144	116.0	15,256	791	1,496	436	831	
Transportation equipment	10,474	14,476	-683	2,412	63.7	5,821	348	1,123	1,017	5,129	
Motor vehicles and equipment	7,613	11,517	-669	1,469	39.7	4,870	325	994	473	4,508	
Other transportation equipment	2,861	2,959	-14	942	24.0	951	23	129	544	622	
Instruments and related products	9,489	8,755	160	2,398	71.9	3,930	262	562	1,117	826	
Other	14,392	10,137	548	1,995	88.2	3,997	(P)	467	900	747	
Wholesale trade	131,226	342,922	1,005	14,132	390.8	28,998	6,416	5,909	47,645	113,059	
Motor vehicles and equipment	37,842	86,746	673	3,130	81.7	10,523	2,243	2,500	4,558	45,178	
Professional and commercial equipment and supplies	8,897	16,455	-33	1,639	39.3	1,810	552	448	878	9,507	
Metals and minerals, except petroleum	15,464	65,109	132	1,123	28.1	2,816	489	323	10,769	12,326	
Electrical goods	17,249	31,553	17	2,320	67.8	3,486	698	1,112	1,807	17,363	
Machinery, equipment, and supplies	15,453	34,607	-47	1,553	39.7	1,892	628	279	7,474	10,631	
Other durable goods	9,896	24,269	137	1,161	37.5	1,563	551	281	1,251	4,519	
Groceries and related products	4,216	15,745	-140	755	28.9	1,188	435	167	1,487	2,944	
Farm-product raw materials	8,400	43,040	-66	590	17.3	1,850	219	157	17,292	3,398	
Other nondurable goods	13,808	25,398	331	1,860	50.6	3,870	602	629	2,130	7,193	
Retail trade	48,474	71,816	-265	12,009	818.0	22,709	12,554	3,249	1,533	2,686	
General merchandise stores	18,708	15,179	-457	3,057	186.4	7,822	5,853	1,410	32	479	
Food stores	9,371	30,131	229	3,700	243.0	6,447	2,963	898	(P)	78	
Apparel and accessory stores	5,970	7,124	-57	1,300	100.9	2,115	531	269	(P)	466	
Other	14,425	19,382	19	3,952	287.7	6,325	3,206	673	1,273	1,664	
Finance, except banking	380,743	42,026	1,331	7,918	93.9	5,092	1,536	895	6	(*)	
Insurance	171,055	55,393	2,143	4,157	111.6	4,771	2,746	809	0	0	
Real estate	89,968	14,745	-133	1,025	37.8	71,001	63,380	11,080	3	2	
Services	57,970	28,666	-1,017	9,505	404.9	28,023	11,587	8,108	279	176	
Hotels and other lodging places	13,461	3,807	-327	1,392	71.6	10,225	7,842	2,379	1	3	
Business services	15,813	10,444	-151	4,725	194.6	4,472	722	961	51	70	
Computer and data processing services	2,807	2,754	62	910	20.9	1,504	74	446	29	8	
Other business services	13,006	7,690	-214	3,814	173.7	2,968	648	515	22	62	
Motion pictures, including television tape and film	11,541	4,722	-302	656	23.8	3,050	600	352	17	43	
Engineering, architectural, and surveying services	4,787	3,382	-252	888	26.9	2,402	265	262	188	48	
Accounting, research, management, and related services	1,932	1,652	-47	561	17.3	729	145	159	3	2	
Health services	779	809	21	386	24.1	658	(P)	39	0	0	
Other services	9,657	3,849	41	897	46.6	6,487	(P)	3,956	19	10	
Other industries	63,905	46,643	50	10,885	324.2	45,862	4,676	4,779	1,555	465	
Agriculture, forestry, and fishing	4,468	2,130	-18	406	19.1	3,250	1,211	285	194	(P)	
Mining	19,533	8,481	578	1,747	43.6	15,581	158	1,429	1,183	195	
Coal	2,349	1,550	-1	355	7.3	2,005	30	148	206	10	
Other	17,185	6,931	579	1,391	36.3	13,576	128	1,281	977	185	
Construction	8,277	13,612	-117	2,926	77.2	2,727	536	550	167	78	
Transportation	22,405	19,568	-25	4,965	146.2	20,095	2,122	1,865	5	(P)	
Communication and public utilities	9,222	2,852	-368	842	38.2	4,210	648	650	6	45	

^P Suppressed to avoid disclosure of data of individual companies.

* Less than \$500,000.

1. See footnote 4 in text.

NOTE.—Estimates for 1989 are preliminary.

Table 12.1—Selected Data of Nonbank U.S. Affiliates, by Country and Industry of Ultimate Beneficial Owner, 1988

	Millions of dollars					Thousands of employees	Millions of dollars				
	Total assets	Sales	Net income	Employee compensation	Gross property, plant, and equipment		Of which:		Expenditures for new plant and equipment	U.S. merchandise exports shipped by affiliates	U.S. merchandise imports shipped to affiliates
							Total	Commercial property ¹			
All countries, all industries	1,200,823	886,407	12,049	119,588	3,844.2	418,069	104,048	57,036	69,541	155,533	
By country											
Canada	178,357	109,099	2,689	21,215	737.9	89,976	23,472	10,857	5,858	9,298	
Europe	584,587	460,813	7,710	70,233	2,301.3	224,229	40,745	29,535	30,821	55,804	
Austria	2,108	2,294	-8	292	9.4	493	71	44	144	847	
Belgium	36,534	16,839	343	2,444	73.3	7,375	1,416	1,424	241	1,119	
Denmark	1,656	2,371	4	527	55.0	1,006	202	227	42	702	
Finland	3,165	1,991	-61	327	11.5	1,027	146	122	58	201	
France	49,327	59,675	73	7,959	237.7	23,129	3,171	2,384	11,026	7,032	
Germany, Federal Republic of	70,755	82,284	888	12,773	391.6	31,005	5,740	4,576	5,497	16,082	
Ireland	3,464	4,381	302	952	26.5	2,062	180	165	77	(^D)	
Italy	22,510	13,494	370	1,223	32.4	3,088	640	416	1,862	1,417	
Liechtenstein	3,264	4,366	-43	716	32.3	1,537	346	277	66	(^D)	
Luxembourg	2,209	2,159	-58	293	14.7	905	293	107	37	587	
Netherlands	75,728	59,235	1,184	8,199	285.2	50,912	7,613	5,243	2,752	4,951	
Norway	2,184	2,113	63	249	7.7	725	223	120	95	416	
Spain	536	644	6	60	2.9	249	164	91	4	128	
Sweden	17,526	18,267	479	2,915	101.2	6,599	387	2,848	1,087	4,794	
Switzerland	84,767	46,565	688	7,653	195.0	15,808	2,998	2,033	2,941	5,210	
United Kingdom	207,829	142,953	3,546	23,572	822.2	77,803	16,728	9,432	4,729	11,461	
Other	1,025	1,183	-66	77	2.7	507	426	26	163	617	
Latin America and Other Western Hemisphere	25,814	25,640	283	4,733	119.3	10,916	3,504	1,390	2,255	4,921	
South and Central America	15,755	14,640	575	2,528	52.6	5,024	1,379	564	1,808	4,329	
Brazil	(^D)	993	183	66	1.6	166	72	35	(^D)	186	
Mexico	1,221	1,398	-22	83	3.1	542	299	97	84	803	
Panama	3,794	3,709	5	1,218	29.5	2,534	544	157	266	523	
Venezuela	3,251	6,604	294	401	13.6	1,365	158	189	74	(^D)	
Other	(^D)	1,935	115	760	4.7	417	306	88	(^D)	(^D)	
Other Western Hemisphere	10,059	11,000	-292	2,205	66.7	5,892	2,126	825	447	592	
Bahamas	1,143	1,045	-13	103	3.0	721	435	174	(^D)	(^D)	
Bermuda	4,449	6,884	-186	1,084	38.8	1,655	542	306	76	264	
Netherlands Antilles	3,048	2,423	-98	898	20.1	3,055	907	278	(^D)	(^D)	
United Kingdom Islands, Caribbean	916	555	1	114	4.6	400	189	63	14	38	
Other	502	93	4	7	.3	61	53	4	18	7	
Africa	9,360	6,536	67	973	23.0	8,412	327	669	490	785	
South Africa	3,564	4,221	157	588	16.0	2,186	(^D)	210	(^D)	700	
Other	5,796	2,315	-90	385	7.1	6,226	(^D)	459	(^D)	85	
Middle East	33,159	8,021	-340	1,067	44.2	15,126	9,829	1,228	252	770	
Israel	1,399	642	5	105	3.0	113	54	11	46	209	
Kuwait	9,882	2,158	-206	309	13.5	7,646	4,711	472	(^D)	68	
Lebanon	737	600	-46	162	5.3	477	253	35	26	2	
Saudi Arabia	19,357	4,014	-33	379	16.4	5,251	3,545	565	98	(^D)	
United Arab Emirates	1,226	279	-66	38	1.9	1,264	1,079	115	9	28	
Other	558	329	4	74	4.1	375	187	29	(^D)	(^D)	
Asia and Pacific	337,892	263,160	240	20,262	584.4	66,271	25,084	12,911	29,458	83,810	
Australia	28,072	14,610	-140	2,867	97.6	10,994	2,818	1,432	273	483	
Hong Kong	9,603	3,101	-77	519	20.5	2,286	1,642	319	43	532	
Japan	289,187	231,915	553	15,915	427.1	48,603	18,695	10,492	26,400	77,688	
Korea, Republic of	4,718	8,028	-19	220	6.1	899	99	247	1,806	4,649	
Malaysia	329	403	9	73	2.8	182	74	46	(^D)	43	
New Zealand	3,524	3,086	27	512	24.1	1,520	755	115	108	100	
Philippines	257	131	-13	18	.8	262	193	21	10	19	
Singapore	661	169	-34	33	1.0	582	488	66	6	11	
Taiwan	866	930	-62	68	2.3	36	(^D)	(^D)	208	175	
Other	677	787	-3	37	2.0	(^D)	284	(^D)	(^D)	110	
United States	31,654	13,138	1,400	1,105	34.1	3,138	1,087	447	405	146	
Addenda:											
European Communities (12) ²	471,038	384,113	6,593	58,018	1,942.1	197,916	36,518	24,074	26,274	43,583	
OPEC ³	39,167	15,833	-15	1,462	53.3	21,438	9,650	1,757	1,221	3,081	
By industry											
Government and government-related entities	48,970	34,094	-71	4,625	120.3	29,547	8,760	2,542	5,091	7,841	
Individuals, estates, and trusts	160,075	113,442	1,335	15,666	626.7	57,118	26,900	6,992	10,469	7,136	
Petroleum	70,154	52,931	2,281	5,388	122.5	78,428	4,623	7,103	1,408	4,939	
Agriculture	841	1,005	32	128	6.6	561	241	104	151	267	
Mining	16,394	15,004	767	2,099	60.4	10,079	392	1,551	1,061	2,392	
Construction	8,755	9,743	-37	2,003	63.6	4,144	1,612	713	16	38	
Manufacturing	334,077	365,929	7,717	59,607	1,794.8	155,442	12,762	24,000	22,294	100,683	
Transportation, communication, and public utilities	19,822	17,699	-72	4,522	127.9	14,579	4,685	2,068	735	940	
Wholesale and retail trade	50,830	165,110	654	6,996	379.4	12,963	5,272	2,081	27,747	30,192	
Banking	150,271	27,441	-269	3,222	30.5	1,639	528	327	21	53	
Other finance and insurance	271,033	60,420	383	8,680	202.3	14,637	8,515	2,460	358	902	
Real estate	39,333	8,074	-254	979	40.9	29,515	25,960	5,440	(*)	7	
Services	30,268	15,516	-418	5,673	268.2	9,416	3,798	1,656	191	144	

^D Suppressed to avoid disclosure of data of individual companies.

* Less than \$500,000.

1. See footnote 4 in the text.

2. The European Communities (12) consists of Belgium, Denmark, France, Germany (Federal Republic of), Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, and the United Kingdom.

3. OPEC is the Organization of Petroleum Exporting Countries. Its members are Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.

NOTE.—Estimates for 1988 are revised.

Table 12.2—Selected Data of Nonbank U.S. Affiliates, by Country and Industry of Ultimate Beneficial Owner, 1989

	Millions of dollars					Thousands of employees	Millions of dollars				
	Total assets	Sales	Net income	Employee compensation	Gross property, plant, and equipment		Of which:		Expenditures for new plant and equipment	U.S. merchandise exports shipped by affiliates	U.S. merchandise imports shipped to affiliates
							Total	Commercial property ¹			
All countries, all industries	1,402,174	1,040,887	11,808	140,592	4,440.1	482,035	120,532	66,555	84,263	169,745	
By country											
Canada	200,970	117,462	3,635	22,302	755.3	98,559	25,431	12,787	5,996	10,776	
Europe	685,943	537,891	5,908	82,833	2,635.7	252,234	45,352	30,053	37,421	58,734	
Austria	2,015	1,673	-31	279	7.9	455	67	40	87	404	
Belgium	33,281	18,425	473	2,232	75.7	7,726	1,145	854	268	1,308	
Denmark	1,775	2,689	-21	736	54.6	1,177	202	106	50	627	
Finland	3,806	3,177	-165	444	14.9	1,287	134	143	98	303	
France	57,168	71,939	-221	9,418	264.2	26,586	3,613	3,048	13,585	7,386	
Germany, Federal Republic of	87,347	92,757	849	14,568	435.5	34,846	5,917	5,002	5,990	16,840	
Ireland	3,886	4,410	31	1,158	27.6	2,181	196	52	169	7	
Italy	24,828	15,336	51	1,424	36.2	3,369	504	480	1,638	1,308	
Liechtenstein	3,637	4,429	-83	674	33.8	1,822	522	282	75	141	
Luxembourg	1,968	2,287	-53	361	15.8	828	255	75	76	635	
Netherlands	86,754	68,113	1,002	9,367	316.0	54,800	9,144	4,930	2,859	6,743	
Norway	2,227	2,157	46	268	8.1	870	250	157	140	439	
Spain	1,599	715	26	86	3.6	278	188	39	5	140	
Sweden	19,582	19,755	318	3,290	103.3	6,604	592	3,125	1,187	4,676	
Switzerland	100,959	59,146	624	9,952	254.8	18,947	3,291	2,282	4,251	4,839	
United Kingdom	254,108	169,749	3,078	28,501	980.9	89,926	18,877	9,403	6,814	12,324	
Other	1,002	1,134	-16	78	2.8	534	454	37	131	612	
Latin America and Other Western Hemisphere	34,352	33,196	485	6,311	226.6	14,251	4,853	1,813	2,630	6,045	
South and Central America	23,429	20,808	573	4,194	167.4	7,952	2,333	1,153	2,012	5,045	
Brazil	(P)	1,035	326	70	1.6	191	74	50	134	186	
Mexico	2,571	2,543	-34	430	11.5	1,031	298	44	131	821	
Panama	7,359	7,113	-75	(P)	(P)	4,197	1,465	350	331	544	
Venezuela	4,706	7,862	265	404	14.5	2,095	160	620	141	2,886	
Other	(P)	2,256	92	(P)	(P)	438	337	90	1,274	609	
Other Western Hemisphere	10,924	12,388	-88	2,117	59.2	6,298	2,520	661	619	999	
Bahamas	1,100	1,047	-11	95	2.8	873	114	114	(P)	213	
Bermuda	4,872	7,640	2	872	30.4	1,894	612	250	166	513	
Netherlands Antilles	2,759	2,469	-15	859	16.9	2,893	904	202	(P)	72	
United Kingdom Islands, Caribbean	1,708	1,162	-64	284	8.8	738	466	91	82	194	
Other	485	71	(*)	6	2	63	55	4	19	7	
Africa	6,532	5,618	42	715	17.9	5,878	421	813	649	839	
South Africa	3,384	3,975	-69	548	13.4	2,248	116	213	504	751	
Other	3,148	1,643	111	167	4.5	3,629	305	599	145	88	
Middle East	34,312	17,843	3	1,319	38.9	15,194	9,723	1,481	306	4,092	
Israel	1,278	1,047	-12	119	2.9	140	15	15	51	266	
Kuwait	9,394	2,291	-90	376	12.3	7,172	4,435	475	(P)	(P)	
Lebanon	799	647	-63	176	5.4	530	245	42	43	3	
Saudi Arabia	20,967	13,738	257	583	13.9	5,557	3,533	848	(P)	(P)	
United Arab Emirates	1,264	303	-75	42	1.9	1,299	1,124	82	14	30	
Other	610	160	-12	22	2.4	495	376	19	0	0	
Asia and Pacific	403,868	314,581	261	26,034	734.6	92,530	33,502	19,120	36,854	88,632	
Australia	50,697	26,417	6	4,310	153.9	18,545	4,103	2,974	494	739	
Hong Kong	9,752	3,235	-84	528	18.1	2,279	1,759	201	(P)	397	
Japan	328,085	267,013	801	19,446	504.3	65,682	25,520	15,258	32,217	82,631	
Korea, Republic of	5,132	8,083	-186	245	6.0	1,094	234	225	2,347	3,750	
Malaysia	468	529	12	124	4.3	214	87	16	(P)	43	
New Zealand	5,679	6,385	-18	1,147	37.3	3,049	709	241	890	632	
Philippines	263	162	-7	21	8	253	191	23	10	20	
Singapore	722	209	-53	41	1.2	565	488	20	14	14	
Taiwan	1,484	496	-163	60	2.0	182	76	70	168	102	
Other	1,586	2,052	-48	113	6.7	667	335	90	625	302	
United States	36,196	14,294	1,473	1,077	31.1	3,389	1,250	489	407	628	
Addenda:											
European Communities (12) ²	553,143	446,514	5,190	67,865	2,210.8	222,105	40,419	24,001	31,459	47,321	
OPEC ³	39,027	26,087	463	1,607	49.7	18,738	9,443	2,327	1,366	6,992	
By industry											
Government and government-related entities	50,714	47,339	304	5,449	126.5	27,792	8,492	2,922	5,576	11,487	
Individuals, estates, and trusts	178,217	124,500	809	17,210	655.2	60,861	28,522	7,444	11,463	7,636	
Petroleum	68,177	56,485	1,964	4,956	108.7	77,941	4,307	5,180	1,456	6,388	
Agriculture	2,279	1,548	37	222	7.9	661	208	102	146	548	
Mining	22,795	16,987	762	2,456	66.1	14,769	348	1,984	1,640	2,983	
Construction	11,183	12,654	-23	2,367	71.7	4,829	2,214	1,060	47	59	
Manufacturing	427,968	451,191	7,225	73,187	2,134.9	194,821	16,043	29,845	27,511	108,760	
Transportation, communication, and public utilities	26,176	19,764	-322	5,059	140.0	15,545	5,412	2,555	801	1,150	
Wholesale and retail trade	58,900	176,279	522	8,616	447.4	14,873	6,225	2,527	34,113	29,233	
Banking	174,706	30,357	270	2,965	31.2	1,954	632	411	(P)	54	
Other finance and insurance	298,037	75,307	1,010	10,937	324.9	20,251	11,732	3,359	1,153	1,278	
Real estate	47,234	10,143	-132	1,243	53.2	35,277	30,766	6,491	(P)	15	
Services	35,789	18,332	-620	5,925	272.4	12,460	5,631	2,674	237	154	

^P Suppressed to avoid disclosure of data of individual companies.

* Less than \$500,000 (±).

1. See footnote 4 in the text.

2. See footnote 2 to table 12.1.

3. See footnote 3 to table 12.1.

NOTE.—Estimates for 1989 are preliminary.

Table 13.1—Employment by Nonbank U.S. Affiliates, Industry of Sales by Country of Ultimate Beneficial Owner, 1988¹
[Thousands of employees]

	All countries	Canada	Europe						Latin America and Other Western Hemisphere	Africa	Middle East	Asia and Pacific			United States
			Total	Of which:								Total	Of which:		
				France	Germany, Federal Republic of	Netherlands	Switzerland	United Kingdom					Australia	Japan	
All industries	3,844.2	737.9	2,301.3	237.7	391.6	285.2	195.0	822.2	119.3	23.0	44.2	584.4	97.6	427.1	34.1
Petroleum	121.6	20.1	74.6	7.4	1.0	(P)	.4	31.8	12.1	4.4	5.0	1.9	1.3	.5	3.5
Petroleum and coal products manufacturing	81.6	(P)	57.4	2.4	.5	(P)	.1	(P)	2.5	0	(P)	0	0	0	(P)
Other	40.0	(P)	17.2	5.0	.5	1.1	.3	(P)	9.6	4.4	(P)	1.9	1.3	.5	(P)
Manufacturing	1,650.7	246.0	1,081.0	144.1	201.9	102.3	114.1	363.5	47.4	10.4	6.7	247.6	30.4	193.7	11.5
Food and kindred products	176.7	24.8	128.5	17.5	3.9	23.5	35.3	37.6	.6	(P)	0	21.1	9.6	8.5	(P)
Beverages	30.9	(P)	17.1	4.8	1.3	3.0	(P)	5.7	(P)	0	0	10.0	(P)	3.9	0
Other	145.8	(P)	111.3	12.7	2.6	20.5	(P)	31.8	(P)	(P)	0	11.1	(P)	4.6	(P)
Chemicals and allied products	288.7	59.9	204.8	10.8	68.6	22.4	35.9	51.0	5.1	4.0	.7	14.2	1.0	11.7	(*)
Industrial chemicals and synthetics	136.6	(P)	80.7	6.7	39.9	6.1	6.7	16.8	.2	(P)	0	6.2	.6	5.1	(*)
Drugs	67.5	(P)	58.5	.2	14.0	(P)	(P)	16.2	(P)	0	.4	3.4	.1	3.3	0
Soap, cleaners, and toilet goods	29.2	(P)	25.0	.3	4.5	(P)	(P)	4.9	(P)	0	.3	2.1	.3	1.8	0
Other	55.4	(P)	40.6	3.6	10.3	4.5	4.6	13.2	(P)	(P)	0	2.5	(*)	1.5	(*)
Primary and fabricated metals	166.7	29.0	83.4	24.6	13.9	2.8	4.3	25.5	11.2	(P)	(P)	32.4	5.5	23.9	7.7
Primary metal industries	81.5	19.4	28.0	(P)	5.1	.3	(P)	9.6	(P)	(P)	(P)	23.4	4.5	17.2	(P)
Ferrous	42.4	5.3	10.7	(P)	2.5	.3	(P)	1.6	(P)	.1	(P)	18.3	(P)	15.8	(P)
Nonferrous	39.1	14.1	17.4	(P)	2.6	0	(P)	8.0	.1	(P)	0	5.1	(P)	1.3	(P)
Fabricated metal products	85.3	9.7	55.4	(P)	8.8	2.4	(P)	15.9	(P)	(P)	(P)	9.0	1.0	6.8	(P)
Machinery	403.1	40.4	273.7	31.6	44.9	42.5	14.8	83.7	11.5	1.0	1.6	73.1	1.7	65.8	1.8
Machinery, except electrical	159.6	11.5	106.5	11.6	19.6	1.9	8.1	38.7	(P)	.7	1.3	(P)	(P)	27.8	(P)
Office and computing machines	35.2	1.3	21.6	(P)	2.6	1.2	0	9.1	(P)	0	0	(P)	0	7.8	0
Other	124.4	10.3	84.9	(P)	17.1	.6	8.1	29.6	(P)	.7	1.2	(P)	(P)	20.0	(P)
Electric and electronic equipment	243.4	28.9	167.2	20.0	25.2	40.6	6.6	44.9	(P)	.3	.3	(P)	(P)	38.0	(P)
Audio, video, and communications equipment	76.8	(P)	38.5	(P)	5.5	(P)	(P)	4.5	(P)	(*)	(*)	13.3	(P)	12.1	(P)
Electronic components and accessories	69.4	2.0	46.2	(P)	10.6	(P)	1.3	13.6	(P)	.3	.3	(P)	0	18.0	(P)
Other	97.3	(P)	82.4	3.9	9.1	16.2	(P)	26.8	0	0	0	(P)	0	7.8	(*)
Other manufacturing	615.5	91.8	390.5	59.6	70.6	11.1	23.9	165.7	18.9	3.4	(P)	106.9	12.6	83.8	(P)
Textile products and apparel	50.0	7.1	30.3	2.7	4.8	.8	2.1	17.2	2.7	0	.3	9.6	(P)	4.8	0
Lumber, wood, furniture, and fixtures	28.6	3.8	17.7	.8	6.7	0	.7	4.5	(P)	0	0	6.0	(P)	.5	0
Paper and allied products	46.6	9.8	31.7	.7	1.6	(P)	1.0	6.5	(P)	.3	.7	3.7	0	3.7	(P)
Printing and publishing	95.2	36.6	44.6	(P)	11.7	2.3	(P)	19.4	1.3	1.2	(P)	11.1	4.1	6.8	.4
Newspapers	19.9	17.2	.8	0	(*)	0	0	.7	(P)	0	(*)	(P)	(P)	(*)	0
Other	75.2	19.4	43.9	(P)	11.6	2.3	(P)	18.7	(P)	1.2	0	(P)	(P)	6.7	.4
Rubber products	50.4	(P)	26.9	(P)	(P)	(P)	(P)	1.6	0	0	0	(P)	0	0	0
Miscellaneous plastics products	42.7	11.3	26.5	6.4	(P)	.7	(P)	10.6	.8	0	.2	3.9	.1	2.9	0
Stone, clay, and glass products	89.5	(P)	63.4	13.2	8.3	1.4	3.9	30.1	(P)	.3	(*)	17.3	4.6	12.4	(P)
Transportation equipment	89.8	7.2	54.7	18.2	13.7	.4	1.9	14.5	(P)	.2	0	25.4	0	24.4	(*)
Motor vehicles and equipment	63.1	5.1	32.9	(P)	11.8	0	(P)	8.3	(*)	.2	0	24.8	0	24.3	0
Other transportation equipment	26.7	2.1	21.9	(P)	1.9	.4	(P)	6.2	(P)	0	0	.5	0	(*)	0
Instruments and related products	85.0	7.7	64.5	1.8	8.6	.4	5.9	44.5	5.2	1.4	.1	6.2	(*)	5.0	0
Other	37.7	1.8	30.1	3.8	1.0	(P)	1.6	16.8	(P)	0	(*)	.2	(P)	(P)	0
Wholesale trade	286.7	16.0	174.2	21.2	44.7	17.6	15.8	48.6	6.7	2.6	2.2	84.6	3.1	76.7	.4
Motor vehicles and equipment	38.9	.5	17.9	3.3	7.0	(P)	.1	3.3	(P)	(P)	.8	16.5	.2	15.2	0
Professional and commercial equipment and supplies	41.1	.4	21.6	2.0	12.7	.3	4.3	1.1	.1	0	.1	18.9	0	18.6	(P)
Metals and minerals, except petroleum	12.7	1.3	7.0	.9	2.0	.6	(P)	1.9	.4	.5	0	3.6	.1	3.5	0
Electrical goods	45.7	1.4	20.4	9	(P)	0	1.0	5.2	(P)	.1	.6	21.1	0	20.2	0
Machinery, equipment, and supplies	38.9	3.9	25.7	2.8	5.4	(P)	(P)	6.2	1.1	.2	.4	7.5	(P)	7.3	.1
Other durable goods	28.6	1.0	21.3	1.5	1.5	1.7	2.0	11.2	0	0	.2	6.3	(P)	3.8	0
Groceries and related products	21.1	1.5	17.5	1.8	(P)	2.8	.4	5.8	.8	0	.2	1.3	(P)	1.2	(P)
Farm-product raw materials	7.5	(*)	5.5	3.2	.1	(P)	.5	.5	1	0	0	1.8	(P)	1.8	0
Other nondurable goods	53.3	6.1	37.2	4.9	6.4	3.2	4.1	13.4	(P)	(P)	(P)	7.5	(P)	5.2	.1
Retail trade	762.6	265.0	424.0	23.1	104.4	105.0	10.3	106.7	9.9	.3	5.5	57.6	15.5	27.2	.2
General merchandise stores	223.1	(P)	83.9	(P)	(P)	(P)	(P)	(P)	.6	0	0	(P)	(P)	2.7	0
Food stores	235.4	28.0	198.9	13.1	86.2	(P)	0	(P)	0	0	.2	(P)	(P)	.7	0
Apparel and accessory stores	79.9	32.8	39.3	(P)	(P)	(P)	3.0	(P)	0	0	0	2.8	(P)	.7	.2
Other	224.2	(P)	101.9	8.0	13.1	18.8	.7	46.1	5.2	.3	1.0	(P)	(P)	23.1	.1
Finance, except banking	103.1	7.0	33.0	.7	1.8	(P)	6.0	13.7	1.8	1.2	(P)	56.4	.4	53.6	(P)
Insurance	111.3	10.4	81.0	.1	3.0	14.0	11.9	39.9	2.0	0	(P)	2.9	.4	1.0	(P)
Real estate	31.5	14.6	6.1	.2	.5	1.2	.4	3.2	.8	.1	(P)	8.0	1.9	4.9	(P)
Services	426.5	53.5	271.8	22.6	14.2	8.5	26.7	128.4	23.1	.5	15.9	59.8	13.1	39.8	2.0
Hotels and other lodging places	66.0	3.2	25.1	3.0	.3	2.8	(P)	12.3	(P)	0	7.2	27.4	0	23.8	(P)
Business services	202.6	6.3	159.3	8.1	1.2	4.5	6.8	88.8	19.0	.1	.1	17.3	(P)	6.9	.4
Computer and data processing services	27.7	2.4	19.3	6.0	.9	2.7	(P)	7.1	3.4	0	(*)	2.2	(P)	1.6	.4
Other business services	174.9	4.0	140.0	2.1	.2	1.9	(P)	81.7	15.5	.1	.1	15.1	(P)	5.3	(*)
Motion pictures, including television tape and film	15.8	(P)	2.6	(*)	0	.2	0	2.0	(P)	0	0	(P)	(P)	.1	(*)
Engineering, architectural, and surveying services	25.5	(P)	18.5	(P)	4.5	.5	(P)	4.9	(P)	0	0	.5	0	.4	.1
Accounting, research, management, and related services	27.0	2.8	21.0	.7	1.4	(*)	11.5	6.5	.2	.1	.6	2.1	.1	1.5	.3
Health services	31.3	21.7	5.9	.1	5.3	0	0	.5	0	0	0	(P)	(*)	(P)	0
Other services	58.3	(P)	39.3	(P)	1.4	.4	.4	13.4	1.8	.3	.9	9.1	.5	(P)	(P)
Other industries	269.4	83.4	102.0	18.0	16.2	4.0	5.8	44.3	13.5	3.1	4.2	62.7	31.4	27.1	.5
Agriculture, forestry, and fishing	19.8	1.4	8.8	2.4	1.7	.4	.6	3.0	(P)	.6	.3	(P)	0	1.5	0
Mining	55.6	19.0	26.9	4.9	2.5	2.0	.2	14.9	(*)	2.4	.4	6.5	(P)	.4	.4
Coal	22.8	11.7	8.8	(*)	2.5	(P)	.2	5.5	0	0	.4	(P)	(P)	0	.4
Other	32.8	7.3	18.1	4.9	(*)	(P)	(*)	9.5	(*)	(P)	0	(P)	(P)	.4	0
Construction	63.0	4.8	35.2	7.8	9.2	.3	2.2	11.7	(P)	(P)	0	19.0	2.4	14.2	0
Transportation	117.4	52.6	25.1	.5	2.8	1.3	1.6	12.5	.3	.1	2.7	33.8	21.3	11.1	0
Communication and public utilities	13.6	5.7	6.0	2.4	(*)	0	1.2	2.2	(*)	0	0	(P)	(P)	(*)	.1
Unspecified ²	80.8	21.9	53.7	.3	4.0	(P)	3.5	42.1	2.0	.5	(*)	2.8	(*)	2.6	(*)

^P Suppressed to avoid disclosure of data of individual companies.

* Less than 50 employees.

1. For a discussion of classification by industry of sales, see the text.

2. See footnote 2 to table 2.

NOTE.—Estimates for 1988 are revised.

Table 13.2—Employment by Nonbank U.S. Affiliates, Industry of Sales by Country of Ultimate Beneficial Owner, 1989¹

[Thousands of employees]

	All countries	Canada	Europe						Latin America and Other Western Hemisphere	Africa	Middle East	Asia and Pacific			United States
			Total	Of which:								Total	Of which:		
				France	Germany, Federal Republic of	Netherlands	Switzerland	United Kingdom					Australia	Japan	
All industries	4,440.1	755.3	2,635.7	264.2	435.5	316.0	254.8	980.9	226.6	17.9	38.9	734.6	153.9	504.3	31.1
Petroleum	122.1	21.7	78.9	9.4	2.0	(P)	.4	34.4	11.6	1.4	4.8	3.4	2.7	.4	.2
Petroleum and coal products manufacturing	80.4	(P)	56.0	2.2	1.4	(P)	.1	22.1	3.7	0	(P)	.2	0	(*)	0
Other	41.7	(P)	22.9	7.2	.5	1.1	.3	12.4	7.8	1.4	(P)	3.2	2.7	.4	.2
Manufacturing	1,876.2	255.8	1,227.9	157.2	222.5	115.2	146.4	424.1	54.9	8.5	5.2	314.5	34.9	241.9	9.4
Food and kindred products	195.6	28.6	141.2	19.1	3.9	28.9	29.7	49.0	1.0	.6	0	23.0	5.0	10.0	1.2
Beverages	33.5	(P)	17.7	5.0	1.1	3.0	(P)	6.2	(P)	0	0	9.5	4.2	4.3	0
Other	162.1	(P)	123.5	14.1	2.8	25.9	(P)	42.8	(P)	.6	0	13.5	.8	5.7	1.2
Chemicals and allied products	309.4	52.5	231.9	14.5	77.0	29.4	34.5	61.6	5.3	2.6	.7	16.2	1.0	13.6	.1
Industrial chemicals and synthetics	145.3	(P)	91.9	7.6	41.8	9.7	5.8	22.0	.1	(P)	0	8.4	.6	6.1	(*)
Drugs	79.5	(P)	70.4	2.9	15.7	1.7	19.8	25.2	(P)	0	.4	3.9	.1	3.8	0
Soap, cleaners, and toilet goods	36.6	1.8	32.2	.4	10.4	(P)	(P)	3.1	.1	0	.3	2.2	.3	2.0	0
Other	48.0	(P)	37.3	3.6	9.1	(P)	(P)	11.2	(P)	(P)	0	1.7	(*)	1.7	(*)
Primary and fabricated metals	195.9	28.9	99.7	22.3	14.6	2.9	18.6	27.8	11.2	1.9	(P)	48.1	5.9	39.8	(P)
Primary metal industries	92.6	20.4	28.1	(P)	6.1	.1	4.7	6.9	(P)	1.1	(P)	36.5	5.0	30.0	(P)
Ferrous	50.7	5.0	9.8	(P)	3.0	.1	.1	.4	(P)	(P)	(P)	31.4	1.2	28.6	(P)
Nonferrous	41.9	15.4	18.3	(P)	3.1	0	4.6	6.6	.3	(P)	0	5.1	3.8	1.3	(P)
Fabricated metal products	103.2	8.6	71.6	(P)	8.5	2.8	14.0	20.8	(P)	.8	(P)	11.5	.9	9.9	0
Machinery	478.8	56.2	298.8	37.8	47.2	37.1	27.3	91.5	10.9	1.0	1.7	107.3	6.6	77.9	2.9
Machinery, except electrical	199.4	11.8	124.5	15.6	23.4	2.0	12.7	41.4	(P)	.7	1.4	54.1	1.2	31.2	(P)
Office and computing machines	40.9	1.2	25.3	13.0	2.5	1.2	.3	7.7	2.6	0	(*)	11.7	0	9.6	.1
Other	158.5	10.6	99.2	2.6	20.9	.8	12.4	33.7	(P)	.7	1.4	42.4	1.2	21.5	(P)
Electric and electronic equipment	279.4	44.4	174.3	22.2	23.8	35.1	14.6	50.1	(P)	.3	.3	53.2	5.4	46.8	(P)
Audio, video, and communications equipment	73.5	(P)	33.1	(P)	1.9	(P)	4.3	4.6	(P)	(*)	(*)	7.4	(P)	15.0	(*)
Electronic components and accessories	77.3	2.8	50.0	4.7	12.5	(P)	(P)	15.5	(P)	.2	.3	20.9	0	20.4	(P)
Other	128.6	(P)	91.1	(P)	9.4	(P)	(P)	29.9	0	0	0	(P)	(P)	11.4	(*)
Other manufacturing	696.6	89.5	456.3	63.5	79.9	16.9	36.2	194.3	26.4	2.5	(P)	119.9	16.4	100.6	(P)
Textile products and apparel	58.6	8.8	41.0	3.4	6.6	1.0	2.4	23.3	(P)	0	(P)	6.6	0	6.1	0
Lumber, wood, furniture, and fixtures	22.9	3.6	17.1	.8	5.9	0	.7	4.4	(P)	0	.2	(P)	.3	.5	0
Paper and allied products	46.4	8.2	32.6	.7	1.7	(P)	1.1	6.9	(P)	0	(P)	4.7	(P)	3.8	0
Printing and publishing	107.1	38.0	55.0	(P)	14.2	(P)	(P)	23.5	(P)	0	(*)	13.1	5.9	7.2	(P)
Newspapers	20.8	18.3	.5	0	(*)	0	0	.4	(P)	0	0	(P)	(P)	(*)	0
Other	86.3	19.6	54.5	(P)	14.2	(P)	(P)	23.1	(P)	0	0	(P)	(P)	7.2	(P)
Rubber products	56.4	3.2	29.5	(P)	(P)	(P)	(*)	4.4	0	0	0	23.7	(P)	22.2	0
Miscellaneous plastics products	44.6	9.0	30.1	5.9	4.7	1.6	.9	12.3	(P)	(P)	(P)	3.8	.1	3.7	0
Stone, clay, and glass products	105.8	(P)	69.7	13.1	8.3	3.1	5.4	32.4	(P)	(P)	(*)	20.1	7.2	12.6	0
Transportation equipment	104.0	(P)	62.5	19.2	13.9	.4	1.9	20.4	(P)	0	0	33.2	0	33.2	(*)
Motor vehicles and equipment	72.3	5.8	33.1	(P)	12.2	0	(P)	8.7	0	.2	0	33.2	0	33.2	0
Other transportation equipment	31.7	(P)	29.4	(P)	1.7	.4	(P)	11.7	(P)	0	0	(P)	0	(*)	(*)
Instruments and related products	105.7	7.9	83.7	3.9	11.9	(P)	14.6	43.9	5.1	1.5	.1	7.4	(*)	5.9	0
Other	45.1	1.4	35.0	4.1	(P)	.1	(P)	22.7	(P)	0	(*)	(P)	.8	5.5	0
Wholesale trade	308.8	15.3	187.2	18.5	52.1	15.6	16.8	59.2	8.3	2.8	2.6	91.8	4.1	82.0	.7
Motor vehicles and equipment	42.3	(P)	18.3	2.6	7.6	.5	0	3.6	(P)	0	.8	19.1	(P)	17.0	.3
Professional and commercial equipment and supplies	39.9	.5	20.9	.3	12.6	1.1	4.1	1.4	.1	0	.1	18.2	0	17.7	(*)
Metals and minerals, except petroleum	14.4	1.3	7.9	1.2	2.0	.6	.1	2.4	.4	.5	(*)	4.2	(P)	3.6	0
Electrical goods	46.4	(P)	20.9	.8	10.4	1.1	.9	5.0	1.2	.3	.6	23.3	0	22.2	0
Machinery, equipment, and supplies	40.5	3.8	26.6	2.8	5.0	4.3	2.3	5.9	1.2	.3	.3	8.2	(*)	7.6	.1
Other durable goods	34.8	1.1	24.8	1.4	2.1	1.9	1.4	14.8	.9	.6	.7	7.4	2.2	4.8	0
Groceries and related products	24.5	1.6	19.3	1.6	2.0	.4	.4	8.1	1.4	.1	.1	2.1	(*)	2.0	(*)
Farm-product raw materials	8.2	.1	6.0	3.2	.1	.3	.1	1.2	.1	0	0	2.0	(*)	2.0	0
Other nondurable goods	57.8	(P)	42.5	4.5	(P)	3.7	(P)	16.9	(P)	(P)	(*)	7.3	(P)	5.0	.2
Retail trade	947.3	261.7	499.8	28.3	112.0	119.6	11.1	148.9	118.0	.3	4.7	62.6	19.5	35.2	.2
General merchandise stores	234.9	119.8	96.9	(P)	(P)	(P)	(P)	(P)	.6	0	(P)	(P)	(P)	5.1	0
Food stores	247.4	30.4	208.9	8.5	93.0	(P)	0	(P)	(P)	0	(P)	6.5	(P)	(P)	0
Apparel and accessory stores	99.0	35.0	47.8	(P)	(P)	(P)	4.1	7.0	2.7	0	2.1	11.1	(P)	(P)	.2
Other	366.1	76.5	146.2	15.0	13.1	20.6	(P)	79.1	(P)	.3	.4	(P)	(P)	24.4	.1
Finance, except banking	100.1	5.2	31.1	.7	.9	(P)	6.1	14.6	(P)	(*)	2.7	58.2	.5	55.2	(P)
Insurance	122.4	10.4	89.9	.1	3.0	15.3	17.3	41.5	(P)	(P)	.4	3.3	.4	1.3	(P)
Real estate	30.4	15.7	6.2	.2	.5	1.3	.4	3.1	.9	.1	1.5	6.0	1.9	3.0	(*)
Services	474.5	52.7	317.1	28.3	16.3	9.6	40.9	147.9	13.9	.8	12.6	75.4	16.3	48.8	1.9
Hotels and other lodging places	84.5	(P)	30.5	3.2	.3	(P)	(P)	13.6	2.2	.2	6.2	40.4	.4	32.9	(P)
Business services	218.3	8.1	182.2	17.9	2.5	5.1	8.2	98.2	8.3	.1	.2	19.2	(P)	6.7	.2
Computer and data processing services	38.8	3.0	29.3	9.0	1.6	3.2	(P)	10.8	(P)	0	0	3.1	(P)	2.4	0
Other business services	179.5	5.1	152.9	8.9	.9	1.9	(P)	87.3	(P)	.1	(P)	16.1	(P)	4.2	(*)
Motion pictures, including television tape and film	14.8	(P)	0	0	.2	0	0	2.9	.2	0	0	2.4	(P)	.1	(*)
Engineering, architectural, and surveying services	37.6	1.8	30.2	3.9	6.0	.4	11.3	6.5	(*)	0	(P)	(P)	0	.7	.1
Accounting, research, management, and related services	36.0	3.8	29.0	.8	1.4	.3	12.7	12.7	.1	(*)	(P)	(P)	.3	(P)	(P)
Health services	27.1	20.9	(P)	.1	(P)	0	0	.5	0	0	0	(P)	(*)	(P)	0
Other services	56.3	5.8	36.4	2.4	(P)	(P)	(P)	13.6	3.2	.4	.8	9.6	1.0	6.1	.1
Other industries	366.7	86.2	142.7	20.6	21.7	4.3	10.8	69.6	13.7	3.3	4.3	115.6	73.5	32.9	1.0
Agriculture, forestry, and fishing	29.7	1.7	16.7	2.3	7.7	1.3	.8	3.8	(P)	.8	(P)	3.8	0	3.6	0
Mining	69.6	21.6	37.2	6.9	1.3	1.7	.2	25.7	(*)	2.5	.5	7.5	5.9	1.7	.3
Coal	20.9	11.6	7.4	(*)	1.2	.3	.2	5.5	0	.3	.5	.7	.7	0	.3
Other	48.7	10.0	29.9	6.8	(*)	1.4	(*)	20.1	(*)	2.1	0	6.8	5.1	1.7	0
Construction	79.2	5.4	45.9	8.3	9.7	.5	7.6	15.9	(P)	(P)	(P)	23.4	(P)	16.4	0
Transportation	167.8	52.0	31.3	.6	3.0	.9	1.2	16.3	(P)	.1	2.7	77.7	62.2	11.1	(P)
Communication and public utilities	20.4	5.4	11.6	2.5	(*)	0	.9	8.0	(P)	0	.1	3.1	(P)	(*)	(P)
Unspecified²	91.5	3													

Table 14.1—Total Assets of Nonbank U.S. Affiliates, Industry of Affiliate by Country of Ultimate Beneficial Owner, 1988
[Millions of dollars]

	All countries	Canada	Europe						Latin America and Other Western Hemisphere	Africa	Middle East	Asia and Pacific			United States
			Total	Of which:								Total	Of which:		
				France	Germany, Federal Republic of	Netherlands	Switzerland	United Kingdom					Australia	Japan	
All industries	1,200,823	178,357	584,587	49,327	70,755	75,728	84,767	207,829	25,814	9,360	33,159	337,892	28,072	289,187	31,654
Petroleum	84,006	4,362	66,371	5,018	1,065	^(P)	348	25,218	2,361	5,070	^(P)	^(P)	^(P)	926	504
Petroleum and coal products manufacturing	62,290	^(P)	56,835	^(P)	^(P)	^(P)	18	4,339	^(P)	0	^(P)	0	0	0	^(P)
Other	21,715	^(P)	9,536	^(P)	^(P)	^(P)	331	^(P)	^(P)	5,070	419	^(P)	^(P)	926	^(P)
Manufacturing	294,030	56,960	183,866	26,936	32,078	16,319	18,402	67,348	6,409	1,967	709	42,511	5,748	33,019	1,609
Food and kindred products	31,641	^(P)	20,401	2,109	198	1,526	^(P)	8,821	117	118	0	^(P)	1,672	1,280	^(P)
Beverages	14,417	^(P)	6,128	1,204	59	^(P)	9	4,339	14	0	0	^(P)	^(P)	587	0
Other	17,224	^(P)	14,274	905	139	^(P)	^(P)	4,483	103	118	0	^(P)	^(P)	694	^(P)
Chemicals and allied products	86,408	^(P)	53,227	3,854	16,129	^(P)	7,152	11,448	^(P)	154	^(P)	^(P)	54	3,760	8
Industrial chemicals and synthetics	58,980	^(P)	28,487	^(P)	12,959	^(P)	65	7,102	^(P)	154	0	^(P)	0	2,405	2
Drugs	12,586	^(P)	11,290	0	618	2	6,473	3,297	^(P)	0	^(P)	506	37	469	0
Soap, cleaners, and toilet goods	10,313	112	9,474	^(P)	2,113	^(P)	^(P)	^(P)	^(P)	0	^(P)	689	^(P)	676	0
Other	4,528	170	3,976	^(P)	439	^(P)	^(P)	^(P)	61	0	0	316	^(P)	210	5
Primary and fabricated metals	33,557	5,057	15,836	^(P)	2,202	289	854	3,331	^(P)	^(P)	^(P)	7,925	^(P)	4,260	^(P)
Primary metal industries	17,553	3,612	4,847	^(P)	690	^(P)	^(P)	2,225	3	^(P)	0	6,691	^(P)	3,308	^(P)
Ferrous	6,788	^(P)	1,469	^(P)	359	0	0	151	0	0	0	3,803	^(P)	2,910	^(P)
Nonferrous	10,765	^(P)	3,379	^(P)	331	0	0	2,075	3	0	0	2,888	^(P)	398	0
Fabricated metal products	16,004	1,445	10,988	^(P)	1,512	^(P)	^(P)	1,106	^(P)	^(P)	^(P)	1,233	^(P)	952	2
Machinery	51,302	4,485	34,973	3,489	6,237	^(P)	^(P)	13,510	622	^(P)	^(P)	10,577	218	9,675	349
Machinery, except electrical	22,848	718	14,909	^(P)	1,692	122	758	9,210	619	^(P)	132	6,316	^(P)	5,673	^(P)
Office and computing machines	5,389	^(P)	2,520	^(P)	295	61	0	996	0	0	0	2,246	0	673	0
Other	17,459	^(P)	12,389	61	1,397	61	758	8,214	^(P)	^(P)	112	4,070	^(P)	600	0
Electric and electronic equipment	28,454	3,767	20,063	^(P)	4,545	^(P)	^(P)	4,300	3	^(P)	^(P)	4,260	^(P)	4,002	^(P)
Audio, video, and communications equipment	10,345	^(P)	6,542	^(P)	^(P)	^(P)	^(P)	^(P)	0	1	0	^(P)	^(P)	407	1
Electronic components and accessories	6,146	94	2,807	^(P)	^(P)	83	59	^(P)	3	10	10	2,901	0	2,872	^(P)
Other	11,963	^(P)	10,714	265	^(P)	^(P)	^(P)	2,844	0	0	0	^(P)	0	723	16
Other manufacturing	91,123	11,768	59,429	^(P)	7,312	1,236	2,858	30,238	2,540	97	^(P)	16,642	^(P)	14,044	^(P)
Textile products and apparel	5,420	1,330	3,067	^(P)	305	86	165	1,904	^(P)	0	^(P)	903	^(P)	689	0
Lumber, wood, furniture, and fixtures	1,773	81	1,253	^(P)	246	0	129	560	0	0	5	434	^(P)	104	0
Paper and allied products	7,501	1,951	4,419	27	300	^(P)	92	582	29	0	0	966	0	966	0
Printing and publishing	14,287	5,636	7,669	^(P)	2,286	^(P)	^(P)	1,659	^(P)	0	^(P)	761	^(P)	329	^(P)
Newspapers	3,718	3,706	8	0	2	0	0	2	3	0	^(P)	1	0	1	0
Other	10,569	1,930	7,661	^(P)	2,284	^(P)	^(P)	1,657	^(P)	0	0	760	^(P)	328	^(P)
Rubber products	7,559	^(P)	1,999	^(P)	^(P)	8	^(P)	^(P)	0	0	0	^(P)	0	0	0
Miscellaneous plastics products	3,545	808	1,636	191	407	^(P)	53	312	37	0	0	1,064	8	395	0
Stone, clay, and glass products	20,320	218	16,158	4,758	1,107	^(P)	1,156	7,800	^(P)	0	0	3,363	519	2,790	0
Transportation equipment	8,990	521	4,565	2,108	485	^(P)	23	1,544	1	0	0	3,770	0	3,544	0
Motor vehicles and equipment	6,731	^(P)	2,699	^(P)	347	0	23	455	0	0	0	^(P)	0	3,540	0
Other transportation equipment	2,259	^(P)	1,866	^(P)	138	0	0	1,090	1	0	0	^(P)	0	4	0
Instruments and related products	7,902	109	5,676	174	817	6	390	4,196	^(P)	95	0	5	5	308	0
Other	13,825	^(P)	12,987	396	^(P)	6	^(P)	^(P)	1	0	0	343	0	0	0
Wholesale trade	119,057	4,636	49,171	7,945	11,633	1,758	^(P)	15,300	1,512	1,170	623	61,477	683	56,771	468
Motor vehicles and equipment	32,624	47	12,081	^(P)	6,481	8	^(P)	1,004	57	^(P)	^(P)	20,304	^(P)	19,308	0
Professional and commercial equipment and supplies	8,012	35	1,778	42	494	69	750	0	7	0	59	6,130	0	5,989	3
Metals and minerals, except petroleum	13,714	1,115	4,514	802	1,499	^(P)	552	357	310	^(P)	^(P)	7,299	^(P)	6,509	0
Electrical goods	15,330	36	2,728	237	82	59	60	2,007	43	0	125	12,392	0	11,053	6
Machinery, equipment, and supplies	16,319	751	5,651	234	1,393	^(P)	792	1,435	362	^(P)	102	9,090	18	9,057	^(P)
Other durable goods	8,105	157	5,273	145	343	42	525	3,489	122	0	0	2,553	^(P)	2,192	0
Groceries and related products	4,166	199	3,028	147	822	250	84	1,445	272	63	50	536	0	493	17
Farm-product raw materials	7,323	3	5,743	^(P)	45	40	^(P)	^(P)	46	10	0	1,522	^(P)	1,435	0
Other nondurable goods	13,464	2,293	8,375	908	474	453	105	5,085	294	^(P)	0	1,651	^(P)	735	^(P)
Retail trade	39,838	18,111	17,359	696	4,346	^(P)	778	3,824	1,370	6	509	2,479	1,333	544	4
General merchandise stores	17,658	^(P)	2,868	^(P)	^(P)	^(P)	^(P)	1,428	^(P)	0	0	1,428	^(P)	77	0
Food stores	8,562	^(P)	6,941	359	2,936	^(P)	0	^(P)	^(P)	0	0	464	^(P)	0	0
Apparel and accessory stores	4,067	1,953	1,576	^(P)	38	^(P)	^(P)	157	^(P)	0	0	51	4	0	2
Other	9,550	2,092	5,973	169	^(P)	677	86	3,225	^(P)	6	0	537	^(P)	193	2
Finance, except banking	353,018	14,275	134,434	4,363	7,513	1,764	^(P)	42,468	7,195	^(P)	^(P)	184,969	^(P)	172,061	295
Insurance	141,767	39,577	70,537	365	6,132	15,004	10,604	23,914	597	0	0	0	0	879	0
Real estate	80,070	22,715	22,868	475	2,769	4,796	1,268	10,701	2,922	0	9,500	20,700	1,597	16,218	0
Services	49,142	2,658	25,166	975	2,791	1,274	1,890	13,441	2,178	2	6,780	12,115	4,770	6,304	242
Hotels and other lodging places	9,915	130	2,611	414	19	^(P)	125	1,092	^(P)	0	633	6,225	0	5,411	^(P)
Business services	14,684	656	11,320	244	80	172	^(P)	9,356	^(P)	0	^(P)	654	^(P)	372	36
Computer and data processing services	2,144	267	1,702	105	73	75	^(P)	526	96	0	8	57	25	24	15
Other business services	12,540	390	9,618	139	7	96	335	8,830	^(P)	0	^(P)	597	^(P)	348	21
Motion pictures, including television tape and film	8,021	^(P)	2,398	2	5	^(P)	13	1,645	83	0	0	^(P)	^(P)	31	7
Engineering, architectural, and surveying services	4,689	^(P)	1,269	115	100	32	^(P)	90	3	0	0	^(P)	^(P)	79	2
Accounting, research, management, and related services	3,735	47	885	121	59	11	57	429	18	2	^(P)	^(P)	^(P)	238	^(P)
Health services	992	^(P)	315	0	^(P)	0	0	12	0	0	0	1	1	0	0
Other services	7,106	223	6,												

Table 14.2—Total Assets of Nonbank U.S. Affiliates, Industry of Affiliate by Country of Ultimate Beneficial Owner, 1989
[Millions of dollars]

	All countries	Canada	Europe						Latin America and Other Western Hemisphere	Africa	Middle East	Asia and Pacific			United States
			Total	Of which:								Total	Of which:		
				France	Germany, Federal Republic of	Netherlands	Switzerland	United Kingdom					Australia	Japan	
All industries	1,402,174	200,970	685,943	57,168	87,347	86,754	100,959	254,108	34,352	6,532	34,312	403,868	50,697	328,085	36,196
Petroleum	91,381	4,780	65,986	6,779	1,213	^(D)	533	22,465	3,890	^(D)	6,105	^(D)	^(D)	1,113	813
Petroleum and coal products manufacturing	63,181	^(D)	55,207	^(D)	^(D)	^(D)	^(D)	533	3,178	^(D)	0	^(D)	0	0	^(D)
Other	28,200	^(D)	10,779	^(D)	^(D)	737	^(D)	^(D)	713	^(D)	^(D)	7,489	^(D)	1,113	^(D)
Manufacturing	367,452	64,436	233,870	30,224	36,940	20,614	25,331	94,809	7,511	2,523	1,115	56,754	7,740	43,508	1,243
Food and kindred products	43,499	^(D)	29,409	2,475	226	1,655	^(D)	17,610	191	128	0	^(D)	1,870	1,837	^(D)
Beverages	13,564	^(D)	3,914	1,278	74	569	10	1,975	28	0	0	^(D)	^(D)	676	0
Other	29,935	^(D)	25,495	1,197	151	1,086	^(D)	15,635	163	128	0	^(D)	^(D)	1,161	^(D)
Chemicals and allied products	105,964	^(D)	65,533	4,958	18,756	12,194	8,464	14,460	^(D)	^(D)	88	^(D)	59	5,069	8
Industrial chemicals and synthetics	71,276	^(D)	34,164	^(D)	15,346	2,739	^(D)	7,647	^(D)	^(D)	0	^(D)	0	3,020	3
Drugs	16,650	41	14,876	^(D)	626	2	7,110	6,297	^(D)	0	0	1,024	41	982	0
Soap, cleaners, and toilet goods	13,389	120	12,503	63	2,350	^(D)	^(D)	^(D)	^(D)	^(D)	0	^(D)	723	^(D)	0
Other	4,648	174	3,989	^(D)	234	^(D)	89	^(D)	69	0	0	412	^(D)	^(D)	6
Primary and fabricated metals	46,433	4,235	25,658	^(D)	2,607	319	^(D)	7,338	^(D)	^(D)	^(D)	11,884	3,046	7,974	^(D)
Primary metal industries	21,208	3,217	5,709	^(D)	813	0	^(D)	2,711	^(D)	^(D)	^(D)	9,847	2,893	6,119	^(D)
Ferrous	9,661	^(D)	1,346	^(D)	450	0	0	60	0	0	0	6,650	^(D)	5,683	^(D)
Nonferrous	11,548	^(D)	4,363	^(D)	363	0	^(D)	2,651	^(D)	^(D)	0	3,197	^(D)	436	0
Fabricated metal products	25,225	1,018	19,949	^(D)	1,794	319	^(D)	4,627	^(D)	^(D)	^(D)	2,037	153	1,854	0
Machinery	64,373	5,967	41,792	4,424	7,343	^(D)	1,736	16,682	570	166	166	15,320	1,192	11,507	392
Machinery, except electrical	33,972	900	21,400	2,211	2,202	111	1,594	12,518	566	^(D)	152	10,777	^(D)	8,197	^(D)
Office and computing machines	10,257	115	5,249	2,074	275	43	^(D)	2,784	^(D)	0	23	4,320	0	4,039	^(D)
Other	23,716	784	16,151	137	1,928	69	^(D)	9,734	^(D)	^(D)	130	6,457	^(D)	4,157	^(D)
Electric and electronic equipment	30,401	5,068	20,392	2,213	5,141	^(D)	142	4,164	3	0	14	4,543	^(D)	3,310	^(D)
Audio, video, and communications equipment	11,030	^(D)	6,625	^(D)	^(D)	^(D)	122	737	0	1	2	^(D)	^(D)	467	1
Electronic components and accessories	6,707	94	3,958	^(D)	1,471	^(D)	20	1,119	3	12	12	2,278	0	2,232	^(D)
Other	12,664	^(D)	9,808	355	^(D)	36	0	2,308	0	0	0	^(D)	^(D)	610	18
Other manufacturing	107,182	12,363	71,478	^(D)	8,008	^(D)	3,163	38,719	3,622	108	^(D)	19,103	1,573	17,121	^(D)
Textile products and apparel	6,471	1,540	3,968	362	423	127	189	2,432	0	0	0	878	0	848	0
Lumber, wood, furniture, and fixtures	1,608	86	1,292	^(D)	279	0	121	557	^(D)	0	0	201	15	113	0
Paper and allied products	7,764	2,005	4,468	22	338	^(D)	103	197	^(D)	0	0	1,072	0	1,072	0
Printing and publishing	21,751	5,889	14,406	^(D)	^(D)	^(D)	^(D)	8,126	^(D)	^(D)	^(D)	1,265	^(D)	^(D)	^(D)
Newspapers	3,993	3,981	9	0	2	0	0	2	0	0	0	1	0	1	0
Other	17,758	1,908	14,397	^(D)	^(D)	^(D)	^(D)	8,122	^(D)	^(D)	0	1,265	^(D)	^(D)	^(D)
Rubber products	7,959	^(D)	2,099	^(D)	^(D)	^(D)	8	238	^(D)	0	0	^(D)	^(D)	^(D)	^(D)
Miscellaneous plastics products	4,484	839	2,661	236	530	205	38	78	^(D)	0	0	906	^(D)	887	0
Stone, clay, and glass products	22,790	^(D)	16,202	5,087	1,313	^(D)	1,353	6,958	^(D)	227	0	4,515	1,107	3,346	0
Transportation equipment	10,474	576	5,655	2,423	673	26	1,897	1	0	0	0	4,237	0	4,218	5
Motor vehicles and equipment	7,613	^(D)	2,964	^(D)	521	0	26	538	0	0	0	^(D)	0	4,214	0
Other transportation equipment	2,861	^(D)	2,690	^(D)	152	^(D)	0	1,458	1	0	0	^(D)	0	4	5
Instruments and related products	9,489	^(D)	7,358	422	953	6	426	5,181	^(D)	106	0	^(D)	6	525	0
Other	14,392	^(D)	13,370	387	99	7	^(D)	^(D)	2	0	0	500	0	495	0
Wholesale trade	131,226	4,864	51,338	8,851	14,232	2,430	^(D)	13,525	1,759	1,213	566	70,902	789	65,180	584
Motor vehicles and equipment	37,842	^(D)	13,205	^(D)	7,387	8	0	^(D)	67	0	105	24,069	^(D)	23,076	^(D)
Professional and commercial equipment and supplies	8,897	33	2,183	66	479	208	726	145	7	0	57	6,614	0	6,416	3
Metals and minerals, except petroleum	15,464	1,263	4,634	791	1,751	^(D)	187	728	355	^(D)	^(D)	8,777	^(D)	7,448	0
Electrical goods	17,249	70	1,763	150	371	^(D)	61	538	81	0	135	15,201	0	13,530	0
Machinery, equipment, and supplies	15,453	786	5,023	277	1,395	765	784	415	383	^(D)	^(D)	8,869	18	8,800	294
Other durable goods	9,896	139	6,341	169	1,295	60	385	3,764	183	0	0	3,233	237	2,864	0
Groceries and related products	4,216	220	3,031	140	995	279	93	1,318	234	67	53	593	0	570	18
Farm-product raw materials	8,400	^(D)	6,513	^(D)	40	299	^(D)	100	^(D)	0	0	1,749	^(D)	1,646	0
Other nondurable goods	13,808	2,040	8,644	831	520	529	^(D)	5,338	350	^(D)	0	1,796	392	830	^(D)
Retail trade	48,474	18,945	20,299	1,068	4,807	^(D)	828	4,859	5,354	6	213	3,652	2,080	1,131	4
General merchandise stores	18,708	13,369	3,524	249	^(D)	^(D)	^(D)	65	0	0	0	1,749	^(D)	119	0
Food stores	9,371	1,231	7,576	312	3,352	^(D)	0	^(D)	^(D)	0	0	522	^(D)	^(D)	0
Apparel and accessory stores	5,970	2,095	2,718	107	^(D)	^(D)	^(D)	1,201	^(D)	0	0	655	^(D)	^(D)	2
Other	14,425	2,250	6,482	399	1,303	646	88	3,126	4,847	6	112	726	^(D)	392	3
Finance, except banking	380,743	17,731	142,886	5,033	14,625	2,021	^(D)	42,914	8,523	106	12,214	199,026	11,699	179,614	257
Insurance	171,055	45,372	88,704	389	6,734	18,558	17,612	29,637	671	9	0	0	0	1,263	^(D)
Real estate	89,968	25,254	23,673	505	2,993	5,460	1,372	10,786	3,199	377	9,225	27,538	1,983	22,629	703
Services	57,970	2,849	29,926	1,201	3,467	2,367	2,201	15,775	2,264	^(D)	4,208	18,485	8,073	9,080	^(D)
Hotels and other lodging places	13,461	149	3,430	335	20	^(D)	127	1,235	^(D)	^(D)	977	8,539	0	7,445	^(D)
Business services	15,813	729	12,194	514	86	367	^(D)	9,474	^(D)	0	0	838	^(D)	398	25
Computer and data processing services	2,807	307	2,317	232	78	263	^(D)	552	103	0	8	70	27	34	2
Other business services	13,006	422	9,877	282	7	103	339	8,922	^(D)	0	0	769	^(D)	364	23
Motion pictures, including television tape and film	11,541	^(D)	^(D)	4	5	^(D)	14	1,927	89	0	0	^(D)	^(D)	33	8
Engineering, architectural, and surveying services	4,787	79	1,680	144	213	1									

Table 15.1—Employment by Nonbank U.S. Affiliates, State by Country of Ultimate Beneficial Owner, 1988
[Thousands of employees]

	All countries	Canada	Europe						Latin America and Other Western Hemisphere	Africa	Middle East	Asia and Pacific			United States
			Total	Of which:								Total	Of which:		
				France	Germany, Federal Republic of	Netherlands	Switzerland	United Kingdom					Australia	Japan	
Total	3,844.2	737.9	2,301.3	237.7	391.6	285.2	195.0	822.2	119.3	23.0	44.2	584.4	97.6	427.1	34.1
New England:															
Connecticut	72.3	8.1	57.7	7.0	11.5	12.5	2.3	17.0	.7	.1	.6	4.9	.8	3.9	.2
Maine	24.4	12.4	10.4	1.0	.9	1.7	.1	4.8	.7	(*)	(*)	.8	.1	.5	.1
Massachusetts	110.3	20.9	67.8	9.2	10.2	3.0	3.9	32.2	4.4	.5	2.3	13.3	1.7	11.1	.9
New Hampshire	22.4	(P)	12.9	.6	2.5	1.8	.7	6.5	.1	(*)	(*)	2.5	.1	2.5	(P)
Rhode Island	12.2	2.3	9.0	.7	1.5	.9	.2	3.9	.2	.1	.1	.5	.1	.5	.1
Vermont	7.9	2.6	4.7	.2	.5	.2	1.0	.5	.1	(*)	(*)	.4	(*)	.4	.1
Mideast:															
Delaware	41.8	(P)	9.7	.2	2.0	.3	.4	5.6	.2	(*)	.9	1.6	(*)	1.1	(P)
District of Columbia	8.8	2.4	4.9	.4	.3	.2	.4	2.0	.1	(*)	.1	1.3	.3	.9	(*)
Maryland	62.1	15.2	40.1	5.3	6.3	6.1	2.4	13.5	1.1	(*)	1.1	4.4	1.2	3.0	.1
New Jersey	203.9	26.4	143.3	14.1	30.7	14.9	26.2	33.0	3.9	(P)	.3	27.1	2.6	21.2	(P)
New York	342.8	62.0	204.1	17.2	38.6	16.0	20.4	75.2	8.1	.9	2.4	57.9	14.0	40.4	7.5
Pennsylvania	179.0	31.8	122.1	14.3	26.0	10.9	6.3	50.1	6.3	1.4	1.1	10.5	1.5	8.6	5.8
Great Lakes:															
Illinois	214.1	28.5	136.6	10.8	19.3	9.1	16.6	60.2	3.9	.7	1.3	38.9	4.2	33.7	4.2
Indiana	83.4	17.1	55.2	11.3	11.4	9.7	2.1	14.0	1.1	.7	.1	9.1	.6	8.2	(*)
Michigan	116.2	19.0	70.5	9.1	16.1	4.2	2.7	27.0	3.1	.3	.2	22.1	3.2	17.6	1.0
Ohio	170.2	28.2	100.3	8.8	12.0	10.4	10.7	43.4	9.4	1.7	.3	29.0	2.8	20.9	1.4
Wisconsin	71.1	13.9	48.8	5.3	10.3	7.7	7.2	13.6	.3	.1	1.0	7.0	3.8	2.8	(*)
Plains:															
Iowa	28.6	6.1	18.7	1.4	3.0	2.3	2.4	3.9	.1	.3	(*)	3.3	.1	2.8	.1
Kansas	27.8	8.2	16.2	2.1	1.6	3.5	1.4	5.6	.7	.7	.3	1.7	.4	1.3	.1
Minnesota	51.4	12.0	33.5	2.8	4.6	5.5	3.3	12.7	.6	.1	.1	5.1	1.7	3.0	.1
Missouri	59.0	16.9	34.9	2.7	4.3	7.5	2.8	11.8	1.6	.8	.8	4.0	.7	2.9	(*)
Nebraska	12.7	1.8	9.2	.7	(P)	1.6	1.1	2.5	.4	.1	(*)	1.3	.4	.8	(*)
North Dakota	2.7	.8	1.4	.1	.1	.2	.1	.9	.2	.1	(*)	.1	(*)	.1	(*)
South Dakota	2.9	1.2	1.5	(*)	(*)	.6	.1	.8	(*)	(*)	0	.2	(*)	.1	0
Southeast:															
Alabama	42.0	9.5	23.7	5.4	2.6	1.9	2.0	7.9	1.2	.4	.5	6.6	.2	5.8	.1
Arkansas	25.7	5.8	14.5	2.6	.6	4.2	1.4	3.5	.9	.2	(*)	4.2	.2	3.9	(*)
Florida	154.1	39.1	79.6	7.1	6.7	10.6	4.0	32.4	10.6	1.2	5.3	18.1	2.1	13.9	.3
Georgia	143.7	34.1	79.8	5.9	11.2	8.6	5.7	27.4	(P)	(P)	3.8	20.8	5.4	14.6	.8
Kentucky	47.7	11.4	26.4	4.7	6.4	2.4	.7	10.8	1.1	.4	.7	7.7	1.4	6.1	.1
Louisiana	56.2	10.0	30.5	2.1	4.3	8.1	2.0	9.7	7.2	.3	1.3	6.4	.2	1.7	.4
Mississippi	20.2	2.9	10.5	2.2	1.3	.9	1.8	3.4	1.9	.3	.1	4.5	.3	1.7	.2
North Carolina	157.4	32.4	110.7	7.2	28.8	4.0	6.0	38.2	1.5	.2	1.3	10.9	1.0	7.2	.4
South Carolina	85.1	9.6	61.5	10.3	14.8	13.1	4.8	11.1	2.5	.3	2.9	8.1	.8	6.7	(*)
Tennessee	98.2	19.5	61.1	8.7	7.1	10.7	4.5	18.1	1.4	.3	.3	15.4	1.6	11.9	.2
Virginia	92.7	22.1	59.6	4.1	14.6	3.7	3.1	19.3	4.8	.2	1.4	4.6	.4	3.6	.1
West Virginia	26.6	12.9	12.5	2.3	3.0	2.0	.4	3.6	.1	(*)	.2	.9	(*)	.9	(*)
Southwest:															
Arizona	48.0	11.1	20.8	4.7	1.1	3.9	1.0	6.5	(P)	.1	(P)	13.2	8.7	4.3	.2
New Mexico	15.1	2.8	10.2	.4	(P)	2.0	.2	1.9	.4	(*)	.1	1.4	1.0	.3	.2
Oklahoma	38.4	9.6	21.5	2.5	1.9	3.5	.9	9.5	2.5	.4	.5	3.8	.5	2.7	.2
Texas	236.4	35.8	152.8	14.9	25.6	34.3	12.7	47.2	10.4	2.4	7.3	26.2	8.3	14.6	1.5
Rocky Mountain:															
Colorado	34.2	7.4	20.6	1.8	1.5	2.2	2.9	9.8	.9	.4	.6	4.1	1.5	2.1	.3
Idaho	5.6	1.6	2.2	.2	.1	.2	.7	1.0	(*)	(*)	(*)	1.7	.5	(P)	(*)
Montana	3.8	1.5	1.5	.3	(*)	.2	.2	.7	(*)	(*)	(*)	.8	.7	.1	(*)
Utah	15.4	2.8	10.2	.2	.7	2.5	.9	3.8	.7	.2	(*)	1.3	.2	.4	.1
Wyoming	3.9	.7	2.1	1.1	(*)	.2	.1	.6	.2	(*)	(*)	.8	.7	.1	0
Far West:															
California	407.1	60.2	211.0	20.1	27.2	27.3	16.7	87.7	13.7	1.3	2.7	115.5	14.7	86.6	2.6
Nevada	13.7	2.7	6.7	.2	.9	1.0	.4	3.3	.2	.1	(*)	3.9	1.1	(P)	(*)
Oregon	25.1	4.5	14.0	.6	4.7	.9	1.3	4.4	.2	(*)	.1	6.2	1.5	4.2	.1
Washington	55.8	13.1	25.5	1.5	4.8	3.8	4.1	9.0	1.3	1.4	(P)	14.3	2.8	9.7	(P)
Alaska	7.6	1.2	2.9	.1	(*)	.5	.2	2.0	.4	(*)	0	2.9	.3	2.5	.2
Hawaii	34.8	.8	3.2	.6	.1	.7	.3	1.0	3.5	0	0	27.2	1.5	24.3	.2
Puerto Rico	14.7	1.3	9.9	.2	.7	.7	1.1	6.0	.4	0	0	2.9	(*)	2.9	.2
Other U.S. areas ¹	4.6	.1	1.0	(*)	(*)	0	.2	.8	1.3	(*)	.1	2.0	(*)	1.8	(*)
Foreign ²	2.6	.1	1.5	.5	.1	.2	.1	.6	0	0	.3	.8	0	.4	(*)

D Suppressed to avoid disclosure of data of individual companies.

* Less than 50 employees.

1. See footnote 2 to table 5.

2. See footnote 3 to table 5.

NOTE.—Estimates for 1988 are revised.

Table 15.2—Employment by Nonbank U.S. Affiliates, State by Country of Ultimate Beneficial Owner, 1989

[Thousands of employees]

	All countries	Canada	Europe						Latin America and Other Western Hemisphere	Africa	Middle East	Asia and Pacific			United States
			Total	Of which:								Total	Of which:		
				France	Germany, Federal Republic of	Netherlands	Switzerland	United Kingdom					Australia	Japan	
Total	4,440.1	755.3	2,635.7	264.2	435.5	316.0	254.8	980.9	226.6	17.9	38.9	734.6	153.9	504.3	31.1
New England:															
Connecticut	87.7	8.6	70.6	7.0	13.0	13.8	11.8	17.4	2.3	(*)	.4	5.6	.9	4.4	.2
Maine	27.1	12.5	12.4	.9	.9	1.8	1.2	5.2	1.1	(*)	(*)	1.0	.3	.4	.1
Massachusetts	129.0	23.0	79.6	10.3	11.2	4.5	4.1	36.7	5.7	.5	2.2	17.1	3.2	13.6	1.0
New Hampshire	25.6	(P)	15.1	.9	3.4	1.9	.8	7.3	.2	0	(*)	2.8	(*)	2.6	(P)
Rhode Island	13.3	2.7	9.5	.5	1.6	.9	.5	4.2	.3	.1	.1	.6	.1	.5	.1
Vermont	8.4	2.8	4.9	.2	.6	.3	1.1	.6	.2	0	0	.4	(*)	.4	.1
Mideast:															
Delaware	41.5	(P)	9.4	.3	1.3	.4	.4	5.7	.6	.1	.8	1.5	(*)	1.1	(P)
District of Columbia	8.8	1.9	5.0	.4	.3	.4	.4	2.4	.4	(*)	.1	1.4	.3	1.0	(*)
Maryland	68.6	15.6	44.6	6.7	7.1	6.2	4.4	14.5	1.9	(*)	1.0	5.2	1.4	3.4	.3
New Jersey	222.4	27.9	154.4	14.3	32.4	16.2	27.6	40.9	5.6	(P)	.3	30.9	3.9	24.2	(P)
New York	370.9	61.4	223.2	18.4	43.0	17.9	21.6	84.4	13.4	.4	2.1	63.6	16.2	42.8	6.8
Pennsylvania	201.4	29.2	143.3	16.4	26.8	13.0	10.5	61.8	8.8	.8	(P)	15.0	4.5	10.1	(P)
Great Lakes:															
Illinois	238.6	29.2	153.1	12.1	22.7	10.7	18.3	68.2	9.6	.4	1.0	43.9	4.5	37.5	1.4
Indiana	96.5	15.5	59.2	11.4	12.0	8.8	3.6	16.9	3.4	.4	.2	17.8	.9	9.4	(*)
Michigan	140.1	19.2	83.0	10.8	25.2	4.8	2.9	28.3	6.1	.4	.1	30.1	9.8	19.5	1.1
Ohio	207.6	27.6	119.8	10.9	16.2	13.6	15.2	46.7	13.0	1.3	.3	44.1	3.5	34.5	1.4
Wisconsin	77.0	12.9	55.1	5.3	10.2	9.0	8.9	16.3	1.6	.1	1.0	6.3	2.8	3.0	(*)
Plains:															
Iowa	30.6	5.4	19.9	1.5	3.3	3.7	1.5	4.4	.5	.5	(*)	4.2	.1	3.0	(*)
Kansas	30.0	8.3	18.0	2.1	1.8	3.6	1.7	7.0	1.3	.2	(*)	2.2	.6	1.4	.1
Minnesota	81.2	10.7	44.7	3.6	6.4	5.6	3.9	20.9	2.7	.1	.1	22.7	(P)	3.2	.1
Missouri	71.6	17.3	43.6	3.9	6.1	8.3	5.2	13.4	4.5	(*)	.7	5.5	1.3	3.6	.1
Nebraska	13.5	1.5	10.0	.8	(P)	1.8	1.2	4.1	.4	.1	0	1.4	.5	.9	(*)
North Dakota	3.1	1.0	1.6	.1	.1	.3	.1	1.0	.1	.1	(*)	.2	.1	.1	(*)
South Dakota	3.0	1.0	1.8	(*)	(*)	.7	.1	.9	(*)	(*)	0	.2	.1	.1	0
Southeast:															
Alabama	55.8	(P)	24.9	5.0	2.8	1.3	3.1	8.8	(P)	.4	.4	11.8	4.8	6.5	.1
Arkansas	32.0	6.2	17.6	2.9	.6	4.8	1.7	5.2	1.5	.3	(*)	6.4	1.2	5.2	(*)
Florida	186.5	42.8	98.6	9.9	7.8	11.7	5.4	43.0	22.0	1.4	4.2	17.1	5.8	8.9	.4
Georgia	159.7	34.5	94.4	7.0	13.3	9.7	8.3	34.7	(P)	(P)	2.2	22.6	4.3	17.2	.8
Kentucky	55.5	11.2	27.4	3.4	7.6	2.6	.8	11.5	1.0	.3	.8	14.7	1.5	13.1	(*)
Louisiana	64.6	10.0	41.2	2.4	5.1	11.1	2.4	16.7	7.6	.3	1.3	3.8	.6	1.7	.4
Mississippi	22.8	3.1	13.4	3.2	1.3	1.0	2.4	4.1	3.4	.2	(*)	2.6	.8	1.8	.1
North Carolina	174.5	31.0	122.2	8.7	30.9	5.2	7.9	44.5	6.7	.2	1.1	12.7	1.2	9.6	.7
South Carolina	100.1	9.7	68.2	10.6	15.2	15.3	5.6	13.8	9.2	.3	3.0	9.6	1.0	6.9	(*)
Tennessee	112.3	18.5	68.8	9.5	8.1	11.1	5.7	22.0	(P)	.1	(P)	19.9	4.4	12.8	(*)
Virginia	106.1	22.5	69.1	5.2	14.1	5.0	5.0	24.1	5.9	.3	1.5	6.7	1.0	4.9	.1
West Virginia	29.8	12.8	15.3	2.2	2.7	2.0	2.9	4.0	.5	(*)	.2	1.0	(*)	1.0	(*)
Southwest:															
Arizona	54.2	11.7	22.7	4.4	1.6	4.9	1.7	6.6	(P)	.1	(P)	16.1	11.1	4.3	.3
New Mexico	15.6	2.9	9.1	.2	(P)	1.9	.3	2.2	.6	(*)	.1	2.6	(P)	1.5	.2
Oklahoma	41.2	9.5	23.9	1.9	2.3	3.8	1.1	11.2	3.1	.2	.2	4.0	.4	3.0	.3
Texas	263.8	36.8	170.5	18.5	26.4	35.9	17.1	54.2	14.1	1.4	7.4	32.5	10.7	18.2	1.2
Rocky Mountain:															
Colorado	40.0	8.0	23.3	2.3	1.4	2.1	3.2	11.6	2.2	.2	.5	5.3	1.6	3.1	.5
Idaho	8.2	1.8	4.3	.2	.2	.2	.9	2.8	.3	(*)	(*)	1.8	.5	(P)	(*)
Montana	4.1	1.5	1.4	.4	(*)	.2	.2	.6	(*)	(*)	(*)	1.1	.7	.3	(*)
Utah	16.1	2.6	11.1	.3	1.1	2.0	1.2	4.2	.6	.2	(*)	1.5	.2	.5	.1
Wyoming	4.1	.7	2.3	1.2	(*)	.2	.1	.7	.2	(*)	(*)	.8	.7	.1	0
Far West:															
California	496.4	72.9	248.7	21.0	29.2	29.1	23.5	110.3	32.4	1.2	2.6	135.7	18.5	102.6	2.9
Nevada	18.7	4.0	8.2	.2	1.0	1.3	.4	4.5	1.0	.1	(*)	5.4	1.4	(P)	(*)
Oregon	28.5	3.6	14.4	.7	4.6	.7	.7	4.9	1.1	.1	.1	9.2	1.6	6.9	.1
Washington	67.2	14.3	30.4	2.0	4.9	3.5	4.0	12.7	4.2	.8	.1	16.7	5.1	10.0	.8
Alaska	8.0	1.6	2.4	.1	(*)	.1	.1	2.0	.3	(*)	0	3.1	.6	2.4	.7
Hawaii	42.7	.9	3.8	.7	.1	.7	.4	1.5	3.7	0	0	34.0	1.9	29.6	.4
Puerto Rico	19.6	1.2	11.9	.2	1.4	.7	1.1	6.9	4.0	0	0	5.6	(*)	2.7	.5
Other U.S. areas ¹	8.8	(P)	1.8	.6	0	(*)	.3	9	1.5	(*)	(P)	4.2	(*)	1.9	(*)
Foreign ²	5.7	.4	2.6	.5	(*)	.2	.2	1.5	0	0	.1	2.6	(*)	2.2	(*)

^P Suppressed to avoid disclosure of data of individual companies.

* Less than 50 employees.
1. See footnote 2 to table 5.
2. See footnote 3 to table 5.

NOTE.—Estimates for 1989 are preliminary.

Table 16.—Gross Property, Plant, and Equipment of Nonbank U.S. Affiliates, by State, 1987–89

[Millions of dollars]

	1987		1988 ^r		1989 ^p		Change in commercial property	
	Total	Of which:	Total	Of which:	Total	Of which:	1987–88	1988–89
		Commercial property ¹		Commercial property ¹		Commercial property ¹		
Total	353,278	89,919	418,069	104,048	482,035	120,532	14,130	16,484
New England:								
Connecticut	3,092	1,216	3,810	1,468	4,718	1,527	252	60
Maine	1,549	305	2,035	425	2,110	382	120	-43
Massachusetts	5,214	2,476	6,516	2,847	7,580	3,302	371	455
New Hampshire	736	245	994	258	1,141	289	14	30
Rhode Island	605	123	580	168	931	241	45	73
Vermont	382	42	449	58	502	83	16	26
Mideast:								
Delaware	3,432	505	4,789	580	5,378	669	75	89
District of Columbia	1,655	1,533	2,230	2,036	2,433	2,225	503	189
Maryland	3,124	1,221	3,766	1,291	4,812	1,625	70	334
New Jersey	11,458	3,130	13,980	3,721	16,011	3,663	591	-58
New York	23,069	13,292	26,366	14,387	31,993	17,475	1,095	3,088
Pennsylvania	10,898	2,054	11,582	2,523	14,984	2,744	470	220
Great Lakes:								
Illinois	12,920	3,674	16,699	4,726	19,610	6,185	1,051	1,459
Indiana	4,183	502	5,928	785	8,106	963	283	178
Michigan	7,640	932	8,774	1,097	10,220	1,213	165	115
Ohio	10,622	1,925	12,912	2,866	17,315	2,812	941	-54
Wisconsin	2,803	443	3,674	549	4,349	576	105	27
Plains:								
Iowa	1,663	254	2,219	273	2,356	324	18	51
Kansas	2,350	204	5,254	239	4,717	295	35	56
Minnesota	4,344	1,241	5,540	1,432	11,410	1,919	192	486
Missouri	4,233	824	4,484	915	5,024	1,152	91	237
Nebraska	459	99	556	75	700	102	-25	27
North Dakota	1,295	62	1,169	9	1,121	27	-53	18
South Dakota	378	(^D)	441	36	456	26	(^D)	-10
Southeast:								
Alabama	4,011	163	4,852	466	5,855	615	304	149
Arkansas	1,289	252	1,707	375	2,263	474	123	99
Florida	9,574	5,105	11,905	6,190	14,316	6,954	1,085	765
Georgia	9,059	3,092	10,856	3,678	13,873	4,906	586	1,228
Kentucky	4,557	641	5,581	655	6,750	706	14	51
Louisiana	14,292	1,320	15,898	1,323	15,661	1,267	3	-56
Mississippi	2,425	191	2,579	193	2,606	219	2	26
North Carolina	9,727	1,509	11,792	1,584	13,869	1,664	76	79
South Carolina	6,182	732	7,289	1,002	8,572	1,432	270	430
Tennessee	5,604	780	7,292	1,135	8,771	1,471	354	336
Virginia	6,808	2,029	7,982	2,040	9,137	2,487	11	447
West Virginia	5,060	78	5,020	191	5,511	281	113	89
Southwest:								
Arizona	4,103	1,432	5,060	1,886	5,859	2,105	454	219
New Mexico	2,751	210	3,569	275	3,881	303	65	28
Oklahoma	5,088	676	5,709	630	5,726	632	-46	2
Texas	41,591	9,736	46,213	10,421	48,176	11,019	684	598
Rocky Mountain:								
Colorado	4,487	1,971	5,469	2,494	5,716	2,716	523	222
Idaho	395	33	432	22	618	43	-11	20
Montana	1,684	92	1,801	71	1,917	86	-21	15
Utah	2,610	147	3,502	120	3,391	183	-26	62
Wyoming	2,962	35	2,990	30	1,958	36	-4	5
Far West:								
California	44,275	17,848	52,411	19,876	61,142	22,631	2,029	2,755
Nevada	1,606	441	2,653	549	3,747	632	108	83
Oregon	1,812	581	2,099	554	2,299	631	-26	77
Washington	3,588	1,153	4,803	1,372	5,914	1,529	220	157
Alaska	18,420	(^D)	18,312	284	18,919	261	(^D)	-23
Hawaii	3,474	2,848	4,990	3,316	6,888	4,449	468	1,133
Puerto Rico	558	43	663	145	997	172	102	27
Other U.S. areas ²	15,019	202	17,247	212	17,579	239	9	27
Foreign ³	2,165	33	2,646	193	2,146	572	160	379

^r Revised.^p Preliminary.^D Suppressed to avoid disclosure of data of individual companies.

1. See footnote 4 in the text.

2. See footnote 2 to table 5.

3. Consists primarily of movable fixed assets temporarily located outside the United States and of any foreign assets, including mineral rights, carried on the U.S. affiliates' books.

Availability of Data on Foreign Direct Investment in the United States

Additional information on U.S. affiliates' operations in 1977-89 is available—including data on U.S. affiliates' balance sheets and income statements; external financial position; property, plant, and equipment; employment and employee compensation; U.S. merchandise trade; research and development expenditures; and U.S. land owned and leased.

The publications for 1977-85 and the computer diskettes for 1977-89 may be obtained from Public Information Office, Order Desk, BE-53, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230. Make checks or money orders payable to "Bureau of Economic Analysis" and include your return address with the order. The publications for 1986 forward may be obtained from the Superintendent of Documents, U.S. Government Printing Office (GPO), Washington, DC 20402. The titles, BEA accession or GPO stock numbers, and prices of the publications and the years, BEA accession numbers, and prices of the diskettes, which should be quoted when ordering, are as follows:

Year	Publication				Diskette ²	
	Title	BEA Accession Number	GPO Stock Number	Price	BEA Accession Number	Price
1977	Foreign Direct Investment in the United States: Operations of U.S. Affiliates, 1977-80.	50-85-10-150	.....	\$7.00	50-87-40-403	\$20.00
1978					50-87-40-404	20.00
1979					50-87-40-405	20.00
1980					50-87-40-406	20.00
1981	Foreign Direct Investment in the United States: Annual Survey Results, Revised 1981 Estimates.	50-84-10-101	.....	5.00	50-87-40-407	20.00
1982	Foreign Direct Investment in the United States: Operations of U.S. Affiliates of Foreign Companies: Revised 1982 Estimates	50-85-10-101	.....	5.00	50-87-40-408	20.00
1983	Revised 1983 Estimates	50-86-10-101	.....	5.00	50-86-40-401	20.00
1984	Revised 1984 Estimates	50-87-10-101	.....	5.00	50-87-40-401	20.00
1985	Revised 1985 Estimates	50-88-10-101	.....	5.00	50-88-40-401	20.00
1986	Revised 1986 Estimates .....	.....	003-010-00190-9	3.25	50-89-40-401	20.00
1987	Foreign Direct Investment in the United States: 1987 Benchmark Survey, Final Results.	.....	003-010-00210-7	14.00	50-90-40-401	60.00
1988	Foreign Direct Investment in the United States: Operations of U.S. Affiliates of Foreign Companies: Revised 1988 Estimates .....	.....	(1)	(1)	50-91-40-401	20.00
1989	Preliminary 1989 Estimates .....	.....	(1)	(1)	50-91-40-402	20.00

1. Call GPO at (202) 783-3238 for price or stock number.
 2. Note to diskette users: All files are copied, using DOS, onto 5¼-inch diameter diskettes (9 sector, double-sided, double-density). Documentation is included.

New Data Available for U.S. Direct Investment Abroad

In late August, revised estimates from BEA's 1988 annual survey of U.S. direct investment abroad, which collected key items on the operations of nonbank U.S. parent companies and their nonbank foreign affiliates, will be available in a publication titled *U.S. Direct Investment Abroad: Operations of U.S. Parent Companies and their Foreign Affiliates, Revised 1988 Estimates*. The revised estimates will also be available on diskette.

The publication may be ordered from the U.S. Government Printing Office (GPO); for order information, see inside back cover. The diskette, priced at \$20.00, may be ordered from the International Investment Division of BEA; call (202) 523-0568 to order; when ordering, refer to accession number 50-91-40-403.

A summary of preliminary results from BEA's 1989 benchmark survey of U.S. direct investment abroad, which replaced the annual survey for 1989, is scheduled to be published in a fall issue of the SURVEY OF CURRENT BUSINESS. More detailed data will be available from GPO in a publication scheduled for late November.

REGIONAL PERSPECTIVES

Personal Income by Region, First Quarter 1991

PERSONAL income growth in the Nation slowed for the fourth consecutive quarter. It increased only 0.3 percent in the first quarter of 1991, down from a 1.0-percent increase in the fourth quarter of 1990 (table 1).¹ The first-quarter increase was the smallest of the past two decades.

The slowdown in the first quarter was widespread by region and by industry: Growth slowed in all regions except the Southeast and in all major industries except the finance-insurance-real estate group and government. In the first quarter, personal income declined in the New England region and in two farm regions—Rocky Mountain and Plains.

NOTE.—This article was written by Rudolph E. DePass and Howard L. Friedenber.

1. Percent changes shown in this article are not at annual rates.

Personal income declined in 14 States, most of which were farming States or northeastern and midwestern manufacturing States. (For estimates by State, see "State Personal Income, Summary Estimates for First Quarter 1991" beginning on page 97.) Swings in farm income, reflecting Federal farm subsidy payments, dominated the changes in personal income in the States that had large changes. In North Dakota, Montana, South Dakota, and Kansas, farm income fell in the first quarter following large fourth-quarter payments on the 1990 wheat crop and on conservation reserve programs.² In Arkansas, farm income was boosted in the first quarter by subsidy payments on the 1990 rice crop. In Mississippi, it was boosted by payments on the 1990 rice and cotton crops. In Iowa, it was boosted by

2. Under conservation reserve programs, Federal and State agencies share with farmers and ranchers the costs of carrying out conservation and environmental protection practices on agricultural land.

payments on the 1990 and 1991 corn crops.

Because farm income often fluctuates sharply from quarter to quarter, the remainder of this article focuses on nonfarm personal income in order to track more directly the effects of the national economic slowdown on regions and States.

Nonfarm personal income for the Nation increased 0.3 percent in the first quarter, down from a 0.9-percent increase in the fourth quarter and a 1.5-percent increase in the third. The first-quarter slowdown was particularly pronounced in the Far West and Great Lakes regions. New England was the only region in which nonfarm income declined in the first quarter; the Southeast was the only region in which nonfarm income increased more in the first quarter than in the fourth. By State, the first-quarter change in nonfarm income was less than the fourth-quarter change in 34 States (chart 5).

In the Far West, nonfarm personal income increased 0.3 percent in the first quarter, down from a 1.5-percent increase in the fourth quarter and a 1.7-percent increase in the third. The first-quarter slowdown was widespread by industry. Payroll declines in durables manufacturing and in construction were larger in the first quarter than in the fourth (table 2). Payrolls in nondurables manufacturing, in the transportation-public utilities

Table 1.—Personal Income for the United States and BEA Regions: Percent Change from Preceding Quarter

[Not at annual rates; based on seasonally adjusted data]

	Total			Farm			Nonfarm		
	1990:III	1990:IV	1991:I	1990:III	1990:IV	1991:I	1990:III	1990:IV	1991:I
United States	1.3	1.0	0.3	-15.9	7.4	-0.8	1.5	0.9	0.3
Far West	1.6	1.4	.3	-2.5	-10.3	1.2	1.7	1.5	.3
Great Lakes	1.1	1.1	.3	-27.5	2.0	31.1	1.4	1.0	.1
Rocky Mountain	1.0	3.2	-3	-27.9	85.0	-41.8	1.7	1.8	1.0
Plains .....	.1	2.4	-1	-28.7	47.9	-10.9	1.3	1.1	.4
New England	1.0	0	-6	-2.0	-19.9	14.7	1.0	.1	-6
Midwest	1.3	.7	.2	-2.9	-20.1	7.3	1.4	.8	.2
Southwest	1.7	1.5	.6	-15.2	16.2	-12.6	2.0	1.3	.8
Southeast	1.4	.3	.7	-9.6	-15.0	14.8	1.5	.5	.6

Table 2.—Wage and Salary Disbursements (Payrolls) by Industry: Percent Change from Preceding Quarter

[Not at annual rates; based on seasonally adjusted data]

	Durables manufacturing		Nondurables manufacturing		Construction		Transportation and public utilities		Wholesale trade		Retail trade		Finance, insurance, and real estate		Services		Government	
	1990:IV	1991:I	1990:IV	1991:I	1990:IV	1991:I	1990:IV	1991:I	1990:IV	1991:I	1990:IV	1991:I	1990:IV	1991:I	1990:IV	1991:I	1990:IV	1991:I
	United States	-1.4	-2.5	0.2	-0.5	-0.7	-3.1	0.2	-0.5	1.2	-0.1	0	-0.3	0.8	0.9	1.7	0.8	1.0	1.8
Far West	-6	-1.5	2.3	-3	-1.8	-3.1	.2	-2	1.3	-2	.8	.1	0	1.2	2.8	.9	2.3	2.2
Great Lakes	-1.6	-5.0	.4	-1.2	1.6	.1	.4	-3	2.3	.2	.6	-3	.6	1.4	1.3	.8	3.3	1.7
Rocky Mountain .....	.3	.4	2.5	.1	4.3	3.0	5.1	-7	.6	.9	2.1	-4	.9	1.4	2.6	1.3	1.1	2.8
Plains	-6	-3.5	2.5	0	-1	-3	.6	-3	2.0	.4	.2	-2	1.0	1.7	1.9	1.1	.7	1.5
New England	-3.2	-1.1	-1.8	-8	-5.3	-12.2	-1.1	-1.3	-4	-2.5	-2.6	-2.6	1.7	-1	.3	-3	1.0	1.1
Midwest	-1.4	-2.2	.3	-1.9	-1.2	-4.3	-8	-8	1.4	-4	-8	-3	1.7	.6	1.2	.9	.3	1.5
Southwest	-8	1.2	.4	1.9	1.8	-1.4	2.3	-2	1.7	.5	.4	.2	-5	1.5	1.8	1.1	1.0	1.1
Southeast	-1.9	-2.0	-1.6	.2	-1.7	-4.2	-6	-8	.1	.1	-5	-4	0	.7	1.6	.9	-4	2.2

group, and in wholesale trade declined in the first quarter after fourth-quarter gains. Payrolls in retail trade and in services grew slower in the first quarter than in the fourth. Nonfarm income growth slowed in all Far West States, particularly in California.

In the Great Lakes region, nonfarm personal income increased 0.1 percent in the first quarter, down from a 1.0-percent increase in the fourth quarter and a 1.4-percent increase in the third. Payrolls in durables manufacturing declined more in the first quarter than in the fourth; the first-quarter decline was the largest since the 1981-82 recession. Payrolls in nondurables manufacturing, in the transportation-public utilities group, and in retail trade declined after fourth-quarter gains. Payrolls in construction, in wholesale trade, in services, and in government grew slower in the first quarter than in the fourth. By State, nonfarm income growth slowed in Illinois, Ohio, and Wisconsin. In Michigan and Indiana, nonfarm income declined in the first quarter after increasing in the fourth;

the declines partly reflected a cutback in motor vehicle production.

In the Rocky Mountain region, nonfarm income increased 1.0 percent in the first quarter after increasing 1.8 percent in the fourth quarter and 1.7 percent in the third. The first-quarter slowdown reflected downswings in payrolls in the transportation-public utilities group and in retail trade. In addition, payrolls in nondurables manufacturing, in construction, and in services grew slower in the first quarter than in the fourth. By State, nonfarm income growth slowed in Colorado, Montana, and Utah; in Wyoming, it declined in the first quarter after increasing in the fourth. In Idaho, nonfarm income increased more in the first quarter than in the fourth.

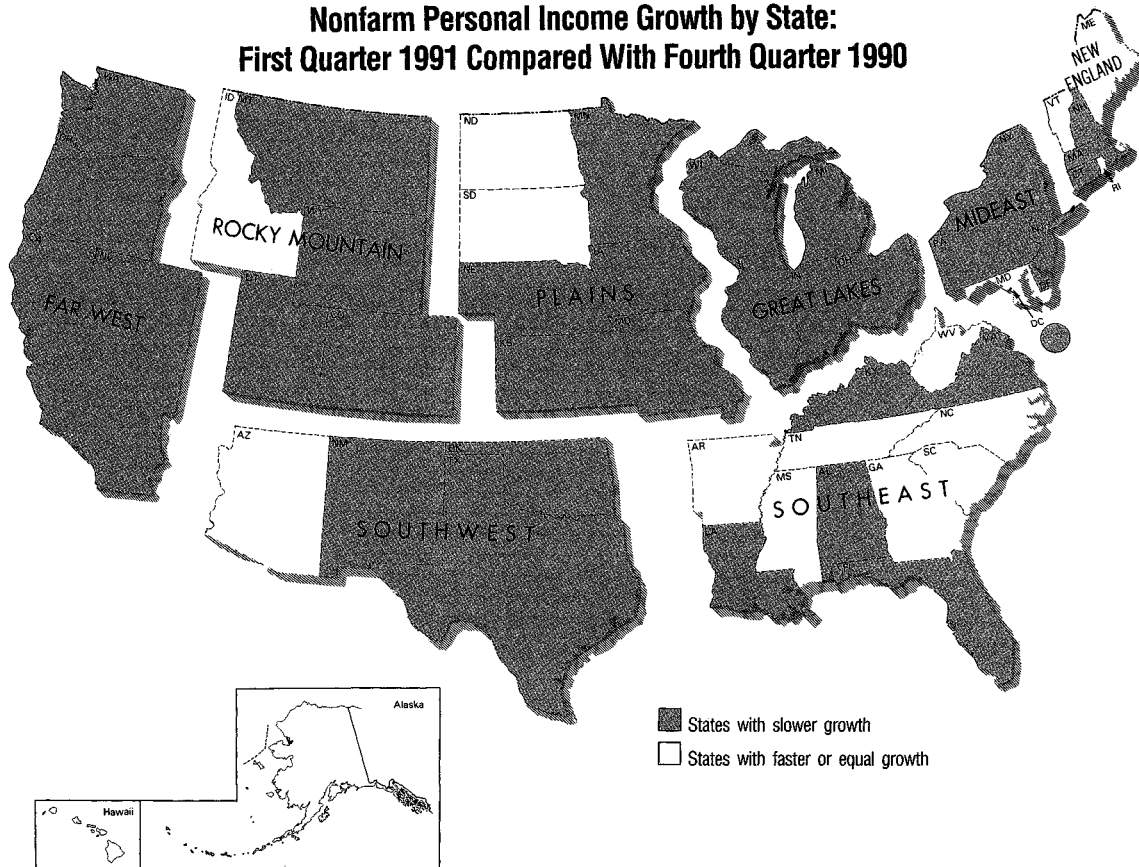
In the Plains region, nonfarm personal income increased 0.4 percent in the first quarter, down from a 1.1-percent increase in the fourth quarter and a 1.3-percent increase in the third. Payroll declines in durables manufacturing and in construction were larger in the first quarter than in the fourth; the first-quarter decline

in durables payrolls was the largest since the 1981-82 recession. After fourth-quarter gains, payrolls declined in the transportation-public utilities group and in retail trade and were unchanged in nondurables manufacturing. Payrolls in wholesale trade and in services grew slower in the first quarter than in the fourth. Nonfarm income growth slowed in all Plains States except South Dakota and North Dakota.

In New England, nonfarm personal income declined 0.6 percent in the first quarter after increasing 0.1 percent in the fourth quarter and 1.0 percent in the third. The first-quarter downswing reflected payroll declines in all major industries except government. Payrolls in construction, in the transportation-public utilities group, and in wholesale trade declined more in the first quarter than in the fourth; construction payrolls have been down for the past nine quarters. Payrolls in the finance-insurance-real estate group and in services declined after fourth-quarter gains. By State, nonfarm income in New Hampshire and Mas-

CHART 5

**Nonfarm Personal Income Growth by State:
First Quarter 1991 Compared With Fourth Quarter 1990**



U.S. Department of Commerce, Bureau of Economic Analysis

sachusetts declined more in the first quarter than in the fourth, and in Connecticut, it declined in the first quarter after increasing in the fourth. In contrast, nonfarm income in Maine declined less in the first quarter than in the fourth, and in Rhode Island and Vermont, it increased in the first quarter after declining in the fourth.

In the Mideast, nonfarm personal income increased 0.2 percent in the first quarter, down from a 0.8-percent increase in the fourth quarter and a 1.4-percent increase in the third. Payroll declines in durables manufacturing and in construction were larger in the first quarter than in the fourth; construction payrolls have been down for seven of the past eight quarters. Payrolls in nondurables manufacturing and in wholesale trade declined in the

first quarter after fourth-quarter gains. Payrolls in the finance-insurance-real estate group and in services grew slower in the first quarter than in the fourth. By State, nonfarm income growth slowed in New York and Pennsylvania; in Delaware and New Jersey, it declined in the first quarter after increasing in the fourth. In Maryland, nonfarm income increased slightly more in the first quarter than in the fourth.

In the Southwest, nonfarm personal income increased 0.8 percent in the first quarter, down from a 1.3-percent increase in the fourth quarter and a 2.0-percent increase in the third. The first-quarter slowdown reflected payroll declines in construction and in the transportation-public utilities group after fourth-quarter gains; the decline in construction was the first in

2 years. In addition, payrolls in trade and in services grew slower in the first quarter than in the fourth. Nonfarm income growth slowed in all Southwest States except Arizona.

In the Southeast, nonfarm personal income, in contrast to that in the other regions, increased slightly more in the first quarter (0.6 percent) than in the fourth (0.5 percent). Payrolls in nondurables manufacturing and in government increased in the first quarter after declining in the fourth; payrolls in the finance-insurance-real estate group increased after no change. By State, nonfarm income growth picked up in North Carolina, West Virginia, Arkansas, South Carolina, Tennessee, and Mississippi. It was unchanged in Georgia, and it slowed in Florida, Alabama, Louisiana, Virginia, and Kentucky.

State Personal Income, Summary Estimates for First Quarter 1991

Table 1.—Total Personal Income, States and Regions
[Millions of dollars, seasonally adjusted at annual rates]

State and region	1989				1990				1991	Percent change	
	I	II	III	IV	I ^r	II ^r	III ^r	IV ^r	I ^p	1990:IV-1991:I	1990:I-1991:I
United States¹	4,284,521	4,344,107	4,384,651	4,456,325	4,562,866	4,625,886	4,685,212	4,732,538	4,747,047	0.3	4.0
New England	277,640	281,079	283,170	285,236	288,332	291,834	294,753	294,844	293,151	-0.6	1.7
Connecticut	78,917	80,085	80,721	81,609	81,859	83,374	84,260	85,289	84,824	-5	3.6
Maine	19,756	20,006	20,146	20,357	20,778	21,003	21,261	21,082	21,039	-2	1.3
Massachusetts	129,633	131,132	132,189	132,937	134,543	135,790	137,124	136,783	135,997	-6	1.1
New Hampshire	22,304	22,475	22,578	22,586	22,744	23,031	23,209	23,017	22,583	-1.9	-7
Rhode Island	17,797	18,038	18,146	18,298	18,712	18,868	19,028	18,910	18,927	.1	1.1
Vermont	9,233	9,343	9,390	9,448	9,696	9,769	9,871	9,764	9,781	.2	.9
Mideast	872,888	887,018	896,698	909,162	925,635	939,259	951,827	958,412	960,768	.2	3.8
Delaware	12,364	12,572	12,673	12,836	13,205	13,287	13,461	13,461	13,402	-4	1.5
District of Columbia	13,797	13,982	13,866	14,248	14,426	14,589	14,700	14,979	15,192	1.4	5.3
Maryland	96,010	97,649	98,799	100,179	102,635	103,885	105,207	105,528	106,065	.5	3.3
New Jersey	180,067	182,748	184,902	186,774	189,164	192,181	195,229	196,408	196,110	-2	3.7
New York	365,079	372,009	375,654	381,986	389,088	394,217	399,182	402,780	403,928	.3	3.8
Pennsylvania	205,571	208,059	210,804	213,138	217,118	221,100	224,024	225,257	226,071	.4	4.1
Great Lakes	719,095	727,108	734,230	743,441	757,241	769,020	777,298	785,492	787,641	.3	4.0
Illinois	215,986	218,783	220,814	224,504	228,765	231,217	233,240	238,279	239,937	.7	4.9
Indiana	87,522	88,366	88,649	89,457	92,401	92,837	94,404	94,777	95,055	.2	2.9
Michigan	159,440	161,486	163,901	165,614	166,146	169,634	172,280	172,806	171,796	-6	3.4
Ohio	176,669	178,352	180,458	182,046	185,640	189,944	190,895	192,599	193,121	.3	4.0
Wisconsin	79,478	80,123	80,408	81,819	84,289	85,388	86,478	86,930	87,732	.9	4.1
Plains	287,471	290,443	290,792	298,956	308,231	310,924	311,253	318,874	318,636	-.1	3.4
Iowa	44,399	44,280	44,111	45,357	48,402	47,614	47,715	48,132	49,585	3.0	2.4
Kansas	40,731	41,454	41,168	42,693	43,746	44,106	44,138	46,205	45,176	-2.1	3.3
Minnesota	74,940	76,238	77,001	79,028	80,344	82,379	82,529	83,545	83,957	.5	4.5
Missouri	83,229	84,406	85,232	86,589	88,080	89,171	90,005	91,020	90,788	-.3	3.1
Nebraska	25,201	25,253	24,951	25,682	27,339	27,249	26,867	27,508	28,077	2.1	2.7
North Dakota	9,119	8,923	8,667	9,438	9,476	9,501	9,123	10,950	9,841	-10.1	3.9
South Dakota	9,852	9,888	9,662	10,169	10,844	10,904	10,875	11,514	11,211	-2.6	3.4
Southeast	898,969	910,294	915,121	932,920	959,533	971,785	985,287	988,197	995,404	.7	3.7
Alabama	55,397	56,154	56,396	57,199	58,863	59,945	60,363	60,729	61,055	.5	3.7
Arkansas	31,358	31,152	30,994	31,540	33,249	33,308	33,544	34,687	34,687	3.4	4.3
Florida	218,341	222,847	226,182	230,272	235,635	239,552	242,910	243,788	244,407	.3	3.7
Georgia	101,759	102,913	103,796	104,886	107,952	109,451	110,943	110,911	111,103	.2	2.9
Kentucky	50,928	51,103	51,605	52,416	54,298	54,551	55,451	55,992	56,640	1.2	4.3
Louisiana	55,913	56,380	56,655	57,597	59,647	60,399	61,266	62,107	63,152	1.7	5.9
Mississippi	30,803	30,841	30,874	31,250	32,332	32,666	33,061	33,190	33,835	1.9	4.6
North Carolina	98,778	100,040	100,417	102,435	105,436	106,745	108,871	107,762	108,176	.4	2.6
South Carolina	47,925	48,394	48,621	49,682	51,302	52,432	53,224	53,431	53,804	.7	4.9
Tennessee	71,487	72,383	73,078	74,080	75,975	76,715	77,783	78,283	79,095	1.0	4.1
Virginia	113,266	115,262	116,398	118,123	120,527	121,616	123,010	123,446	123,999	.4	2.9
West Virginia	23,015	22,825	23,107	23,439	24,316	24,405	24,858	25,025	25,449	1.7	4.7
Southwest	378,341	383,110	386,437	395,078	404,555	411,700	418,660	425,047	427,400	.6	5.6
Arizona	55,282	55,957	56,715	57,455	58,512	59,330	60,404	60,848	61,522	1.1	5.1
New Mexico	19,621	20,032	20,276	20,731	20,965	21,246	21,877	22,275	22,377	.5	6.7
Oklahoma	44,954	45,314	45,528	46,659	47,710	48,231	48,810	49,967	49,673	-6	4.1
Texas	258,484	261,807	263,917	270,232	277,369	282,894	287,568	291,956	293,828	.6	5.9
Rocky Mountain	110,090	111,967	112,700	115,957	118,061	120,095	121,288	125,173	124,788	-.3	5.7
Colorado	56,796	57,670	58,250	59,593	60,489	61,587	62,290	63,960	64,044	.1	5.9
Idaho	13,650	13,888	13,873	14,400	15,015	15,207	15,222	15,636	15,646	.1	4.2
Montana	11,144	11,322	11,216	11,889	11,764	11,859	11,755	12,949	12,238	-5.5	4.0
Utah	21,698	22,236	22,462	23,017	23,535	24,041	24,539	24,961	25,280	1.3	7.4
Wyoming	6,802	6,851	6,899	7,058	7,258	7,401	7,481	7,668	7,580	-1.1	4.4
Far West	709,610	721,653	733,135	742,870	767,865	777,100	789,900	800,929	803,388	.3	4.6
California	564,143	572,714	581,541	587,337	608,085	614,816	624,461	632,646	634,470	.3	4.3
Nevada	20,238	20,827	21,318	21,966	22,564	22,963	23,670	23,973	24,148	.7	7.0
Oregon	43,751	44,754	45,403	46,609	47,570	48,521	49,261	50,015	50,246	.5	5.6
Washington	81,478	83,358	84,873	86,959	89,646	90,800	92,508	94,523	94,523	.2	5.4
Alaska	10,702	11,224	11,602	11,489	11,704	11,978	12,155	12,333	12,555	1.8	7.3
Hawaii	19,715	20,211	20,767	21,218	21,709	22,189	22,792	23,237	23,315	.3	7.4
Census Divisions											
New England	277,640	281,079	283,170	285,236	288,332	291,834	294,753	294,844	293,151	-0.6	1.7
Middle Atlantic	750,717	762,815	771,560	781,898	795,370	807,499	818,435	824,444	826,109	.2	3.9
East North Central	719,095	727,108	734,230	743,441	757,241	769,020	777,298	785,492	787,641	.3	4.0
West North Central	287,471	290,443	290,792	298,956	308,231	310,924	311,253	318,874	318,636	-.1	3.4
South Atlantic	725,255	736,484	740,858	756,100	775,434	785,962	797,208	798,331	801,597	.4	3.4
East South Central	208,615	210,481	211,952	214,946	221,468	223,876	226,660	228,194	230,625	1.1	4.1
West South Central	390,709	394,653	397,095	406,028	417,974	424,832	431,189	437,563	441,341	.9	5.6
Mountain	205,230	208,783	211,009	216,109	220,101	223,634	227,239	232,269	232,836	.2	5.8
Pacific	719,788	732,260	744,187	753,612	778,714	788,304	801,177	812,526	815,110	.3	4.7

^r Revised.

^p Preliminary.

1. The personal income level shown for the United States is derived as the sum of the State estimates; it differs from the national income and product accounts (NIPA) estimate of personal income because, by definition, it omits the earnings of Federal civilian and military personnel stationed abroad and of U.S. residents

employed abroad temporarily by private U.S. firms. It can also differ from the NIPA estimate because of different data sources and revision schedules.

NOTE.—The quarterly estimates of State personal income were prepared by Francis G. McFaul, James P. Stehle, Isabelle B. Whiston, and James M. Zavrel, under the supervision of Robert L. Brown.

Table 2.—Nonfarm Personal Income, States and Regions

[Millions of dollars, seasonally adjusted at annual rates]

State and region	1989				1990				1991	Percent change	
	I	II	III	IV	I ^r	II ^r	III ^r	IV ^r	I ^p	1990:IV-1991:I	1990:I-1991:I
United States	4,221,568	4,290,618	4,344,538	4,407,864	4,496,997	4,567,830	4,636,402	4,680,101	4,695,005	0.3	4.4
New England	276,820	280,349	282,475	284,501	287,421	291,012	293,947	294,199	292,411	-6	1.7
Connecticut	78,727	79,915	80,564	81,445	81,616	83,172	84,059	85,124	84,627	-6	3.7
Maine	19,608	19,879	20,023	20,216	20,638	20,881	21,141	20,962	20,920	-2	1.4
Massachusetts	129,384	130,909	131,981	132,725	134,276	135,552	136,895	136,606	135,779	-6	1.1
New Hampshire	22,247	22,422	22,525	22,535	22,678	22,965	23,143	22,967	22,528	-19	-7
Rhode Island	17,749	17,996	18,107	18,256	18,662	18,820	18,980	18,872	18,885	1	1.2
Vermont	9,105	9,227	9,275	9,324	9,552	9,623	9,730	9,668	9,673	1	1.3
Mideast	869,701	884,096	894,160	906,486	922,069	935,958	948,623	955,851	958,021	.2	3.9
Delaware	12,148	12,371	12,513	12,667	13,002	13,112	13,307	13,324	13,248	-6	1.9
District of Columbia	13,797	13,982	13,866	14,248	14,426	14,589	14,700	14,979	15,192	1.4	5.3
Maryland	95,462	97,219	98,434	99,794	102,032	103,432	104,757	105,171	105,671	.5	3.6
New Jersey	179,719	182,431	184,635	186,494	188,799	191,811	194,896	196,126	195,805	-2	3.7
New York	364,167	371,113	374,886	381,196	388,112	393,274	398,275	402,069	403,122	.3	3.9
Pennsylvania	204,408	206,980	209,826	212,087	215,698	219,740	222,688	224,182	224,982	.4	4.3
Great Lakes	709,367	718,911	728,895	737,608	747,189	761,485	771,834	779,177	780,332	.1	4.4
Illinois	212,667	216,215	219,178	222,752	225,597	229,262	232,210	236,835	237,759	.4	5.4
Indiana	86,034	87,083	87,888	88,578	90,671	91,649	93,587	94,033	93,784	-3	3.4
Michigan	158,287	160,413	163,172	164,852	164,839	168,645	171,483	172,001	170,791	-7	3.6
Ohio	175,429	177,264	179,746	181,262	184,082	188,711	189,959	191,582	191,917	.2	4.3
Wisconsin	76,951	77,936	78,910	80,163	81,999	83,217	84,595	85,456	86,081	.7	5.0
Plains	274,835	280,254	284,307	289,137	292,740	298,228	302,199	305,482	306,709	.4	4.8
Iowa	41,001	41,833	42,307	43,235	43,858	44,521	45,226	45,725	46,139	.9	5.2
Kansas	39,591	40,203	40,669	41,321	41,907	42,520	43,250	43,649	43,752	.2	4.4
Minnesota	72,277	74,244	75,478	77,045	77,284	79,529	80,342	81,445	81,488	.1	5.4
Missouri	82,150	83,449	84,708	85,615	86,917	88,233	89,324	89,973	89,990	0	3.5
Nebraska	22,815	23,228	23,615	24,040	24,528	25,002	25,295	25,719	26,080	1.4	6.3
North Dakota	8,267	8,381	8,499	8,662	8,789	8,853	8,990	9,114	9,243	1.4	5.2
South Dakota	8,733	8,917	9,032	9,219	9,456	9,570	9,771	9,858	10,016	1.6	5.9
Southeast	882,892	897,137	904,887	922,033	945,023	958,961	973,695	978,344	984,094	.6	4.1
Alabama	54,191	55,125	55,526	56,304	57,810	58,838	59,401	59,942	60,294	.6	4.3
Arkansas	28,973	29,488	29,984	30,532	31,367	31,775	32,393	32,575	33,031	1.4	5.3
Florida	215,530	220,263	223,971	228,082	233,206	237,476	240,531	241,910	242,617	.3	4.0
Georgia	100,130	101,459	102,555	103,705	106,549	108,148	109,776	109,981	110,152	.2	3.4
Kentucky	49,402	49,854	50,606	51,194	52,673	53,272	54,315	54,886	55,438	1.0	5.2
Louisiana	54,899	55,787	56,347	57,237	58,676	59,581	60,700	61,621	62,349	1.2	6.3
Mississippi	29,542	30,035	30,338	30,660	31,372	31,852	32,394	32,628	32,968	1.0	5.1
North Carolina	96,718	98,180	98,886	100,753	103,347	104,801	107,047	106,239	106,559	.7	3.1
South Carolina	47,406	47,924	48,270	49,241	50,926	52,110	52,966	53,132	53,506	.7	5.0
Tennessee	70,574	71,690	72,538	73,433	75,092	75,923	77,105	77,616	78,436	1.1	4.5
Virginia	112,569	114,555	115,793	117,498	119,759	120,850	122,276	122,845	123,355	.4	3.0
West Virginia	22,957	22,768	23,055	23,394	24,247	24,336	24,790	24,969	25,391	1.7	4.7
Southwest	371,230	377,380	382,568	389,602	396,823	404,253	412,343	417,708	420,986	.8	6.1
Arizona	54,502	55,392	56,213	56,891	57,932	58,829	59,889	60,411	61,082	1.1	5.4
New Mexico	19,330	19,744	19,999	20,303	20,641	20,951	21,528	21,832	22,084	1.2	7.0
Oklahoma	43,564	44,143	44,647	45,433	46,183	46,836	47,528	48,215	48,612	.8	5.3
Texas	253,834	258,101	261,709	266,974	272,068	277,636	283,399	287,251	289,208	.7	6.3
Rocky Mountain	107,550	109,529	110,904	112,947	115,245	117,236	119,226	121,359	122,568	1.0	6.4
Colorado	55,958	56,806	57,605	58,568	59,557	60,648	61,565	62,811	63,270	.7	6.2
Idaho	12,701	13,003	13,155	13,449	13,910	14,085	14,380	14,573	14,861	2.0	6.8
Montana	10,650	10,879	10,973	11,171	11,421	11,498	11,684	11,834	11,934	.8	4.5
Utah	21,489	22,030	22,286	22,772	23,238	23,746	24,251	24,664	25,042	1.5	7.8
Wyoming	6,753	6,810	6,885	6,986	7,119	7,259	7,347	7,477	7,462	-2	4.8
Far West	699,017	711,779	724,221	733,102	757,367	766,818	779,879	791,938	794,285	.3	4.9
California	556,417	565,546	575,025	580,473	600,715	607,434	617,195	626,863	628,072	.2	4.6
Nevada	20,151	20,749	21,251	21,893	22,537	22,936	23,645	23,942	24,122	.7	7.0
Oregon	42,678	43,758	44,511	45,537	46,458	47,379	48,249	48,857	49,293	.9	6.1
Washington	79,772	81,725	83,434	85,198	87,657	89,068	90,791	92,276	92,799	.6	5.9
Alaska	10,691	11,214	11,592	11,476	11,692	11,966	12,143	12,321	12,545	1.8	7.3
Hawaii	19,464	19,970	20,529	20,973	21,428	21,912	22,512	22,982	23,053	.3	7.6
	Census Divisions										
New England	276,820	280,349	282,475	284,501	287,421	291,012	293,947	294,199	292,411	-0.6	1.7
Middle Atlantic	748,294	760,524	769,347	779,777	792,609	804,825	815,859	822,377	823,909	.2	3.9
East North Central	709,367	718,911	728,895	737,608	747,189	761,485	771,834	779,177	780,332	.1	4.4
West North Central	274,835	280,254	284,307	289,137	292,740	298,228	302,199	305,482	306,709	.4	4.8
South Atlantic	716,717	728,730	734,342	749,382	767,493	778,854	790,150	792,550	795,690	.4	3.7
East South Central	203,710	206,704	209,027	211,592	216,947	219,885	223,216	225,072	227,135	.9	4.7
West South Central	381,271	387,520	392,687	400,176	408,293	415,829	424,020	429,661	433,200	.8	6.1
Mountain	201,533	205,414	208,367	212,034	216,354	219,952	224,288	227,544	229,856	1.0	6.2
Pacific	709,021	722,214	735,091	743,657	767,949	777,760	790,890	803,298	805,762	.3	4.9

^r Revised.^p Preliminary.

NOTE.—Nonfarm personal income is total personal income less farm earnings.

Data Availability

Quarterly estimates for the years 1969–88 are available from the Regional Economic Information System, Regional Economic Measurement Division, BE-55, Bureau of Economic Analysis, U. S. Department of Commerce, Washington, DC 20230, or call (202) 254-6630.

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BUSINESS CYCLE INDICATORS

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NOTE.—This section of the SURVEY is prepared by the Statistical Indicators Branch.

Series no.	Series title and timing classification	1990												1991					
		1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June			
1. CYCLICAL INDICATORS																			
1.1 Composite Indexes																			
The Leading Index																			
910 ♦	Composite index of leading indicators, 1982=100 (L,L,L)	143.9	146.0	146.2	146.2	144.4	143.2	141.5	139.7	139.4	138.7	140.2	141.4	141.8	142.9	143.6			
♦	Percent change from previous month	-3	.6	.1	0	-1.2	-8	-1.2	-1.3	-2	-5	1.1	.9	1.3	.8	.5			
♦	Percent change over 1-month span, AR	-3.7	6.8	1.7	0	-13.8	-9.5	-13.4	-14.2	-2.5	-5.8	13.8	10.8	3.4	9.7	6.0			
♦	Percent change over 3-month span, AR	-3.8	2.2	2.8	-4.3	-8.0	-12.3	-12.4	-10.2	-7.7	1.4	5.9	9.2	7.9	6.4	.....		
Contributions of leading index components: ¹																			
(1)	Average weekly hours, mfg. (L,L,L)	0	.15	.07	-.07	.07	0	-.22	-.15	.08	-.23	-.08	0	-.08	-.15	.30			
(5)	Average weekly initial claims for unemployment insurance (inverted) (L,C,L) ‡	-.06	.08	-.04	-.01	-.12	-.17	-.23	-.21	.02	.08	-.21	-.20	.23	.24	.10			
(8)	New orders in 1982\$, consumer goods and materials (L,L,L)	-.50	.17	-.14	-.03	.13	-.20	.04	-.32	-.29	.05	-.06	-.19	.35	-.13	-.14			
(32)	Vendor performance, slower deliveries diffusion index (L,L,L) .....	.02	.04	.11	-.12	.15	-.05	-.04	.05	-.13	-.15	0	-.04	.11	.04	.06		
(20)	Contracts and orders for plant and equipment in 1982\$ (L,L,L)	-.15	-.01	-.04	-.21	-.28	.28	.03	-.24	.22	-.06	-.08	-.07	-.12	-.01	-.02			
(29)	Building permits, new private housing units (L,L,L)	-.12	-.12	.12	-.07	-.09	-.16	-.21	-.03	-.20	-.18	.25	.05	.07	.16	.10			
(92)	Change in unfilled orders in 1982\$, durable goods, smoothed (L,L,L) †	-.09	-.12	-.25	-.10	-.16	-.11	.02	-.28	-.07	0	.07	-.06	-.13	-.09	-.13			
(99)	Change in sensitive materials prices, smoothed (L,L,L) † .....	.03	.25	.16	.12	.08	-.01	-.15	-.30	-.18	-.10	-.05	-.03	-.02	-.05	-.03		
(19)	Stock prices, 500 common stocks, NSA (L,L,L)	-.03	.19	.16	-.01	-.47	-.26	-.15	.14	.23	-.05	.59	.15	.11	-.02	0			
(106)	Money supply M2 in 1982\$ (L,L,L)	-.09	-.10	-.09	-.08	-.15	-.12	-.16	-.12	-.06	-.11	.16	.23	.01	-.02	-.03			
(83)	Index of consumer expectations, NSA (L,L,L)	-.10	-.17	-.10	.03	-.53	-.15	-.29	.07	.03	.06	.25	.83	-.36	-.12	.16			
950	Diffusion index of 11 leading indicator components:																		
♦	Percent rising over 1-month span	38.3	54.5	45.5	27.3	36.4	13.6	27.3	27.3	45.5	36.4	59.1	40.9	63.6	72.7	54.5			
♦	Percent rising over 6-month span	32.2	45.5	27.3	31.8	9.1	9.1	0	18.2	18.2	27.3	54.5	72.7	.....	.....	.....
The Coincident Index																			
920 ♦	Composite index of coincident indicators, 1982=100 (C,C,C)	133.1	134.4	134.9	134.6	134.4	133.3	131.8	130.4	129.3	127.3	126.6	126.0	126.2	126.6	127.0			
♦	Percent change from previous month	-3	.5	.4	-.2	-.1	-.8	-1.1	-1.1	-.8	-1.5	-.5	-.5	.2	.3	.3			
♦	Percent change over 1-month span, AR	-3.1	6.5	4.6	-2.6	-1.8	-9.4	-12.7	-12.0	-9.7	-17.1	-6.4	-5.5	1.9	3.9	3.9			
♦	Percent change over 3-month span, AR	-3.1	2.1	2.7	0	-4.7	-8.1	-11.4	-11.5	-13.0	-11.2	-9.8	-.3	0	3.2	.....		
Contributions of coincident index components: ¹																			
(41)	Employees on nonagricultural payrolls (C,C,C) .....	.04	.31	.15	-.06	-.09	0	-.13	-.19	-.10	-.15	-.19	-.19	-.12	-.09	-.05		
(51)	Personal income less transfer payments in 1982\$ (C,C,C)	-.03	.01	.06	.13	-.23	-.19	-.55	.10	.22	-.82	-.02	.15	-.14	.07	.30			
(47)	Industrial production (C,C,C)	-.03	.15	.18	.08	.03	.03	-.18	-.41	-.28	-.16	-.24	-.18	-.13	.18	.24			
(57)	Manufacturing and trade sales in 1982\$ (C,C,C)	-.92	.23	.15	-.16	.29	-.46	-.06	-.40	-.53	-.22	.11	-.11	-.45	.22	.....		
951	Diffusion index of 4 coincident indicator components:																		
♦	Percent rising over 1-month span	54.2	100.0	100.0	50.0	50.0	25.0	0	25.0	25.0	0	25.0	25.0	50.0	100.0	66.7			
♦	Percent rising over 6-month span	52.1	100.0	50.0	75.0	0	0	0	0	0	0	0	0	0	0	.....		
The Lagging Index																			
930 ♦	Composite index of lagging indicators, 1982=100 (Lg,Lg,Lg)	118.9	119.1	118.7	119.2	118.7	118.7	118.6	118.4	119.1	119.7	119.3	119.1	117.3	115.8	114.3			
♦	Percent change from previous month	-1	-3	-3	.4	-.4	0	-1	-2	.6	.5	-.3	-.2	-.5	-1.3	-1.3			
♦	Percent change over 1-month span, AR	-4	-3.0	-4.0	5.2	-4.9	0	-1.0	-2.0	7.3	6.2	-3.9	-2.0	-16.7	-14.3	-14.5			
♦	Percent change over 3-month span, AR	-3	-1.0	-.7	-1.3	0	-2.0	-1.0	1.4	3.8	3.1	0	-.7	-11.2	-15.2	.....		
Contributions of lagging index components: ¹																			
(17)	Average duration of unemployment (inverted) (Lg,Lg,Lg) ‡	-.04	.25	-.20	-.05	-.10	-.05	.20	-.20	0	0	-.19	-.09	-.31	-.36	-.81			
(62)	Ratio, mfg. and trade inventories to sales in 1982\$ (Lg,Lg,Lg) ...	.03	-.13	-.13	.13	-.26	.13	.26	.13	.26	.26	-.13	-.13	-.26	-.26	-.09		
(109)	Change in labor cost per unit of output, mfg., smoothed (Lg,Lg,Lg) † .....	.07	.07	.03	-.03	-.05	-.03	.02	.10	.78	.17	.02	0	-.18	-.15	-.09		
(101)	Average prime rate, NSA (Lg,Lg,Lg)	-.02	0	0	0	0	0	0	0	0	-.28	-.28	-.03	0	-.29	0			
(95)	Commercial and industrial loans in 1982\$ (Lg,Lg,Lg)	-.03	-.27	.08	.05	-.25	-.15	-.56	-.03	.05	.03	.17	.41	-.40	-.38	.07			
(120)	Ratio, consumer installment credit to personal income (Lg,Lg,Lg)	-.11	.06	-.22	.09	-.09	-.06	.12	-.16	-.34	.06	-.12	-.19	-.03	-.31	-.31			
(120)	Change in Consumer Price Index for services, smoothed (Lg,Lg,Lg) † .....	.02	-.19	.05	.14	.14	.05	-.10	-.14	-.19	.24	.14	-.14	-.38	-.34	-.47		
952	Diffusion index of 7 lagging indicator components:																		
♦	Percent rising over 1-month span	47.6	50.0	50.0	64.3	35.7	35.7	64.3	35.7	57.1	78.6	42.9	21.4	21.4	14.3	30.0			
♦	Percent rising over 6-month span	41.1	50.0	50.0	50.0	50.0	35.7	35.7	35.7	42.9	42.9	14.3	0	.....	.....	.....
940 ♦	Ratio, coincident index to lagging index, 1982=100 (L,L,L)	112.0	112.8	113.6	112.9	113.2	112.3	111.1	110.1	108.6	106.3	106.1	105.8	107.6	109.3	111.1			

NOTE.—The following current high values were reached before May 1990: January 1984—BCI-940 (116.1) and October 1989—BCI-930 (120.0).

See page C-6 for other footnotes.

Series no.	Series title and timing classification	1990												1991			
		1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	
1. CYCLICAL INDICATORS — Continued																	
1.2 Employment and Unemployment																	
1*	Marginal employment adjustments:																
21*	Average weekly hours, mfg. (L,L,L)	40.8	40.9	40.9	40.9	40.9	40.9	40.7	40.6	40.7	40.4	40.3	40.3	*40.2	40.4	P 40.8	
5*	Average weekly overtime hours, mfg. (L,C,L)	3.6	3.8	3.8	3.7	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.3	3.3	3.4	P 3.7	
5*	Average weekly initial claims for unemployment insurance, thous. (L,C,L) 1/2	380	346	351	352	368	391	425	459	455	442	476	512	472	433	417	
Job vacancies:																	
46*	Index of help-wanted advertising, 1967=100 (L,L,U)	129	134	132	132	127	122	116	107	108	100	97	95	95	94	P 97	
60	Ratio, help-wanted advertising to unemployment (L,L,U)	559	598	599	575	539	512	483	434	423	386	354	330	342	324	P 330	
Employment:																	
48*	Employee hours in nonagricultural establishments, bil. hours, AR (U,C,C)	203.49	203.92	204.94	204.51	203.86	204.76	202.06	202.62	203.34	200.83	201.16	200.40	*199.43	*200.42	P 201.20	
41*	Persons engaged in nonagricultural activities, thous. (U,C,C)	114,728	114,991	114,958	114,774	114,538	114,689	114,558	114,201	114,321	113,759	113,696	113,656	114,243	113,319	113,576	
963	Employees on nonagricultural payrolls, thous. (C,C,C)	109,971	110,304	110,435	110,269	110,160	110,113	109,982	109,761	109,621	109,418	109,160	108,902	*108,736	*108,855	P 108,805	
Diffusion index of employees on private nonagricultural payrolls, 356 industries:																	
40*	Percent rising over 1-month span	48.5	52.8	48.3	46.6	47.8	45.1	41.4	40.3	42.0	38.5	36.9	38.6	*38.5	*51.0	P 45.6	
90*	Percent rising over 6-month span	43.7	47.6	44.9	42.7	38.6	37.2	34.8	30.9	28.8	26.7	*31.5	P 29.2				
40*	Employees in goods-producing industries, thous. (L,C,U)	24,958	25,141	25,093	25,027	24,937	24,842	24,705	24,481	24,375	24,181	24,039	23,877	*23,794	*23,833	P 23,762	
90*	Ratio, civilian employment to population of working age, percent (U,L,U)	62.7	63.0	62.9	62.7	62.5	62.6	62.4	62.2	62.3	61.9	61.8	61.7	62.0	61.5	61.4	
Unemployment:																	
37	Number of persons unemployed, thous. (L,L,U) 2/3	6,874	6,662	6,560	6,827	7,015	7,087	7,142	7,337	7,600	7,715	8,158	8,572	8,274	8,640	8,745	
43*	Civilian unemployment rate, percent (L,L,U) 2/3	5.5	5.3	5.3	5.5	5.6	5.7	5.7	5.9	6.1	6.2	6.5	6.8	6.6	6.9	7.0	
45	Average weekly insured unemployment rate, percent (L,L,U) 1/2	2.4	2.3	2.3	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.2	3.3	3.3	3.2	
91*	Average duration of unemployment in weeks (Lg,Lg) 2/3	12.1	11.6	12.0	12.1	12.3	12.4	12.0	12.4	12.4	12.4	12.8	13.0	13.7	12.9	14.2	
44	Unemployment rate, 15 weeks and over, percent (Lg,Lg) 2/3	1.2	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.5	1.6	1.7	1.8	1.8	2.0	
1.3 Production and Income																	
Output and income:																	
50*	Gross national product, bil. 1982\$, AR (C,C,C)	4,157.3	4,155.1			4,170.0				4,153.4				4,124.1		P 4,128.4	
49	Percent change from previous quarter, AR	1.0	1.4			1.4				-1.6				-2.8		P 1.4	
52	Value of goods output, bil. 1982\$, AR (C,C,C)	1,829.3	1,831.3			1,839.7				1,821.0				1,797.5		P 1,790.2	
51*	Personal income, bil. 1982\$, AR (C,C,C)	3,406.1	3,415.7	3,422.3	3,428.5	3,414.9	3,404.2	3,375.9	3,383.2	3,400.2	3,366.9	3,366.5	3,378.7	3,372.4	3,378.1	P 3,391.7	
53*	Personal income less transfer payments, bil. 1982\$, AR (C,C,C)	2,896.8	2,909.2	2,912.5	2,919.6	2,906.6	2,896.1	2,865.5	2,871.0	2,883.2	2,838.3	2,837.0	2,845.2	*2,837.5	*2,841.3	P 2,853.7	
53*	Wages and salaries in mining, mfg., and construction, bil. 1982\$, AR (C,C,C)	532.0	540.4	539.8	537.5	532.0	529.3	522.1	513.4	515.9	506.4	502.9	500.6	*500.4	*502.3	P 505.3	
Industrial production indexes, 1987=100:																	
47*	Total (C,C,C)	109.2	109.4	110.1	110.4	110.5	110.6	109.9	108.3	107.2	106.6	105.7	105.0	*105.5	*106.2	P 106.9	
73*	Durable manufactures (C,C,C)	111.6	112.6	113.4	113.4	113.5	113.8	112.5	109.9	107.5	107.2	106.1	105.0	*106.0	*106.6	P 107.4	
74*	Non-durable manufactures (C,L,L)	107.8	107.4	107.6	108.1	108.1	108.0	108.4	107.7	107.4	106.8	106.0	105.4	*105.8	*106.2	P 106.8	
Capacity utilization rates (percent):																	
124	Total industry (L,C,U)	83.0	83.4	83.8	83.8	83.7	83.6	83.0	81.6	80.6	80.0	79.1	78.4	*78.6	*79.0	P 79.3	
82*	Manufacturing (L,C,U)	82.3	82.9	83.1	83.1	82.9	82.8	82.2	80.7	79.4	78.9	78.0	77.2	*77.5	*77.7	P 78.1	
1.4 Consumption, Trade, Orders, and Deliveries																	
Orders and deliveries:																	
7*	Mfrs. new orders, durable goods, bil. 1982\$ (L,L,L)	1,251.12	1,081.01	1,054.44	1,071.11	1,065.54	1,043.35	1,075.54	95.40	98.70	96.39	*96.04	91.80	*95.04	*96.82	P 94.96	
8*	Mfrs. new orders, consumer goods and materials, bil. 1982\$ (L,L,L)	1,106.31	96.39	94.67	93.60	96.32	92.32	93.07	87.67	83.11	83.95	*84.84	81.87	*87.35	*89.47	P 87.13	
92*	Mfrs. unfilled orders, durable goods, mil. 1982\$ 2/3	416,065	423,364	420,903	422,577	420,696	420,570	422,157	415,078	416,065	415,859	415,953	412,651	*409,051	*406,925	P 403,128	
32*	Change from previous month, bil. 1982\$	-25	29	-2.46	1.67	-1.88	-1.3	1.59	-7.08	1.01	-2.3	0.9	-3.30	*-3.60	*-2.13	P -3.90	
32*	Change from previous month, bil. 1982\$, smoothed (L,L,L) 1/2	76	1.62	36	53	0	-31	-25	-1.13	-1.35	-1.34	-1.13	-1.31	*-1.72	*-2.01	P -2.43	
32*	Vendor performance, slower deliveries diffusion index, percent (L,L,L)	47.9	48.0	50.1	47.3	50.9	49.7	48.7	49.9	46.8	43.3	43.3	42.4	45.1	46.0	47.5	
Consumption and trade:																	
57*	Manufacturing and trade sales, mil. 1982\$ (C,C,C)	5,747,701	*483,185	*486,086	482,801	488,778	479,875	478,691	471,024	461,198	457,123	459,053	457,033	*465,330	*469,464	P 469,464	
75*	Index of industrial production, consumer goods, 1987=100 (C,L,C)	107.3	107.4	107.8	107.5	107.8	108.7	108.6	106.5	105.7	105.6	104.7	104.7	105.5	*106.4	P 107.0	
59*	Sales of retail stores, mil. 1982\$ (U,L,U)	1,467,642	*121,920	*122,779	123,057	122,476	122,401	121,268	121,488	118,849	117,118	119,724	120,307	*119,815	*120,300	P 120,188	
Indexes of consumer attitudes:																	
58	Consumer sentiment, U. of Michigan, 1966=100, NSA (L,L,L) 2/3	81.6	90.6	88.3	88.2	76.4	72.8	63.9	66.0	65.5	66.8	70.4	87.7	81.8	78.3	82.1	
83*	Consumer expectations, U. of Michigan, 1966=100, NSA (L,L,L) 2/3	70.2	79.3	76.6	77.3	62.9	58.8	50.9	52.8	53.7	55.2	62.0	84.5	74.7	71.5	75.9	
122	Consumer confidence, The Conference Board, 1985=100 (L,L,L)	91.5	107.3	102.4	101.7	84.7	85.6	62.6	61.7	61.2	55.1	59.4	81.1	79.4	76.4	P 78.0	
123*	Consumer expectations, The Conference Board, 1985=100 (L,L,L)	83.7	100.3	96.6	91.8	74.2	77.7	55.6	56.1	59.8	55.3	63.6	100.7	99.7	95.5	P 101.1	
1.5 Fixed Capital Investment																	
Formation of business enterprises:																	
12*	Index of net business formation, 1967=100 (L,L,L)	120.7	121.6	121.1	120.0	119.7	118.6	117.2	116.1	115.2	115.5	114.9	114.3	*115.0	*116.0	P 116.8	
13*	Number of new business incorporations (L,L,L)	646,625	53,616	53,784	52,088	52,382	52,454	52,181	51,422	52,060	51,991	50,384	51,536	*52,235			
Business investment commitments:																	
10	Contracts and orders for plant and equipment, bil.\$ (L,L,L)	461.31	37.67	*37.53	38.90	35.19	38.06	40.83	35.46	41.77	37.72	37.30	35.03	33.44	*32.04	P 31.91	
20*	Contracts and orders for plant and equipment, bil. 1982\$ (L,L,L) 1/2	542.02	*44.51	*43.48	46.68	41.21	*46.84	*47.36	*42.88	*47.00	*45.91	*44.32	*42.99	*40.86	*41.10	P 40.83	
27*	Mfrs. new orders, nondefense capital goods, bil. 1982\$ (L,L,L)	499.71	39.92	39.48	43.81	38.38	43.97	44.52	39.27	44.46	42.94	41.54	40.56	*37.18	*37.96	P 38.70	
9*	Construction contracts awarded for commercial and industrial buildings, mil. sq. ft. (L,C,U) 2/3	713.94	65.14	57.86	52.04	54.43	57.76	53.26	54.97	46.25	50.14	54.86	44.82	51.98	47.11	36.51	
11	Newly approved capital appropriations, mfg., bil.\$ (U,L,U)	144.50	34.78			41.89				P 34.77							
97	Backlog of capital appropriations, mfg., bil.\$ (C,Lg,Lg) 2/3	100.18		105.06			106.34			P 100.18							

NOTE.—The following current high values were reached before May 1990: May 1983—BCI-123 (124.3); November 1983—BCI-32 (67.5); March 1984—BCI-58 (101.0), BCI-83 (97.7), BCI-92 change (8.62), and BCI-92 smoothed (4.61); September 1985—BCI-9 (93.19); December 1986—BCI-13 (65,691); November 1987—BCI-46 (162); October 1988—BCI-5 (290) and BCI-53 (568.0); December 1988—BCI-7 (115.44), BCI-8 (99.79), and BCI-60 (0.741); January 1989—BCI-40 (25,406) and BCI-82 (85.1); February 1989—BCI-21 (4.0) and BCI-122 (120.7); March 1989—BCI-12 (126.5), BCI-37 (6,252), and BCI-43 (5.1); 1st Q 1989—BCI-11 (50.01); April 1989—BCI-1 (41.2) and BCI-124 (85.0); May 1989—BCI-45 (2.0); June 1989—BCI-91 (11.2); 2d Q 1989—BCI-97 (117.90); August 1989—BCI-59 (124,761); November 1989—BCI-90 (63.1); December 1989—BCI-10 (46.27), BCI-20 (51.59), and BCI-27 (46.54); and March 1990—BCI-42 (115,038).

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Series no.	Series title and timing classification	Year	1990										1991					
			1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June *	
1. CYCLICAL INDICATORS — Continued																		
1.5 Fixed Capital Investment — Continued																		
61	Business investment expenditures: New plant and equipment expenditures by business, bil.\$, AR (C,Lg,Lg)	532.96	535.49				534.86					529.02			535.32		*544.16	
100	New plant and equipment expenditures by business, bil. 1982\$, AR (C,Lg,Lg)	524.19	527.06				521.31					524.30			527.92		*536.92	
69	Mfrs.' machinery and equipment sales and business construction expenditures, bil.\$, AR (C,Lg,Lg)	471.28	*463.08	*476.48	*467.15	*476.42	*474.20	*474.64	*465.43	*472.58	*456.93	*463.83	*451.72	*459.91	*457.75			
76	Index of industrial production, business equipment, 1987=100 (C,Lg,U)	123.1	123.5	124.4	125.0	125.4	126.4	125.4	122.9	121.2	121.6	120.6	120.3	*121.4	*121.7	*121.9		
86	Gross private nonresidential fixed investment, bil. 1982\$, AR: Total (C,Lg,C)	515.4	508.4				519.3					519.4			496.8		*493.9	
87	Structures (Lg,Lg,Lg)	120.9	120.9				122.4					116.4			113.7		*112.4	
88	Producers' durable equipment (C,Lg,C)	394.6	387.5				397.0					403.1			383.1		*381.6	
28	Residential construction and investment: New private housing units started, thous., AR (L,L,L)	1,193	1,208	1,187	1,155	1,131	1,106	1,026	1,130	971	847	992	907	*977	*989	*1,040		
29	Index of new private housing units authorized by local building permits, 1967=100 (L,L,L)	89.5	86.8	89.6	86.6	84.1	78.9	73.0	73.0	68.1	64.0	69.9	71.1	*72.8	*77.0	*79.7		
89	Gross private residential fixed investment, bil. 1982\$, AR (L,L,L)	176.8	182.8				173.0					163.3			151.8		*153.2	
1.6 Inventories and Inventory Investment																		
30	Inventory investment: Change in business inventories, bil. 1982\$, AR (L,L,L)	-3.6	9.5				4.7					-26.4			-25.0		*-21.2	
31	Change in mfg. and trade inventories, bil.\$, AR (L,L,L)	16.7	*44.3	*-50.5	77.9	54.2	44.1	39.2	24.6	-66.3	54.0	-38.9	-103.0	*-32.7		*-53.1		
70	Inventories on hand: Mfg. and trade inventories, bil. 1982\$ (Lg,Lg,Lg)	692.69	700.03	696.87	700.40	699.18	698.15	697.82	697.98	692.69	695.51	693.86	687.70	*686.89	*683.77			
77	Ratio, mfg. and trade inventories to sales in 1982\$ (Lg,Lg,Lg)	1.46	1.45	1.43	1.45	1.43	1.45	1.46	1.48	1.50	1.52	1.51	1.50	1.48	1.46			
1.7 Prices, Costs, and Profits																		
Sensitive commodity prices:																		
99	Index of sensitive materials prices, 1982=100	126.34	127.54	127.36	127.58	128.04	127.79	126.53	124.31	123.91	123.38	*122.75	121.93	121.49	121.09	119.80		
98	Percent change from previous month	-18	.09	-14	.17	.36	-20	-99	-175	-32	-43	*-51	*-67	*-36	-33	-107		
	Percent change from previous month, smoothed (L,L,L) †	-27	-10	.09	.21	.30	.29	.11	-25	-47	-59	*-65	*-69	*-67	-61	-64		
	Index of producer prices for sensitive crude and intermediate materials, 1982=100 (L,L,L)	140.43	142.50	141.46	141.94	142.59	142.33	141.13	139.33	139.16	138.36	*137.63	136.70	136.14	136.82	136.54		
	Cattle hides	217.8	220.9	224.4	222.7	220.1	215.3	210.8	212.3	205.4	203.5	196.4	185.8	185.1	173.9	170.9		
	Lumber and wood products	129.7	131.2	130.3	130.3	129.9	129.3	127.8	127.4	128.0	128.6	*127.6	127.8	128.0	131.4	135.8		
	Wastepaper, news	104.2	106.9	106.8	107.3	105.6	100.6	95.4	94.4	105.8	106.2	*108.3	114.0	115.6	112.4	105.7		
	Wastepaper, mixed, NSA	86.9	92.0	90.6	90.6	89.0	82.1	81.3	81.9	81.5	75.2	*74.5	80.2	81.6	73.2	57.3		
	Wastepaper, corrugated	166.0	165.3	163.2	158.6	152.9	151.5	165.6	171.1	189.9	189.1	*188.8	194.5	188.3	174.8	158.5		
	Iron and steel scrap	166.2	174.2	169.6	170.8	174.4	174.6	170.6	167.5	164.7	158.5	152.9	151.9	149.6	147.6	137.6		
	Copper base scrap	181.5	186.2	187.8	190.2	198.8	196.0	191.4	177.3	176.0	176.2	*180.9	174.8	172.7	170.5	168.1		
	Aluminum base scrap	172.7	167.9	168.3	170.6	177.6	184.1	191.7	179.4	171.8	168.9	*167.3	160.3	152.8	140.8	130.0		
	Other nonferrous scrap, n.e.c., NSA	158.3	163.7	160.3	161.0	168.4	172.4	166.0	156.1	146.8	146.8	*146.4	145.8	144.3	140.6	132.4		
	Sand, gravel, and crushed stone	125.5	125.4	125.5	125.4	125.7	125.9	126.0	126.5	126.4	127.0	*128.6	128.7	128.0	128.0	128.1		
	Raw cotton	118.1	117.5	118.4	124.2	119.9	119.3	121.3	119.6	124.9	120.2	134.3	128.9	134.0	136.9	123.8		
	Domestic apparel wool	89.6	89.8	86.6	84.1	81.7	79.6	78.0	75.8	75.3	75.5	*66.8	58.0	56.3	65.7	75.2		
23	Index of spot market prices, raw industrial materials, 1967=100, NSA (U,L,L) ⊙ 1	310.7	314.7	317.2	319.7	321.1	320.0	313.9	303.2	301.2	296.6	293.9	292.4	294.7	290.2	285.4		
	Copper scrap, \$ per lb. ⊙	904	938	883	979	1,084	990	890	851	823	859	916	889	886	826	846		
	Lead scrap, \$ per lb. ⊙	234	227	226	255	263	256	236	193	184	179	181	193	192	180	146		
	Steel scrap, \$ per ton ⊙	107,645	116,303	117,647	114,757	111,765	111,881	106,195	105,316	106,339	100,873	99,902	100,200	99,001	95,286	90,292		
	Tin, \$ per lb., NSA ⊙	3,462	3,490	3,362	3,258	3,495	3,390	3,608	3,548	3,328	3,292	3,252	3,202	3,224	3,282	3,285		
	Zinc, \$ per lb., NSA ⊙	777	870	874	866	831	810	728	700	700	700	652	620	620	620	620		
	Burlap, \$ per yd., NSA ⊙	287	288	288	288	288	288	288	288	288	288	288	288	288	288	288		
	Cotton, \$ per lb. ⊙	712	697	707	763	756	735	739	727	723	736	822	795	795	809	736		
	Print cloth, \$ per yd., NSA ⊙	741	700	740	740	740	778	790	790	790	798	782	810	810	820	832		
	Wool tops, \$ per lb., NSA ⊙	4,893	5,000	5,000	5,000	5,000	5,250	5,240	4,712	4,600	4,600	4,600	4,312	4,260	4,300	4,525		
	Hides, \$ per lb., NSA ⊙	1,021	1,102	1,080	1,067	1,011	975	947	930	942	915	858	868	858	992	965		
	Rosin, \$ per 100 lb. ⊙	63,121	62,874	63,317	64,090	64,483	64,090	61,934	59,901	59,140	59,062	58,766	58,997	61,538	59,701	60,362		
	Rubber, \$ per lb. ⊙	464	457	455	438	460	482	475	483	490	483	484	492	453	449	446		
	Tallow, \$ per lb. ⊙	133	131	133	127	128	129	136	138	139	133	124	132	135	121	117		
	Consumer Price Index for services, 1982=84=100	139.2	137.9	138.8	139.6	140.4	141.1	141.6	142.1	142.7	143.9	144.6	144.9	145.1	145.5	145.8		
120	Percent change from previous month, AR	5.8	2.6	8.1	7.1	7.1	6.1	4.3	4.3	5.2	10.6	6.0	5.2	1.7	3.4	2.5		
	Percent change from previous month, AR, smoothed (Lg,Lg,Lg) †	5.9	5.6	5.8	6.0	6.3	6.4	6.2	5.9	5.5	6.0	6.3	6.0	5.2	4.5	3.8		
19	Index of stock prices, 500 common stocks, 1941-43=100, NSA (L,L,L)	334.59	350.25	360.39	360.03	330.75	315.41	307.12	315.29	328.75	325.49	362.26	372.28	379.68	377.99	378.29		
Profits and profit margins:																		
16	Corporate profits after tax, bil.\$, AR (L,L,L)	172.5	166.1			179.4					177.6			166.4				
18	Corporate profits after tax, bil. 1982\$, AR (L,L,L)	136.3	131.1			141.8					138.5			126.5				
22	Ratio, corporate domestic profits after tax to corporate domestic income, percent (L,L,L)	4.6	4.6			4.8					4.3			3.9				
81	Ratio, corporate domestic profits after tax with IVA and CCAadj to corporate domestic income, percent (U,L,L)	4.3	4.9			4.1					3.7			4.1				
26	Ratio, implicit price deflator to unit labor cost, all persons, nonfarm business sector, 1982=100 (L,L,L)	103.5	103.7			103.6					103.1			103.3				
35	Corporate net cash flow, bil. 1982\$, AR (L,L,L)	391.1	385.7			395.9					393.6			384.3				
Unit labor costs:																		
63	Index of unit labor cost, all persons, business sector, 1982=100 (Lg,Lg,Lg)	123.1	122.5			123.6					125.0			126.2				
	Index of labor cost per unit of output, mfg., 1987=100	101.8	101.7	101.7	101.5	101.4	101.4	101.5	101.8	104.2	103.5	103.7	104.2	*104.0	*104.3	*104.7		
	Percent change from previous month, AR	2.9	1.2	0	-2.3	-1.2	0	1.2	3.6	32.3	-7.8	2.3	5.9	*-2.3	*3.5	*4.7		
62	Percent change from previous month, AR, smoothed (Lg,Lg,Lg) †	.3	.1	.3	.1	-.2	-.4	-.3	.3	5.0	6.0	6.1	6.1	*5.0	*4.1	*3.7		
1.8 Money and Credit																		
Money:																		
85	Percent change in money supply M1 (L,L,L)	.33	-.02	.50	-.10	.72	.65	-.07	.26	.26	.16	1.17	.79	-.09	*1.13	*.80		
102	Percent change in money supply M2 (L,C,U)	.27	.09	.24	.15	.43	.36	.08	-.02	.12	.10	.70	.61	.23	*.36	*.11		
105	Money supply M1, bil. 1982\$ (L,L,L)	599.6	603.1	602.4	599.6	598.6	598.1	594.2	593.6	593.4	591.8	597.4	602.6	600.7	*605.8	*609.3		
106	Money supply M2, bil. 1982\$ (L,L,L)	2,430.9	2,451.7	2,442.9	2,437.4	2,426.3	2,417.4	2,405.4	2,396.2	2,382.2	2,384.4	2,395.9	2,412.4	*2,412.8	*2,414.6	*2,412.1		

NOTE.—The following current high values were reached before May 1990: January 1983—BCI-102 (2.79); November 1983—BCI-99 smoothed (2.09); February 1984—BCI-28 (2,260) and BCI-29 (158.5); 1st Q 1984—BCI-22 (6.9) and BCI-30 (83.4); January 1985—BCI-62 smoothed (6.3); 2d Q 1985—BCI-87 (151.4); 3d Q 1985—BCI-81 (8.6); March 1986—BCI-77 (1.58); October 1986—BCI-99 change (3.37); December 1986—BCI-85 (2.49); 4th Q 1986—BCI-89 (200.3); May 1987—BCI-105 (637.9); May 1988—BCI-106 (2,472.3); 3d Q 1988—BCI-35 (433.1); December 1988—BCI-31 (98.6); 4th Q 1988—BCI-16 (189.1), BCI-18 (163.8), and BCI-26 (104.6); March 1989—BCI-99 index (135.82); April 1989—BCI-23 (335.0); November 1989—BCI-70 (705.14); and February 1990—BCI-69 (484.43).

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Series no.	Series title and timing classification	Year		1990								1991					
		1990	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June *
1. CYCLICAL INDICATORS — Continued																	
1.8 Money and Credit — Continued																	
107	Velocity of money:																
	Ratio, gross national product to money supply M1 (C,C,C)	6.729	6.729				6.756			6.714			6.653			P 6.606	
108	Ratio, personal income to money supply M2 (C,Lg,C)	1.411	1.408	1.410	1.415	1.413	1.414	1.413	1.419	1.425	1.418	1.411	1.408	1.406		P 1.413	
Credit flows:																	
112	Net change in business loans, bil.\$, AR (L,L,L)	16.46	-19.61	5.05	42.61	42.25	55.44	-23.58	-41.34	-54.52	21.22	-43.46	49.18	-103.48	-69.97	P 2.93	
113	Net change in consumer installment credit, bil.\$, AR (L,L,L)	16.24	20.75	9.94	28.74	13.13	20.44	-1.37	11.75	-15.72	-25.67	-2.41	-3.84	14.15	-7.51		
111	Percent change in business and consumer credit outstanding, AR (L,L,L)	-1.0	-1.7	-6.0	4.8	-9	-4.4	-1.1	-5.5	-10.6	-3.8	-1.4	-2.2	-4.1	-5.9		
110	Funds raised by private nonfinancial borrowers in credit markets, mil.\$, AR (L,L,L)	400,814	430,412			414,648			194,360			P 281,776					
Credit difficulties:																	
14	Current liabilities of business failures, mil.\$, NSA (L,L,L) ‡	60,779.7	4,688.1	6,911.8	3,087.0	5,973.9	4,017.2	4,473.0	3,591.9	4,676.5	10,242.8	11,997.2	7,317.7	5,069.1	12,248.0	4,930.5	
39	Percent of consumer installment loans delinquent 30 days and over (L,L,L) ◊ ‡	2.57	2.55	2.55	2.53	2.43	2.56	2.47	2.47	2.57	2.53	2.53	2.67				
Bank reserves:																	
93	Free reserves, mil.\$, NSA (L,U,U) ‡	507	502	239	385	68	291	455	741	1,362	1,661	1,591	991	885	814	P 677	
94	Member bank borrowings from the Federal Reserve, mil.\$, NSA (L,L,U)	928	1,335	881	757	927	624	410	230	326	534	252	241	231	303	P 340	
Interest rates (percent, NSA):																	
119	Federal funds rate (L,Lg,Lg)	8.10	8.18	8.29	8.15	8.13	8.20	8.11	7.81	7.31	6.91	6.25	6.12	5.91	5.78	5.97	
114	Discount rate on new issues of 91-day Treasury bills (C,Lg,Lg) ..	7.51	7.78	7.74	7.66	7.44	7.38	7.19	7.07	6.81	6.30	5.95	5.91	5.67	5.51	5.60	
116	Yield on new issues of high-grade corporate bonds (Lg,Lg,Lg)	9.84	9.97	9.69	9.72	10.05	10.17	10.09	9.79	9.55	9.60	9.14	9.15	9.07	9.11	9.37	
115	Yield on long-term Treasury bonds (C,Lg,Lg)	8.73	8.90	8.62	8.64	8.97	9.11	8.93	8.60	8.31	8.33	8.12	8.38	8.29	8.33	8.54	
117	Yield on municipal bonds, 20-bond average (U,Lg,Lg)	7.27	7.35	7.24	7.19	7.32	7.43	7.49	7.18	7.09	7.08	6.91	7.10	7.02	6.95	7.13	
118	Secondary market yields on FHA mortgages (Lg,Lg,Lg)	10.17	10.23	10.18	10.11	10.28	10.24	10.23	9.81	9.66	9.58	9.57	9.61	9.61	9.62	9.71	
109	Average prime rate charged by banks (Lg,Lg,Lg)	10.01	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	9.52	9.05	9.00	9.00	8.50	8.50	
Outstanding debt:																	
66	Consumer installment credit outstanding, mil.\$ (Lg,Lg,Lg) ◊	735,102	729,528	730,355	732,750	733,844	735,547	735,433	736,411	735,102	732,962	732,762	732,442	733,621	732,995		
72	Commercial and industrial loans outstanding, mil.\$, (Lg,Lg,Lg)	467,049	464,789	465,210	468,761	472,282	476,902	474,937	471,492	466,949	468,717	465,095	469,193	460,570	454,739	P 454,983	
101	Commercial and industrial loans outstanding, mil. 1982\$ (Lg,Lg,Lg)	401,717	405,575	407,008	409,398	405,392	402,789	393,160	392,583	393,386	393,880	396,839	404,128	397,043	390,334	P 391,215	
95	Ratio, consumer installment credit outstanding to personal income, percent (Lg,Lg,Lg)	15.74	15.79	15.74	15.72	15.70	15.66	15.66	15.61	15.50	15.52	15.48	15.42	15.43	15.33		

1.9 Alternative Composite Indexes

990	CIBC long-leading composite index, 1967=100 ¹	237.8	236.4	237.1	237.4	237.8	239.3	240.6	240.2	234.7	233.2	235.2	235.0	238.2	239.9	240.7
991	CIBC short-leading composite index, 1967=100 ¹	202.8	205.0	204.9	204.5	204.9	203.9	202.2	199.5	199.8	199.1	197.7	199.2	200.5	203.1	205.9

2. OTHER IMPORTANT ECONOMIC MEASURES

2.1 Savings

290	Gross saving, bil.\$, AR	657.3	679.3			665.9			619.2			697.1				
295	Business saving, bil.\$, AR	607.8	611.6			605.8			610.3			625.1				
292	Personal saving, bil.\$, AR	180.1	195.1			165.5			167.5			168.7			P 150.7	
298	Government surplus or deficit, bil.\$, AR	-130.6	-127.3			-106.4			-158.6			-96.8				
293	Personal saving rate, percent	4.6	5.0			4.2			4.2			4.2			P 3.7	

2.2 Prices, Wages, and Productivity

Price Movements																
310	Implicit price deflator for gross national product, 1982=100	131.5	131.0			132.2			133.1			134.8				P 136.1
	Percent change from previous quarter, AR	4.1	4.7			3.7			2.8			5.2				P 3.9
311	Fixed-weighted price index, gross domestic business product, 1982=100	133.3	132.5			133.9			135.4			136.9				P 137.9
	Percent change from previous quarter, AR	4.5	3.7			4.1			4.7			4.6				P 2.7
Consumer Price Indexes for all urban consumers:																
320	All items, 1982-84=100, NSA	130.7	129.2	129.9	130.4	131.6	132.7	133.5	133.8	133.8	134.6	134.8	135.0	135.2	135.6	136.0
	Percent change over 1-month span	5.8	2.2	6.4	4.8	8.8	8.8	6.6	3.3	3.3	4.4	2.9	-1.1	2.2	3.3	2.2
	Percent change over 6-month span, AR	5.8	5.4	6.2	6.9	7.2	6.6	6.7	5.4	3.7	2.9	2.9	2.7	2.1	2.7	2.1
323	All items less food and energy, 1982-84=100	135.5	134.6	135.3	136.0	136.7	137.3	137.7	138.1	138.6	139.7	140.7	140.9	141.2	141.5	142.0
	Percent change over 1-month span	4.4	2.2	5.5	5.5	5.4	4.3	3.3	3.3	4.4	8.8	7.7	1.1	2.2	2.2	4.4
	Percent change over 6-month span, AR	5.4	5.5	5.3	5.1	5.3	4.9	5.5	5.9	5.3	5.1	5.0	5.0			
Producer Price Indexes:																
336	Finished goods, 1982=100	119.2	117.6	117.6	118.0	119.3	120.8	122.3	122.8	122.3	122.4	121.5	120.9	121.1	121.8	121.4
	Percent change over 1-month span	5.3	3.0	0.3	1.1	1.3	1.2	4.4	-4.4	1.1	-7.7	-5.5	-2.2	6.6	-3.3	
	Percent change over 6-month span, AR	5.1	3.3	6.1	8.9	9.0	8.2	7.6	3.7	2.2	-2.0	-1.6	-1.5	2.2	2.2	
337	Finished goods less foods and energy, 1982=100	126.6	126.2	126.4	126.8	127.1	127.5	127.8	128.4	128.6	129.6	129.9	130.0	130.2	130.7	130.7
	Percent change over 1-month span	3.8	3.6	3.4	3.5	3.5	3.5	4.5	4.5	4.0	3.8	3.6	3.3	3.3	3.3	0.0
	Percent change over 6-month span, AR	3.8	3.6	3.4	3.5	3.5	3.5	4.5	4.5	4.0	3.8	3.6	3.3	3.3	3.3	0.0
334	Finished consumer goods, 1982=100	118.2	116.4	116.3	116.6	118.3	120.2	122.1	122.6	121.7	121.6	120.5	119.7	120.0	120.8	120.0
	Percent change over 1-month span	5.4	4.4	-1.1	3.3	1.5	1.6	1.6	4.4	-7.7	-1.1	-3.3	-7.7	3.3	7.7	-7.7
	Percent change over 6-month span, AR	5.6	3.3	7.2	11.0	10.9	9.5	8.8	3.8	-8.8	-3.4	-2.9	-2.8	2.2	2.2	
333	Capital equipment, 1982=100	122.9	122.2	122.7	123.0	123.4	123.8	124.1	124.4	124.8	125.7	125.9	125.8	125.5	126.2	126.6
	Percent change over 1-month span	3.3	1.1	4.4	2.2	3.3	3.3	2.2	2.2	3.3	7.7	2.2	2.9	2.9	2.9	3.3
	Percent change over 6-month span, AR	3.5	3.3	3.1	3.3	3.6	3.5	4.4	4.1	3.3	2.3	2.9	2.9	2.9	2.9	3.3
332	Intermediate materials, supplies, and components, 1982=100	114.5	112.9	112.8	112.8	114.3	116.1	117.9	118.1	117.2	116.6	115.7	114.5	114.0	113.9	114.4
	Percent change over 1-month span	4.4	1.1	-1.1	0.3	1.3	1.6	1.6	2.2	-8.8	-5.5	-8.8	-1.0	-4.4	-1.1	1.1
	Percent change over 6-month span, AR	3.7	2.9	6.1	9.2	9.4	8.0	6.9	2.5	-2.7	-6.5	-7.0	-5.4	-4.4	0.0	1.1
331	Crude materials for further processing, 1982=100	108.9	103.1	100.6	101.0	110.2	115.6	125.4	117.6	111.2	113.2	104.5	101.4	100.9	100.9	99.0
	Percent change over 1-month span	6.6	3.3	-2.4	4.4	9.1	4.9	8.5	-6.2	-5.4	1.8	-7.7	-3.0	-5.5	0.0	-1.1
	Percent change over 6-month span, AR	8.4	5.7	20.3	48.8	30.1	22.2	25.6	-10.1	-23.1	-35.3	-26.4	-20.7			

Note.—The following current high values were reached before May 1990: July 1983—BCI-14 (829.2); February 1984—BCI-39 (1.78); May 1984—BCI-93 (-2,380) and BCI-118 (15.01); June 1984—BCI-111 (23.2), BCI-115 (13.00), BCI-116 (14.49), and BCI-117 (10.67); August 1984—BCI-94 (8,017), BCI-109 (13.00), BCI-114 (10.49), and BCI-119 (11.64); 4th Q 1984—BCI-107 (7.029); September 1985—BCI-113 (132.08); 4th Q 1985—BCI-110 (869,764); October 1989—BCI-95 (16.06); and March 1990—BCI-101 (409,697) and BCI-112 (131.06).

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Series no.	Series title and timing classification	1990												1991					
		1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June *			
2. OTHER IMPORTANT ECONOMIC MEASURES — Continued																			
2.2 Prices, Wages, and Productivity — Continued																			
Wages and Productivity																			
345	Index of average hourly compensation, all employees, nonfarm business sector, 1982=100	136.2	135.4			137.0									139.7				
	Percent change from previous quarter, AR	3.5	4.8			4.7									4.0				
346	Index of real average hourly compensation, all employees, nonfarm business sector, 1982=100	100.5	101.0			100.5									99.8				
	Percent change from previous quarter, AR	-1.8	.9			-2.1									.4				
370	Index of output per hour, all persons, business sector, 1982=100	111.9	111.9			112.1									111.8				
	Percent change over 1-quarter span, AR	-7	.6			.9									.1				
	Percent change over 4-quarter span, AR		-1			.1													
358	Index of output per hour, all persons, nonfarm business sector, 1982=100	110.8	110.7			110.9									110.8				
2.3 Labor Force and Employment																			
441	Civilian labor force, thous.	124,787	124,939	124,797	124,709	124,705	124,970	124,875	124,723	125,174	124,638	125,076	125,326	125,672	125,232	125,629			
442	Civilian employment, thous.	117,914	118,277	118,237	117,882	117,690	117,883	117,733	117,386	117,574	116,922	116,918	116,754	117,398	116,591	116,884			
	Civilian labor force participation rates (percent):																		
451	Males 20 years and over	77.8	77.9	77.8	77.7	77.7	77.9	77.8	77.8	77.9	77.3	77.4	77.6	77.7	77.4	77.5			
452	Females 20 years and over	57.9	58.1	58.0	58.0	58.1	57.9	57.7	57.5	57.8	57.6	57.8	58.1	58.1	57.8	58.2			
453	Both sexes 16-19 years of age	53.7	54.6	53.2	52.5	51.3	53.1	53.0	52.4	52.8	53.0	53.3	53.6	52.6	52.2	51.2			
2.4 Government Activities																			
Defense indicators:																			
517	Defense Department gross obligations incurred, mil.\$						32,664	26,637	P 29,150										
525	Defense Department prime contract awards, mil.\$	131,796	12,795	9,348	9,988	14,077	13,458	4,262	8,117	8,202	19,434	13,411	11,480	6,041	P 14,379				
543	Defense Department gross unpaid obligations outstanding, mil.\$						212,396	204,677	P 196,282										
548	Manufacturers' new orders, defense products, mil.\$	93,458	9,953	7,731	7,792	8,499	7,745	7,515	5,044	6,844	7,683	7,922	6,692	* 7,790	* 9,542	* 8,055			
557	Index of industrial production, defense and space equipment, 1987=100	97.2	97.6	97.6	97.8	97.7	97.3	97.3	96.2	95.8	94.4	94.5	* 93.9	92.5	* 91.6	* 91.3			
570	Employment, defense products industries, thous.	1,230	1,243	1,238	1,230	1,223	1,216	1,207	1,196	1,192	1,187	1,173	1,167	* 1,157	* 1,145				
564	Federal Government purchases of goods and services, national defense, bil.\$, AR	313.6	309.6			312.6			325.0			331.2			* 325.3				
2.5 U.S. International Transactions																			
602	Exports, excluding military aid shipments, mil.\$	393,576	32,616	33,834	32,154	32,514	32,229	34,630	33,586	33,570	34,144	33,599	34,030	* 35,632	35,303				
604	Exports of domestic agricultural products, mil.\$	38,753	3,229	3,592	3,182	3,223	3,021	3,047	3,158	2,858	2,906	3,300	3,081	3,045	3,070				
606	Exports of nonelectrical machinery, mil.\$	83,098	6,964	7,072	7,104	6,767	6,912	7,254	6,774	6,927	7,069	6,977	6,947	7,732	7,440				
612	General imports, mil.\$	495,310	40,762	40,168	41,399	41,868	41,315	44,527	43,123	39,894	41,520	39,103	38,100	* 40,139	39,878				
614	Imports of petroleum and petroleum products, mil.\$	60,884	4,095	3,563	3,594	4,365	6,502	6,927	6,332	5,353	5,385	3,846	3,872	4,054	4,100				
616	Imports of automobiles and parts, mil.\$	70,527	5,804	6,098	5,855	6,179	5,999	6,567	5,993	5,475	5,904	5,311	5,544	5,445	5,037				
618	Merchandise exports, adjusted, excluding military, mil.\$ ¹	389,550	97,088			96,638			100,580			P 100,580							
620	Merchandise imports, adjusted, excluding military, mil.\$ ¹	497,665	121,178			125,398			128,308			P 119,228							
622	Balance on merchandise trade, mil.\$ ¹	-108,115	-24,090			-28,760			-27,728			P -18,367							
2.6 International Comparisons																			
Industrial Production Indexes (1987=100)																			
47	United States	109.2	109.4	110.1	110.4	110.5	110.6	109.9	108.3	107.2	106.6	105.7	105.0	* 105.5	* 106.2	* 106.9			
721	OECD, European countries ²	111	110	111	111	111	111	111	110	110	* 111	* 111	110	P 108					
728	Japan	121.3	120.7	121.1	123.2	122.9	122.4	125.6	124.3	123.8	125.8	125.7	123.0	* 123.3	* 125.6				
725	Federal Republic of Germany	114	113	114	115	116	117	116	116	116	119	118	118	P 117					
726	France	109	109	109	112	112	110	110	108	106	110	109	106	* 109					
722	United Kingdom	103	105	107	103	102	102	102	100	100	99	101	101	P 98					
727	Italy	110.2	108.6	108.8	110.7	110.7	111.7	108.4	107.7	110.5	109.6	109.3	* 109.1	* 104.1					
723	Canada	101.4	102.8	102.7	103.1	102.0	100.4	100.3	98.6	97.2	* 97.6	* 96.4	* 96.1	P 97.2					
Consumer Price Indexes (1982=100)																			
320	United States, NSA	130.7	129.2	129.9	130.4	131.6	132.7	133.5	133.8	133.8	134.6	134.8	135.0	135.2	135.6	136.0			
	Percent change over 6-month span, AR	5.8	5.4	6.2	6.9	7.2	6.6	6.7	5.4	3.7	2.9	2.9	2.7						
738	Japan, NSA	111.4	111.6	111.0	110.9	111.4	112.4	113.9	113.5	113.2	114.1	113.8	114.3	114.8					
	Percent change over 6-month span, AR	4.0	2.4	3.3	5.1	4.4	4.9	6.8	5.4	5.1	2.0								
735	Federal Republic of Germany, NSA	112.1	111.8	111.9	111.9	112.2	112.6	113.4	113.2	113.3	114.0	114.3	114.2	114.7	115.2				
	Percent change over 6-month span, AR	2.9	2.0	2.9	4.4	4.0	3.6	3.8	3.2	2.1	1.2	2.1							
736	France, NSA	133.1	132.3	132.6	132.9	133.7	134.4	135.2	134.9	135.0	134.9	135.5	135.7	135.8	136.3				
	Percent change over 6-month span, AR	3.5	3.7	4.1	4.8	4.4	4.1	4.3	3.6	2.2	1.6								
732	United Kingdom, NSA	148.2	148.3	148.9	149.0	150.5	151.9	153.1	152.7	152.6	153.0	153.8	154.4	156.4	156.9	157.6			
	Percent change over 6-month span, AR	9.4	13.4	12.8	10.0	6.6	6.3	6.1	4.8	3.8	2.9	4.8	5.0						
737	Italy, NSA	159.5	158.0	158.7	159.3	160.3	161.2	162.6	163.6	164.2	165.4	167.0	167.4	168.2	168.8				
	Percent change over 6-month span, AR	6.5	6.4	6.3	6.7	7.5	7.1	7.1	7.1	6.8	6.6	6.5							
733	Canada, NSA	135.4	134.6	135.1	135.8	135.8	136.3	137.4	138.2	138.1	141.7	141.7	142.3	142.3	143.0	143.7			
	Percent change over 6-month span, AR	5.7	3.0	3.6	5.1	5.9	5.3	10.3	9.5	8.8	7.7	6.6	7.2						
Stock Price Indexes (1967=100, NSA)																			
19	United States	364.0	381.0	392.0	391.6	359.8	343.1	334.1	343.0	357.6	354.1	394.1	405.0	413.0	411.2	411.5			
748	Japan	1,974.9	2,142.6	2,155.2	2,119.1	1,833.0	1,644.4	1,592.1	1,572.2	1,579.4	1,542.4	1,686.8	1,785.2	1,803.2	* 1,776.2	1,712.1			
745	Federal Republic of Germany	355.6	389.5	385.3	393.7	348.9	308.8	297.8	292.4	299.9	280.5	300.8	314.8	324.2	* 333.5	* 344.4			
746	France	835.0	949.5	932.2	899.7	796.5	714.8	726.8	713.9	719.4	694.7	740.0	822.6	820.1	840.7	810.1			
742	United Kingdom	1,043.0	1,048.2	1,118.0	1,109.6	1,030.1	971.1	974.1	969.3	993.4	969.3	1,047.6	1,137.9	1,168.0	1,155.9	* 1,156.4			
747	Italy	408.5	468.9	485.6	457.4	387.9	354.4	338.4	302.2	* 305.4	289.1	318.0	336.5	342.0	* 331.6	* 343.0			
743	Canada	386.6	404.7	400.4	402.4	378.1	357.0	348.2	356.0	368.0	369.8	391.2	395.0	392.0	400.7	391.6			
Exchange Rates																			
750	Exchange value of U.S. dollar, index: March 1973=100, NSA ³	89.05	92.04	92.43	89.68	86.55	86.10	83.43	82.12	83.35	83.51	82.12	88.12	91.41	92.29	95.18			
Foreign currency per U.S. dollar (NSA):																			
758	Japan (yen)	144.82	154.04	153.70	149.04	147.46	138.44	129.59	129.22	133.89	133.70	130.54	137.39	137.11	138.22	139.75			
755	Federal Republic of Germany (d. mark)	1.6159	1.6630	1.6832	1.6375	1.5702	1.5701	1.5238	1.4857	1.4982	1.5091	1.4805	1.6122	1.7027	1.7199	1.7828			
756	France (franc)	5.4449	5.5989	5.6613	5.4924	5.2680	5.2575	5.1032	5.0020	5.0895	5.1253	5.0398	5.4862	5.7540	5.8282	6.0483			
752	United Kingdom (pound)	0.5630	0.5962	0.5847	0.5525	0.5260	0.5321	0.5140	0.5091	0.5203	0.5169	0.5091	0.5490	0.5715	0.5801	0.6062			
757	Italy (lira)	1,198.05	1,221.93	1,235.60	1,199.65	1,157.07	1,172.87	1,141.62	1,117.04	1,129.26	1,134.38	1,111.19	1,201.96	1,261.57	1,275.67	1,325.09			
753	Canada (dollar)	1.1670	1.1747	1.1730	1.1570	1.1448	1.1583	1.1600	1.1635	1.1603	1.1560	1.1549	1.1572	1.1535	1.1499	1.1439			

See footnotes on page C-6.

FOOTNOTES FOR PAGES C-1 THROUGH C-5

a	Anticipated.	NSA	Not seasonally adjusted.
AR	Annual rate.	p	Preliminary.
c	Corrected.	r	Revised.
©	Copyrighted.	♦	Graph included for this series.
e	Estimated.	§	Major revision—see notes.
*	Available data for later period(s) listed in notes.	◇	End of period.

L,C,Lg,U Cyclical indicator series are classified as L (leading), C (coincident), Lg (lagging), or U (unclassified) at reference cycle peaks, troughs, and overall. Series classifications are shown in parentheses following the series titles.

‡ Cyclical indicator series denoted by ‡ are inverted (i.e., the sign is reversed) for cyclical analysis calculations, including classifications, contributions to composite indexes, and current high values.

† Cyclical indicator series denoted by † are smoothed by an autoregressive-moving-average filter developed by Statistics Canada.

For information on composite indexes and other concepts used in this section, see "Composite Indexes of Leading, Coincident, and Lagging Indicators" in the November 1987 SURVEY OF CURRENT BUSINESS and "Business Cycle Indicators: Revised Composite Indexes" in the January 1989 SURVEY.

References to series in this section use the prefix "BCI-" followed by the series number. Unless otherwise noted, series are seasonally adjusted.

Percent change data are centered within the spans: 1-month changes are placed in the ending month, 3-month changes are placed in the 3d month, 6-month changes are placed in the 4th month, 1-quarter changes are placed in the ending quarter, and 4-quarter changes are placed in the 3d quarter.

Diffusion indexes are defined as the percent of components rising plus one-half of the percent of components unchanged. Diffusion index data are centered within the spans: 1-month indexes are placed in the ending month and 6-month indexes are placed in the 4th month.

High values reached by cyclical indicators since the last reference cycle trough (November 1982) are shown in boldface type; high values reached prior to the period shown in the table are listed at the bottom of each page. For inverted series, low values are indicated as highs.

Sources for series in this section are shown on pages C-27 and C-28 in the April 1991 SURVEY.

Page C-1

1. A component's contribution measures its impact, in percentage points, on the percent change in the index. Each month, the sum of the contributions plus the trend adjustment factor equals (except for rounding differences) the index's percent change from the previous month. The trend adjustment factors are 0.142 for the leading index, -0.186 for the coincident index, and 0.030 for the lagging index.

2. Excludes BCI-57, for which data are not available.

3. Excludes BCI-77 and BCI-95, for which data are not available.

Page C-2

NOTE.—Major data revision: Data on the value of construction put in place have been revised by the source agency to reflect the updating of the basic data, a change in methodology, and the computation of new seasonal adjustment factors. This revision affects BCI-20 (contracts and orders for plant and equipment in 1982 dollars) from 1948 forward and BCI-69 (manufacturers' machinery and equipment sales and business construction expenditures) from 1969 forward. For further information on construction put in place data, contact the U.S. Department of Commerce, Bureau of the Census, Construction Statistics Division, Washington, DC 20233. For information concerning the compilation of BCI-20 and BCI-69, contact the U.S. Department of Commerce, Bureau of Economic Analysis, Business Outlook Division, Washington, DC 20230.

1. Data exclude Puerto Rico, which is included in figures published by the source agency.

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Page C-3

NOTE.—Major data revision: Manufacturers' machinery and equipment sales and business construction expenditures (BCI-69)—see note for page C-2.

* Preliminary July values: BCI-23 = 279.8, BCI-19 = 379.24, BCI-85 = 0.35; anticipated 3d quarter values: BCI-61 = 553.52, BCI-100 = 546.41; and anticipated 4th quarter values: BCI-61 = 555.93, BCI-100 = 549.07.

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Page C-4

* Preliminary July values: BCI-119 = 5.93, BCI-114 = 5.58, BCI-116 = 9.39, BCI-115 = 8.51, BCI-117 = 7.05, and BCI-109 = 8.50.

1. This index is compiled by the Center for International Business Cycle Research (CIBCR), Graduate School of Business, Columbia University, New York, NY 10027.

Page C-5

* Preliminary July values: BCI-19 = 412.5, BCI-748 = 1,613.4, BCI-745 = 330.9, BCI-746 = 778.9, BCI-742 = 1,151.5, BCI-747 = 323.1, BCI-743 = 389.4, BCI-750 = 95.98, BCI-758 = 137.87, BCI-755 = 1,805.5, BCI-756 = 6,124.2, BCI-752 = 0.6121, BCI-757 = 1,343.61, and BCI-753 = 1.1475.

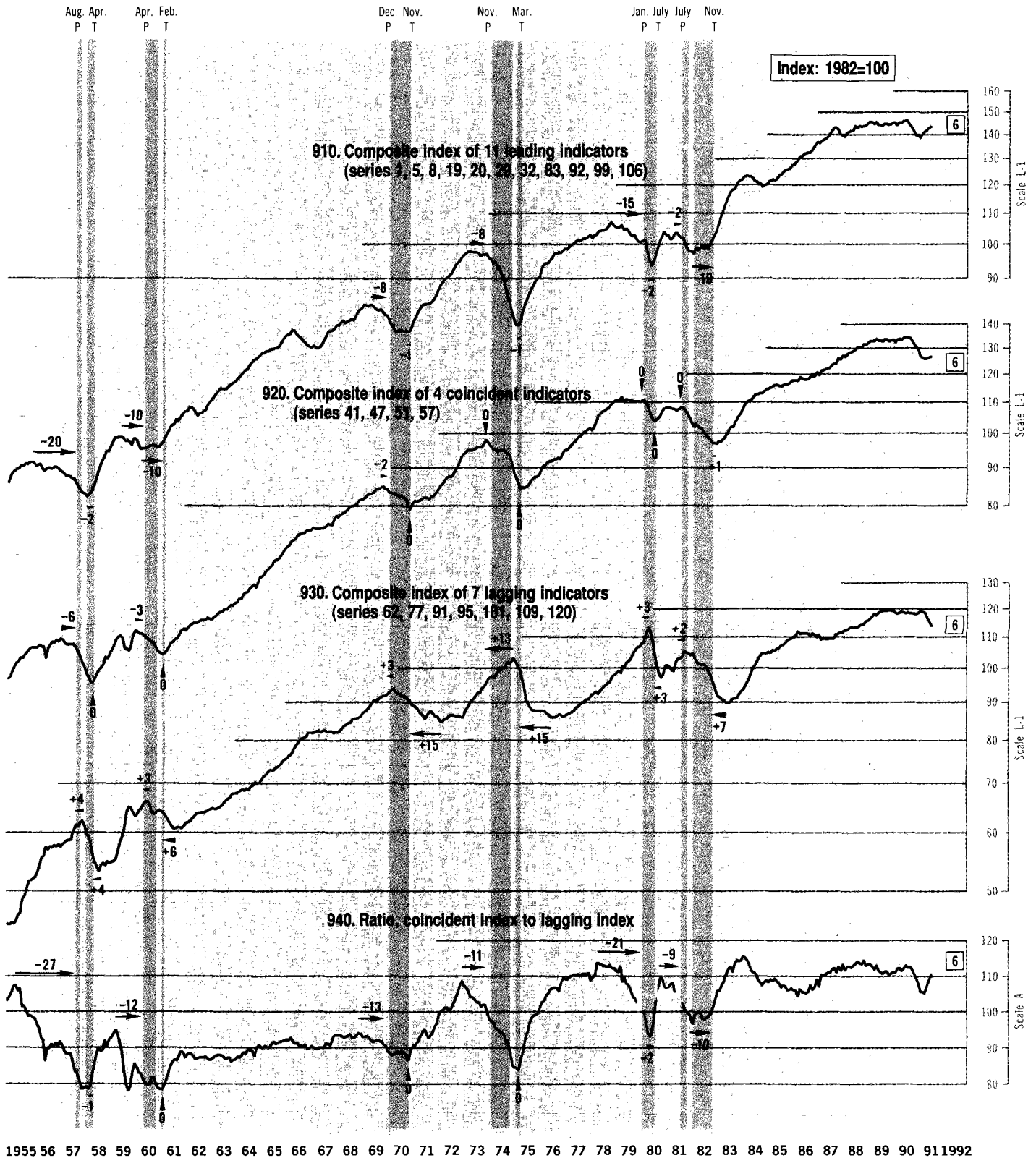
1. Balance of payments basis: Excludes transfers under military grants and Department of Defense sales contracts (exports) and Department of Defense purchases (imports).

2. Organisation for Economic Co-operation and Development.

3. This index is the weighted-average exchange value of the U.S. dollar against the currencies of the other G-10 countries plus Switzerland. Each country is weighted by its 1972-76 global trade. For a description of this index, see the August 1978 *Federal Reserve Bulletin* (p. 700).

CYCLICAL INDICATORS

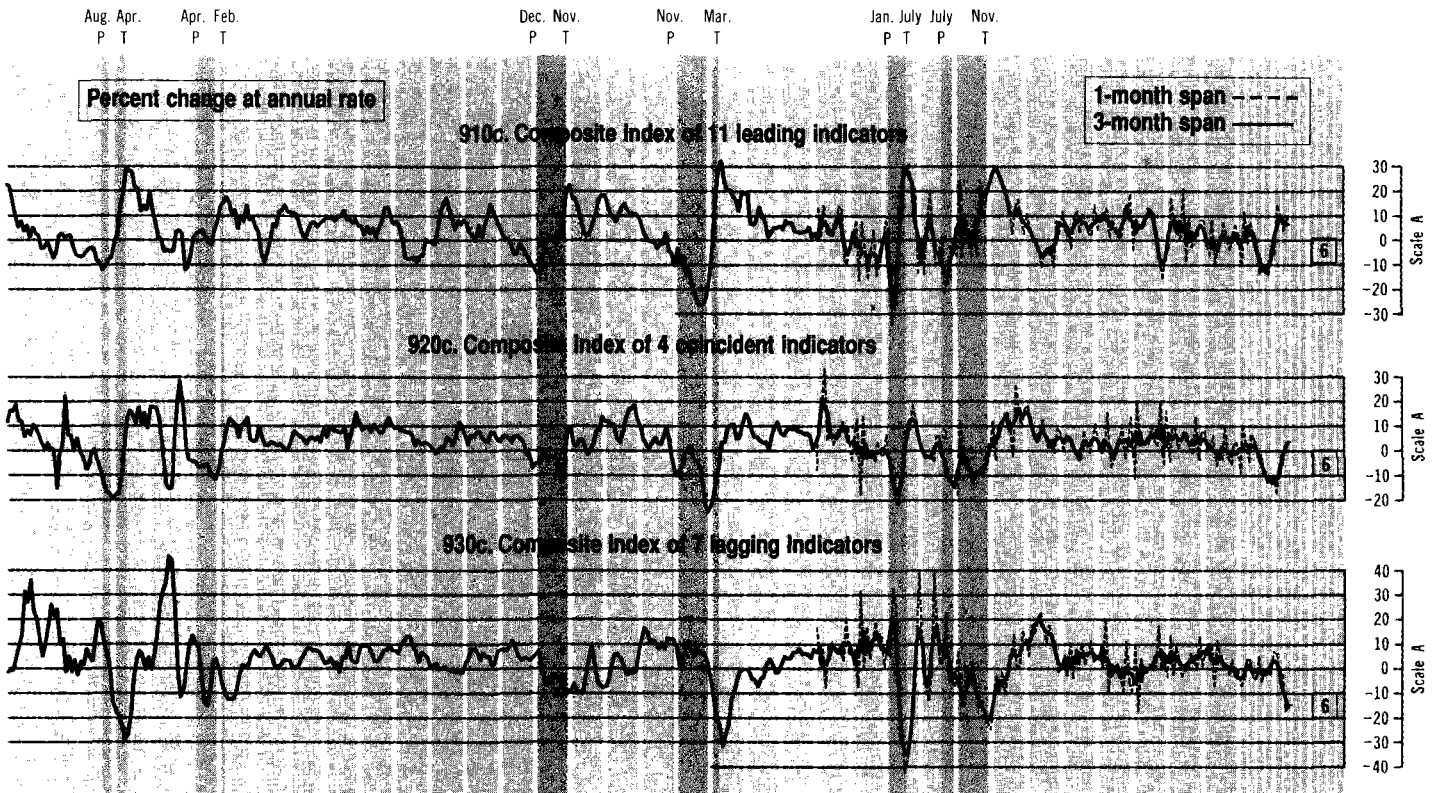
Composite Indexes



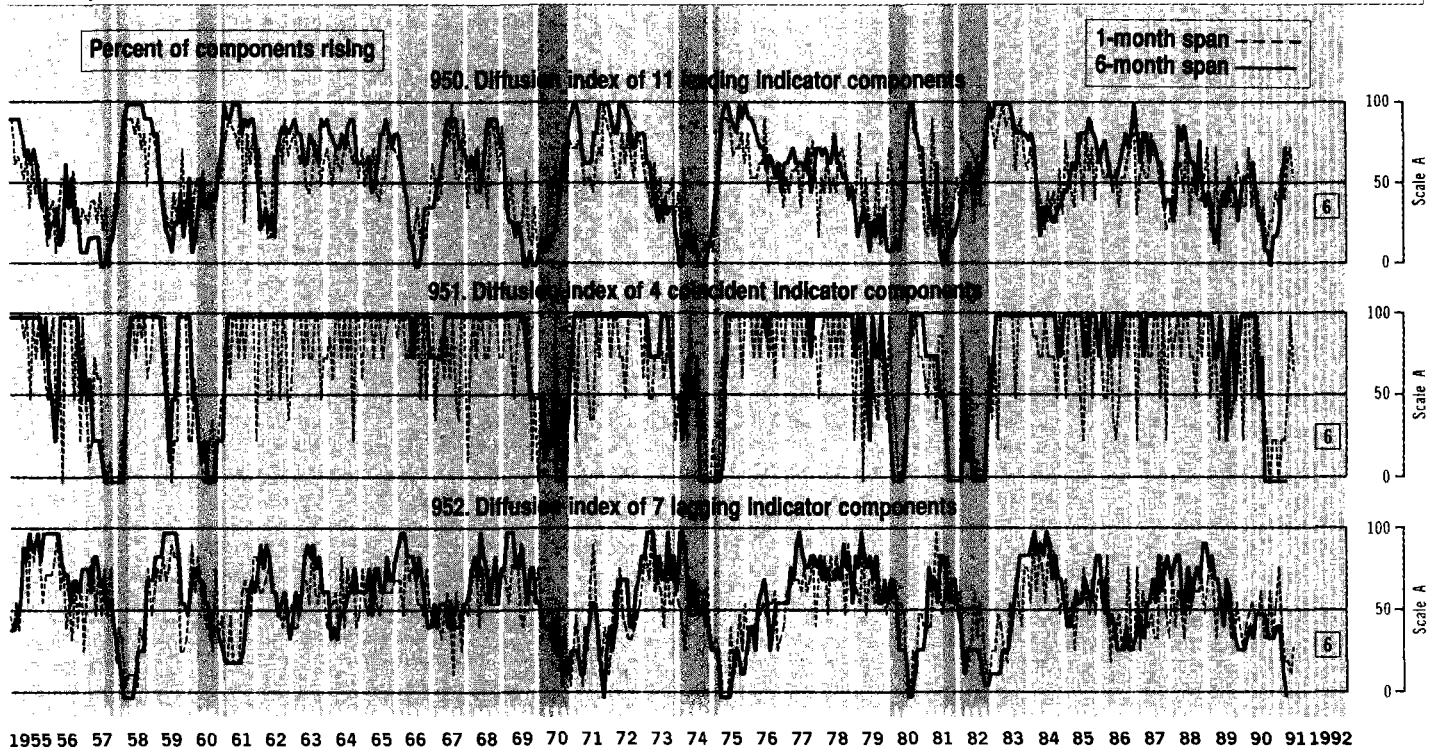
NOTE.—The numbers and arrows indicate length of leads (–) and lags (+) in months from business cycle turning dates. Current data for these series are shown on page C-1.

CYCLICAL INDICATORS

Composite Indexes: Rates of Change



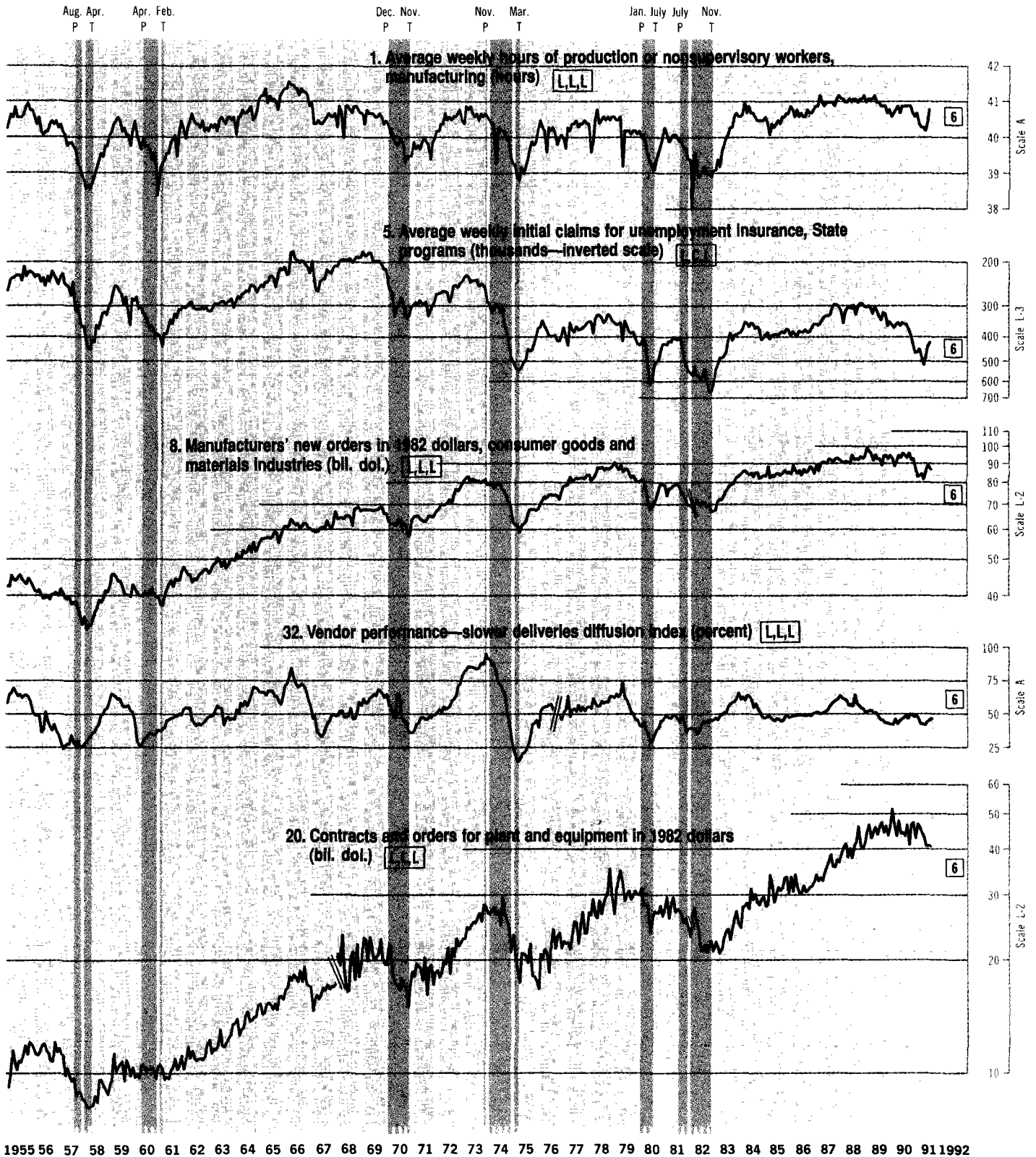
Composite Indexes: Diffusion



NOTE.—Current data for these series are shown on page C-1.

CYCLICAL INDICATORS

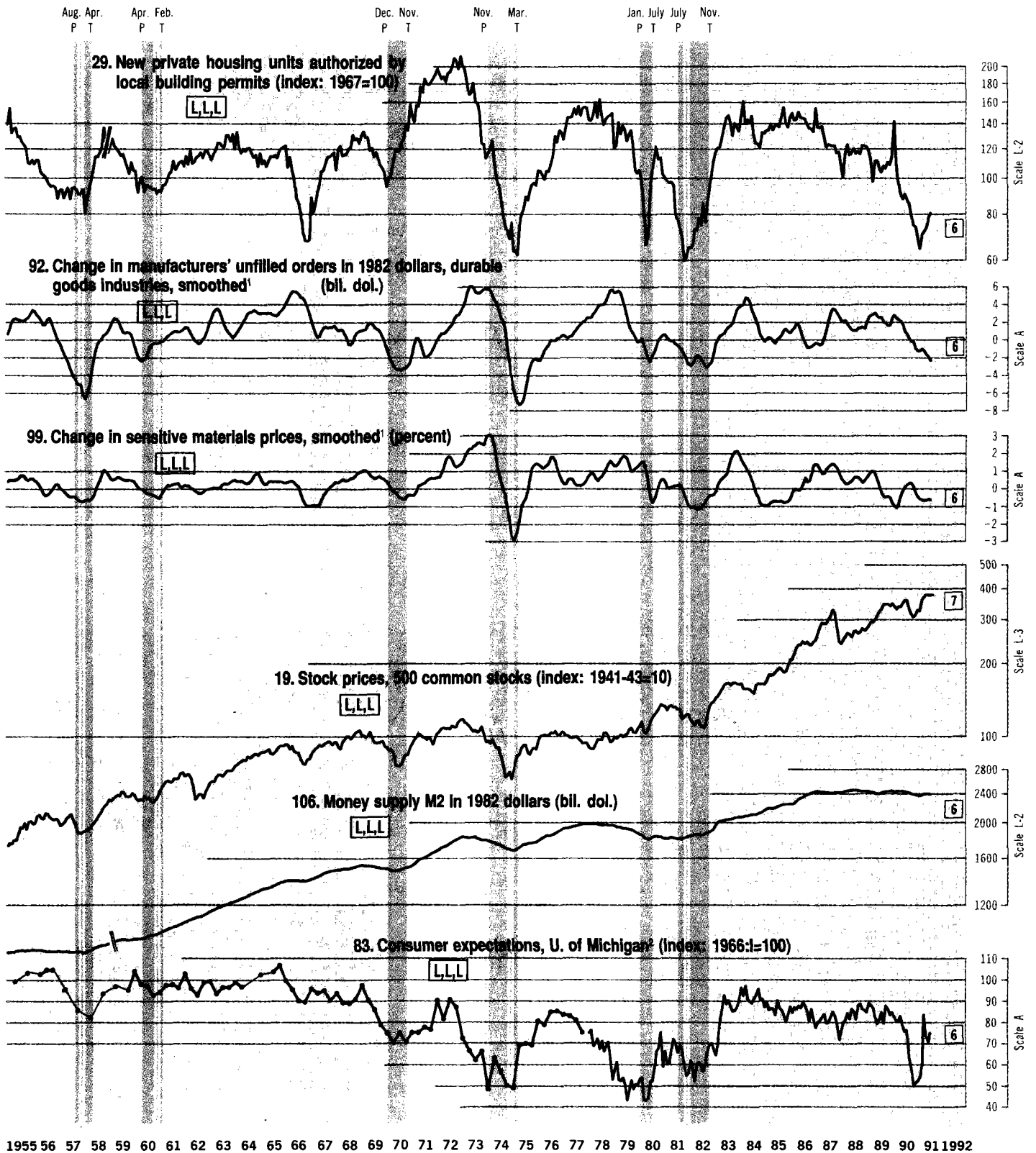
Composite Indexes: Leading Index Components



Note.—Current data for these series are shown on page C-2.

CYCLICAL INDICATORS

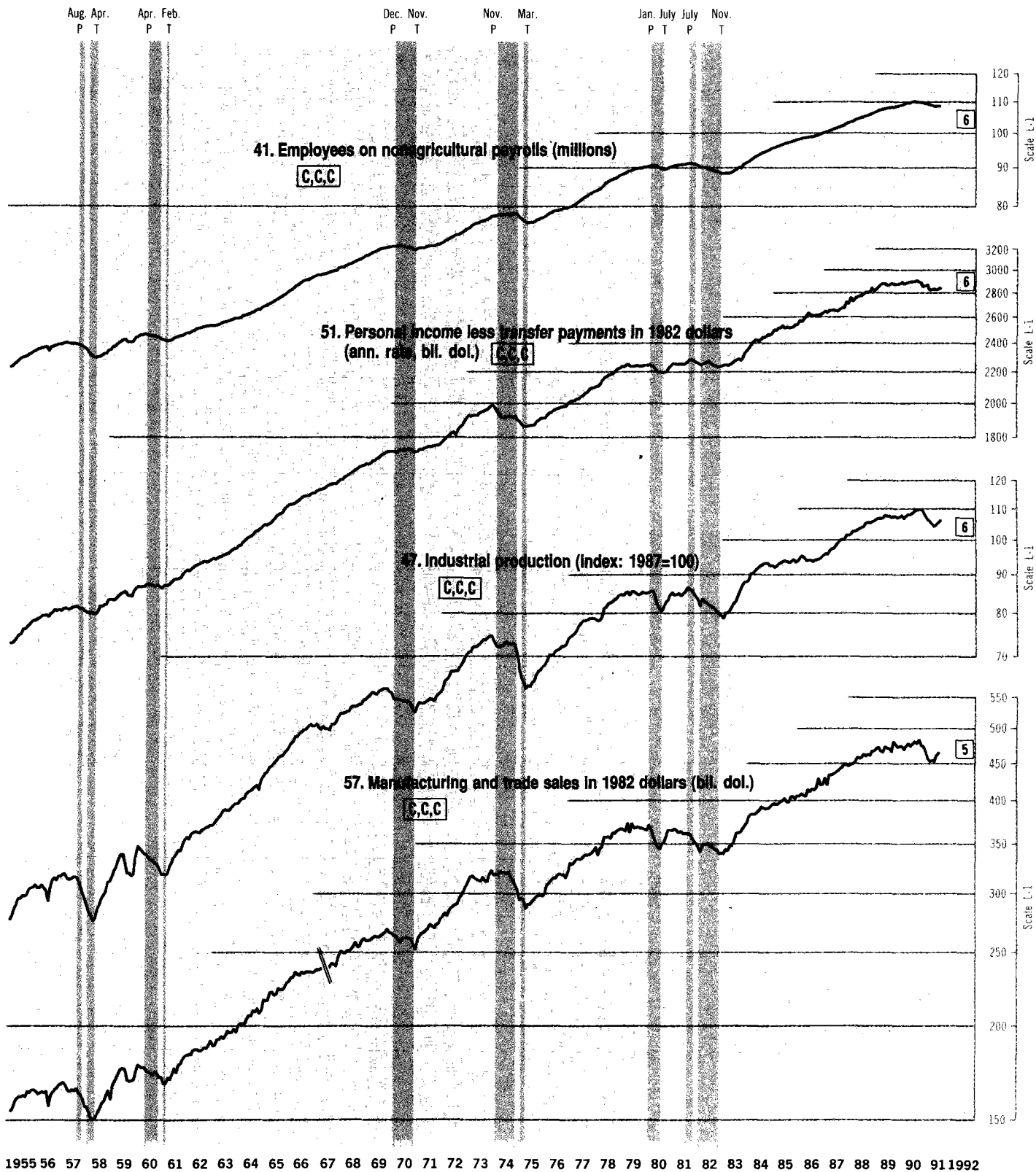
Composite Indexes: Leading Index Components—Continued



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 NOTE.—Current data for these series are shown on pages C-2 and C-3.

CYCLICAL INDICATORS

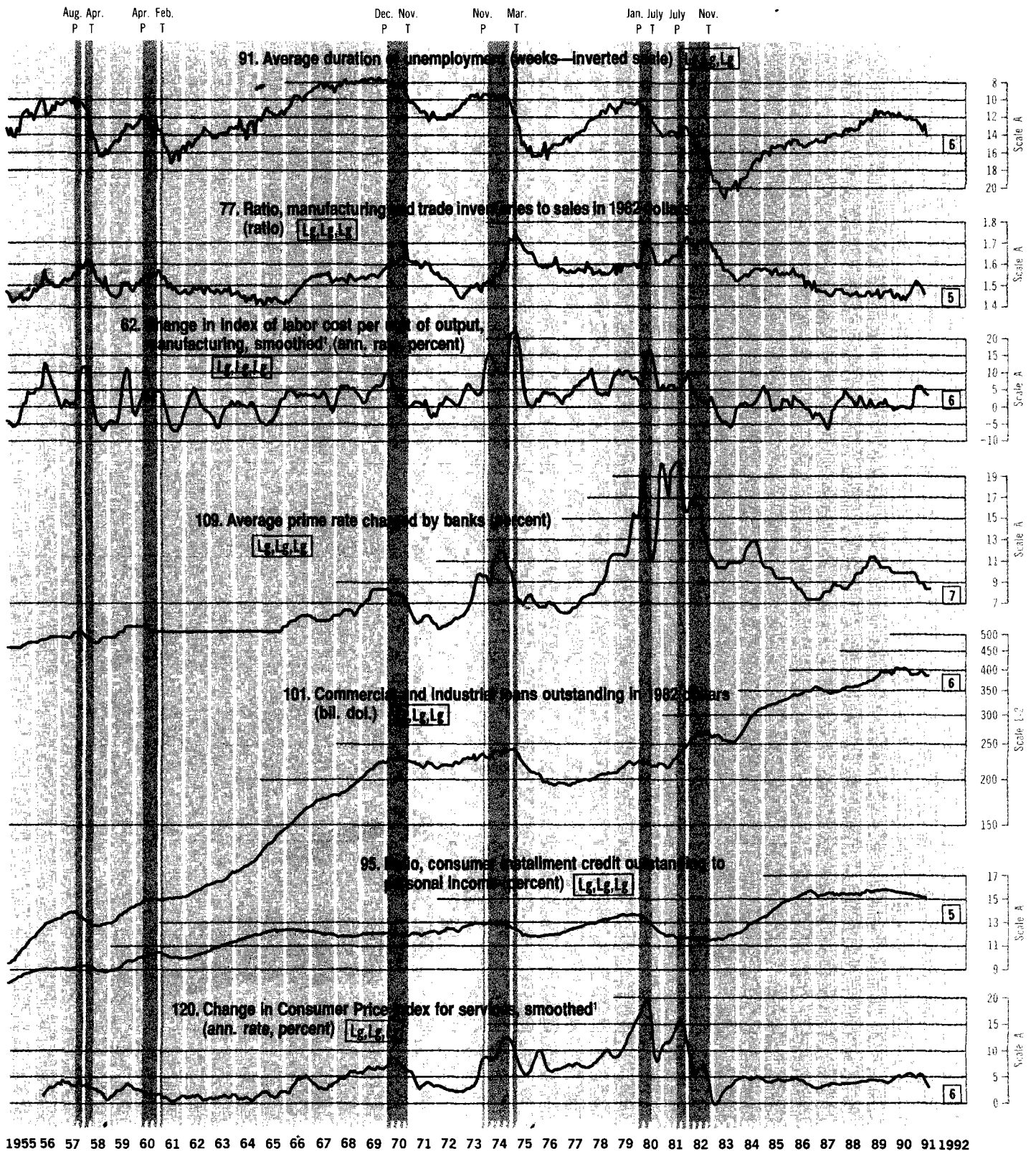
Composite Indexes: Coincident Index Components



NOTE.—Current data for these series are shown on page C-2.

CYCLICAL INDICATORS

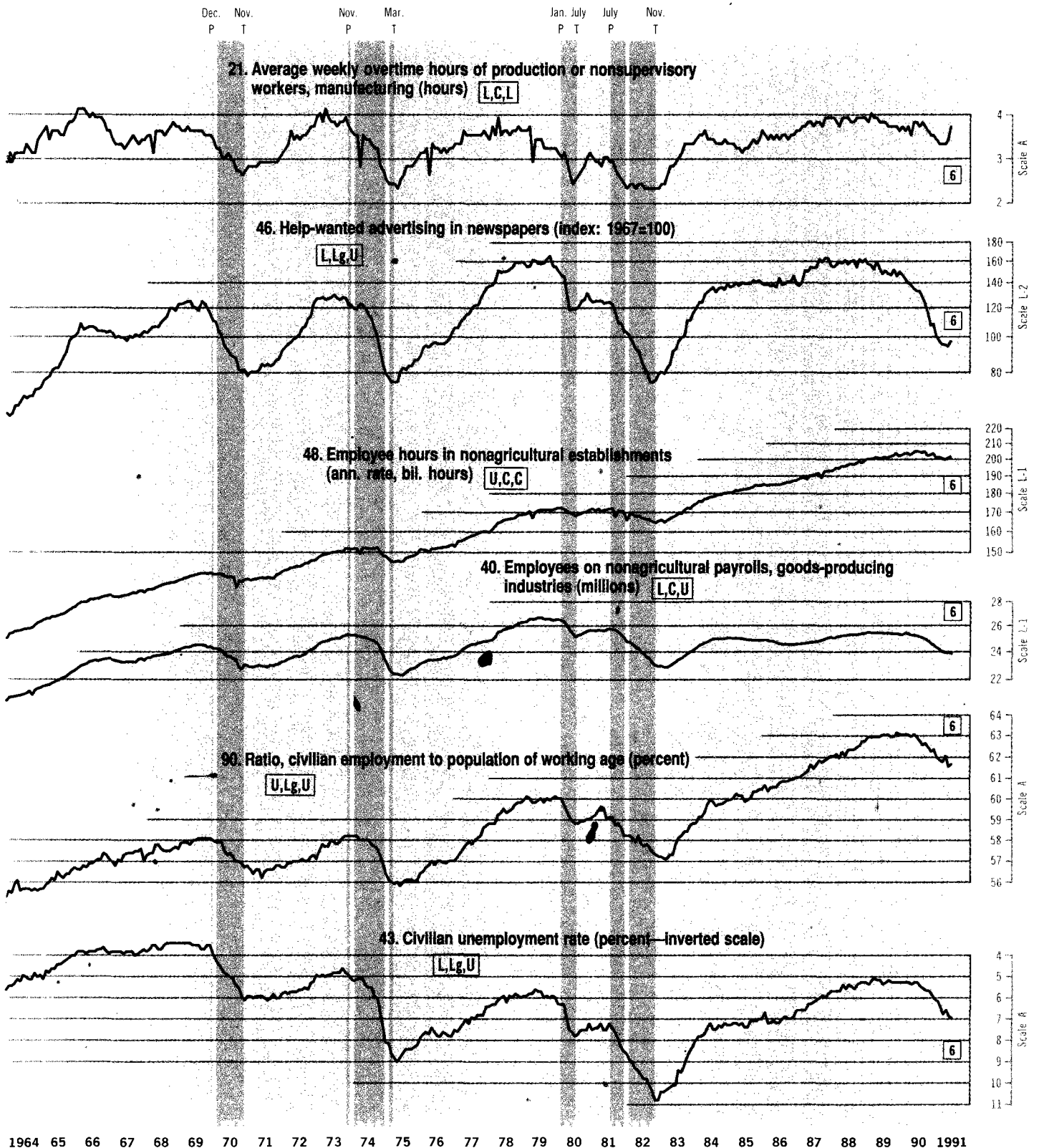
Composite Indexes: Lagging Index Components



1. This series is smoothed by an autoregressive-moving-average filter developed by Statistics Canada.
 NOTE.—Current data for these series are shown on pages C-2, C-3, and C-4.

CYCLICAL INDICATORS

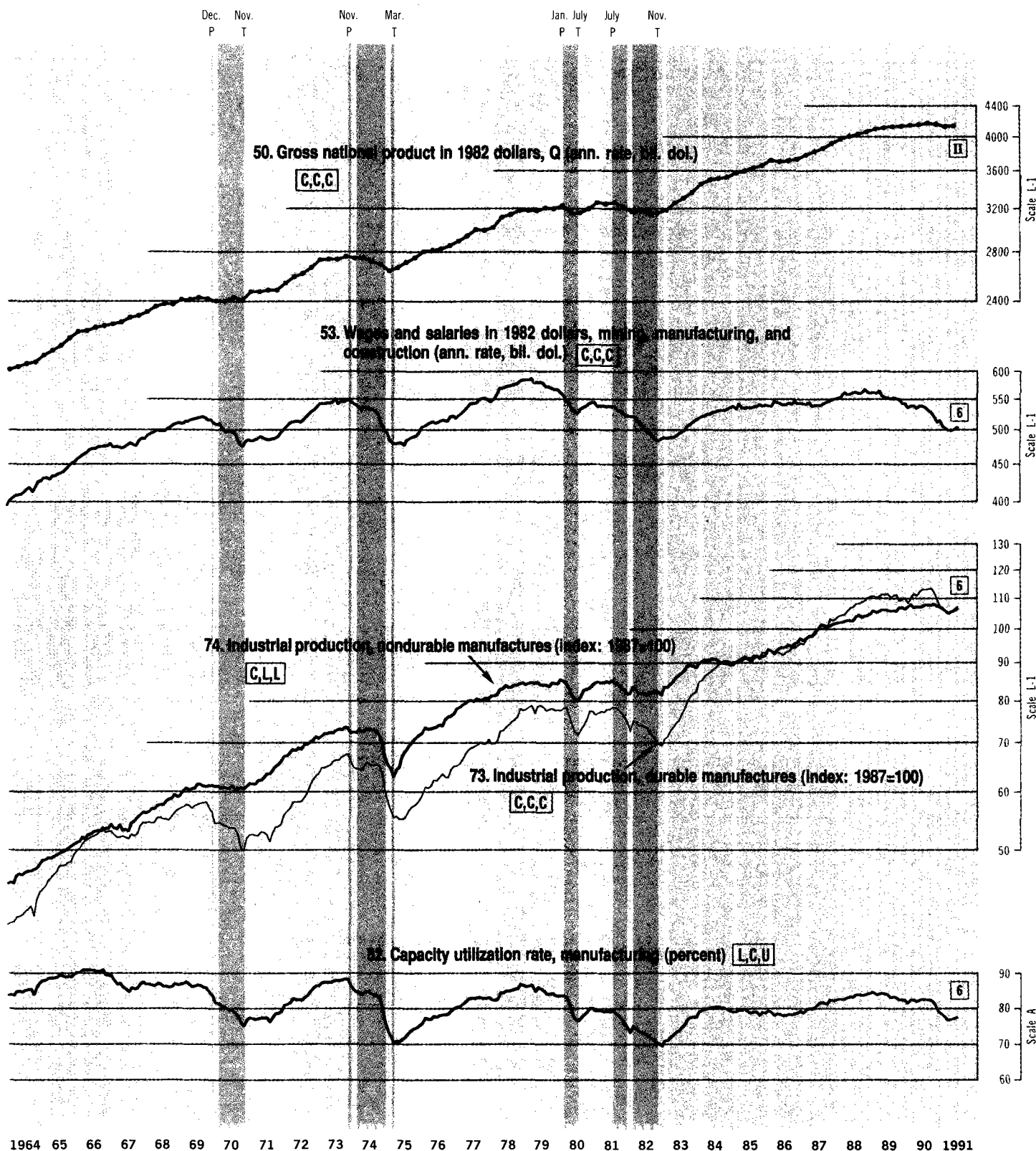
Employment and Unemployment



NOTE.—Current data for these series are shown on page C-2.

CYCLICAL INDICATORS

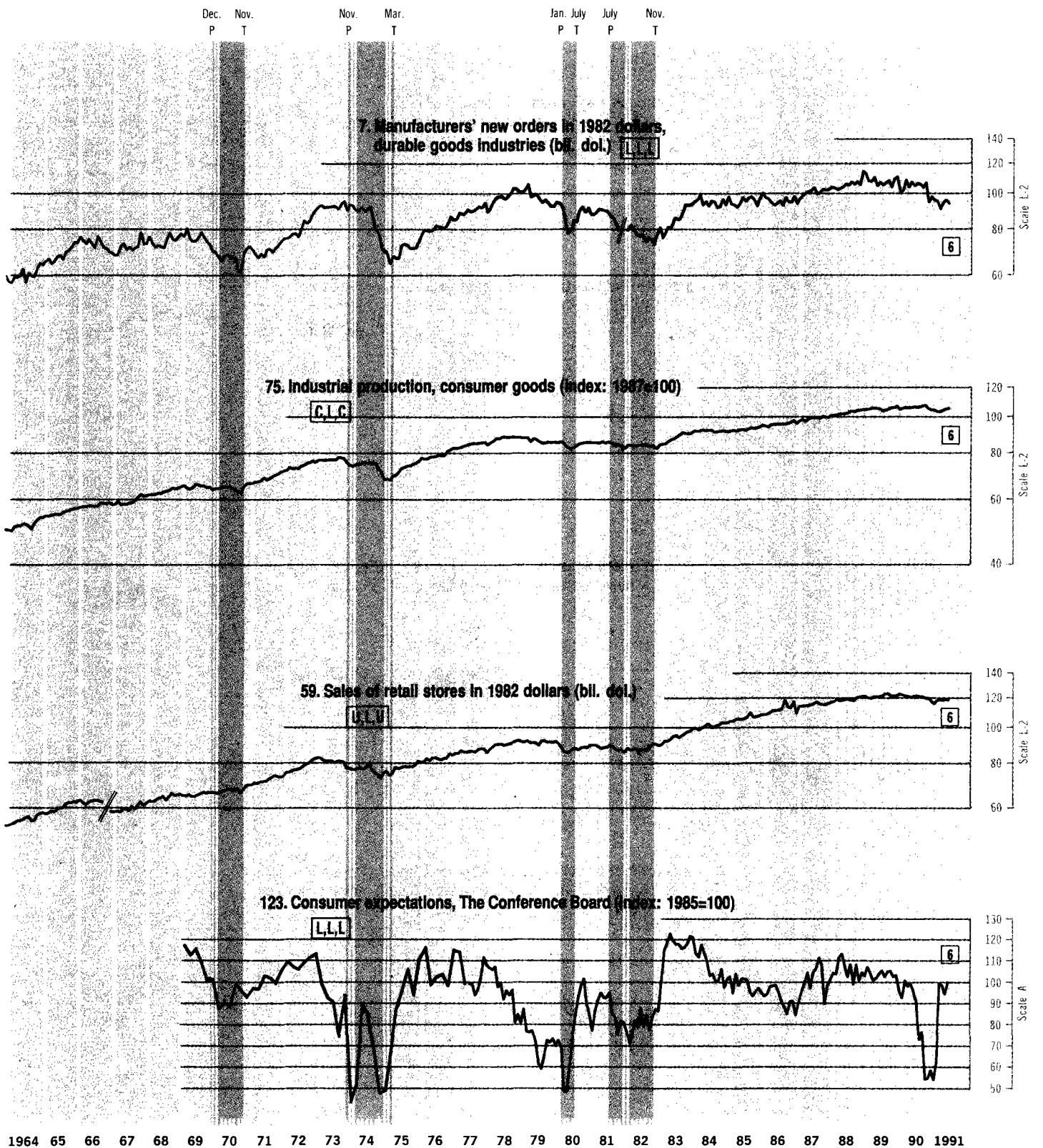
Production and Income



Note.—Current data for these series are shown on page C-2.

CYCLICAL INDICATORS

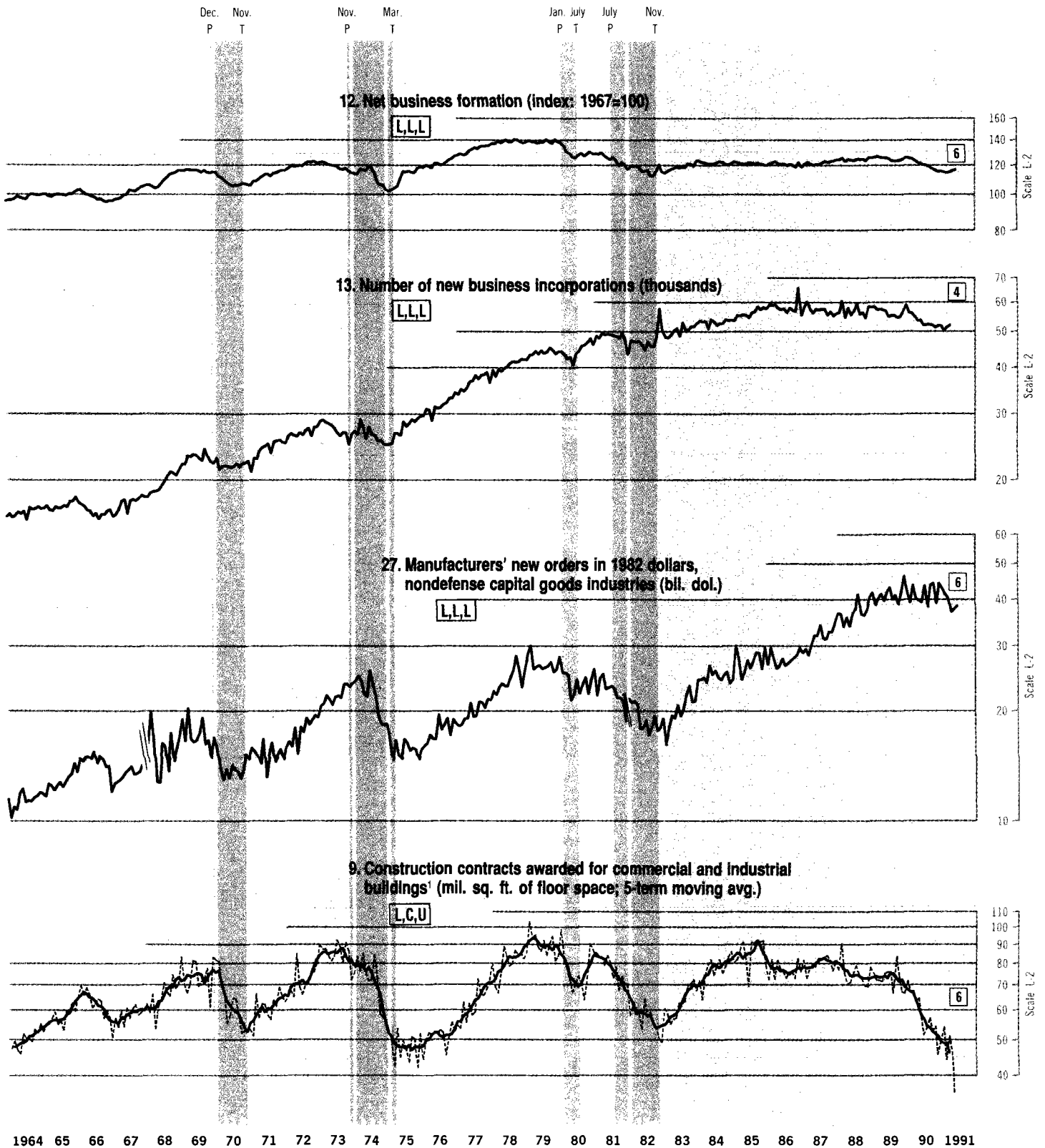
Consumption, Trade, Orders, and Deliveries



NOTE.—Current data for these series are shown on page C-2.

CYCLICAL INDICATORS

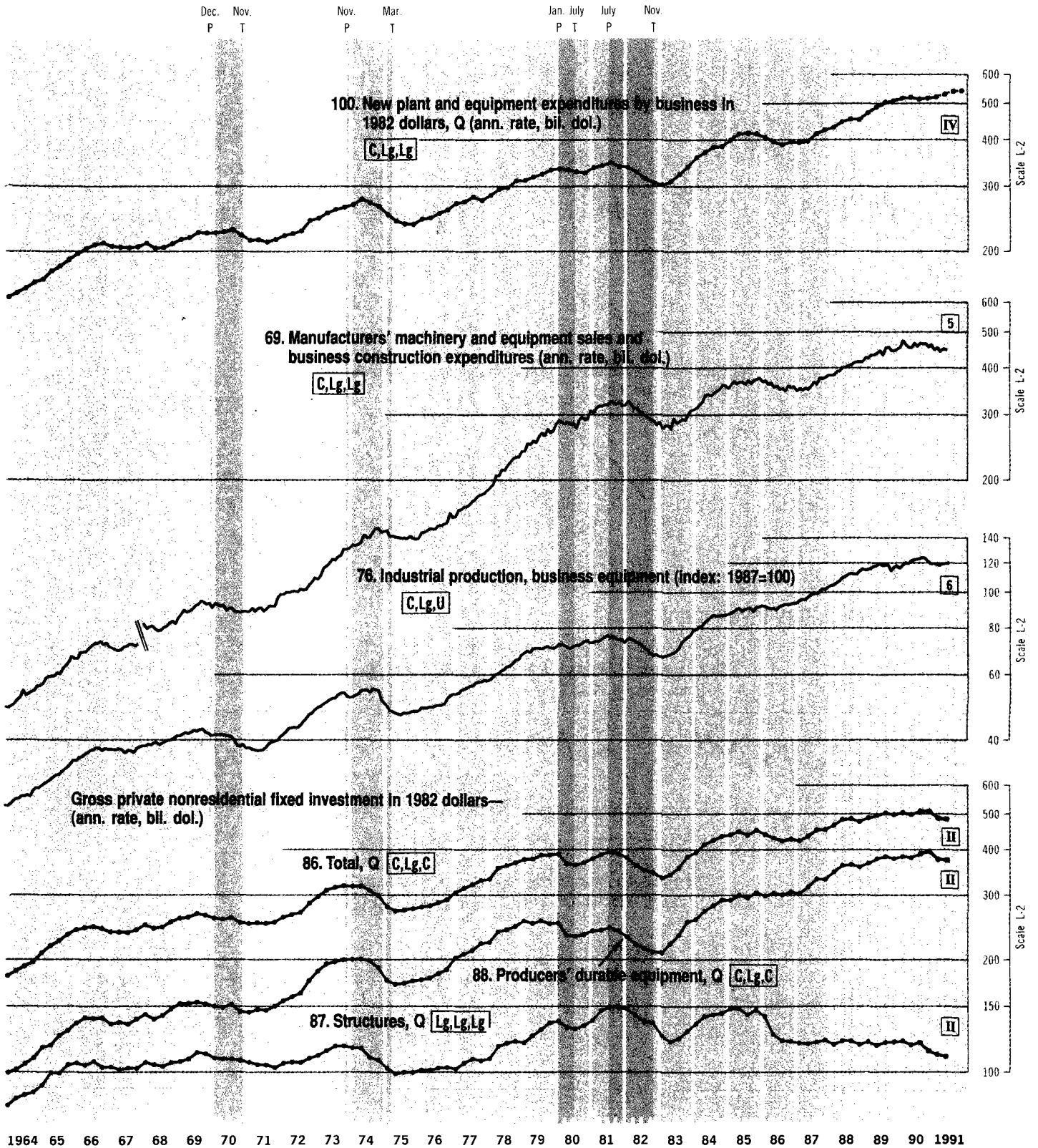
Fixed Capital Investment



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 Note.—Current data for these series are shown on page C-2.

CYCLICAL INDICATORS

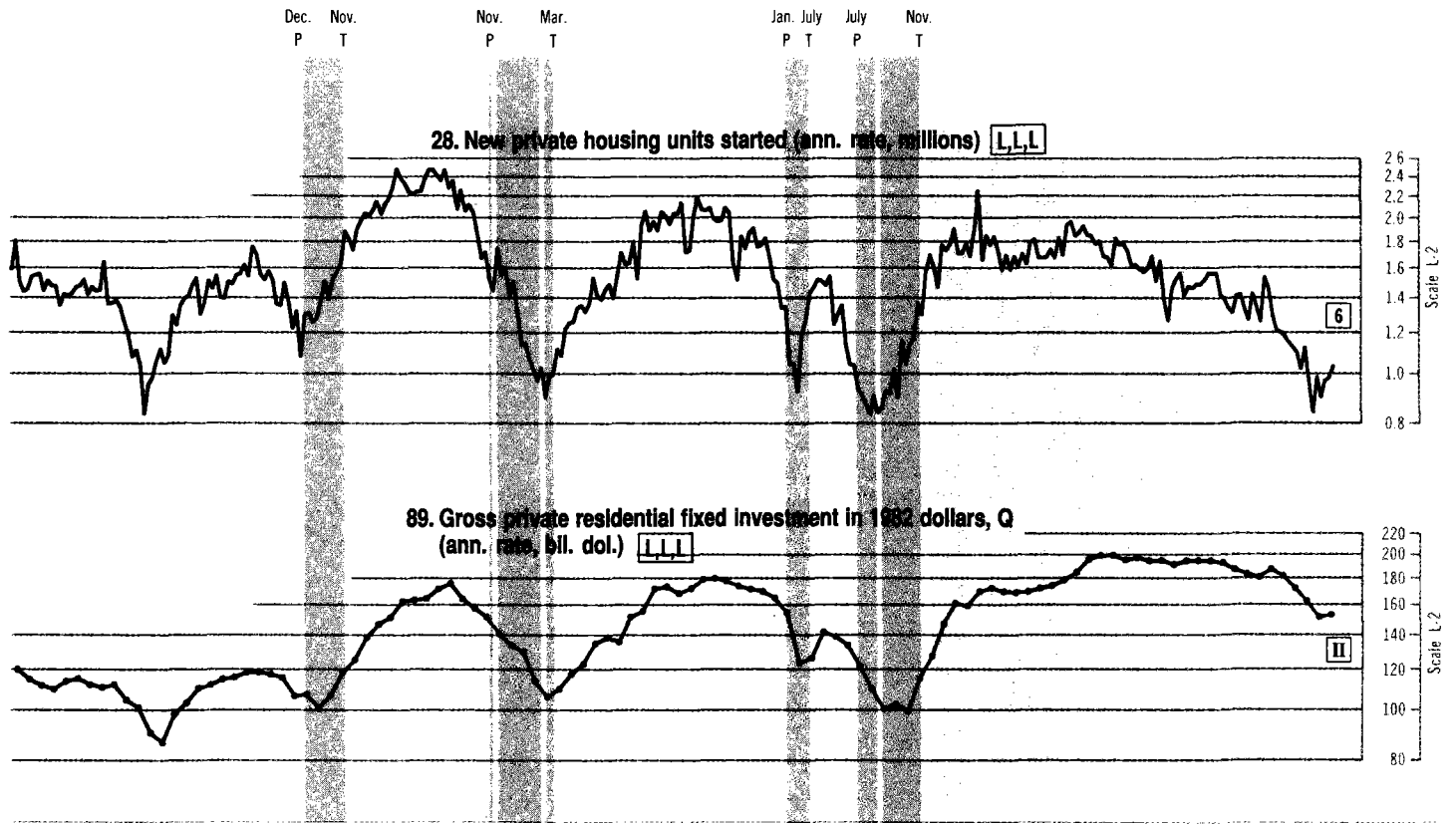
Fixed Capital Investment—Continued



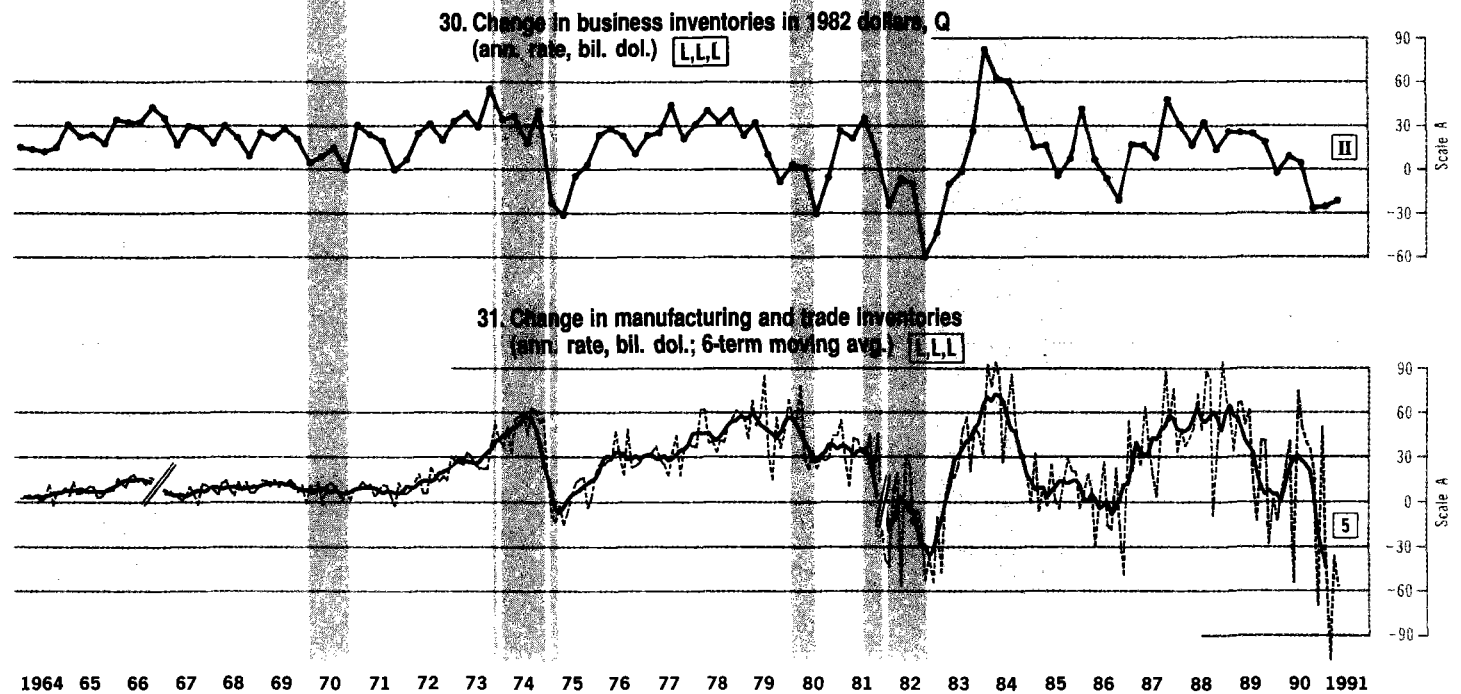
NOTE.—Current data for these series are shown on page C-3.

CYCLICAL INDICATORS

Fixed Capital Investment—Continued



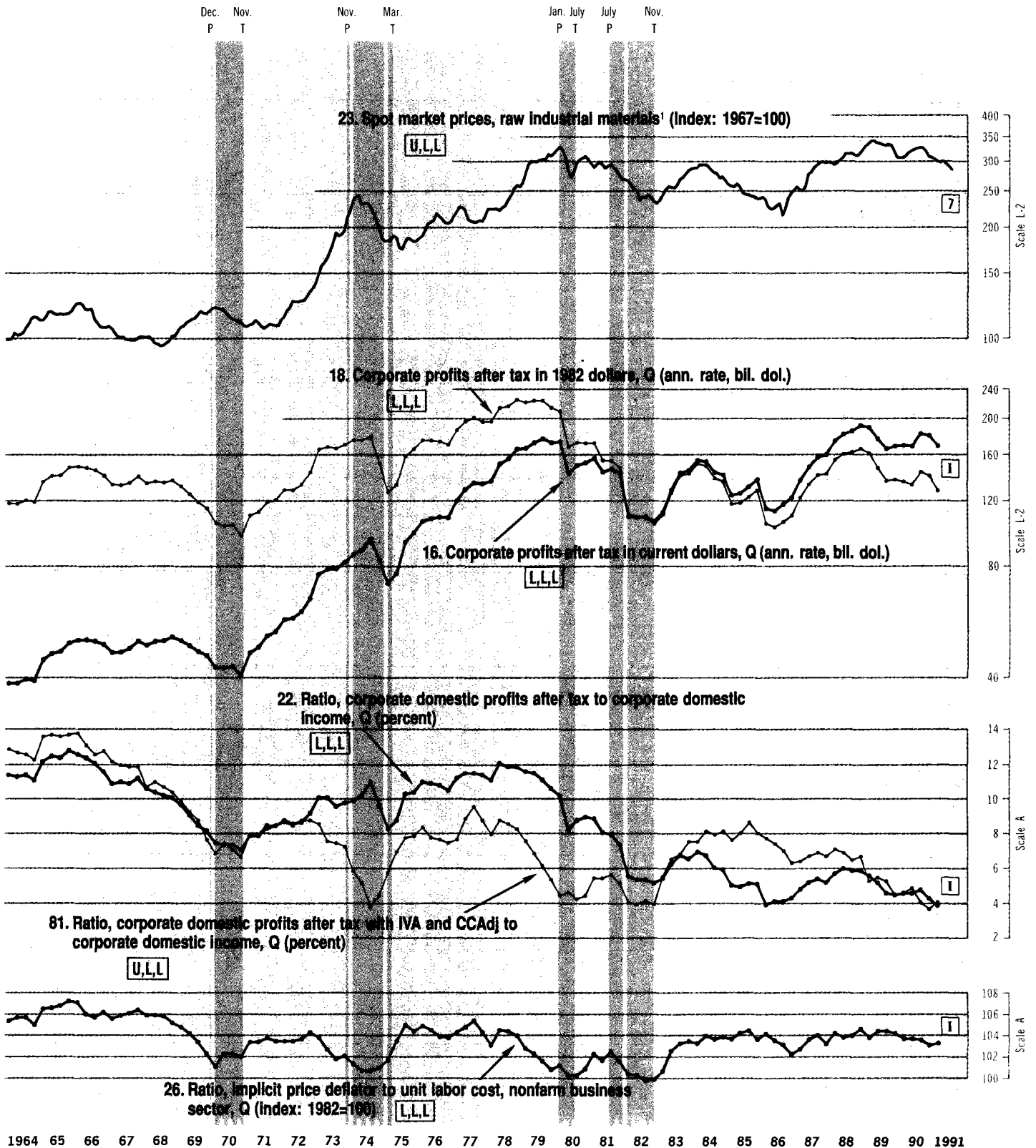
Inventories and Inventory Investment



NOTE.—Current data for these series are shown on page C-3.

CYCLICAL INDICATORS

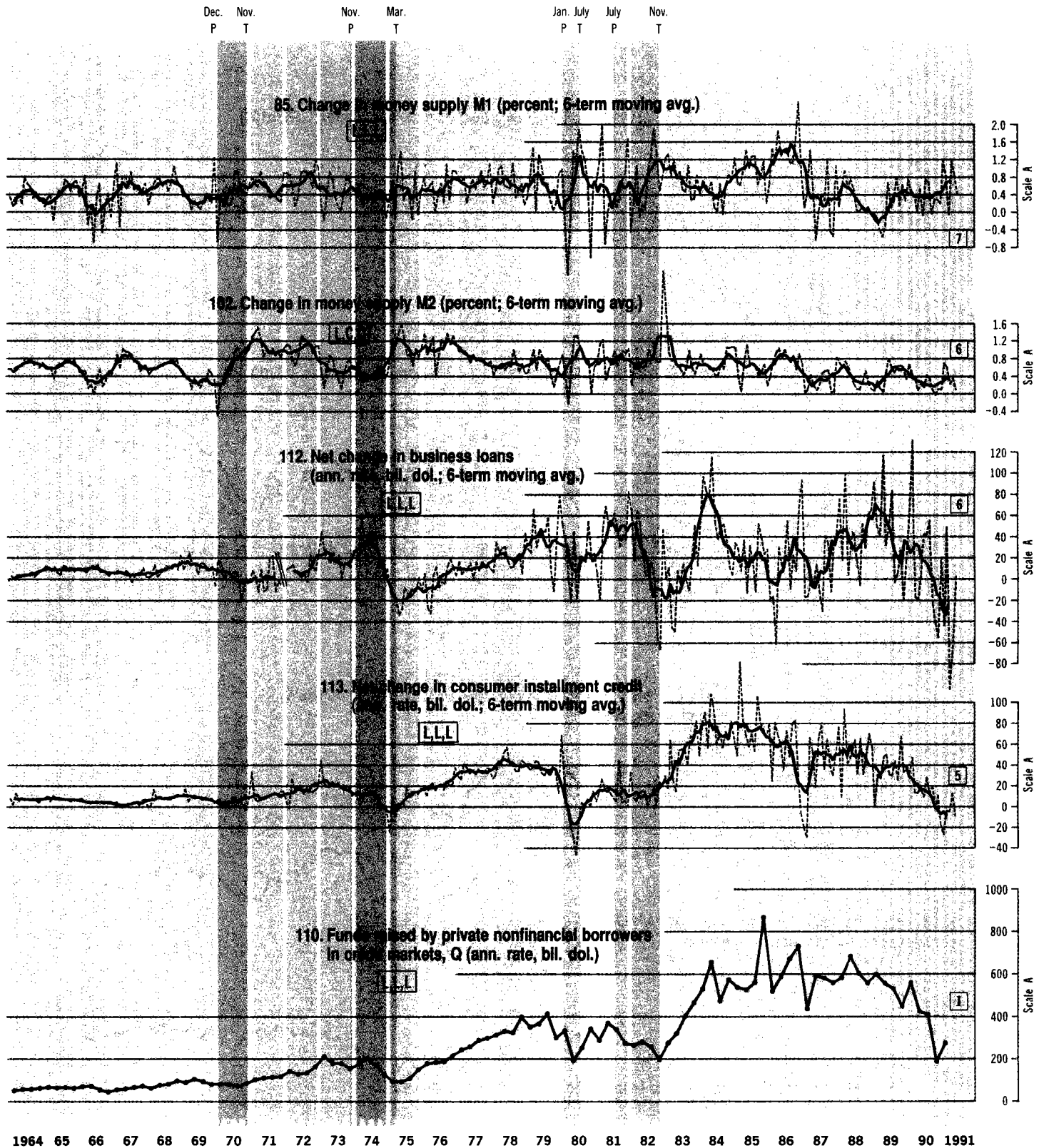
Prices, Costs, and Profits



IVA Inventory valuation adjustment. CCAdj Capital consumption adjustment.
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 NOTE.—Current data for these series are shown on page C-3.

CYCLICAL INDICATORS

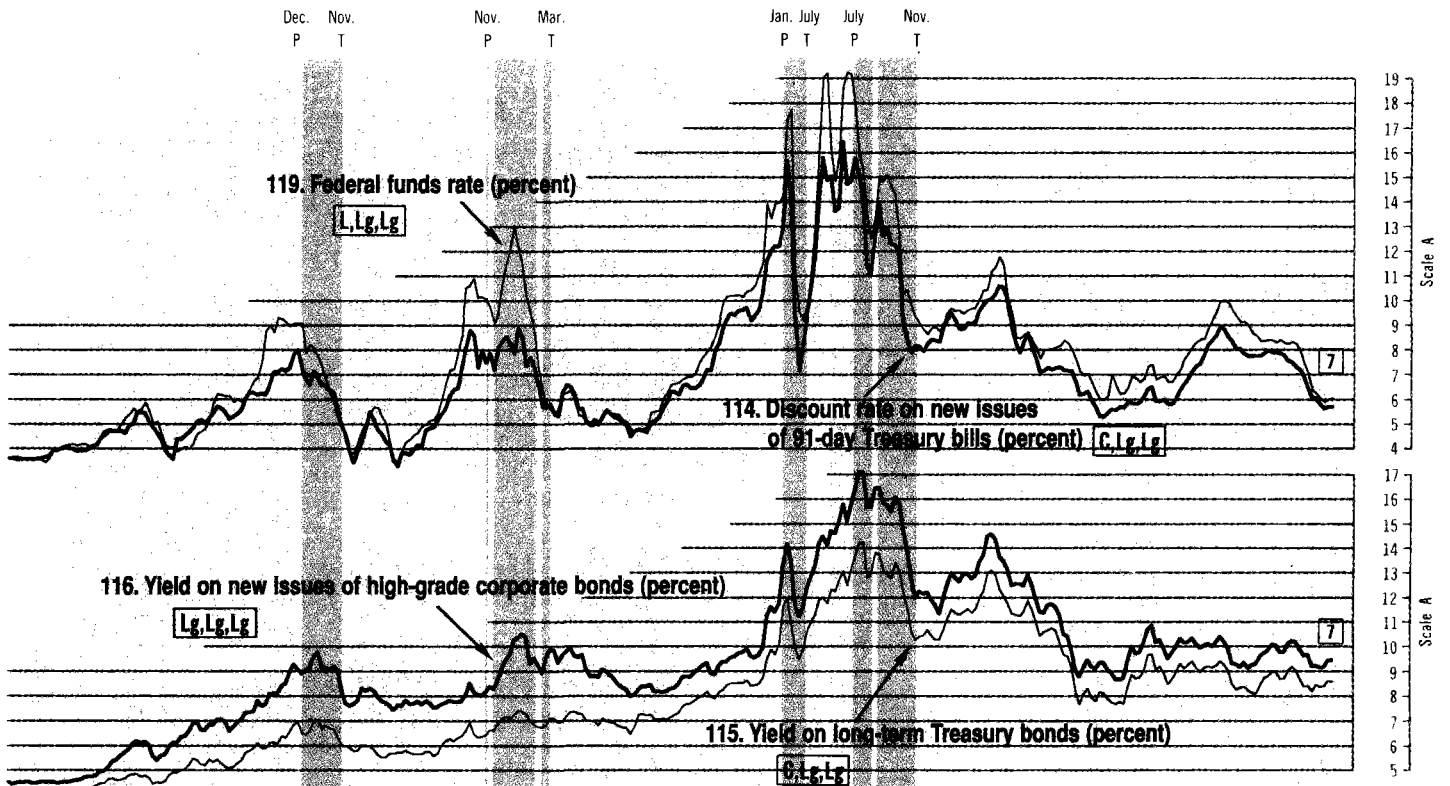
Money and Credit



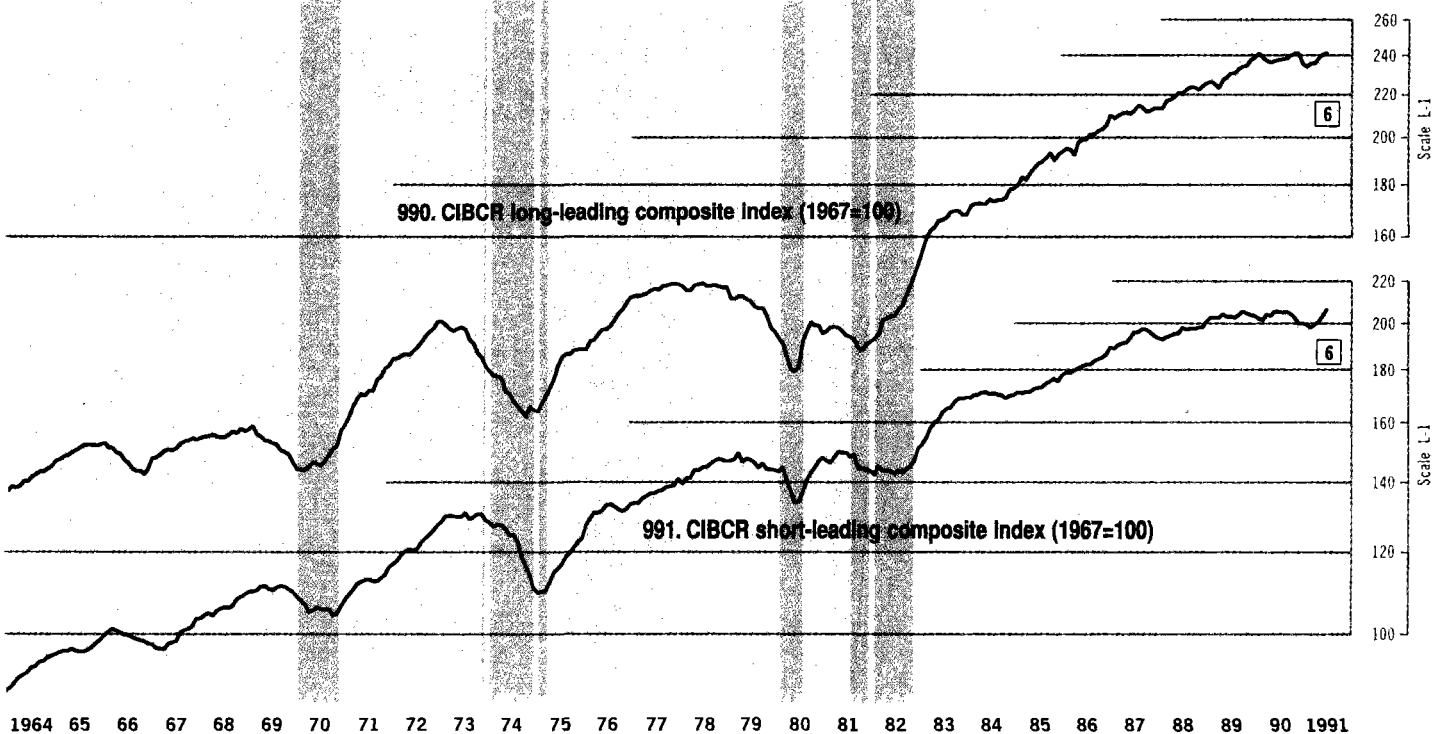
Note.—Current data for these series are shown on pages C-3 and C-4.

CYCLICAL INDICATORS

Money and Credit—Continued



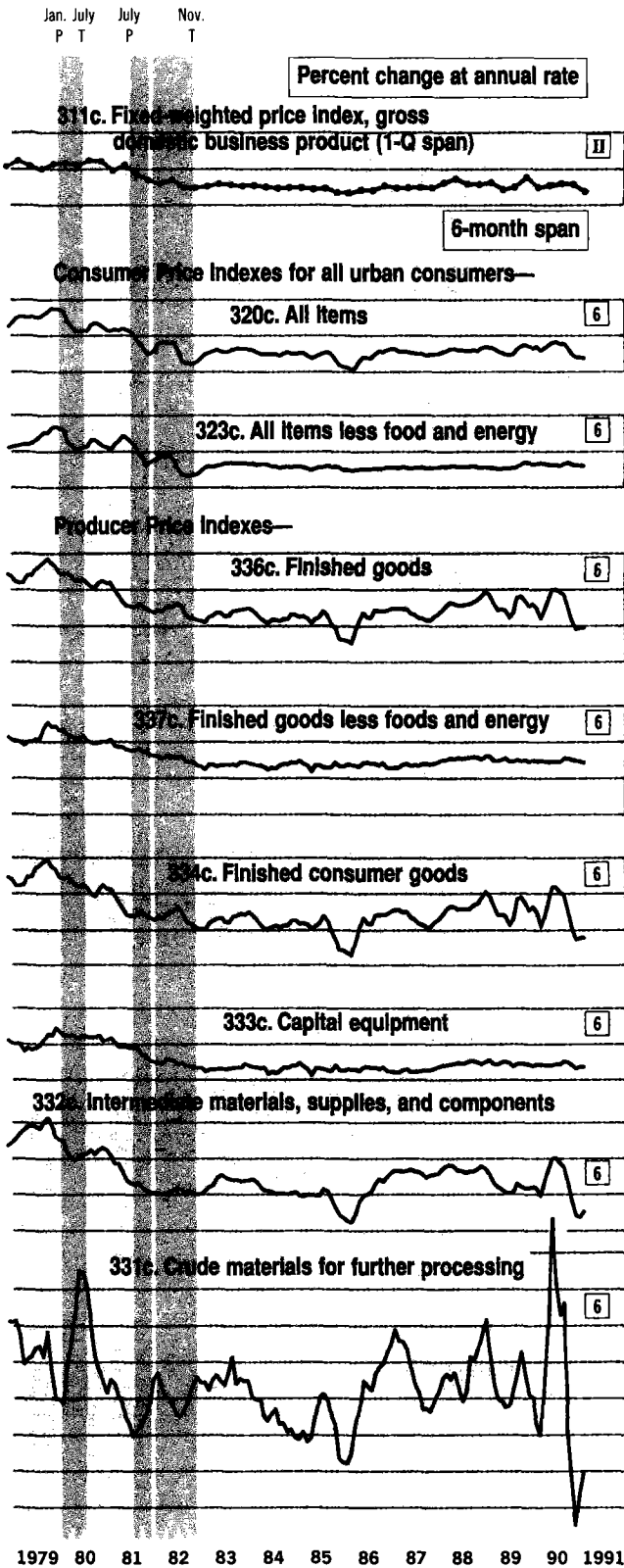
Alternative Composite Indexes



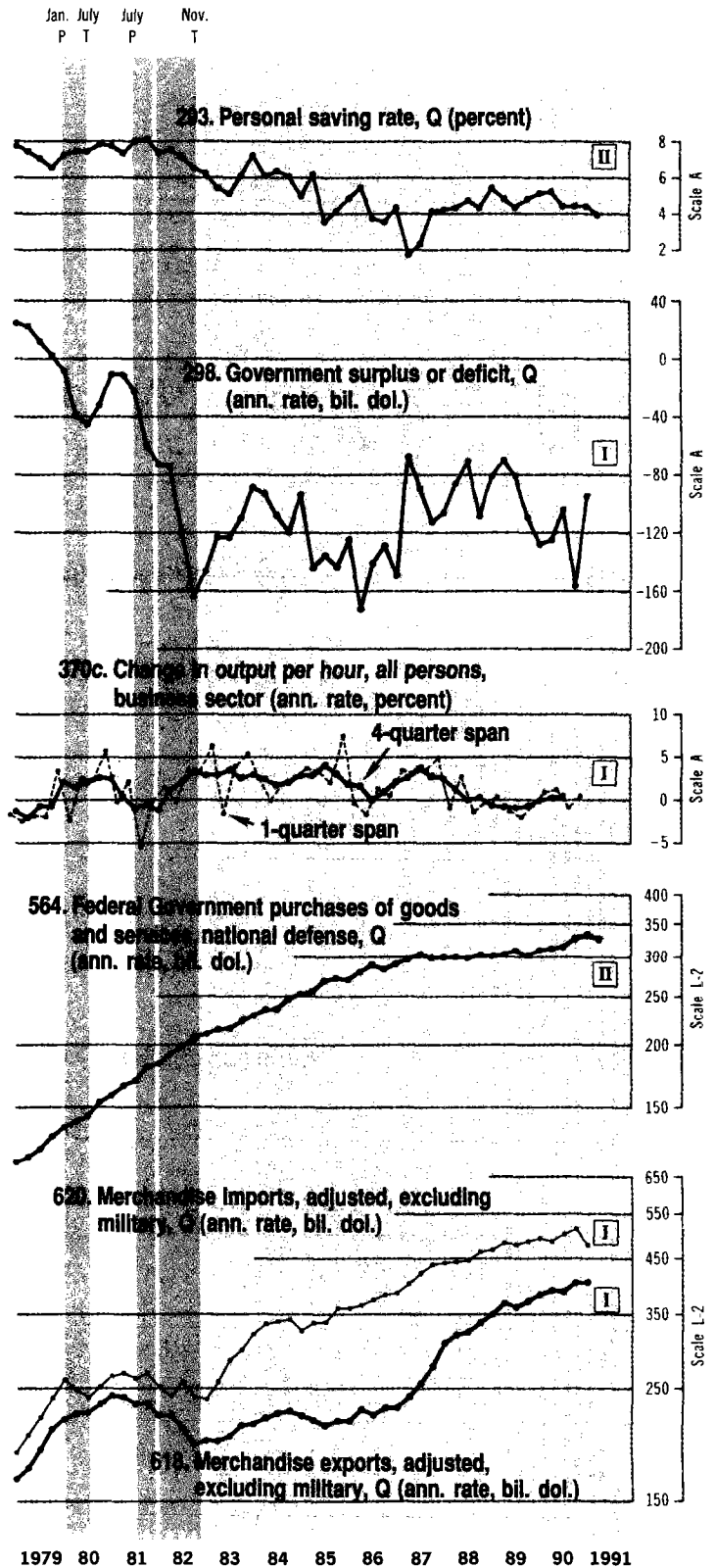
CIBCR Center for International Business Cycle Research (Columbia University).
 NOTE.—Current data for these series are shown on page C-4.

OTHER IMPORTANT ECONOMIC MEASURES

Price Movements



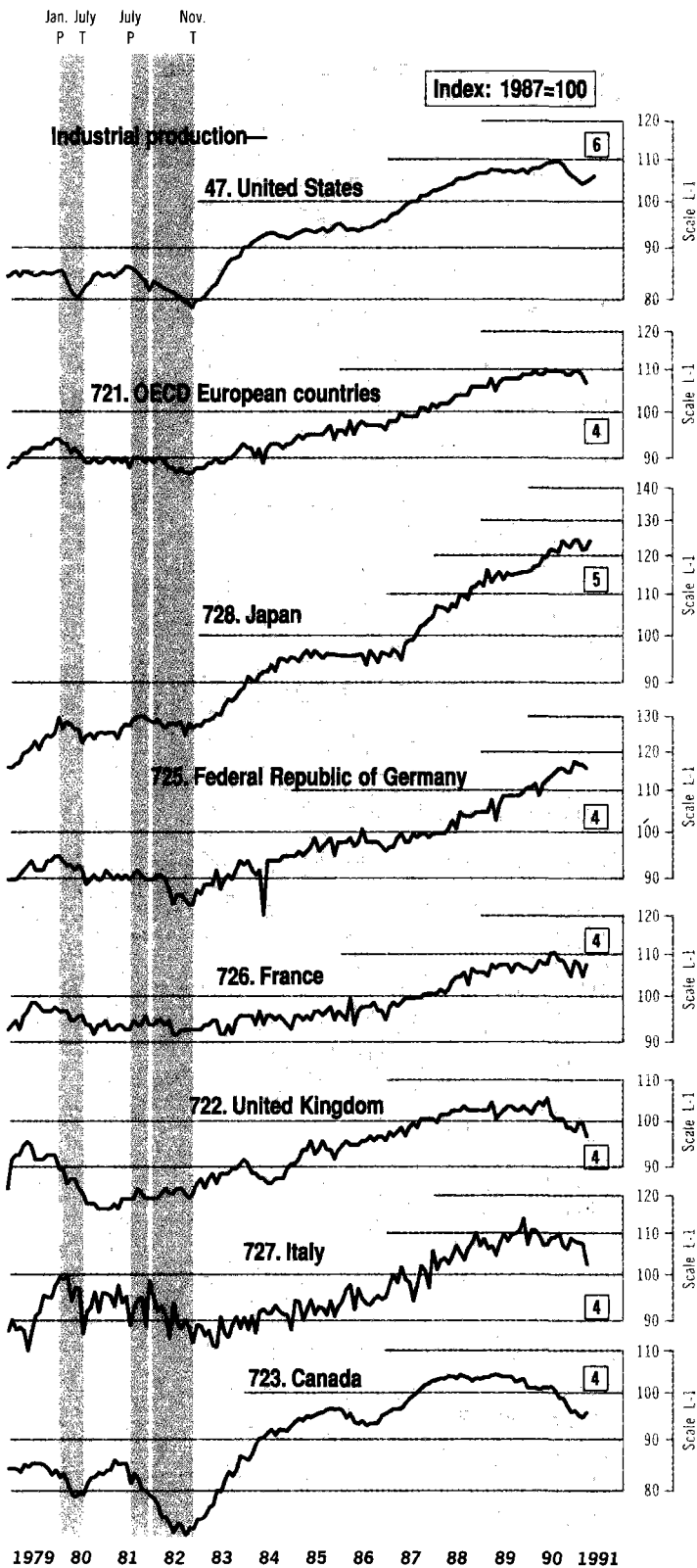
Other Measures



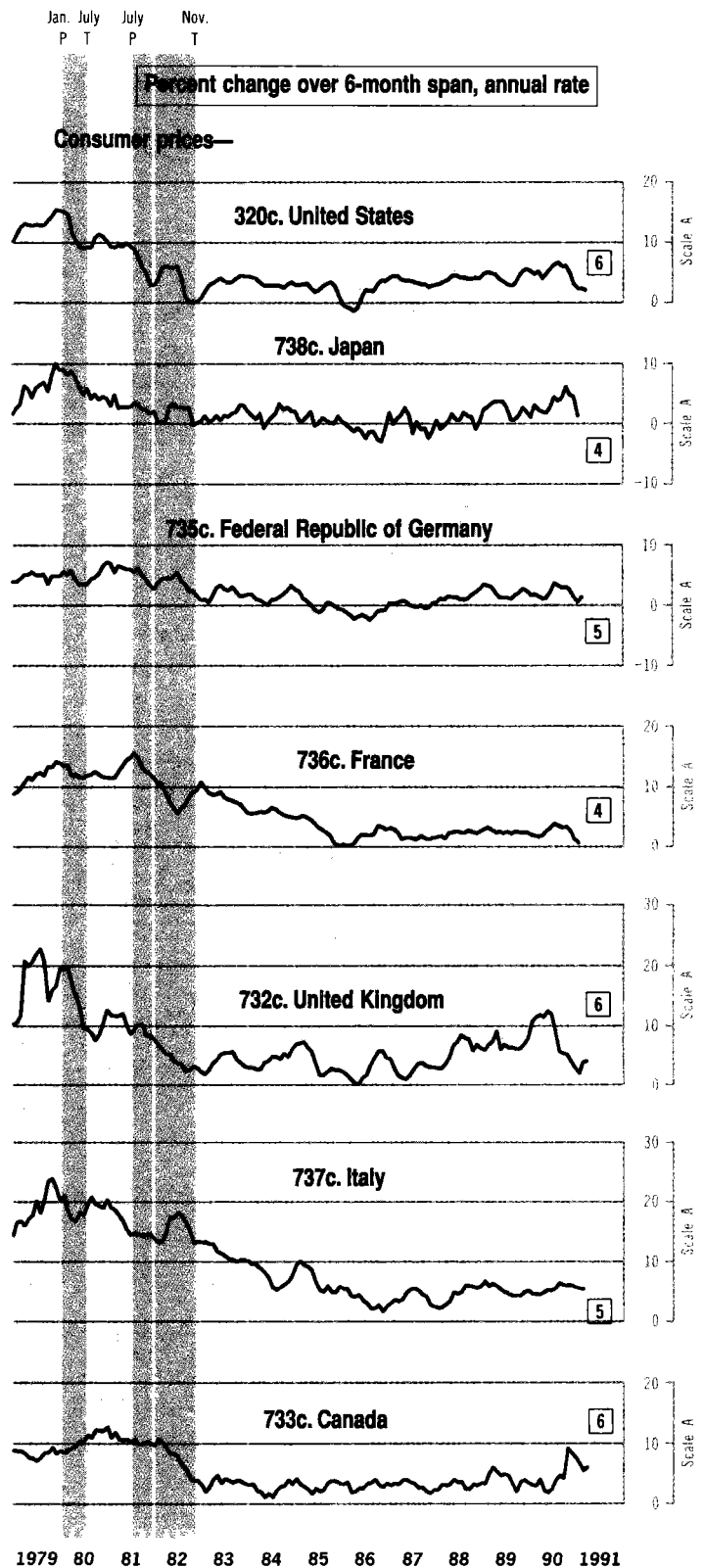
NOTE.—Current data for these series are shown on pages C-4 and C-5.

OTHER IMPORTANT ECONOMIC MEASURES

International Comparisons: Industrial Production



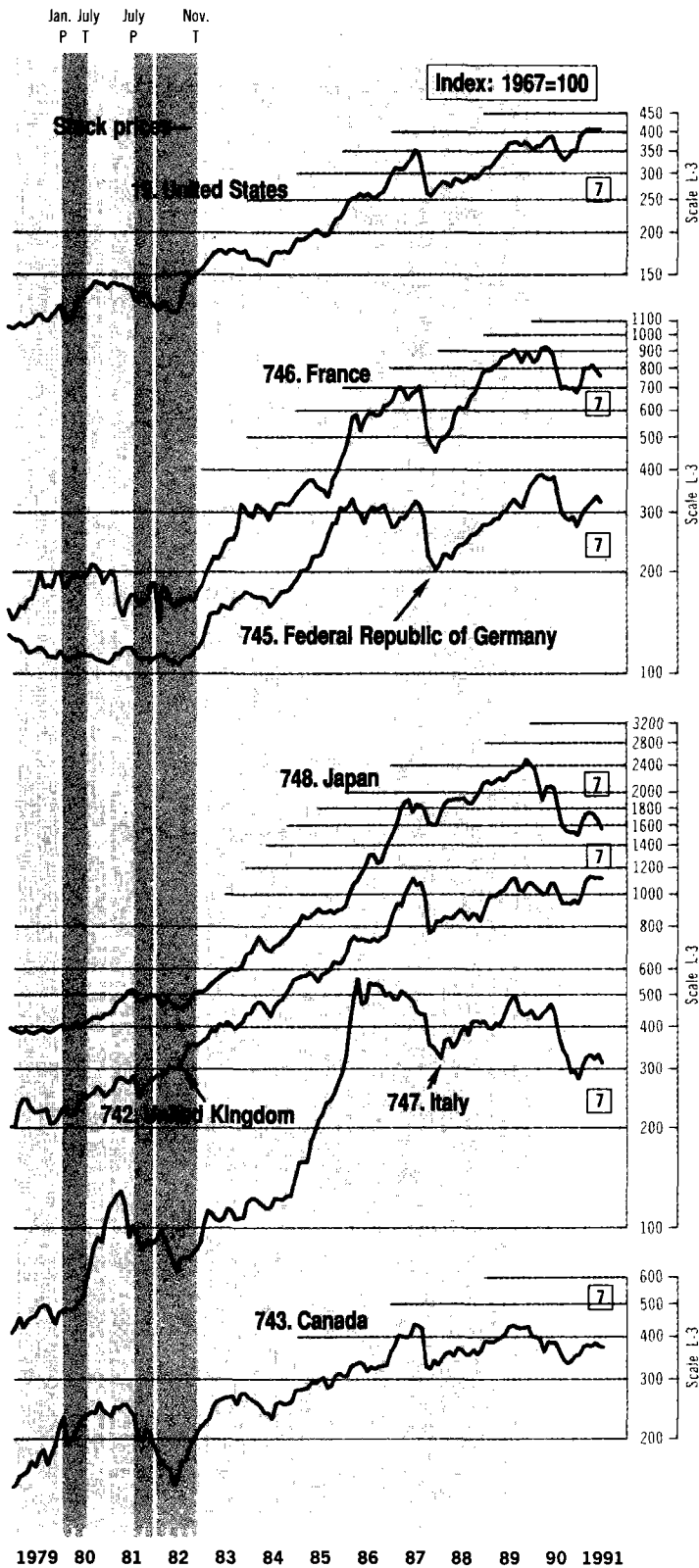
International Comparisons: Consumer Prices



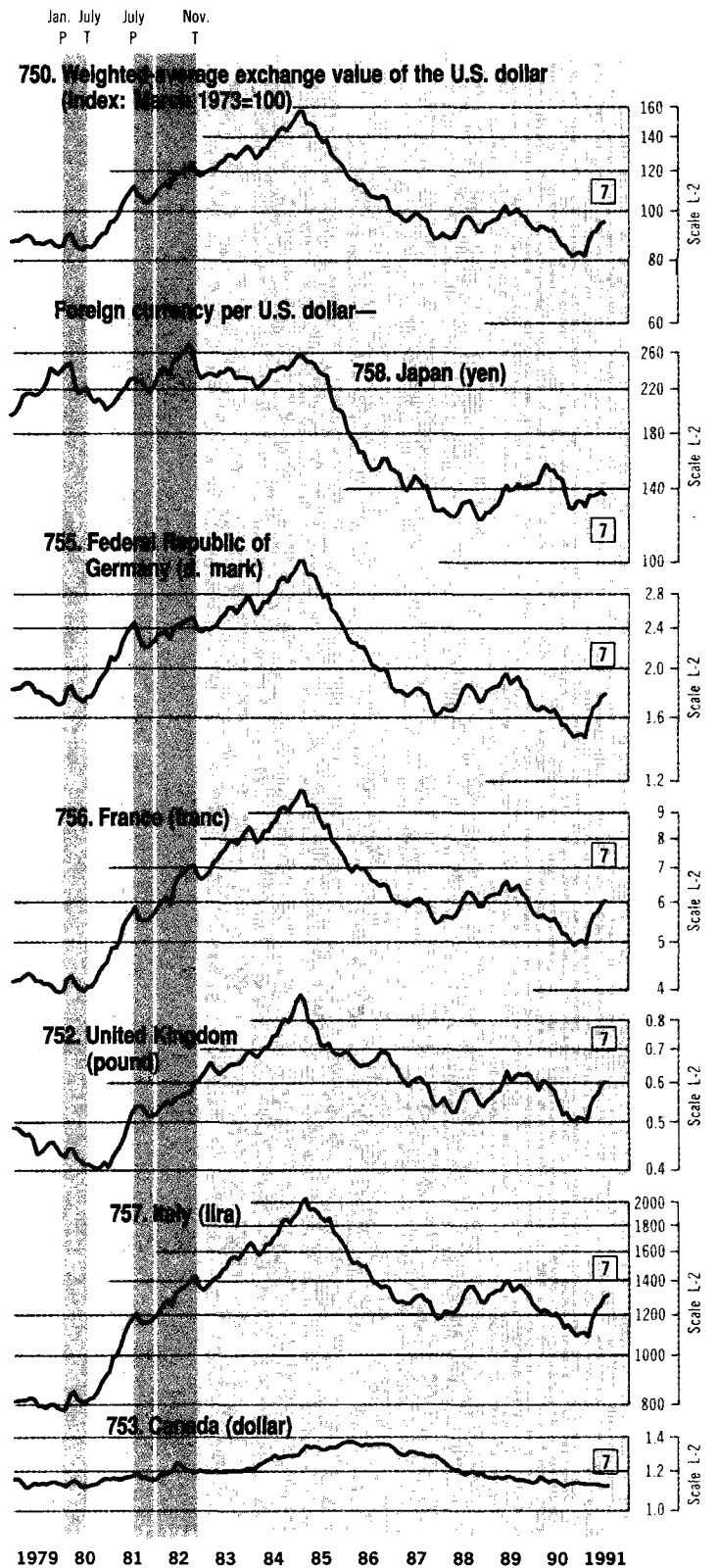
NOTE.—Current data for these series are shown on page C-5.

OTHER IMPORTANT ECONOMIC MEASURES

International Comparisons: Stock Prices



International Comparisons: Exchange Rates



NOTE.—Current data for these series are shown on page C-5.

CURRENT BUSINESS STATISTICS

New feature in this issue: The "Employment Cost Index" section has been expanded to include indexes for wages and salaries.

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Current data for the series shown in the S-pages are available on diskette on a subscription basis or from the Commerce Department's Economic Bulletin Board. Historical data, data sources, and methodological notes for each series are published in BUSINESS STATISTICS, 1961-88. For more information, write to Business Statistics Branch, Current Business Analysis Division (BE-53), Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230.

NOTE.—This section of the SURVEY is prepared by the Business Statistics Branch.

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in <i>Business Statistics, 1961-88</i>	Annual		1990									1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	
GENERAL BUSINESS INDICATORS																	
PERSONAL INCOME BY SOURCE †																	
<i>(Billions of dollars)</i>																	
Seasonally adjusted, at annual rates:																	
Total personal income	4,384.3	4,645.5	4,621.4	4,640.7	4,662.7	4,675.0	4,697.8	4,695.9	4,716.2	4,743.3	4,723.8	4,733.3	4,750.4	4,755.1	*4,780.0	4,802.6	
Wage and salary disbursements, total	2,573.2	2,705.3	2,695.5	2,711.1	2,727.1	2,728.3	2,747.2	2,731.6	2,731.6	2,753.6	2,741.0	2,741.9	2,745.6	2,750.2	*2,767.4	2,794.0	
Commodity-producing industries, total	720.6	729.3	732.3	735.8	735.5	734.4	736.0	730.4	721.0	726.5	716.4	713.0	709.4	*710.7	*715.5	721.2	
Manufacturing	541.8	546.8	548.8	551.6	551.9	551.4	552.1	549.5	541.1	547.8	540.2	535.8	534.0	*536.8	*541.0	546.3	
Distributive industries	604.7	637.2	635.6	639.6	643.6	639.6	644.9	638.6	641.7	645.3	639.7	639.2	640.3	*639.7	*643.6	650.5	
Service industries	771.4	830.8	821.7	827.1	838.7	843.3	852.8	846.8	850.8	861.3	857.9	859.6	863.5	*866.6	*873.3	885.8	
Govt. and gov't. enterprises	476.6	508.0	505.9	508.6	509.3	511.0	513.5	515.8	518.1	520.5	527.0	530.0	532.4	*533.2	*535.0	536.4	
Other labor income	241.9	253.1	256.4	257.6	258.8	260.0	261.2	262.2	263.2	264.2	265.2	266.2	267.2	*268.2	269.2	270.2	
Proprietors' income: ‡																	
Farm	48.6	49.9	51.8	46.1	45.7	42.9	38.5	39.1	54.5	52.9	39.6	47.2	58.7	53.5	*54.2	48.1	
Nonfarm	330.7	352.6	351.3	351.8	353.0	356.6	357.0	357.1	357.6	357.5	353.8	356.3	357.4	*361.0	*364.9	367.8	
Rental income of persons with capital consumption adjustment	8.2	6.9	4.2	4.9	6.2	9.1	10.0	10.8	8.8	8.3	6.8	5.1	4.9	5.2	*5.8	5.7	
Dividends	114.4	123.8	123.0	123.4	124.3	125.0	125.3	126.1	126.8	127.2	127.2	127.6	128.3	128.5	*129.6	125.6	
Personal interest income	643.2	680.4	677.9	681.5	683.6	685.4	686.8	687.5	688.1	688.2	685.7	681.8	678.6	*675.4	*672.5	670.2	
Transfer payments	636.9	694.8	685.3	691.4	692.1	695.9	701.2	710.0	714.0	721.2	741.6	744.5	750.1	*754.2	*759.5	761.7	
Less: Personal contributions for social insurance	212.8	226.2	223.9	227.1	228.1	228.2	229.5	228.4	228.4	229.9	237.2	237.2	237.4	*237.8	*239.0	240.7	
Total nonfarm income	4,314.6	4,574.3	4,548.3	4,573.2	4,595.6	4,610.7	4,637.8	4,635.3	4,640.2	4,668.8	4,662.6	4,664.4	4,669.9	4,679.7	*4,703.9	4,732.5	
DISPOSITION OF PERSONAL INCOME †																	
<i>(Billions of dollars, unless otherwise indicated)</i>																	
Seasonally adjusted, at annual rates:																	
Total personal income	4,384.3	4,645.5	4,621.4	4,640.7	4,662.7	4,675.0	4,697.8	4,695.9	4,716.2	4,743.3	4,723.8	4,733.3	4,750.4	4,755.1	*4,780.0	4,802.6	
Less: Personal tax and nontax payments	658.8	699.4	698.0	698.0	704.8	708.6	715.0	713.8	715.1	720.8	714.9	713.9	714.9	*717.9	*720.5	724.6	
Equals: Disposable personal income	3,725.5	3,946.1	3,923.3	3,942.6	3,957.9	3,966.4	3,982.8	3,982.1	4,001.1	4,022.5	4,008.9	4,019.4	4,035.5	*4,037.2	*4,059.5	4,078.0	
Less: Personal outlays	3,553.7	3,766.0	3,716.2	3,761.1	3,773.7	3,801.4	3,832.6	3,829.5	3,835.0	3,838.6	3,817.7	3,849.6	3,890.3	*3,871.9	*3,916.1	3,934.6	
Personal consumption expenditures	3,450.1	3,657.3	3,608.1	3,653.2	3,664.7	3,692.1	3,723.4	3,720.5	3,725.6	3,728.7	3,707.8	3,739.9	3,780.7	*3,762.8	*3,807.4	3,825.8	
Durable goods	474.6	480.3	472.9	481.7	482.9	475.9	488.2	474.6	468.7	462.2	440.3	453.5	472.2	*450.0	*463.9	472.6	
Nondurable goods	1,130.0	1,193.7	1,174.2	1,188.4	1,192.0	1,214.8	1,216.2	1,219.3	1,212.5	1,205.8	1,215.3	1,217.0	*1,212.3	*1,222.5	1,219.1		
Services	1,845.5	1,983.3	1,961.0	1,983.1	1,989.8	2,008.2	2,020.5	2,029.8	2,037.6	2,053.9	2,061.7	2,071.2	2,091.5	*2,100.5	*2,120.9	2,134.1	
Interest paid by consumers to business	102.2	107.8	107.6	107.5	107.8	108.0	107.9	108.0	108.4	109.0	108.7	108.5	108.5	*108.3	*108.0	108.0	
Personal transfer payments to foreigners (net)	1.4	.9	.4	.4	1.3	1.3	1.3	1.0	1.0	1.0	1.2	1.2	1.2	*.8	*.8	.8	
Equals: personal saving	171.8	180.1	207.2	181.5	184.2	165.0	150.2	152.5	166.1	183.9	191.3	169.8	145.1	*165.3	*143.4	143.4	
Personal saving as percentage of disposable personal income §	4.6	4.6	5.0	4.8	4.5	4.2	3.9	3.9	4.2	4.5	4.5	4.2	4.0	3.7	3.7	.....
Disposable personal income in constant (1982) dollars	2,869.0	2,893.5	2,900.4	2,907.1	2,910.6	2,896.8	2,886.8	2,863.7	2,869.9	2,883.5	2,857.8	2,858.9	2,869.2	*2,863.9	*2,868.8	2,879.9	
Personal consumption expenditures in constant (1982) dollars ...	2,656.8	2,681.6	2,667.4	2,693.6	2,695.0	2,696.5	2,698.8	2,675.6	2,672.3	2,672.8	2,643.1	2,660.1	2,688.0	*2,669.2	*2,690.6	2,701.8	
Durable goods	428.0	427.4	421.6	430.1	430.5	424.1	434.0	420.5	415.8	410.5	391.6	400.9	416.3	*398.6	*408.9	416.6	
Nondurable goods	919.9	911.1	909.2	914.5	916.8	920.9	911.6	903.8	903.4	896.5	890.6	898.1	902.5	*897.2	*902.0	898.8	
Services	1,309.0	1,343.1	1,336.6	1,349.1	1,347.7	1,351.5	1,353.2	1,351.3	1,353.1	1,365.8	1,360.8	1,361.1	1,369.3	*1,373.4	*1,379.6	1,386.4	
Implicit price deflator for personal consumption expenditures, 1982=100	129.9	136.4	135.3	135.6	136.0	136.9	138.0	139.1	139.4	139.5	140.3	140.6	140.6	141.0	*141.5	141.6	
INDUSTRIAL PRODUCTION ◊																	
<i>(1987=100)</i>																	
Not seasonally adjusted:																	
Total index	108.1	109.2	107.7	111.9	108.9	112.7	113.5	111.3	107.7	105.3	105.1	106.1	*104.2	*104.4	*104.4	#108.7	
By industry groups:																	
Mining	100.5	102.6	100.5	101.1	100.1	101.6	103.1	103.7	106.0	104.7	103.1	105.0	*102.3	*100.1	*98.9	#100.7	
Utilities	107.0	108.0	93.9	103.7	108.8	108.9	106.2	96.9	101.2	116.6	129.5	120.7	*109.6	*99.8	*96.5	#103.8	
Manufacturing	108.9	109.9	109.6	113.6	109.8	114.0	115.1	113.3	108.5	104.4	103.1	104.9	*103.9	*105.2	*105.6	#109.9	
Durable	110.9	111.6	112.4	115.8	110.3	114.4	116.1	114.6	109.8	105.6	104.5	106.1	*104.9	*106.1	*106.2	#109.7	
Nondurable	106.4	107.8	106.1	110.9	109.1	113.6	113.9	111.7	106.9	102.8	101.2	103.4	102.5	*104.0	*104.8	#110.1	
Seasonally adjusted:																	
Total index	108.1	109.2	109.4	110.1	110.4	110.5	110.6	109.9	108.3	107.2	106.6	105.7	105.0	*105.5	*106.2	#106.9	
By market groups:																	
Products, total	108.6	110.1	110.5	110.9	110.9	111.4	111.0	109.3	108.4	107.8	106.9	106.9	*106.5	106.9	*107.4	#108.0	
Final products	109.1	110.8	111.2	111.7	111.7	111.9	112.6	112.3	110.2	109.2	109.1	108.3	*108.1	*108.7	*109.2	#109.6	
Consumer goods	106.7	107.3	107.4	107.8	107.5	107.8	108.7	108.6	106.5	105.7	105.6	104.7	*104.7	*105.5	*106.4	#107.0	

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1961-88*

	Annual		1990										1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		

GENERAL BUSINESS INDICATORS—Continued

INDUSTRIAL PRODUCTION ◊—Continued																	
[1987=100]																	
Seasonally adjusted—Continued																	
By market groups—Continued																	
Final products—Continued																	
Consumer goods—Continued																	
Durable	107.9	106.1	109.3	112.1	108.3	107.4	110.4	106.9	99.4	96.0	97.6	95.2	95.9	*99.2	100.8	P 102.9	
Automotive products	106.9	102.2	107.0	112.2	106.7	104.6	111.8	107.1	93.5	86.7	90.6	88.1	88.9	*94.2	96.9	P 98.9	
Autos and trucks	105.7	97.2	105.6	112.9	104.8	101.5	113.0	107.5	84.2	74.6	79.6	74.7	76.7	*85.0	89.2	P 92.5	
Other durable goods	108.8	109.3	111.1	112.0	109.5	109.6	109.3	106.8	104.1	103.4	103.2	100.7	101.4	*103.1	*108.8	P 106.0	
Nondurable	106.4	107.6	106.9	106.6	107.3	107.9	108.2	109.1	108.5	108.4	107.8	107.3	*107.1	107.2	*108.0	P 108.2	
Foods and tobacco	104.2	105.9	105.2	104.4	105.1	105.7	105.3	106.7	107.8	107.5	106.3	105.9	*105.4	*105.5	*106.0	P 105.9	
Clothing	101.6	95.7	96.4	95.7	95.6	94.6	95.3	94.2	91.7	92.1	90.6	90.8	*90.4	*90.6	*92.2	P 93.0	
Chemical products	109.5	113.2	113.0	112.8	112.4	114.3	115.1	115.9	113.5	113.5	114.7	114.8	114.2	*114.7	*114.6	P 115.4	
Paper products	114.3	119.6	118.6	118.3	120.3	119.3	121.9	123.4	122.8	122.7	122.1	121.0	122.2	*122.8	*121.4	P 121.9	
Energy products	106.7	105.9	104.1	105.3	106.7	109.0	108.0	108.8	106.4	106.6	106.5	105.2	*105.5	*104.4	*108.5	P 108.0	
Equipment, total	112.3	115.5	116.2	116.8	117.2	117.2	117.8	117.0	115.1	113.6	113.6	112.9	113.6	*112.9	*112.7	P 112.9	
Business equipment	119.1	123.0	123.5	124.4	125.0	125.4	126.4	125.4	125.4	122.9	121.2	121.6	120.6	120.3	*121.4	*121.7	P 121.7
Information processing and related	121.7	127.2	126.6	126.3	128.0	128.5	128.5	130.1	128.8	127.5	130.1	131.6	131.2	*131.5	*131.9	P 131.9	
Office and computing machines	137.2	149.6	148.9	150.6	152.7	152.2	153.6	155.3	149.8	148.9	155.0	157.3	155.1	*155.6	*156.0	P 155.9	
Industrial	113.8	115.2	115.8	116.0	117.2	117.9	117.4	115.4	112.3	111.5	109.1	109.5	*109.6	*108.8	*108.9	P 108.9	
Transit	123.8	130.0	132.5	137.4	135.5	135.4	140.5	137.5	126.3	123.4	124.0	120.3	120.4	*126.2	*128.3	P 128.3	
Autos and trucks	103.9	96.7	105.7	112.2	103.1	101.5	111.0	106.5	83.9	75.3	79.8	75.0	76.7	*84.4	*87.9	P 90.8	
Defense and space equipment	97.4	97.3	97.6	97.6	97.8	97.7	97.3	97.3	96.2	95.8	94.4	94.5	*93.9	92.5	*91.6	P 91.3	
Oil and gas well drilling	93.7	109.3	118.6	119.5	116.2	106.9	107.4	107.1	109.7	107.3	106.4	108.2	107.7	105.1	*101.3	*103.0	P 103.0
Manufactured homes	92.3	90.6	91.3	92.8	90.0	93.4	91.8	89.0	87.3	83.4	83.1	77.3	79.3	83.1	*86.6	*83.4	P 83.4
Intermediate products	106.8	107.7	108.3	108.3	108.4	107.9	107.4	107.0	106.2	106.0	103.8	102.6	*101.3	*101.3	*102.0	P 103.1	
Construction supplies	106.1	105.2	106.5	106.0	106.7	105.3	103.8	103.1	101.8	101.0	97.7	96.4	*94.0	*94.9	*95.3	*97.0	P 97.0
Business supplies	107.3	109.4	110.2	109.8	109.5	109.7	109.9	109.7	109.2	109.4	108.1	106.8	*106.4	*105.7	*106.7	P 107.3	
Materials	107.4	107.8	107.7	108.8	109.6	109.7	109.4	108.3	106.8	105.3	104.8	103.9	102.6	*103.3	*104.2	P 105.2	
Durable	111.6	111.8	112.5	113.8	114.0	114.9	114.1	112.5	110.4	107.5	106.8	105.5	103.3	*104.7	*105.7	P 106.7	
Nondurable	105.3	106.0	105.2	106.1	107.8	106.8	106.9	106.5	105.6	104.9	104.9	103.6	*102.8	*103.1	*103.5	P 104.5	
Energy	101.3	102.1	101.1	102.1	103.3	103.0	103.0	102.3	101.6	102.0	101.1	101.1	*101.3	*101.0	*102.2	P 103.1	
By industry groups:																	
Mining	100.5	102.5	102.2	102.2	104.0	102.4	103.9	102.6	103.3	103.4	101.7	102.9	*101.5	*100.8	*100.5	P 102.0	
Metal mining	141.4	152.8	148.7	156.7	164.8	155.7	163.6	146.8	153.4	162.0	143.1	148.0	147.6	*143.5	*144.1	P 144.7	
Coal	105.7	113.4	110.0	113.5	118.5	110.2	116.8	114.7	112.9	110.6	108.4	112.8	109.9	105.9	*103.4	*109.6	
Oil and gas extraction #	95.5	95.5	96.0	94.6	95.5	95.8	95.8	95.8	97.3	96.7	96.0	97.2	96.4	*96.6	*96.4	P 97.0	
Crude oil	91.4	87.5	86.5	83.8	86.1	87.6	86.8	87.5	89.0	90.5	89.9	89.0	88.4	*88.7	88.1	.....
Natural gas	102.7	104.6	106.3	106.4	107.1	105.4	105.7	104.8	106.5	103.4	101.8	106.0	104.9	106.4	108.0	.....
Stone and earth minerals	113.9	119.3	119.9	121.1	121.8	120.1	121.7	118.0	113.5	118.9	119.2	112.0	*108.0	*107.0	*109.6	P 110.9	
Utilities	107.0	108.0	107.1	109.7	109.7	111.4	110.3	109.2	106.9	108.8	107.6	104.6	*106.4	*105.7	*109.8	P 109.2	
Electric	108.1	110.8	110.3	113.1	112.1	113.6	112.9	112.1	109.6	111.8	110.4	107.8	*109.8	*109.8	*115.1	*114.4	
Gas	103.0	97.7	95.2	97.4	100.7	103.3	100.9	98.1	97.0	97.6	97.5	92.8	*93.6	*90.4	*90.1	P 90.1	
Manufacturing	108.9	109.9	110.3	110.8	111.1	111.1	111.2	110.7	108.9	107.5	107.0	106.1	105.2	*105.9	*106.4	P 107.1	
Durable	110.9	111.6	112.6	113.4	113.4	113.5	113.8	112.5	109.9	107.5	107.2	106.1	105.0	*106.0	*106.6	P 107.4	
Lumber and products	103.1	101.1	101.7	102.0	103.6	100.5	100.3	98.2	95.5	93.5	94.2	91.5	*91.2	*92.5	*93.0	P 95.1	
Furniture and fixtures	105.3	105.9	108.0	108.7	108.0	106.7	106.9	104.4	102.3	102.0	99.0	94.9	*95.4	*98.3	*98.6	P 99.8	
Clay, glass, and stone products	108.0	105.8	106.4	106.1	106.0	106.6	104.5	104.4	103.8	100.7	97.2	98.9	*94.4	*94.8	*94.5	P 96.1	
Primary metals	109.2	108.2	106.2	109.5	110.3	114.6	111.6	108.6	109.1	104.2	99.7	99.5	*94.7	*94.5	*96.5	P 98.2	
Iron and steel	109.3	109.7	105.5	110.3	110.6	118.3	113.9	110.3	112.6	107.3	99.0	98.0	92.0	*91.6	*94.0	P 95.9	
Nonferrous	109.0	106.1	107.1	108.3	109.8	109.4	108.4	106.2	104.1	99.8	100.6	101.6	*98.4	*98.6	*100.0	P 101.5	
Fabricated metal products	107.2	105.8	107.1	106.7	107.7	107.9	106.8	106.4	104.3	101.9	101.7	99.1	97.8	*98.1	*99.3	P 100.7	
Nonelectrical machinery	121.8	126.5	126.9	127.5	128.3	128.8	128.5	128.1	126.3	124.7	125.5	124.5	*123.1	*123.5	*123.3	P 123.4	
Electrical machinery	109.5	111.4	112.4	112.8	112.2	112.5	112.5	110.8	110.4	108.7	107.6	108.2	108.6	*109.6	*110.3	P 110.8	
Transportation equipment	107.2	105.5	109.0	111.0	109.3	107.9	111.1	109.2	100.1	96.6	97.6	95.5	95.0	*97.3	*98.3	P 99.7	
Motor vehicles and parts	104.9	96.8	104.0	108.0	102.7	101.0	107.5	103.8	85.8	83.0	79.4	79.8	86.2	*89.7	*92.5	P 92.5	
Instruments	116.4	116.9	116.5	115.0	116.9	117.5	118.4	118.1	118.1	117.3	119.0	119.3	118.4	*118.6	*118.1	P 117.8	
Nondurable	106.4	107.8	107.4	107.6	108.1	108.1	108.0	108.4	107.7	107.4	106.8	106.0	105.4	*105.8	*106.2	P 106.8	
Foods	105.5	107.6	106.8	106.1	107.1	107.7	107.6	108.8	109.6	109.1	108.3	107.6	*107.4	107.5	107.8	P 107.7	
Tobacco products	99.6	98.7	97.2	95.6	95.5	96.3	96.4	97.8	99.0	101.1	100.0	100.1	*98.2	*98.2	*98.0	P 98.0	
Textile mill products	101.9	100.7	102.7	103.6	102.9	100.4	100.7	101.2	97.4	96.1	94.0	94.3	*95.4	*97.2	*99.4	P 100.4	
Apparel products	104.3	98.8	99.2	99.3	99.2	98.8	98.4	97.2	95.5	94.9	92.9	93.1	*92.5	*93.2	*95.2	P 95.6	
Paper and products	103.2	105.4	104.0	104.2	107.8	106.5	107.5	106.8	105.1	105.4	104.2	102.2	101.3	*101.3	*101.7	P 102.7	
Printing and publishing	108.5	112.0	112.8	112.0	111.4	110.9	111.6	112.9	112.4	112.8	112.1	110.9	*110.4	*110.7	*110.1	P 110.3	
Chemicals and products	108.5	110.1	109.2	110.3	110.4	111.1	110.9	110.7	110.0	109.9	110.1	109.1	108.2	*108.7	*108.9	P 109.8	
Petroleum products	106.1	108.3	104.6	106.5	110.5	110.2	109.3	108.6	107.8	105.6	104.7	108.8	*108.5	*105.7	*107.1	P 109.0	
Rubber and plastics products	108.9	110.2	110.9	112.8	110.9	112.0	110.3	110.6	109.6								

	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
GENERAL BUSINESS INDICATORS—Continued																
BUSINESS INVENTORIES																
<i>(Millions of dollars; constant (1982) dollar series in billions of dollars)</i>																
Manufacturing and trade inventories, book value (non-LIFO basis), end of period, (unadjusted), total	798,787	815,348	818,312	809,332	814,755	816,675	823,540	843,061	847,768	815,348	824,829	827,742	820,398	*820,214	813,374	
Manufacturing and trade inventories, book value (non-LIFO basis), end of period, (seas. adj.), total	810,257	826,941	*816,667	812,457	818,951	823,468	827,145	830,414	832,464	826,941	831,445	828,201	819,615	*816,893	812,471	
Manufacturing, total	383,825	388,811	386,235	384,373	387,104	387,986	390,992	391,460	392,370	388,811	388,381	388,459	385,982	*385,145	381,994	
Durable goods industries	253,261	252,836	254,564	252,877	254,521	254,721	255,278	255,113	256,387	252,836	252,170	252,256	250,405	*249,546	247,011	
Nondurable goods industries	130,564	135,975	131,671	131,496	132,583	133,265	136,714	136,347	135,983	135,975	136,211	136,203	135,577	*135,599	134,983	
Retail trade, total	238,159	242,563	*237,875	237,445	239,657	242,893	243,217	244,901	244,550	242,563	244,071	241,179	236,900	*236,696	235,902	
Durable goods stores	120,663	120,629	*118,678	118,830	120,165	123,271	123,559	124,048	122,947	120,629	121,217	119,239	116,041	*116,087	115,365	
Nondurable goods stores	117,496	121,934	*119,197	118,615	119,492	119,622	119,658	120,853	121,603	121,934	122,854	121,940	120,859	*120,609	120,537	
Merchant wholesalers, total	188,273	195,567	*192,557	190,639	192,190	192,589	192,936	194,053	195,544	195,567	198,993	198,563	196,733	*195,052	194,575	
Durable goods establishments	123,436	128,619	*126,357	125,405	126,204	127,375	127,614	127,235	127,971	128,619	131,331	131,254	129,885	*128,607	127,786	
Nondurable goods establishments	64,837	66,948	*66,200	65,234	65,986	65,214	65,322	66,818	67,573	66,948	67,662	67,309	66,848	*66,445	66,789	
Manufacturing and trade inventories in constant (1982) dollars, end of period, (seas. adj.), total			700.0	696.9	700.4	699.2	698.2	697.8	698.0	692.7	695.5	693.9	687.7	*686.6	683.8	
Manufacturing			334.9	333.4	335.2	334.2	334.3	332.8	332.6	329.4	330.8	330.8	327.4	*327.0	327.4	
Retail trade			194.6	194.8	195.5	195.3	195.0	195.7	195.1	192.7	192.5	189.7	186.5	*186.6	186.0	
Merchant wholesalers			170.6	168.7	169.6	169.6	168.9	169.3	170.3	170.3	173.5	173.3	171.8	*170.8	170.3	
BUSINESS INVENTORY-SALES RATIOS																
Manufacturing and trade, total			1.51	1.49	1.51	1.48	1.50	1.50	1.52	1.55	1.58	1.57	1.57	1.54	1.51	
Manufacturing, total			1.59	1.57	1.59	1.54	1.58	1.55	1.60	1.64	1.66	1.67	1.69	1.64	1.60	
Durable goods industries			1.99	1.96	2.01	1.95	2.03	2.00	2.09	2.13	2.14	2.15	2.19	*2.08	2.04	
Materials and supplies			.55	.54	.56	.54	.56	.55	.58	.60	.61	.60	.61	.58	.57	
Work in process			.95	.93	.96	.93	.97	.95	1.00	1.00	1.01	1.01	1.04	.99	.97	
Finished goods			.49	.48	.49	.48	.50	.49	.51	.53	.53	.53	.54	.52	.51	
Nondurable goods industries			1.14	1.14	1.14	1.10	1.11	1.10	1.10	1.15	1.17	1.18	1.19	1.18	1.15	
Materials and supplies			.42	.42	.42	.40	.40	.40	.41	.42	.43	.43	.43	.43	.42	
Work in process			.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	
Finished goods			.53	.53	.53	.51	.52	.51	.51	.55	.55	.55	.56	.55	.54	
Retail trade, total			1.60	1.58	1.59	1.61	1.59	1.61	1.60	1.62	1.65	1.60	1.56	1.57	1.55	
Durable goods stores			*2.19	2.19	2.19	2.29	2.27	2.28	2.27	2.30	2.38	2.24	2.16	*2.17	2.14	
Nondurable goods stores			1.26	1.24	1.24	1.23	1.22	1.24	1.23	1.25	1.27	1.25	1.24	1.24	1.23	
Merchant wholesalers, total			*1.30	1.27	1.29	1.26	1.28	1.29	1.32	1.32	1.37	1.38	1.38	*1.35	1.33	
Durable goods establishments			*1.71	1.68	1.71	1.72	1.75	1.78	1.83	1.81	1.90	1.90	1.87	*1.87	1.85	
Nondurable goods establishments			.89	.86	.88	.84	.84	.86	.87	.89	.90	.91	.91	*.87	.87	
Manufacturing and trade in constant (1982) dollars, total			1.44	1.42	1.44	1.42	1.45	1.45	1.47	1.49	1.51	1.50	1.49	*1.47	1.45	
Manufacturing			1.47	1.46	1.48	1.44	1.47	1.45	1.49	1.53	1.53	1.54	1.55	1.50	1.48	
Retail trade			1.55	1.54	1.54	1.55	1.55	1.57	1.56	1.58	1.60	1.54	1.51	*1.52	1.50	
Merchant wholesalers			1.28	1.26	1.28	1.26	1.30	1.32	1.34	1.35	1.40	1.40	1.39	1.35	1.34	
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS †																
<i>(Millions of dollars)</i>																
Shipments (not seas. adj.), total	2,840,264	2,917,465	245,007	260,400	220,930	248,339	262,422	259,185	244,210	234,271	214,255	231,617	238,810	*235,069	240,469	
Durable goods industries, total	1,494,388	1,504,650	129,954	140,143	110,644	125,921	133,787	131,632	121,237	119,684	104,822	116,914	122,049	*120,571	123,470	
Stone, clay, and glass products	63,763	62,897	5,487	5,812	5,070	5,545	5,575	5,535	4,985	4,197	4,033	4,290	4,402	*4,757	4,762	
Primary metals	153,021	144,185	12,201	12,748	11,394	12,295	12,409	12,743	11,447	10,578	10,617	10,728	10,650	*10,986	10,797	
Blast furnaces, steel mills	62,740	59,921	5,096	5,272	4,620	4,942	4,958	5,213	4,720	4,198	4,499	4,299	4,110	*4,327	4,408	
Fabricated metal products	180,579	188,115	16,713	17,062	14,354	15,665	16,626	16,578	14,901	14,304	13,350	14,819	15,443	*15,017	15,385	
Industrial machinery and equipment	260,805	263,573	21,507	25,079	18,724	20,532	23,989	21,991	21,047	23,834	17,830	20,308	23,286	*20,557	20,371	
Electronic and other electrical equipment	195,225	200,430	16,621	18,015	14,565	16,695	18,134	17,151	17,135	16,925	14,758	16,459	17,443	*16,197	16,998	
Transportation equipment	372,436	377,319	34,540	37,276	25,473	32,458	33,418	34,345	29,803	29,476	25,107	29,488	29,230	*31,591	33,178	
Motor vehicles and parts	233,203	228,050	22,523	23,033	14,133	20,110	19,682	22,197	17,212	11,784	15,467	17,002	15,952	*18,767	20,604	
Instruments and related products	118,000	120,219	10,120	10,740	9,137	9,703	10,620	10,246	10,305	10,810	8,714	9,462	10,182	*9,632	9,920	
Nondurable goods industries, total	1,345,876	1,412,815	115,053	120,257	110,286	122,418	128,635	127,553	122,973	114,587	109,633	114,703	116,761	*114,498	116,999	
Food and kindred products	379,543	397,090	33,350	34,493	31,872	33,411	35,229	34,679	33,511	33,005	29,912	32,651	33,904	*32,152	33,688	
Tobacco products	26,003	28,161	2,663	2,557	1,726	2,468	2,744	2,393	3,179	2,346	1,548	1,826	2,944	*1,817	2,906	
Textile mill products	68,366	63,535	5,922	5,822	4,447	5,494	5,603	5,510	5,293	4,655	4,267	4,831	5,189	*5,026	5,194	
Paper and allied products	128,287	128,761	10,708	11,156	10,542	10,982	11,041	10,904	10,473	10,093	10,030	10,334	10,253	*9,921	9,852	
Chemicals and allied products	275,187	285,612	23,506	24,736	22,049	24,493	25,487	24,260	23,929	23,031	23,701	24,205	24,200	*24,971	24,588	
Petroleum and coal products	146,310	179,357	12,995	13,039	13,035	16,683	18,752	19,604	18,201	16,080	14,935	13,261	12,838	*13,509	14,314	
Rubber and plastics products	94,357	91,657	7,616	8,305	7,426	7,867	8,051	8,335	7,215	6,684	6,953	7,482	7,497	*7,799	7,745	
Shipments (seas. adj.), total			243,214	244,602	242,754	251,502	247,916	251,953	245,827	236,575	234,548	233,215	228,715	*234,886	238,028	
By industry group:																
Durable goods industries, total #			127,891	129,167	126,531	130,441	125,783	127,692	122,693	118,578	117,648	117,432	114,487	*119,721	120,923	
Stone, clay, and glass products			5,334	5,373	5,349	5,288	5,206	5,122	4,983	4,832	4,610	4,544	4,397	*4,556	4,615	
Primary metals			11,948	12,066	12,360	12,307	12,118	12,352	11,754	11,485	11,140	10,620	10,220	*10,626	10,622	
Blast furnaces, steel mills			4,896	4,945	5,005	5,036	4,953	5,108	4,913	4,568	4,623	4,281	3,900	*4,135	4,255	
Fabricated metal products			16,041	15,918	15,804	15,879	15,876	15,854	15,309	15,606	14,846	14,616	14,532	*14,711	14,700	
Industrial machinery and equipment			21,722	21,901	21,207	22,042	21,798	22,433	21,876	22,235	21,066	20,897	20,840	*20,890	20,676	
Electronic and other electrical equipment			17,023	16,673	16,838	16,791	16,536	17,026	16,869	16,550	16,599	16,517	16,525	*16,755	17,209	
Transportation equipment			32,908	34,773	3											

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1987-88*

	Annual		1990										1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		
GENERAL BUSINESS INDICATORS—Continued																		
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS—Continued †																		
(Millions of dollars)																		
Shipments (seas. adj.)—Continued																		
By market category:																		
Home goods and apparel	173,136	170,871	14,409	14,366	14,240	14,114	14,033	14,353	14,320	14,444	14,039	13,930	13,910	14,405	14,377			
Consumer staples	617,547	670,558	54,671	54,211	54,807	57,544	58,092	59,575	59,319	56,705	55,652	55,603	55,191	54,903	56,612			
Machinery and equipment	458,113	472,748	39,120	40,268	39,003	40,690	39,991	40,674	39,250	38,310	38,105	38,199	36,730	38,623	39,164			
Automotive equipment	113,294	103,865	9,431	9,622	9,056	9,963	8,900	9,282	7,753	6,426	7,090	7,045	6,686	7,815	8,241			
Construction materials and supplies	175,948	170,750	14,581	14,544	14,414	14,367	14,020	13,888	13,498	13,348	12,941	12,769	12,563	13,091	13,273			
Other materials, supplies, and intermediate products	974,969	983,829	82,355	83,009	82,573	85,267	83,408	84,145	82,098	78,870	78,606	77,547	75,795	77,875	78,530			
Supplementary series:																		
Household durables	76,973	77,561	6,424	6,427	6,384	6,429	6,449	6,515	6,513	6,658	6,383	6,242	6,215	6,460	6,424			
Capital goods industries	471,469	491,594	40,588	41,433	40,270	41,610	41,091	41,539	41,142	41,523	39,923	40,711	39,971	40,593	40,517			
Nondefense	384,922	384,663	31,295	32,378	31,223	32,478	32,416	32,632	32,089	32,722	31,721	32,213	31,405	31,733	32,091			
Defense	106,547	106,931	9,293	9,055	9,047	9,132	8,675	8,907	9,043	8,801	8,202	8,498	8,566	8,860	8,426			
Inventories, end of year or month:																		
Book value (non-LIFO basis), (unadjusted), total	377,201	382,135	389,654	383,994	388,114	389,637	388,993	391,165	391,216	382,135	387,733	390,570	386,434	387,458	384,632			
Durable goods industries, total	248,011	247,615	257,462	253,034	255,373	255,977	253,780	254,748	255,440	247,615	251,035	253,719	251,017	251,304	249,405			
Non-durable goods industries, total	129,190	134,520	132,192	130,960	132,741	133,660	135,213	136,417	135,776	134,520	136,698	136,851	135,417	136,154	135,227			
Book value (non-LIFO basis), (seasonally adjusted), total	383,825	388,811	386,235	384,373	387,104	387,986	390,992	391,460	392,370	388,811	388,381	388,459	385,982	385,145	381,994			
By industry group:																		
Durable goods industries, total #	253,261	252,836	254,564	252,877	254,521	254,721	255,278	255,113	256,387	252,836	252,170	252,256	250,405	249,546	247,011			
Stone, clay, and glass products	7,780	8,157	7,686	7,760	7,761	7,828	7,911	8,039	8,078	8,157	8,223	8,243	8,138	8,096	8,014			
Primary metals	22,663	23,651	22,435	22,723	22,974	23,301	23,584	23,612	23,544	23,651	23,257	23,216	23,265	23,029	22,638			
Blast furnaces, steel mills	10,948	11,658	10,838	10,873	11,006	11,145	11,304	11,313	11,388	11,658	11,400	11,368	11,426	11,216	11,019			
Fabricated metal products	24,600	24,585	24,736	24,546	24,683	24,759	24,653	24,904	24,863	24,585	24,519	24,717	24,272	23,992	23,632			
Industrial machinery and equipment	48,557	47,724	48,731	48,078	48,289	48,294	48,457	48,409	48,499	47,724	47,977	48,198	47,921	48,014	47,834			
Electronic and other electrical equipment	31,130	30,067	30,939	30,750	30,975	30,856	30,720	30,607	30,584	30,067	29,947	29,698	29,719	29,714	29,509			
Transportation equipment	72,576	73,424	73,676	72,969	73,921	73,523	73,511	73,228	74,818	73,424	73,486	73,551	73,116	72,985	72,171			
Motor vehicles and parts	12,159	13,039	13,172	12,161	12,170	12,408	12,408	12,370	12,370	13,039	13,039	13,228	12,919	12,867	12,439			
Instruments and related products	24,998	24,273	25,170	25,008	24,931	24,967	24,982	25,119	24,826	24,273	23,975	23,928	23,640	23,743	23,556			
By stage of fabrication:																		
Materials and supplies	71,295	71,191	70,599	70,107	70,637	70,044	70,268	70,741	71,041	71,191	71,208	70,980	70,101	69,274	68,580			
Work in process	120,890	119,169	121,617	120,546	121,509	121,956	122,352	121,692	122,487	119,169	119,010	118,646	118,041	117,201				
Finished goods	61,076	62,476	62,348	62,224	62,375	62,721	62,658	62,680	62,659	62,476	61,947	62,266	61,658	62,231	61,230			
Non-durable goods industries, total #																		
Food and kindred products	130,564	135,975	131,671	131,496	132,583	133,265	135,714	136,347	135,983	135,975	136,211	136,203	135,577	135,599	134,983			
Tobacco products	26,880	27,784	27,292	27,359	27,533	27,696	28,055	28,186	28,047	27,784	28,091	28,137	28,221	28,321	28,195			
Textile mill products	5,094	5,375	5,273	5,333	5,330	5,438	5,396	5,322	5,375	5,375	5,642	5,720	5,662	5,851	5,800			
Paper and allied products	8,999	8,846	9,134	9,026	9,005	9,021	9,086	9,080	8,933	8,846	8,892	8,881	8,699	8,639	8,596			
Chemicals and allied products	12,962	13,362	13,194	13,245	13,303	13,192	13,225	13,241	13,247	13,362	13,547	13,695	13,771	13,720	13,568			
Petroleum and coal products	31,098	32,366	31,129	31,082	31,339	31,253	31,557	31,897	32,172	32,366	32,651	32,762	32,805	32,772	32,696			
Rubber and plastics products	10,688	13,175	11,662	11,813	11,008	11,736	13,328	13,370	13,304	13,175	12,279	11,871	11,586	11,563	11,727			
Rubber and plastics products	11,430	11,995	11,280	11,265	11,373	11,363	11,629	11,952	11,940	11,995	12,054	11,959	11,766	11,801	11,679			
By stage of fabrication:																		
Materials and supplies	48,456	49,710	48,405	48,275	48,654	49,003	49,407	49,845	49,981	49,710	50,034	49,706	49,661	49,523	49,327			
Work in process	22,424	22,906	22,476	22,171	22,296	22,683	23,149	23,155	22,950	22,906	22,426	22,369	21,998	22,296	22,192			
Finished goods	59,684	63,359	60,790	61,050	61,643	61,579	63,158	63,347	63,052	63,359	63,751	64,128	63,918	63,780	63,464			
By market category:																		
Home goods and apparel	28,080	26,567	28,090	27,910	27,569	27,618	27,592	27,158	26,841	26,567	26,280	26,180	25,703	25,444	25,379			
Consumer staples	51,075	54,407	52,126	52,124	52,553	53,288	54,640	54,772	54,573	54,407	54,616	54,589	54,466	54,796	54,724			
Machinery and equipment	87,474	87,135	87,687	86,425	87,290	87,044	87,498	87,421	87,914	87,135	87,645	87,612	87,378	87,832	87,400			
Automotive equipment	6,373	6,698	6,562	6,450	6,710	6,552	6,513	6,526	6,604	6,698	6,660	6,677	6,472	6,454	6,321			
Construction materials and supplies	23,508	23,957	23,384	23,423	23,501	23,721	24,005	24,107	24,035	23,957	23,865	23,922	23,637	23,341	23,001			
Other materials, supplies, and intermediate products	128,055	131,364	127,975	128,025	129,460	129,379	130,432	131,188	131,513	131,364	131,625	131,474	130,508	129,945	128,505			
Supplementary series:																		
Household durables	13,548	12,901	13,577	13,464	13,246	13,371	13,362	13,254	13,158	12,901	12,807	12,758	12,442	12,225	12,138			
Capital goods industries	124,243	121,951	125,045	123,620	124,296	124,218	124,322	123,975	124,938	121,951	121,856	121,907	121,538	121,727	120,986			
Nondefense	84,141	83,334	84,200	83,016	83,996	83,486	83,885	83,770	84,212	83,334	84,132	83,908	83,985	84,146	83,837			
Defense	40,102	38,617	40,845	40,602	40,360	40,732	40,437	40,205	40,726	38,617	37,724	37,999	37,553	37,581	37,149			
New orders, net (seas. adj.), total																		
Durable goods industries, total	2,889,092	2,923,715	245,028	255,799	223,035	244,225	263,029	260,229	238,277	237,406	217,443	234,071	238,355	231,020	239,549			
Durable goods industries, total	1,543,806	1,511,501	130,142	135,658	113,055	121,242	134,528	133,369	115,896	123,043	107,749	119,158	120,990	116,644	121,719			
Non-durable goods industries, total	1,345,286	1,412,214	114,886	120,141	109,980	122,983	128,501	126,860	122,381	114,363	109,694	114,913	117,365	114,376	117,830			
New orders, net (seas. adj.), total																		
Durable goods industries, total	1,543,806	1,511,501	129,936	127,057	129,387	129,020	126,893	130,875	116,193	120,221	117,789	117,547	112,116	116,139	120,074			
Primary metals	149,818	143,388	12,299	12,103	12,411	12,119	11,993	12,653	11,190	10,459	9,506	9,776	9,725	10,490	10,496			
Blast furnaces, steel mills	60,458	58,201	5,204	5,062	5,103	5,160	4,857	5,223	4,204	3,786	3,555	3,639	3,664	4,279	4,350			
Nonferrous and other primary metals	77,325	73,379	6,074	5,998	6,298	6,990	6,186	6,448	6,078	5,926	5,215	5,134	5,274	5,429	5,320			
Fabricated metal products	177,552	187,049	15,634	15,848	16,093	15,577	16,503	15,156	14,879	15,532	15,196	14,278	14,328	14,874	14,699			
Industrial machinery and equipment	262,898	281,443	21,878	21,427	22,400	21,065	22,398	21,904	21,984	20,492	21,785	19,899						

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1961-88*

	Annual		1990									1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	

GENERAL BUSINESS INDICATORS—Continued

MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS—Continued ††																
[Millions of dollars]																
Unfilled orders, end of period (unadjusted), total	517,822	524,072	531,829	527,228	529,333	525,219	525,826	526,870	520,937	524,072	527,280	529,714	529,259	*525,210	524,290	
Durable goods industries, total	497,280	504,131	510,388	505,903	508,314	503,635	504,376	506,113	500,772	504,131	507,258	509,502	508,443	*504,516	502,765	
Nondurable goods industries with unfilled orders ‡	20,542	19,941	21,441	21,325	21,019	21,584	21,450	20,757	20,165	19,941	20,002	20,212	20,816	*20,694	21,525	
Unfilled orders, end of period (seasonally adjusted) total	520,837	527,195	528,901	526,695	528,980	528,070	529,141	532,164	525,574	527,195	527,109	527,026	524,742	*521,085	521,070	
By industry group:																
Durable goods industries, total #	499,494	506,375	507,614	505,504	508,360	506,939	508,049	511,232	504,732	506,375	506,516	506,631	504,280	*500,678	499,829	
Primary metals	23,927	23,122	24,536	24,573	24,624	24,536	24,411	24,712	24,148	23,122	21,488	20,644	20,149	*20,013	19,887	
Blast furnaces, steel mills	9,308	8,578	9,711	9,828	9,926	10,050	9,954	10,069	9,360	8,578	7,510	7,068	6,832	*6,976	7,071	
Nonferrous and other primary metals	11,930	11,416	11,855	11,732	11,682	11,301	11,313	11,481	11,632	11,416	10,981	10,621	10,405	*10,194	10,007	
Fabricated metal products	28,477	27,411	28,069	27,999	28,288	27,986	28,613	27,915	27,485	27,411	27,761	27,423	27,219	*27,382	27,381	
Industrial machinery and equipment	59,354	57,185	59,007	58,533	59,726	58,749	59,349	58,820	58,569	57,185	57,964	56,966	55,998	*55,351	55,536	
Electronic and other electrical equipment	48,377	49,185	48,793	49,047	48,705	49,147	48,695	49,032	48,113	49,185	48,829	50,379	49,496	*50,071	49,730	
Transportation equipment	261,092	277,502	270,322	268,782	270,384	270,094	270,891	275,001	272,465	277,502	279,233	280,079	281,108	*278,159	277,456	
Aircraft, missiles, and parts	223,248	241,418	232,474	231,898	234,180	233,255	234,746	238,744	237,129	241,418	242,391	243,762	245,407	*243,014	241,600	
Nondurable goods industries with unfilled orders ‡	21,343	20,820	21,287	21,191	20,620	21,131	21,092	20,932	20,842	20,820	20,593	20,395	20,482	*20,407	21,241	
By market category:																
Home goods and apparel	8,328	8,586	7,788	7,873	7,851	8,110	8,493	8,403	8,790	8,586	7,975	7,714	7,729	*7,925	8,022	
Consumer staples	1,420	1,283	1,326	1,330	1,344	1,353	1,344	1,333	1,324	1,283	1,291	1,304	1,239	*1,239	1,216	
Machinery and equipment	206,341	229,017	214,208	214,527	218,066	216,955	218,792	224,088	223,166	229,017	230,861	231,945	232,182	*229,362	227,342	
Automotive equipment	2,026	1,843	2,104	2,012	1,997	2,001	1,985	1,955	1,894	1,843	1,875	1,879	1,853	*1,866	1,887	
Construction materials and supplies	13,024	12,550	12,756	12,742	12,874	12,881	13,128	13,052	12,694	12,550	12,439	12,304	12,385	*12,493	12,622	
Other materials, supplies, and intermediate products	129,044	125,773	131,571	130,045	129,870	130,160	129,880	129,359	127,640	125,773	124,910	124,810	123,871	*123,829	124,522	
Supplementary series:																
Household durables	5,750	5,203	5,130	5,232	5,262	5,238	5,352	5,225	5,464	5,203	4,752	4,602	4,554	*4,674	4,781	
Capital goods industries	391,696	402,026	398,996	397,795	400,591	399,067	400,160	403,359	398,145	402,026	403,743	404,710	403,371	*399,316	398,125	
Nondefense	226,633	250,310	235,790	235,913	239,964	239,093	241,096	245,687	244,472	250,310	252,546	254,089	254,624	*251,639	249,443	
Defense	165,063	151,716	163,206	161,882	160,627	159,994	159,064	157,672	153,673	151,716	151,197	150,621	148,747	*147,677	148,682	
BUSINESS INCORPORATIONS @																
[Number]																
New incorporations (50 States and DC):																
Unadjusted	676,565	643,022	57,208	55,720	49,588	53,115	42,002	53,068	45,714	50,394	54,227	48,419	55,917	55,735		
Seasonally adjusted			53,316	54,097	51,440	52,074	52,334	51,824	51,422	52,060	51,991	50,384	51,536	52,235		
INDUSTRIAL AND COMMERCIAL FAILURES @																
[For failures, number; for liabilities, millions of dollars]																
Failures, total	50,361	60,432	*5,127	5,252	4,713	5,637	4,865	6,079	5,354	5,148	6,690	6,876	7,330	7,464	7,786	
Commercial service	12,779	16,063	*1,361	1,410	1,339	1,587	1,374	1,568	1,416	1,414	1,759	1,802	1,876	1,931	2,022	
Construction	7,120	8,072	*710	713	620	752	638	731	689	635	900	913	1,036	1,043	1,023	
Manufacturing and mining	4,284	5,090	*413	430	376	485	400	478	444	405	496	599	567	572	630	
Retail trade	11,120	12,828	*1,095	1,074	1,073	1,166	987	1,258	1,084	991	1,360	1,307	1,442	1,448	1,549	
Wholesale trade	3,687	4,376	*344	360	324	418	353	463	398	362	433	454	495	533	516	
Liabilities (current), total	42,328.8	64,044.1	*4,658.9	9,932.0	3,087.0	5,973.9	4,017.2	4,473.0	3,591.9	4,676.5	10,242.8	11,997.2	7,317.7	5,069.1	12,248.0	
Commercial service	4,250.9	6,767.3	*395.7	445.7	379.5	751.7	1,383.1	542.2	781.9	518.7	984.2	5,189.9	919.9	759.6	601.5	
Construction	2,837.7	2,905.2	*131.2	257.8	177.9	155.3	293.5	354.8	185.3	115.6	168.8	396.3	163.0	748.0	595.1	
Manufacturing and mining	3,593.2	6,823.7	*168.5	693.2	644.4	375.8	528.6	602.2	735.8	1,146.4	1,667.2	4,179.1	643.3	795.8	374.1	
Retail trade	2,721.6	7,716.0	*2,286.9	294.9	191.2	224.5	297.1	351.6	264.6	584.9	2,150.8	416.8	280.9	675.3	413.6	
Wholesale trade	1,187.5	2,414.8	*114.9	131.5	141.8	207.3	244.8	226.6	286.7	168.5	206.7	258.2	326.1	288.6	241.3	
Failure annual rate, number per 10,000 concerns	65.0	75.0														

COMMODITY PRICES

PRICES RECEIVED AND PAID BY FARMERS †																
[1910=100]																
Prices received, all farm products	*674	684	*697	*695	*692	*690	*676	*666	*671	654	663	661	681	679	*694	708
Crops #	*581	554	*579	*563	*560	*541	533	*521	*536	525	533	529	554	566	*598	635
Commercial vegetables	*756	767	612	*593	*689	*693	*728	*786	*827	*704	726	707	828	848	*1,068	844
Cotton	*503	*546	559	*540	*546	*550	570	*574	556	542	573	578	598	582	590	
Feed grains and hay	*404	389	428	*418	*413	*397	*379	361	*356	*361	368	374	385	392	*385	363
Food grains	428	338	382	*360	*320	*297	282	*278	275	278	278	282	294	303	*307	307
Fruit	*710	*709	*769	*762	*724	*674	*732	*671	*759	*739	771	728	787	788	*869	1,466
Tobacco	*1,406	*1,444	1,432	1,432	*1,399	*1,416	*1,484	*1,471	1,477	1,479	1,494	1,493	1,486	1,488	1,488	1,488
Livestock and products #	*770	*820	*819	*833	*830	*847	*826	*818	*813	789	799	800	813	798	*794	783
Dairy products	*829	*837	826	844	*856	*868	*850	*801	*777	*716	716	716	697	691	*697	697
Meat animals	983	1,088	*1,089	*1,104	*1,104	*1,133	*1,098	*1,094	*1,104	*1,084	1,089	1,108	1,122	1,116	*1,108	1,086
Poultry and eggs	*312	299	*302	*290	*291	*288	*292	*304	*291	*284	306	279	310	278	272	
Prices paid:																
Production items	*958	*988			*985			1,009			1,004				1,012	
All commodities and services, interest, taxes, and wage rates (parity index)	*1,220	*1,265			*1,265			1,289			1,285				1,305	
Parity ratio ‡	55	54	56	55	55	54	54	52	52	51	51			52		
CONSUMER PRICES																
[1962=100]																
Not seasonally adjusted:																
All items, wage earners and clerical workers (CPI-W)	122.6	129.0	127.5	128.3	128.7	129.9	131.1	131.9	132.2	132.2	132.8	132.8	133.0	133.3	133.8	134.1
All items, all urban consumers (CPI-U)	124.0	130.7	129.2	129.9	130.4	131.6	132.7	133.5	133.8	133.8	134.6	134.8	135.0	135.2	135.6	136.0
Special group indexes:																
All items less shelter	121.6	128.2	126.7	127.3	127.5	128.6	130.1	131.2	131.5	131.5	132.1	132.2	132.2	132.6	133.1	133.3
All items less food	123.7	130.3	128.7	129.4	130.0	131.3	132.6	133.5	133.7	133.7	134.3	134.6	134.8	134.9	135.	

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1961-88*

	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
COMMODITY PRICES—Continued																
CONSUMER PRICES—Continued																
<i>[1982=84=100, unless otherwise indicated]</i>																
Not seasonally adjusted—Continued																
All items (CPI-U)—Continued																
Commodities	116.7	122.8	121.4	121.6	121.6	122.8	124.6	126.1	126.3	126.0	126.0	125.7	125.7	126.4	126.8	126.7
Nondurables	118.2	126.0	124.2	124.6	124.6	126.3	128.7	130.4	130.5	130.0	129.8	129.3	129.2	130.2	130.6	130.4
Nondurables less food	111.7	119.9	117.5	117.6	117.0	119.9	124.1	126.8	126.6	125.7	124.0	123.2	122.9	123.9	124.6	123.9
Durables	112.2	113.4	113.2	112.9	113.0	112.9	112.8	113.6	114.1	114.5	115.0	115.5	115.5	115.5	115.9	116.0
Commodities less food	112.0	117.4	115.9	115.8	115.5	117.2	119.8	121.8	121.8	121.4	120.6	120.3	120.1	120.7	121.3	120.9
Services	131.9	139.2	137.6	138.8	139.9	140.9	141.4	141.7	142.0	142.3	143.8	144.5	144.8	144.7	145.0	145.8
Food #	125.1	132.4	131.3	132.0	132.7	132.9	133.2	133.6	134.0	134.2	135.8	135.5	135.8	136.7	136.8	137.2
Food at home	124.2	132.3	130.9	131.7	132.5	132.7	132.9	133.4	133.8	133.8	136.4	135.7	136.0	137.0	136.9	137.4
Housing	123.0	128.5	127.1	128.3	129.2	130.2	130.5	130.6	130.4	130.5	131.8	132.4	132.6	132.5	132.8	133.4
Shelter #	132.8	140.0	138.3	139.5	141.1	142.4	142.3	142.4	142.4	142.7	144.0	144.6	145.2	145.2	145.2	145.8
Rent, residential	132.8	138.4	137.3	137.9	138.7	139.4	140.0	140.5	140.7	141.1	141.2	141.5	142.0	142.5	142.8	143.0
Homeowners' cost, Dec. 1982=100	137.3	144.6	143.1	144.4	145.4	146.5	147.0	147.2	147.3	147.5	147.9	148.2	148.4	148.8	149.2	149.7
Fuel and other utilities #	107.8	111.6	109.9	112.2	111.3	112.7	114.0	113.4	112.9	112.7	114.8	114.7	114.1	113.1	114.2	115.8
Fuel oil and other household fuel commodities	81.7	99.3	88.0	84.9	82.7	91.8	104.4	118.5	117.0	114.1	111.2	105.7	99.3	94.4	90.9	89.3
Gas (piped) and electricity	107.5	109.3	107.8	112.4	111.7	111.6	112.4	109.0	108.0	108.6	111.5	111.5	110.8	109.4	111.5	114.6
Household furnishings and operation	111.2	113.3	113.2	113.1	113.6	113.3	113.8	114.2	113.8	113.7	114.1	115.6	115.7	115.9	116.3	118.8
Apparel and upkeep	118.6	124.1	125.5	123.3	120.8	122.2	126.8	128.4	127.5	125.3	123.8	126.2	128.8	130.1	129.4	126.9
Transportation	114.1	120.5	117.7	118.2	118.4	120.6	123.0	125.8	126.9	127.2	125.5	123.7	122.3	122.2	123.3	123.7
Private	112.9	118.8	115.9	116.4	116.6	119.0	121.4	124.2	125.1	123.2	121.2	119.9	120.2	121.5	121.9	121.9
New cars	119.2	121.0	120.7	120.3	119.8	119.5	119.0	120.5	122.1	123.5	124.6	125.9	125.4	125.3	125.4	125.3
Used cars	120.4	117.6	116.9	117.6	118.2	118.3	118.3	118.1	117.2	117.1	116.1	115.1	114.4	115.0	117.0	118.8
Public	129.5	142.6	140.9	141.5	141.6	141.9	144.0	146.6	150.3	154.4	155.4	156.2	153.3	147.1	146.0	146.6
Medical care	149.3	162.8	160.8	161.9	163.5	165.0	165.8	167.1	168.4	169.2	171.0	172.5	173.7	174.4	175.2	176.2
Seasonally adjusted ‡																
All items, percent change from previous month			.2	.6	.4	.8	.8	.6	.3	.3	.4	.2	-.1	.2	.3	.2
Commodities			121.1	121.6	122.0	123.2	124.6	125.8	126.1	126.2	126.3	126.1	125.6	126.0	126.5	126.8
Commodities less food			115.6	116.0	116.3	117.9	119.8	121.3	121.4	121.5	121.3	121.1	120.2	120.9	121.0	121.1
Food			131.2	132.1	132.8	133.2	133.6	134.1	134.7	134.9	135.7	135.4	135.7	136.7	136.7	137.4
Food at home			130.5	131.7	132.4	132.9	133.3	133.9	134.6	134.8	135.9	135.2	135.5	136.8	136.5	137.4
Apparel and upkeep			123.9	124.1	124.4	124.8	125.5	125.1	125.3	125.7	126.9	128.9	127.4	127.2	127.8	127.7
Transportation			117.6	118.1	118.4	120.7	123.4	125.8	126.9	126.9	125.4	124.0	122.8	122.4	123.2	123.5
Private			115.9	116.4	116.7	119.2	122.0	124.3	124.8	124.9	123.2	121.6	120.6	120.7	121.6	121.8
New cars			120.6	120.6	120.5	120.9	121.1	121.2	121.5	122.0	123.6	124.2	124.8	125.2	125.3	125.6
Services			137.9	138.8	139.6	140.4	141.1	141.6	142.1	142.7	143.9	144.6	144.9	145.1	145.5	145.8
PRODUCER PRICES §																
<i>[1982=100 unless otherwise indicated]</i>																
Not seasonally adjusted:																
All commodities	112.2	116.3	114.6	114.3	114.5	116.5	118.4	120.8	120.1	118.7	119.0	117.2	116.1	116.0	116.5	116.3
By stage of processing:																
Crude materials for further processing	103.1	108.9	104.7	101.2	101.4	110.2	115.3	124.8	116.7	110.5	112.8	*104.1	101.6	101.2	102.2	99.5
Intermediate materials, supplies, and components	112.0	114.5	113.1	113.1	113.1	114.4	116.3	117.9	117.9	116.7	116.4	115.5	114.3	114.0	114.1	114.3
Finished goods #	113.6	119.2	117.7	117.8	118.2	119.3	120.4	122.3	122.9	122.0	122.3	*121.4	120.6	120.9	121.7	121.9
Finished consumer goods	112.1	118.2	116.5	116.6	117.0	118.3	119.8	121.9	122.6	121.4	121.4	*120.3	119.4	119.7	120.6	120.8
Capital equipment	118.8	122.9	122.2	122.5	122.8	123.1	122.9	124.5	124.7	124.9	125.9	*126.1	125.8	125.7	126.2	126.4
By durability of product:																
Durable goods	119.0	121.2	120.9	121.0	121.2	121.6	121.7	122.5	122.3	122.2	122.8	*122.9	122.8	122.7	122.6	122.6
Nondurable goods	107.1	112.2	109.7	109.2	109.3	112.3	115.2	118.8	117.8	115.4	115.6	112.8	111.1	111.0	111.8	111.5
Total manufactures	114.3	118.1	117.1	117.0	117.0	118.3	119.7	121.3	121.4	120.5	120.3	*119.6	118.6	118.6	118.8	118.7
Durable manufactures	118.3	120.7	120.4	120.4	120.7	120.9	121.1	121.9	121.9	121.8	122.4	*122.5	122.5	122.4	122.4	122.5
Nondurable manufactures	110.2	115.2	113.5	113.3	113.2	115.4	117.8	120.1	120.3	118.7	117.7	116.4	114.7	114.7	115.1	114.9
Farm products, processed foods and feeds	115.4	118.6	120.1	119.6	120.0	119.1	117.9	117.9	117.3	116.8	117.0	117.1	118.3	118.2	118.5	117.7
Farm products	110.9	112.2	113.7	113.6	113.8	111.4	109.2	109.5	107.2	108.9	110.9	*106.9	109.6	109.4	110.2	108.9
Foods and feeds, processed	117.8	121.9	123.5	122.8	123.2	123.0	122.4	122.2	121.7	121.7	122.1	122.3	122.8	122.7	122.7	122.1
Industrial commodities	111.6	115.8	113.5	113.2	113.4	115.9	118.4	121.4	120.7	119.0	119.3	117.2	115.6	115.5	116.1	116.0
Chemicals and allied products	123.0	123.6	122.3	122.2	122.4	122.5	124.5	126.5	128.2	127.9	128.3	*128.0	126.0	126.2	125.6	125.0
Fuels and related prod., and power	72.9	82.2	74.1	72.8	72.7	82.4	91.3	101.0	97.4	90.5	90.1	*83.0	78.4	78.1	80.3	80.1
Furniture and household durables	116.9	119.1	119.0	119.2	119.1	119.2	119.3	119.5	119.8	120.0	120.6	*120.9	120.9	121.0	121.1	121.0
Hides, skins, and leather products	136.3	141.7	143.7	143.0	142.8	142.2	141.4	140.9	140.5	140.6	140.2	*140.0	140.6	141.2	140.4	140.1
Lumber and wood products	126.7	129.7	132.0	130.7	131.3	130.2	129.3	127.5	126.9	126.8	127.6	*127.2	127.9	128.8	132.2	136.2
Machinery and equipment	117.4	120.7	120.4	120.5	120.8	120.9	121.2	121.4	121.7	122.0	122.6	*122.9	122.9	123.1	123.1	123.0
Metals and metal products	124.1	123.0	123.1	122.6	122.9	124.2	124.6	124.5	123.3	122.4	122.4	*121.9	121.7	121.3	120.5	119.6
Nonmetallic mineral products	112.6	114.7	114.5	114.6	114.6	114.7	115.0	115.3	115.8	115.8	116.9	*117.2	117.3	117.3	117.3	117.3
Pulp, paper, and allied products	137.8	141.3	141.1	141.0	141.1	141.1	141.3	142.0	142.3	143.6	143.6	*143.8	143.7	143.1	142.9	142.6
Rubber and plastics products	112.6	113.6	113.5	113.2	113.1	113.2	113.4	114.2	115.0	115.4	116.0	116.0	115.9	115.8	115.3	115.1
Textile products and apparel	112.3	114.9	114.8	115.0	115.1	115.1	115.1	115.1	115.3	115.2	115.7	115.8	115.9	116.0	116.0	116.0
Transportation equipment #	117.7	121.5	120.4	121.0	121.2	121.1	121.0	124.0	124.2	124.2</						

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1967-88*

	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
CONSTRUCTION AND REAL ESTATE																
CONSTRUCTION PUT IN PLACE ‡																
<i>(Millions of dollars)</i>																
New construction (unadjusted), total	*443,722	*446,434	*39,103	*40,754	*41,830	*43,218	*40,704	*40,080	*37,061	*32,006	*27,732	*27,105	*29,216	*32,463	34,781	.....
Private, total #	*345,417	*337,777	*29,853	*30,751	*31,466	*31,634	*30,014	*29,428	*27,401	*24,127	*21,108	*20,394	*22,044	*24,117	25,346	.....
Residential	196,551	*182,856	*16,559	*17,305	*17,634	*17,602	*16,383	*15,894	*14,509	*12,034	*10,465	*9,625	*10,991	*12,217	13,636	.....
New housing units	139,202	*127,987	*11,482	*11,818	*12,116	*12,009	*11,329	*10,885	*10,041	*8,300	*7,336	*6,643	*7,527	*8,067	8,925	.....
Nonresidential buildings, except farm and public utilities, total #	*113,988	*117,971	*10,094	*10,314	*10,678	*10,774	*10,448	*10,228	*9,603	*9,080	*7,851	*7,886	*8,119	*8,796	8,455	.....
Industrial	*872	*8,018	*2,074	*2,116	*2,258	*2,015	*2,031	*2,083	*1,930	*1,989	*1,640	*1,693	*1,797	*1,954	1,778	.....
Commercial	*65,496	*62,862	*5,363	*5,444	*5,615	*5,902	*5,672	*5,400	*4,991	*4,633	*3,951	*3,921	*3,994	*4,392	4,286	.....
Public utilities:																
Telecommunications	*9,465	*9,565	*875	*802	*800	*904	*827	*908	*735	*582	*716	*716	*716	786	.....
Public, total #	*98,305	*108,657	*9,250	*10,003	*10,364	*11,583	*10,690	*10,652	*9,659	*7,879	*6,624	*6,711	*7,172	*8,346	9,435	.....
Buildings (excl. military) #	*39,567	*45,825	*3,800	*4,127	*4,100	*4,656	*4,329	*3,973	*3,991	*3,607	*3,353	*3,509	*3,613	*4,063	4,147	.....
Housing and redevelopment	*3,821	*3,733	*276	*324	*312	*307	*307	*370	*385	*345	*276	*282	*287	*283	318	.....
Industrial	*23,848	*1,433	*92	*128	*124	150	178	92	*94	112	*122	114	*121	*141	152	.....
Military facilities	3,520	*2,732	*242	*263	*274	*239	*210	*163	*247	*156	*156	*144	*156	*152	162	.....
Highways and streets	*26,174	*30,593	*2,692	*2,990	*3,065	*3,714	*3,393	*3,715	*2,956	*1,969	*1,159	*1,177	*1,415	*1,913	2,607	.....
<i>(Billions of dollars)</i>																
New construction (seasonally adjusted at annual rates), total			*451.1	*450.4	*453.1	*449.7	*437.2	*434.6	*431.4	*421.3	*406.5	*410.1	*401.9	*406.6	403.1	.....
Private, total #			*344.4	*342.0	*345.2	*336.9	*330.3	*324.1	*317.2	*311.3	*303.9	*300.5	*293.3	*298.4	293.8	.....
Residential			*188.8	*185.2	*183.1	*180.6	*175.4	*172.1	*168.0	*165.0	*161.8	*155.6	*152.4	*151.5	155.0	.....
New housing units			*133.1	*129.7	*127.8	*125.8	*121.6	*119.0	*115.1	*113.0	*107.9	*103.5	*100.8	*100.2	103.7	.....
Nonresidential buildings, except farm and public utilities, total #			*119.1	*120.1	*125.2	*119.1	*117.6	*114.3	*111.4	*109.6	*105.8	*107.0	*103.8	*108.9	100.9	.....
Industrial			*7.9	*7.9	*7.8	*8.3	*8.2	*8.7	*8.4	*22.4	*23.2	*23.9	*24.4	*24.4	21.2	.....
Commercial			*63.2	*63.9	*65.2	*63.8	*62.7	*60.2	*57.8	*56.9	*53.8	*54.0	*51.8	*54.8	51.1	.....
Public utilities:																
Telecommunications			*9.7	*9.5	*9.4	*9.6	*9.9	*10.1	*9.9	*8.8	*8.8	*10.1	9.1	9.7	.....
Public, total #			*106.7	*108.4	*107.9	*108.4	*106.8	*110.5	*114.2	*110.0	*102.6	*109.6	*108.6	*108.2	109.3	.....
Buildings (excl. military) #			*44.8	*46.6	*45.0	*48.5	*47.2	*46.6	*48.6	*46.9	*45.9	*48.2	48.4	*49.7	49.2	.....
Housing and redevelopment			*3.3	*3.9	3.7	*3.7	*3.7	4.4	*4.6	4.1	*3.3	*3.4	*3.4	3.4	3.8	.....
Industrial			*1.1	*1.5	1.5	1.8	2.1	1.1	1.1	1.3	1.5	1.4	1.5	1.7	1.8	.....
Military facilities			*2.9	*3.2	3.3	2.9	2.5	2.0	3.0	1.9	*1.9	*1.7	*1.9	*1.8	1.9	.....
Highways and streets			*29.4	*28.8	*27.9	*30.3	*29.8	*31.6	*34.3	*33.2	*25.6	*30.7	*30.0	*28.6	28.6	.....
CONSTRUCTION CONTRACTS																
<i>(Millions of dollars, unless otherwise indicated)</i>																
Construction contracts (F.W. Dodge Division, McGraw-Hill):																
Valuation, total	261,163	233,042	25,052	*24,674	20,893	21,539	19,248	20,066	17,200	13,405	14,034	13,376	16,276	20,929	20,713	19,552
Index (mo. data seas. adj.), 1982=100	*173	*156	*167	*165	158	151	*147	153	*151	135	134	*138	*138	*148	*139	133
Public ownership	71,305	69,573	7,485	*7,605	6,431	6,875	5,783	8,309	5,000	4,326	5,116	4,925	5,803	6,700	6,665	6,728
Private ownership	189,859	163,471	17,567	*17,069	14,462	14,665	13,485	13,758	12,200	9,079	8,918	8,450	10,473	14,229	14,047	12,824
By type of building:																
Nonresidential	93,058	81,692	8,212	*8,861	7,323	7,174	7,173	7,805	6,100	5,393	5,923	5,091	5,747	7,076	6,778	6,412
Residential	120,436	105,352	11,104	*10,493	9,745	9,941	8,463	8,678	7,008	5,308	5,091	5,185	6,785	8,712	9,190	8,909
Non-building construction	47,670	46,001	5,735	*5,320	3,825	4,424	3,612	3,584	4,091	2,704	3,021	3,100	3,744	5,141	4,745	4,231
New construction planning (Engineering News-Record) §	275,118	213,389	17,134	15,279	15,564	19,935	16,901	16,895	13,169	15,344	14,365	8,136	24,983	17,365	.....	.....
HOUSING STARTS AND PERMITS																
<i>(Thousands)</i>																
New housing units started:																
Unadjusted:																
Total (private and public)	(3)															
Privately owned	1,376.1	1,192.7	121.1	117.8	111.2	102.8	93.1	94.2	81.4	57.4	52.5	59.1	73.8	*99.7	*98.5	104.1
One-family structures	1,003.3	894.8	92.4	88.9	85.5	75.6	71.9	75.6	54.9	43.1	39.2	46.1	61.4	*82.8	*85.0	86.6
Seasonally adjusted at annual rates: ¶																
Total privately owned			1,208	1,187	1,155	1,131	1,106	1,026	1,130	971	847	992	907	*977	*989	1,040
One-family structures			897	890	876	835	858	839	769	751	648	788	742	*801	*836	868
New private housing units authorized by building permits (17,000 permit-issuing places): †																
Monthly data are seas. adj. at annual rates:																
Total	1,338	1,111	1,088	1,123	1,086	1,055	989	925	916	854	802	876	892	913	*966	1,002
One-family structures	932	798	808	801	781	756	730	703	668	645	611	695	689	742	*790	777
Manufacturers' shipments of mobile homes:																
Unadjusted	198.1	188.1	18.1	17.4	15.1	19.5	15.9	18.1	14.2	10.3	11.7	10.9	12.8	15.2	16.6	.....
Seasonally adjusted at annual rates @			191	191	184	195	181	188	181	167	168	157	157	175	174	.....
CONSTRUCTION COST INDEXES																
Bureau of the Census, 1987=100:																
Composite fixed-weighted price index *	*107.4	*110.1	*109.7	*110.1	*110.7	*110.9	*110.8	*110.8	*110.9	*110.8	*110.8	*110.8	*110.8	*111.0	111.2	.....
Implicit price deflator *	*108.3	*110.8	*110.6	*110.9	*111.4	*111.6	*111.2	*111.1	*111.0	*110.7	*110.9	*111.0	*111.0	*111.4	111.6	.....
Boeckh indexes, 1987=100: ††																
Average, 20 cities:																
Apartments, hotels, office buildings											111.5		111.7		111.2	.....
Commercial and factory buildings											112.3		112.7		112.9	.....
Residences											110.7		110.9		112.1	.....
Engineering News-Record, 1967=100:																
Building	390.7	399.9	398.3	401.9	402.0	402.0	404.1	403.8	404.1	402.6	402.7	402.1	402.0	401.0	403.1	*404.6
Construction	428.8	440.5	438.2	440.5	440.7	442.4	444.4	444.2	445.7	444.7	444.8	444.4	444.3	443.7	447.0	*448.6
Federal Highway Adm.—Highway construction, 1987=100:																
Composite (avg. for year or qtr.) ††	107.7	108.5		106.0			109.2			108.5			114.3			.....

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1961-88*

	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
CONSTRUCTION AND REAL ESTATE—Continued																
REAL ESTATE ◊																
<i>[Thousands of units]</i>																
Mortgage applications for new home construction:																
FHA applications	117.3	115.4	12.8	10.4	9.0	10.2	9.3	9.5	8.1	5.8	8.0	6.7	8.2	9.4	10.5	8.8
Seasonally adjusted annual rates			133	119	112	118	129	127	119	85	106	87	86	95	106	105
Requests for VA appraisals	109.6		8.9	9.5	7.7	8.9	8.3	9.2	7.1	3.5	6.1	6.9	6.0	6.4		
Seasonally adjusted annual rates			85	106	91	98	122	128	98	57	82	87	60			
<i>[Millions of dollars]</i>																
Home mortgages insured or guaranteed by:																
Fed. Hous. Adm.: Face amount	45,893.24	51,863.74	4,381.55	4,288.59	4,509.24	4,764.17	4,319.28	4,476.07	4,224.89	3,686.16	4,459.53	3,651.85	3,630.56	3,765.79	3,723.18	4,070.27
Vet. Adm.: Face amount \$	14,041.80	15,787.10	1,236.42	1,308.89	1,253.50	1,572.64	1,180.04	1,612.16	1,206.52	931.01	1,501.67	1,259.86	1,163.14	1,210.77	1,173.79	938.10
Federal Home Loan Banks, outstanding advances to member institutions, end of period	141,794	117,096	130,752	126,296	122,544	121,988	117,887	116,514	116,675	117,096	112,647	111,513	107,004	102,827	98,744	94,740
New mortgage loans of SAIF-insured institutions, estimated total @	2186,567	2152,384	14,624	14,491	12,940	14,217	11,766	12,291	10,224	10,526	8,216	8,113	11,137	13,641	14,253	
By purpose of loan:																
Home construction	224,952	216,202	1,694	1,546	1,385	1,387	1,163	1,189	938	880	675	682	934	1,100	1,280	
Home purchase	2142,432	2127,297	12,142	12,128	11,076	12,049	9,998	10,541	8,758	8,651	7,038	6,984	9,728	12,049	12,470	
All other purposes	219,183	28,789	785	815	495	785	609	558	527	995	480	419	475	487	542	

DOMESTIC TRADE

ADVERTISING																
<i>[Millions of dollars]</i>																
Magazine advertising (Leading National Advertisers):																
Cost, total																
Apparel and accessories																
Automotive, incl. accessories																
Building materials																
Drugs and toiletries																
Foods, soft drinks, confectionery																
Beer, wine, liquors																
Household equipment, supplies, furnishings																
Industrial materials																
Soaps, cleansers, etc.																
Smoking materials																
All other																
Newspaper advertising expenditures (Newspaper Advertising Bureau, Inc.):																
Total	32,388	32,280	8,301			7,923			8,771			6,778				
Classified	11,916	11,506	2,841			2,947			3,226			2,305				
National	3,948	4,122	1,086			959			1,114			966				
Retail	16,504	16,652	4,374			4,017			4,431			3,508				
WHOLESALE TRADE †																
<i>[Millions of dollars]</i>																
Merchant wholesalers sales (unadj.), total	1,728,059	1,790,321	156,128	150,991	144,617	158,740	145,254	162,605	149,343	142,295	140,101	130,923	144,696	147,536	153,180	
Durable goods establishments	842,065	876,182	77,756	76,138	71,438	77,529	71,411	78,872	70,015	67,374	64,989	62,188	70,164	70,939	72,334	
Nondurable goods establishments	885,994	914,139	78,372	74,853	73,179	81,211	73,843	83,733	79,328	74,921	75,112	68,735	74,532	76,597	80,846	
Merchant wholesalers inventories, book value (non-LIFO basis), end of period (unadj.), total	188,586	195,861	191,532	189,884	190,739	188,864	191,489	195,482	196,474	195,861	200,792	200,356	198,017	196,316	193,662	
Durable goods establishments	121,484	126,560	127,551	125,848	127,291	126,723	127,597	127,298	127,118	126,560	130,628	131,344	130,016	129,997	129,071	
Nondurable goods establishments	67,102	69,301	63,981	64,036	63,448	62,141	63,892	68,184	69,356	69,301	70,164	69,012	68,001	66,319	64,591	
RETAIL TRADE ‡																
<i>[Millions of dollars]</i>																
All retail stores:																
Estimated sales (unadj.), total	1,741,748	1,807,219	155,022	154,371	149,719	158,243	146,335	151,469	156,086	179,653	130,903	128,589	149,299	148,510	159,219	152,813
Durable goods stores #	652,184	654,757	59,037	58,482	56,090	57,880	52,561	54,092	52,271	56,505	43,954	45,320	52,909	55,271	58,631	56,202
Building materials, hardware, garden supply, and mobile home dealers	92,700	92,524	9,171	9,052	8,558	8,543	7,707	8,082	7,443	6,558	5,626	5,683	6,876	8,558	9,265	8,672
Automotive dealers	383,596	381,961	35,187	34,931	33,568	34,432	31,005	31,603	28,953	26,507	25,656	27,112	32,191	33,185	34,628	33,416
Furniture, home furnishings, and equipment	91,493	92,983	7,793	7,731	7,494	7,750	7,377	7,710	8,118	9,784	6,705	6,495	7,234	7,150	7,611	7,459
Nondurable goods stores	1,089,564	1,152,462	95,985	95,889	93,629	100,363	93,774	97,377	103,815	123,148	86,949	83,269	96,390	93,239	100,588	96,611
General merch. group stores	204,387	211,933	17,153	16,913	15,466	17,702	15,970	17,027	21,783	32,454	12,335	12,965	16,778	16,370	18,082	17,191
Food stores	345,069	362,410	30,950	31,211	30,855	31,622	30,010	29,970	30,472	32,809	29,451	27,452	31,276	29,552	32,414	31,249
Gasoline service stations	117,791	131,725	10,683	10,896	10,988	12,112	11,781	12,562	12,271	11,709	10,667	9,484	10,241	10,382	11,145	11,067
Apparel and accessory stores	91,426	94,731	7,789	7,675	7,150	8,542	7,599	7,728	8,807	12,696	5,641	5,784	7,890	7,533	8,000	7,552
Eating and drinking places	173,894	182,044	15,736	16,156	16,253	16,654	15,176	15,289	14,722	15,075	13,927	13,809	15,560	15,506	16,564	16,316
Drug and proprietary stores	62,495	68,557	5,653	5,549	5,481	5,770	5,454	5,841	5,943	7,500	5,771	5,686	6,298	6,049	6,336	5,988
Liquor stores	20,033	20,813	1,693	1,778	1,794	1,820	1,666	1,694	1,785	2,501	1,629	1,537	1,716	1,642	1,806	
Estimated sales (seas. adj.), total			148,743	150,281	150,745	151,135	152,512	152,191	152,711	149,750	147,803	151,092	151,467	150,967	152,180	151,918
Durable goods stores #			54,281	54,285	54,754	53,851	54,550	54,420	54,152	52,402	50,897	53,235	53,725	53,490	53,893	53,889
Bldg. materials, hardware, garden supply, and mobile home dealers #			7,630	7,869	7,827	7,763	7,640	7,549	7,633	7,341	7,270	7,645	7,488	7,836	7,851	7,722
Building materials and supply stores			5,524	5,596	5,571	5,554	5,460	5,403	5,448	5,364	5,141	5,419	5,380	5,675	5,701	
Hardware stores			1,104	1,140	1,123	1,098	1,113	1,111	1,103	1,081	1,085	1,133	1,110	1,114	1,129	
Automotive dealers			31,593	31,476	31,980	31,122	31,931	31,858	31,839	30,531	29,186	30,758	31,149	30,849	30,998	31,330
Motor vehicle and miscellaneous auto dealers			29,010	28,870	29,401	28,568	29,410	29,322	29,287	27,981	26,656	28,180	28,590	28,180	28,326	28,687
Auto and home supply stores			2,583	2,606	2,579	2,554	2,521	2,536	2,552	2,550	2,530	2,578	2,559	2,669	2,672	
Furniture, home furnishings, and equipment #			7,900	7,771	7,782	7,650	7,723	7,696	7,537	7,380	7,303	7,487	7,536	7,590	7,697	7,635
Furniture, home furnishings stores			4,344	4,296	4,308	4,244	4,276	4,247	4,173	4,056	4,012	4,105	4,071	4,114	4,177	
Household appliance, radio, and TV stores			2,865	2,793	2,788	2,722	2,762	2,748	2,660	2,609	2,616	2,690	2,740	2,752	2,764	

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1987-88*

	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June

DOMESTIC TRADE—Continued

RETAIL TRADE †—Continued																
<i>(Millions of dollars—Continued)</i>																
All retail stores—Continued																
Estimated sales (seas. adj.)—Continued																
Nondurable goods stores			*94,462	*95,996	95,991	97,284	97,982	97,771	98,559	97,348	96,906	97,857	97,742	*97,477	*98,287	†98,029
General merch. group stores			*17,313	*17,771	17,880	17,932	17,681	17,589	17,687	17,446	17,484	18,109	18,072	*18,093	*18,255	†18,180
Department stores excluding leased departments			*13,909	*14,323	14,339	14,443	14,174	14,160	14,266	14,140	14,255	14,815	14,704	*14,710	*14,837	†14,631
Variety stores			611	*609	615	618	615	606	637	561	582	593	591	*600	609	
Food stores			*29,921	*30,224	30,280	30,316	30,761	30,487	30,701	30,639	30,650	30,483	30,947	*30,660	*30,918	†30,891
Grocery stores			*27,959	*28,253	28,280	28,311	28,757	28,511	28,727	28,670	28,680	28,509	28,977	*28,686	*28,914	†28,896
Gasoline service stations			*10,233	*10,477	10,279	11,309	11,888	12,196	12,547	11,887	11,409	10,926	10,701	*10,497	*10,665	†10,724
Apparel and accessory stores ‡			*7,945	*8,131	8,079	8,088	7,883	7,828	7,799	7,696	7,475	8,002	7,856	*8,103	*8,165	†8,068
Men's and boys' clothing and furnishings stores			*810	*804	797	796	792	781	776	766	749	782	780	*794	795	
Women's clothing, specialty stores, and furreries			*2,810	*2,955	2,859	2,790	2,717	2,697	2,686	2,599	2,470	2,685	2,698	*2,801	*2,851	
Shoe stores			*1,447	*1,491	1,522	1,572	1,494	1,488	1,507	1,499	1,430	1,532	1,466	*1,501	*1,494	
Eating and drinking places			*15,131	*15,256	15,319	15,223	15,252	15,168	15,240	15,166	15,304	15,710	15,513	*15,615	*15,715	†15,584
Drug and proprietary stores			*5,614	*5,691	5,733	5,805	5,855	5,942	5,961	5,869	5,925	6,154	6,254	*6,243	*6,255	†6,251
Liquor stores			*1,690	*1,721	1,732	1,762	1,759	1,765	1,773	1,785	1,828	1,845	1,837	*1,783	1,785	
Estimated inventories, end of period:																
Book value (non-LIFO basis), (unadjusted), total	233,000	237,352	237,126	235,454	235,902	238,174	243,058	256,414	260,078	237,352	236,304	236,816	235,947	*236,440	235,080	
Durable goods stores §	121,245	121,195	120,328	120,150	118,154	117,887	119,194	124,645	126,967	121,195	120,298	119,389	116,856	*116,894	116,881	
Bldg. materials, hardware, garden supply, and mobile home dealers	15,893	15,782	17,619	17,381	16,632	16,416	16,276	15,948	15,836	15,782	15,893	16,241	16,831	*16,639	16,766	
Automotive dealers	66,391	65,292	62,350	62,448	61,064	60,347	60,281	63,662	65,545	65,292	64,692	63,807	60,975	*60,163	59,754	
Furniture, home furnishings, and equipment	17,003	16,843	17,069	16,921	16,827	17,157	17,766	16,649	16,640	16,843	16,597	16,366	16,405	*16,674	16,995	
Nondurable goods stores §	111,755	116,157	116,798	115,304	117,748	120,287	123,864	131,769	133,111	116,157	116,006	117,427	119,091	*119,546	118,199	
General merch. group stores	40,091	40,348	42,086	41,168	42,338	43,547	45,983	50,539	51,004	40,348	40,626	42,030	43,220	*43,580	42,568	
Department stores excluding leased departments	31,248	31,946	33,114	32,307	33,210	33,989	35,724	39,507	40,431	31,946	32,291	33,194	34,370	*34,839	34,038	
Food stores	23,397	25,249	23,833	23,910	23,667	23,500	24,222	25,068	25,559	25,249	25,193	24,577	25,099	*24,980	25,169	
Apparel and accessory stores	17,667	18,021	19,542	19,204	20,387	21,151	21,263	22,364	22,084	18,021	17,645	18,771	19,138	*19,304	18,980	
Book value (non-LIFO basis), (seas. adj.), total	236,159	242,563	*237,875	237,445	239,657	242,893	243,217	244,901	244,550	242,563	244,071	241,179	236,900	*236,696	235,902	
Durable goods stores §	120,663	120,629	*118,678	118,830	120,165	123,271	123,559	124,048	122,947	120,629	121,217	119,239	116,041	*116,087	115,365	
Bldg. materials, hardware, garden supply, and mobile home dealers	16,590	16,440	*16,860	16,809	16,566	16,498	16,574	16,441	16,427	16,440	16,401	16,241	16,199	*16,014	16,029	
Automotive dealers	64,179	63,071	*60,671	60,797	62,459	65,737	65,555	66,102	65,062	63,071	63,580	61,942	59,357	*58,921	58,145	
Furniture, home furn., and equipment	17,140	16,996	*17,382	17,249	17,294	17,330	17,469	17,364	17,291	16,996	17,005	16,893	16,723	*17,166	17,222	
Nondurable goods stores §	117,496	121,934	*119,197	118,615	119,492	119,622	119,658	120,853	121,603	121,934	122,854	121,940	120,859	*120,609	120,537	
General merch. group stores	44,955	44,357	*43,348	43,185	43,338	43,534	43,624	44,032	44,286	44,357	44,824	44,341	43,820	*43,684	43,834	
Department stores excluding leased departments	34,226	34,980	*33,963	33,936	34,237	34,283	34,186	34,595	34,854	34,980	35,553	34,941	34,752	*34,700	34,911	
Food stores	23,198	25,008	*23,935	23,968	24,089	24,287	24,397	24,373	24,604	25,008	25,355	25,178	25,273	*25,246	25,255	
Apparel and accessory stores	19,436	19,847	*19,961	19,983	20,387	20,202	19,891	20,057	19,895	19,847	19,804	19,738	19,569	*19,558	19,387	
Firms with 11 or more stores:																
Estimated sales (unadj.), total	648,387	685,851	56,718	56,440	54,265	58,470	54,606	57,074	63,525	82,401	49,228	47,817	57,230	54,958		
Durable goods stores	77,143	81,101	6,973	6,846	6,683	6,715	6,315	6,562	7,152	10,544	5,285	5,213	6,236	6,618		
Auto and home supply stores	7,940	8,597	789	786	770	789	714	787	727	702	611	582	698	738		
Nondurable goods stores	571,244	604,750	49,745	49,594	47,582	51,755	48,291	50,512	56,373	71,857	43,963	42,604	50,994	48,340		
General merchandise group stores	187,506	194,464	15,977	15,508	14,061	16,171	14,555	15,572	20,087	30,149	11,275	11,903	15,399	14,977		
Food stores	192,960	202,872	17,185	17,250	17,039	17,285	16,608	16,893	17,264	18,732	17,034	15,629	17,846	16,486		
Grocery stores	190,359	199,992	16,960	17,039	16,828	17,064	16,407	16,680	17,028	18,316	16,820	15,398	17,570	16,282		
Apparel and accessory stores	50,066	53,297	4,291	4,335	3,953	4,902	4,288	4,290	5,163	7,570	3,059	3,217	4,616	4,285		
Eating places	44,384	45,964	3,942	3,983	4,071	4,143	3,828	3,901	3,725	3,761	3,515	3,418	3,933	3,815		
Drug stores and proprietary stores	37,321	41,947	3,434	3,366	3,287	3,493	3,293	3,539	3,670	4,993	3,430	3,457	3,864	3,594		
Estimated sales (seas. adj.), total			56,136	57,254	57,357	57,572	57,908	58,046	58,274	57,825	57,630	58,497	58,583	58,174		
Auto and home supply stores			701	724	725	721	711	711	718	721	720	741	718	734		
Department stores excluding leased departments			13,359	13,897	13,925	13,973	13,730	13,715	13,823	13,702	13,872	14,454	14,308	14,315		
Variety stores			474	472	472	471	472	466	472	431	451	465	455	453		
Grocery stores			16,498	16,672	16,761	16,551	17,020	16,934	17,045	16,959	17,093	16,945	17,209	16,922		
Apparel and accessory stores			4,443	4,601	4,526	4,537	4,454	4,411	4,462	4,393	4,361	4,647	4,536	4,631		
Women's clothing, specialty stores, and furreries			1,575	1,683	1,595	1,563	1,576	1,555	1,566	1,546	1,538	1,594	1,603	1,628		
Shoe stores			932	948	959	1,003	953	926	956	905	896	971	920	966		
Drug stores and proprietary stores			3,420	3,470	3,489	3,553	3,595	3,683	3,696	3,615	3,531	3,786	3,849	3,759		

LABOR FORCE, EMPLOYMENT, AND EARNINGS

LABOR FORCE AND POPULATION																
<i>(Thousands, unless otherwise indicated)</i>																
Not seasonally adjusted:																
Noninstitutional population, persons 16 years of age and over	188,061	189,686	189,467	189,607	189,763	189,901	190,002	190,095	190,312	190,483	190,592	190,717	190,703	190,836	190,980	191,173
Labor force @	125,557	126,424	126,279	127,937	128,527	127,652	126,380	126,590	126,436	126,247	125,200	125,672	125,903	126,183	126,315	126,559
Resident Armed Forces	1,688	1,637	1,639	1,630	1,627	1,640	1,601	1,570	1,615	1,617	1,615	1,602	1,460	1,456	1,458	1,505
Civilian noninstitutional population	186,393	188,049	187,828	187,977	188,136	188,261	188,401	188,525	188,697	188,866	188,977	189,115	189,243	189,380	189,522	189,668
Civilian labor force, total	123,869	124,787	124,640	126,307	126,900	126,012	124,779	125,020	124,821	124,630	123,585	124,070	124,443	124,727	124,857	125,054
Employed	117,342	117,914	118,277	119,605	119,954	119,174	117,961	118,299	117,611	117,287	114,990	115,151	115,639	116,678	116,624	116,820
Unemployed	6,528	6,874	6,363	6,702	6,945	6,837	6,818	6,722	7,211	7,343	8,595	8,919	8,804	8,049	8,233	8,774
Seasonally adjusted: †																
Civilian labor force, total			124,939	124,797	124,709	124,705	124,970	124,875	124,723	125,174	124,638	125,076	125,326	125,672	125,232	125,629
Participation rate, percent ‡	66.5	66.4	66.5	66.4	66.3	66.2	66.3	66.2	66.1	66.3	66.0	66.1	66.2	66.4	66.1	66.2
Employed, total			118,277	118,237	117,892	117,690	117,893	117,733	117,396	117,574	116,922	116,918	116,754	117,398	116	

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1961-88*

	Annual		1990									1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	

LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued

LABOR FORCE—Continued																
Seasonally adjusted $\hat{\circ}$ —Continued																
Civilian labor force—Continued																
Unemployed—Continued																
Rates (unemployed in each group as percent of civilian labor force in the group):																
All civilian workers	5.3	5.5	5.3	5.3	5.5	5.6	5.7	5.7	5.9	6.1	6.2	6.5	6.8	6.6	6.9	7.0
Men, 20 years and over	4.5	4.9	4.7	4.7	4.9	5.0	5.1	5.2	5.4	5.6	5.6	6.3	6.5	6.2	6.5	6.6
Women, 20 years and over	4.7	4.8	4.6	4.6	4.7	4.9	4.9	4.9	5.1	5.3	5.3	5.4	5.7	5.5	5.8	5.9
Both sexes, 16-19 years	15.0	15.5	15.4	14.7	15.8	16.6	15.7	16.2	16.4	16.6	18.2	17.1	18.7	18.1	19.1	19.2
White	4.5	4.7	4.6	4.5	4.7	4.8	4.8	4.9	5.0	5.3	5.5	5.9	6.2	5.8	6.1	6.2
Black	11.4	11.3	10.6	10.7	11.4	11.7	11.9	11.7	12.2	12.2	12.1	11.8	12.3	12.6	13.0	13.1
Hispanic origin	8.0	8.0	7.7	7.3	7.9	7.9	8.5	8.2	8.6	9.3	9.3	9.5	10.3	9.0	9.7	9.8
Married men, spouse present	3.0	3.4	3.3	3.2	3.3	3.5	3.5	3.5	3.7	3.8	4.0	4.3	4.5	4.4	4.4	4.7
Married women, spouse present	3.7	3.8	3.6	3.7	3.6	3.9	3.9	3.9	4.1	4.1	4.1	4.4	4.8	4.5	4.6	4.7
Women who maintain families	8.1	8.2	7.5	8.0	8.3	8.4	8.7	8.5	8.7	8.7	9.0	9.1	9.0	9.9	9.1	9.2
Industry of last job:																
Private nonagricultural wage and salary workers	5.3	5.7	5.5	5.4	5.5	5.7	5.8	5.9	6.2	6.3	6.4	6.9	7.2	7.0	7.2	7.4
Construction	10.0	11.1	11.3	9.8	10.5	11.2	12.0	13.0	13.3	14.0	14.5	15.5	14.1	15.0	14.7	15.6
Manufacturing	5.1	5.8	5.5	5.2	5.7	5.8	5.8	5.8	6.5	6.5	6.4	7.4	7.6	7.6	7.4	8.2
Durable goods	4.8	5.8	5.5	5.2	5.7	5.9	6.0	5.9	6.9	6.6	6.8	8.1	8.2	8.3	7.7	8.4
Agricultural wage and salary workers	9.6	9.7	8.1	9.8	10.1	9.5	9.3	8.5	9.8	12.3	11.9	11.5	13.8	9.9	11.2	12.2
Not seasonally adjusted:																
Occupation:																
Managerial and professional specialty	2.0	2.1	1.9	2.2	2.4	2.6	2.5	2.2	2.0	2.1	2.7	2.4	2.5	2.4	2.8	2.9
Technical, sales, and administrative support	3.9	4.2	3.7	4.1	4.2	4.4	4.5	4.3	4.5	4.4	5.0	5.2	5.2	4.9	5.2	5.1
Service occupations	6.5	6.6	6.7	6.2	6.5	6.4	6.9	6.5	7.1	6.6	7.2	7.5	7.9	6.7	7.4	7.5
Precision production, craft, and repair	5.2	5.8	5.1	4.8	4.9	5.3	5.8	5.6	6.5	7.1	9.1	9.6	8.8	8.2	7.6	7.2
Operators, fabricators, and laborers	8.0	8.6	8.0	7.3	7.6	7.4	7.3	8.0	9.2	9.9	12.3	13.0	12.3	11.0	9.8	10.4
Farming, forestry, and fishing	6.4	6.2	4.4	4.7	5.6	5.3	5.4	5.1	7.0	8.2	10.3	10.5	11.2	6.4	5.8	5.8
EMPLOYMENT \S																
[Thousands]																
Employees on nonfarm payrolls by industry:																
Total, not adjusted for seas. variation	108,329	109,971	110,721	111,405	110,045	109,900	110,478	110,721	110,691	110,409	107,979	107,887	108,147	*108,590	*109,271	P109,755
Private sector (excl. government)	90,550	91,649	91,826	92,754	92,559	92,714	92,412	92,128	91,937	91,756	89,646	89,204	89,373	*89,825	*90,458	P91,239
Seasonally adjusted:																
Total employees, nonfarm payrolls	108,329	109,971	110,304	110,435	110,289	110,160	110,113	109,982	109,761	109,621	109,418	109,160	108,902	*108,736	*108,855	P108,805
Private sector (excl. government)	90,550	91,649	91,784	91,858	91,839	91,839	91,785	91,638	91,406	91,268	91,053	90,771	90,495	*90,312	*90,413	P90,374
Nonmanufacturing industries	71,108	72,538	72,539	72,665	72,674	72,726	72,742	72,665	72,599	72,519	72,382	72,239	72,052	*71,916	*71,995	P72,015
Goods-producing	25,322	24,958	25,141	25,093	25,027	24,937	24,842	24,705	24,481	24,375	24,181	24,039	23,877	*23,794	*23,833	P23,762
Mining	693	711	713	718	717	713	711	710	712	715	713	715	714	*710	*705	P702
Construction	5,187	5,136	5,203	5,182	5,145	5,111	5,088	5,022	4,962	4,911	4,797	4,792	4,720	*4,688	*4,710	P4,701
Manufacturing	19,442	19,111	19,225	19,193	19,185	19,113	19,043	18,973	18,807	18,749	18,671	18,532	18,443	*18,396	*18,418	P18,359
Durable goods	11,420	11,115	11,212	11,189	11,160	11,111	11,049	11,000	10,867	10,828	10,770	10,652	10,584	*10,560	*10,568	P10,523
Lumber and wood products	758	741	750	746	744	740	733	730	719	714	706	696	692	*692	*696	P694
Furniture and fixtures	528	510	515	514	511	511	508	505	496	493	490	482	479	*481	*483	P483
Stone, clay, and glass products	570	557	562	560	556	555	552	549	543	539	532	527	520	*521	*519	P520
Primary metal industries	773	756	759	759	762	757	754	753	747	742	740	726	724	*723	*721	P717
Fabricated metal products	1,450	1,423	1,433	1,430	1,430	1,430	1,421	1,415	1,402	1,395	1,389	1,365	1,356	*1,354	*1,351	P1,356
Industrial machinery and equipment	2,130	2,095	2,106	2,102	2,098	2,091	2,079	2,074	2,063	2,054	2,048	2,036	2,024	*2,007	*2,000	P1,989
Electronic and other electrical equipment	1,747	1,673	1,689	1,682	1,675	1,665	1,657	1,647	1,636	1,628	1,621	1,611	1,599	*1,597	*1,599	P1,590
Transportation equipment	2,054	1,980	2,011	2,013	2,002	1,987	1,971	1,957	1,947	1,902	1,888	1,859	1,846	*1,846	*1,860	P1,845
Instruments and related products	1,028	1,004	1,009	1,007	1,004	999	998	995	991	989	985	982	978	*976	*973	P967
Miscellaneous manufacturing	383	377	378	376	378	376	376	375	373	372	371	368	366	*364	*363	P362
Non durable goods	8,022	7,995	8,013	8,004	8,005	8,002	7,994	7,973	7,940	7,921	7,901	7,880	7,859	*7,836	*7,850	P7,836
Food and kindred products	1,651	1,668	1,668	1,662	1,665	1,668	1,670	1,672	1,669	1,672	1,673	1,679	1,679	*1,673	*1,677	P1,676
Tobacco manufactures	50	49	49	49	49	49	49	49	49	49	49	49	49	*49	*49	P49
Textile mill products	721	691	694	693	692	690	685	678	677	671	667	661	660	*660	*664	P664
Apparel and other textile products	1,079	1,043	1,048	1,045	1,041	1,039	1,039	1,032	1,023	1,017	1,012	1,010	1,009	*1,005	*1,013	P1,013
Paper and allied products	697	699	700	700	701	701	700	699	697	695	696	694	693	*691	*690	P687
Printing and publishing	1,562	1,574	1,577	1,577	1,577	1,577	1,575	1,573	1,568	1,565	1,560	1,553	1,548	*1,542	*1,541	P1,529
Chemicals and allied products	1,076	1,093	1,093	1,093	1,095	1,094	1,096	1,095	1,095	1,095	1,094	1,093	1,091	*1,089	*1,086	P1,086
Petroleum and coal products	156	158	157	157	158	158	158	158	158	159	158	158	158	*159	*158	P158
Rubber and misc. plastics products	891	889	892	894	895	894	892	889	877	873	868	861	852	*849	*853	P856
Leather and leather products	138	132	135	134	132	131	130	128	126	125	124	121	121	*120	*119	P119
Service-producing	83,007	85,014	85,163	85,342	85,242	85,223	85,271	85,277	85,280	85,246	85,237	85,121	85,025	*84,942	*85,022	P85,043
Transportation and public utilities	5,444	5,826	5,820	5,831	5,832	5,839	5,854	5,855	5,852	5,867	5,866	5,834	5,824	*5,814	*5,814	P5,814
Wholesale trade	6,221	6,205	6,212	6,220	6,215	6,211	6,204	6,190	6,180	6,166	6,138	6,119	6,105	*6,086	*6,087	P6,070
Retail trade	19,549	19,683	19,701	19,714	19,710	19,714	19,698	19,683	19,628	19,579	19,542	19,464	19,378	*19,324	*19,333	P19,321
Finance, insurance, and real estate	6,695	6,739	6,739	6,746	6,745	6,750	6,746	6,740	6,733	6,736	6,732	6,735	6,735	*6,718	*6,709	P6,701
Services	27,120	28,240	28,151	28,254	28,310	28,388	28,437	28,479	28,525	28,548	28,590	28,593	28,576	*28,576	*28,637	P28,706
Government	17,779	18,322	18,540	18,577	18,430	18,321	18,328	18,344	18,355	18,353	18,365	18,389	18,407	*18,424	*18,442	P18,431
Federal	2,988	3,085	3,347	3,337	3,162	3,038	2,994	2,980	2,964	2,948	2,952	2,951	2,953	*2,953	*2,953	P2,942
State	4,182	4,303	4,287	4,311	4,311	4,318	4,328	4,339	4,345	4,347	4,352	4,354	4,359	*4,352	*4,343	P4,350
Local	10,609	10,934	10,906	10,929	10,957	10,965	11,006	11,025	11,046	11,058	11,061	11,084	11,087	*11,119	*11,148	P11,139
Production of nonsupervisory workers on private nonfarm payrolls, not seas. adjusted	73,400	74,254	74,428	75,254	75,052	75,237	74,944	74,709	74,526	74,340	72,309	7				

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1961-88*

	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued																
EMPLOYMENT §—Continued																
[Thousands]																
Seasonally adjusted—Continued																
Production of nonsupervisory workers—Continued																
Nondurable goods	5,655	5,603	5,619	5,612	5,611	5,606	5,598	5,577	5,543	5,524	5,506	5,488	5,468	5,455	*5,466	P 5,466
Food and kindred products	1,181	1,200	1,199	1,194	1,197	1,201	1,203	1,204	1,202	1,206	1,208	1,213	1,213	*1,207	*1,211	P 1,210
Tobacco manufactures	37	36	36	36	36	37	37	36	36	36	36	36	35	35	35	P 36
Textile mill products	623	593	596	594	593	592	588	580	580	574	571	565	564	565	*569	P 570
Apparel and other textile products	910	874	879	877	873	870	870	864	854	850	844	843	842	*840	*847	P 847
Paper and allied products	522	524	524	525	526	526	525	525	522	521	522	522	521	519	*519	P 517
Printing and publishing	867	873	876	876	877	876	873	871	867	864	860	855	851	*849	*845	P 839
Chemicals and allied products	605	603	604	604	604	601	601	600	598	596	594	592	591	591	*586	P 588
Petroleum and coal products	102	103	103	103	103	103	103	104	104	103	102	102	102	103	*103	P 104
Rubber and misc. plastics products	694	688	691	693	693	693	691	688	677	672	668	660	651	649	*654	P 658
Leather and leather products	115	109	111	110	109	107	107	105	103	102	101	100	98	97	*97	P 97
Service-producing	55,590	56,783	56,736	56,856	56,863	56,954	56,980	56,957	56,936	56,883	56,879	56,720	56,638	*56,506	*56,555	P 56,579
Transportation and public utilities	4,688	4,835	4,832	4,843	4,840	4,832	4,850	4,852	4,854	4,868	4,869	4,840	4,834	*4,825	*4,830	P 4,836
Wholesale trade	5,009	4,985	4,989	5,003	4,994	4,990	4,983	4,988	4,984	4,959	4,946	4,924	4,904	*4,879	*4,876	P 4,886
Retail trade	17,327	17,434	17,450	17,465	17,458	17,463	17,445	17,409	17,370	17,321	17,277	17,202	17,132	*17,072	*17,074	P 17,054
Finance, insurance, and real estate	4,849	4,884	4,896	4,879	4,868	4,889	4,891	4,886	4,876	4,863	4,869	4,863	4,851	*4,851	*4,851	P 4,850
Services	23,718	24,646	24,589	24,666	24,703	24,770	24,811	24,842	24,877	24,885	24,940	24,911	24,916	*24,879	*24,924	P 24,973
AVERAGE HOURS PER WEEK §																
[Hours]																
Seasonally adjusted:																
Average weekly hours per worker on private nonfarm payrolls: ◊																
Not seasonally adjusted	34.6	34.5	34.4	34.8	34.9	34.8	34.8	34.3	34.3	34.7	33.7	33.9	34.0	*34.0	34.2	P 34.7
Seasonally adjusted	34.6	34.5	34.4	34.8	34.9	34.8	34.8	34.3	34.3	34.7	33.7	33.9	34.0	*34.0	34.2	P 34.5
Mining	43.0	44.1	43.5	44.4	43.7	43.9	44.7	44.0	44.9	44.8	44.4	44.9	44.6	*44.3	*44.9	P 44.8
Construction ‡	37.9	38.2	38.3	39.1	38.4	39.0	39.1	38.0	38.2	38.3	36.2	37.0	37.2	*37.8	*38.2	P 38.8
Manufacturing:																
Not seasonally adjusted	41.0	40.8	40.9	41.1	40.5	40.8	41.3	40.9	40.8	41.3	40.2	39.9	40.1	40.1	40.3	P 40.9
Seasonally adjusted	41.0	40.8	40.9	41.1	40.5	40.8	41.3	40.9	40.8	41.3	40.2	39.9	40.1	40.1	40.3	P 40.8
Overtime hours	3.8	3.6	3.8	3.8	3.7	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.3	3.3	3.4	P 3.7
Durable goods	41.6	41.3	41.6	41.5	41.5	41.5	41.5	41.3	41.1	41.2	40.8	40.7	40.6	40.7	40.7	P 41.3
Overtime hours	3.9	3.7	3.9	3.9	3.8	3.9	3.8	3.6	3.5	3.6	3.3	3.2	3.2	3.3	3.3	P 3.7
Furniture and fixtures	40.1	40.2	40.4	40.3	40.2	40.5	40.7	39.8	39.5	40.0	39.4	39.3	39.2	*39.2	*39.7	P 40.5
Stone, clay, and glass products	39.5	39.1	39.2	39.3	39.7	39.4	39.2	39.6	39.5	39.8	39.5	37.5	39.2	39.9	*39.9	P 39.2
Primary metal industries	42.3	42.0	42.1	42.3	41.7	42.3	42.2	41.2	41.8	42.0	41.0	41.7	41.3	*41.3	*41.5	P 42.0
Fabricated metal products	43.0	42.7	43.0	43.0	43.2	42.9	43.0	42.9	42.7	42.3	42.0	41.5	41.4	*41.4	*41.6	P 42.4
Industrial machinery and equipment	41.6	41.3	41.7	41.6	41.7	41.6	41.6	41.2	40.8	41.1	40.6	40.7	40.6	40.7	*40.8	P 41.3
Electronic and other electrical equipment	42.4	41.9	42.1	42.0	42.0	42.1	42.1	42.1	41.8	42.1	41.6	41.5	41.5	41.3	*41.2	P 41.5
Transportation equipment	40.8	40.8	40.9	41.0	40.7	40.6	41.1	40.7	40.7	40.3	40.5	40.2	40.6	40.5	*40.9	P 40.9
Instruments and related products	42.4	42.0	42.5	42.6	42.8	42.6	42.8	42.5	41.1	41.5	41.0	40.8	41.0	41.2	*41.2	P 42.2
Miscellaneous manufacturing	41.1	41.1	41.1	41.2	41.2	41.3	41.3	41.0	41.0	41.2	40.8	41.0	40.9	40.8	40.8	P 40.9
Nondurable goods	39.4	39.5	39.4	39.3	39.5	39.9	39.9	39.8	39.6	39.3	39.0	39.3	39.3	*39.2	*39.3	P 39.7
Overtime hours	40.2	40.0	40.1	40.2	40.1	40.1	40.2	40.0	39.9	40.0	39.9	39.8	39.9	*39.7	39.9	P 40.1
Food and kindred products	3.6	3.6	3.6	3.6	3.6	3.7	3.6	3.6	3.6	3.6	3.4	3.4	3.4	3.4	3.4	P 3.7
Tobacco manufactures ‡	40.7	40.8	40.8	40.9	40.5	41.0	41.2	40.6	40.7	40.9	40.7	40.6	40.6	40.3	*40.3	P 40.4
Textile mill products	38.6	39.2	39.1	39.4	38.6	39.3	40.9	40.8	40.3	39.9	39.5	39.4	39.2	37.7	*39.6	P 39.8
Apparel and other textile products	40.9	39.9	40.2	40.4	40.2	40.0	39.9	39.8	39.3	39.4	39.4	39.2	39.4	39.6	40.2	P 40.7
Paper and allied products	36.9	36.4	36.5	36.7	36.6	36.6	36.4	36.3	36.6	36.3	36.6	36.5	36.6	36.4	36.7	P 36.9
Printing and publishing	43.3	43.3	43.3	43.5	43.5	43.5	43.2	43.5	43.5	43.5	43.0	43.0	43.2	*42.9	*43.0	P 43.0
Chemicals and allied products	37.9	37.9	37.9	38.0	38.0	38.2	38.0	37.9	37.8	37.8	37.7	37.6	37.6	37.5	*37.6	P 37.8
Petroleum and coal products ‡	42.4	42.6	42.6	42.6	42.4	42.3	42.7	42.6	42.6	42.9	42.6	42.4	42.7	42.4	*42.4	P 43.1
Rubber and misc. plastics products	44.3	44.6	44.1	46.7	44.7	43.8	45.3	43.8	43.8	43.9	42.9	43.8	43.9	*44.5	*45.6	P 45.8
Leather and leather products	41.4	41.1	41.4	41.6	41.4	41.3	41.4	41.1	40.8	41.0	40.8	40.6	40.6	40.7	40.8	P 41.0
Transportation and public utilities	37.9	37.4	37.4	37.4	37.4	37.6	37.5	37.1	36.8	37.3	36.9	37.2	37.1	37.1	*37.1	P 37.5
Wholesale trade	38.9	38.9	39.2	39.2	39.1	39.0	39.1	38.5	38.7	39.0	38.7	38.6	38.6	*38.4	*38.6	P 38.8
Retail trade	38.0	38.1	38.0	38.1	38.1	38.1	38.2	37.9	38.0	38.3	37.9	37.9	38.1	37.9	*38.2	P 38.4
Finance, insurance, and real estate ‡	28.9	28.8	28.8	28.9	28.9	28.7	28.9	28.4	28.7	28.7	28.6	28.6	28.4	28.6	*28.6	P 28.8
Services	35.8	35.8	35.8	35.8	35.8	35.7	36.1	35.5	35.6	36.2	35.7	35.8	35.6	35.6	*35.6	P 36.1
Services	32.6	32.6	32.5	32.5	32.5	32.5	32.6	32.3	32.5	32.6	32.2	32.5	32.4	32.2	32.5	P 32.6
AGGREGATE EMPLOYEE-HOURS §																
[Billions of hours]																
Seasonally adjusted:																
Employee-hours, wage and salary workers in nonagric. establishments, for 1 week in the month, seas adj. at annual rate																
Total private sector	201.02	203.47	203.92	204.94	204.51	203.86	204.76	202.06	202.62	203.34	200.83	201.16	200.40	*199.43	*200.42	P 201.20
Mining	165.15	166.79	166.98	167.48	167.27	166.95	167.82	165.23	165.77	166.53	163.84	164.21	163.37	*162.43	*163.55	P 164.39
Construction	1.55	1.63	1.61	1.66	1.63	1.63	1.65	1.62	1.66	1.67	1.65	1.67	1.66	*1.64	*1.65	P 1.64
Manufacturing	10.22	10.20	10.30	10.38	10.10	10.15	10.19	9.67	9.92	9.93	9.34	9.53	9.23	*9.23	9.31	P 9.34
Transportation and public utilities	41.39	40.50	40.89	40.81	40.72	40.61	40.49	40.21	39.75	39.69	39.35	38.99	38.80	*38.68	*38.78	P 38.93
Wholesale trade	11.42	11.79	11.86	11.89	11.86	11.84	11.90	11.72	11.76	11.90	11.81	11.71	11.69	*11.61	*11.73	P 11.73
Retail trade	12.29	12.29	12.28	12.32	12.31	12.32	12.20	12.21	12.28	12.10	12.06	12.10	11.99	*11.99	*12.09	P 12.12
Finance, insurance, and real estate	29.38	29.48	29.50	29.63	29.62	29.42	29.60	29.04	29.29	29.22	28.76	28.95	28.92	*28.75	*28.75	P 28.94
Services	12.46	12.55	12.48	12.56	12.70	12.53	12.45	12.45	12.48	12.67	12.51	12.53	12.47	*12.44	*12.39	P 12.58
Government	46.44	48.36	48.06	48.24	48.33	48.46	48.99	48.31	48.69	48.17	48.34	48.78	48.62	*48.31	*48.86	P 48.13
Government	35.87	36.68	36.93	37.47	37.25	36.91	36.93	3								

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1961-88*

	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June

LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued

HOURLY AND WEEKLY EARNINGS \$																
[Dollars]																
Average hourly earnings per worker, not seasonally adjusted: 0																
Private nonfarm payrolls	9.66	10.02	9.96	9.97	9.99	9.98	10.15	10.14	10.16	10.19	10.22	10.23	10.24	*10.30	*10.31	*10.33
Mining	13.26	13.69	13.60	13.70	13.74	13.66	13.86	13.73	13.82	13.88	14.20	14.10	14.09	*14.12	*14.09	*14.31
Construction	13.54	13.78	13.73	13.68	13.76	13.79	13.97	13.97	13.87	13.92	14.02	13.93	13.93	*13.99	*13.96	*13.89
Manufacturing	10.48	10.83	10.80	10.84	10.87	10.81	10.93	10.94	10.96	11.05	11.05	11.02	11.06	*11.11	*11.15	*11.21
Excluding overtime	10.02	10.37	10.35	10.36	10.40	10.33	10.41	10.46	10.48	10.57	10.62	10.61	10.64	*10.69	*10.72	*10.73
Durable goods	11.01	11.35	11.33	11.37	11.38	11.35	11.49	11.50	11.47	11.59	11.58	11.55	11.60	*11.65	*11.70	*11.79
Excluding overtime	10.52	10.86	10.84	10.86	10.89	10.84	10.94	10.99	10.98	11.08	11.15	11.14	11.17	*11.22	*11.27	*11.28
Lumber and wood products	8.84	9.09	9.10	9.07	9.15	9.13	9.21	9.14	9.11	9.11	9.11	9.10	9.10	9.18	*9.23	*9.34
Furniture and fixtures	8.25	8.52	8.46	8.51	8.49	8.55	8.63	8.61	8.63	8.69	8.61	8.65	8.67	8.70	*8.67	*8.77
Stone, clay, and glass products	10.82	11.11	11.11	11.13	11.16	11.13	11.23	11.18	11.22	11.24	11.23	11.19	11.20	*11.33	*11.35	*11.37
Primary metal industries	12.43	12.92	12.84	12.92	13.05	12.96	13.06	13.08	13.13	13.13	13.17	13.02	13.17	*13.21	*13.23	*13.42
Fabricated metal products	10.57	10.83	10.80	10.86	10.86	10.85	10.95	10.95	10.95	11.05	11.02	11.02	11.08	*11.11	*11.15	*11.21
Industrial machinery and equipment **	11.40	11.78	11.70	11.75	11.78	11.80	11.94	11.90	11.97	12.12	12.06	12.06	12.13	*12.10	*12.09	*12.22
Electronic and other electrical equipment **	10.05	10.30	10.21	10.26	10.33	10.32	10.41	10.45	10.52	10.55	10.59	10.58	10.55	*10.63	*10.65	*10.73
Transportation equipment **	13.67	14.10	14.13	14.19	14.08	14.07	14.30	14.41	14.20	14.42	14.41	14.34	14.43	*14.55	*14.75	*14.88
Instruments and related products	10.83	11.31	11.21	11.26	11.36	11.34	11.45	11.46	11.48	11.61	11.64	11.65	11.69	*11.67	*11.64	*11.64
Miscellaneous manufacturing	8.29	8.61	8.59	8.61	8.60	8.59	8.62	8.62	8.68	8.80	8.78	8.70	8.76	*8.78	*8.84	*8.91
Nondurable goods	9.75	10.12	10.08	10.11	10.18	10.11	10.19	10.20	10.29	10.33	10.33	10.31	10.35	*10.40	*10.42	*10.45
Excluding overtime	9.33	9.69	9.67	9.68	9.74	9.65	9.69	9.74	9.83	9.88	9.92	9.92	9.95	*9.99	*10.01	*9.99
Food and kindred products	9.38	9.61	9.61	9.65	9.66	9.53	9.54	9.54	9.74	9.80	9.78	9.74	9.80	*9.84	*9.93	*9.91
Tobacco manufactures	15.31	16.29	17.03	17.12	17.28	16.16	15.92	15.81	16.51	15.95	16.16	16.12	17.35	*17.56	*17.84	*18.11
Textile mill products	7.67	8.02	7.98	8.02	8.01	8.05	8.09	8.12	8.13	8.16	8.17	8.13	8.16	8.20	8.21	*8.25
Apparel and other textile products	6.35	6.57	6.58	6.60	6.57	6.61	6.68	6.65	6.63	6.65	6.64	6.61	6.63	6.72	*6.73	*6.77
Paper and allied products	11.96	12.30	12.25	12.23	12.36	12.29	12.43	12.43	12.53	12.54	12.51	12.51	12.56	*12.63	*12.66	*12.66
Printing and publishing	10.88	11.25	11.17	11.16	11.25	11.30	11.40	11.36	11.38	11.44	11.37	11.37	11.36	*11.43	*11.47	*11.53
Chemicals and allied products	13.09	13.55	13.47	13.53	13.59	13.58	13.64	13.74	13.75	13.77	13.87	13.83	13.85	*13.96	*14.02	*14.10
Petroleum and coal products	15.41	16.23	16.13	16.23	16.23	16.06	16.40	16.40	16.59	16.51	16.63	17.01	17.06	*17.01	*16.81	*16.85
Rubber and misc. plastics products	9.46	9.77	9.72	9.75	9.83	9.78	9.87	9.87	9.92	9.96	10.02	9.99	10.01	*10.02	*10.07	*10.09
Leather and leather products	6.59	6.90	6.91	6.89	6.78	6.83	6.95	6.96	6.99	7.07	7.09	7.09	7.11	*7.18	*7.16	*7.16
Transportation and public utilities	12.60	12.96	12.83	12.87	13.00	12.97	13.08	13.08	13.09	13.14	13.18	13.17	13.15	*13.19	*13.18	*13.23
Wholesale trade	10.39	10.79	10.72	10.75	10.81	10.76	10.93	10.86	10.93	11.04	11.04	11.08	11.06	*11.12	*11.11	*11.19
Retail trade	6.53	6.76	6.73	6.74	6.73	6.73	6.83	6.83	6.86	6.84	6.90	6.89	6.91	6.98	*6.98	*6.98
Finance, insurance, and real estate	9.53	9.97	9.89	9.89	9.99	9.94	10.10	10.08	10.12	10.24	10.24	10.30	10.33	*10.36	*10.37	*10.43
Services	9.38	9.83	9.75	9.73	9.76	9.75	9.95	9.96	10.02	10.11	10.12	10.14	10.16	10.19	*10.20	*10.19
Average hourly earnings per worker, seasonally adjusted: 0																
Private nonfarm payrolls	9.66	10.02	9.98	10.02	10.05	10.07	10.10	10.10	10.13	10.17	10.18	10.20	10.24	10.28	10.32	*10.38
Mining	13.26	13.69	13.63	13.75	13.78	13.76	13.85	13.83	13.88	13.89	14.04	13.99	14.03	*14.05	*14.12	*14.37
Construction	13.54	13.78	13.77	13.78	13.81	13.83	13.86	13.86	13.87	13.95	13.97	13.97	14.05	*14.00	*13.99	*13.99
Manufacturing	10.48	10.83	10.80	10.84	10.87	10.89	10.91	10.96	10.96	10.99	11.02	11.03	11.05	*11.12	*11.15	*11.21
Transportation and public utilities	12.60	12.96	12.90	12.94	13.01	13.00	13.03	13.05	13.07	13.11	13.15	13.13	13.16	*13.19	*13.25	*13.30
Wholesale trade	10.39	10.79	10.73	10.79	10.82	10.83	10.92	10.88	10.93	11.00	11.00	11.05	11.07	*11.08	*11.12	*11.23
Retail trade	6.53	6.76	6.74	6.77	6.78	6.80	6.81	6.82	6.83	6.84	6.86	6.87	6.90	6.97	*6.99	*7.01
Finance, insurance, and real estate	9.53	9.97	9.88	9.97	10.03	10.04	10.12	10.09	10.12	10.22	10.17	10.22	10.32	*10.28	*10.36	*10.51
Services	9.38	9.83	9.78	9.83	9.88	9.90	9.94	9.92	9.98	10.03	10.03	10.07	10.13	10.16	*10.23	*10.29
[Dollars per hour]																
Hourly wages, not seasonally adjusted:																
Construction wages, 20 cities (ENR): \$\$																
Common labor	17.82	18.33	18.18	18.26	18.27	18.40	18.51	18.51	18.61	18.61	18.61	18.61	18.61	18.61	18.78	18.85
Skilled labor	23.17	23.92	23.68	23.91	23.92	24.04	24.26	24.28	24.35	24.36	24.61	24.35	24.35	24.37	24.54	24.64
Railroad wages (average, class I)	15.68	16.08	16.06	15.93	16.08	15.98	16.08	15.77	15.97	15.99	15.65	15.85	15.48	15.60	15.52	
[Dollars]																
Avg. weekly earnings per worker, private nonfarm: 0																
Current dollars, seasonally adjusted	334.24	345.69	344.31	346.69	346.73	347.42	349.46	345.42	348.47	351.88	347.14	349.86	350.21	349.52	353.98	*358.11
1982 dollars, seasonally adjusted ‡	264.22	259.72	261.44	261.85	261.09	259.27	258.67	254.17	255.66	257.41	253.02	254.81	255.07	253.83	256.32	*258.76
Current dollars, not seasonally adjusted:																
Private nonfarm, total	334.24	345.69	342.62	346.96	348.65	347.30	353.22	347.80	348.49	353.59	344.41	346.80	348.16	*350.20	*352.60	*358.45
Mining	570.18	603.73	587.52	608.28	599.06	601.04	625.09	612.36	621.90	631.54	630.48	626.04	619.96	*619.87	*624.19	*641.09
Construction	513.17	526.40	525.86	534.89	528.38	537.81	546.23	530.86	529.83	533.14	507.52	515.41	518.20	*528.82	*533.27	*538.93
Manufacturing	429.88	441.86	441.72	445.52	440.24	441.05	451.41	447.45	447.17	456.37	444.21	439.70	443.51	*445.51	*449.35	*458.49
Durable goods	458.02	468.76	470.20	474.13	468.58	468.76	480.28	476.10	473.71	485.62	471.31	466.62	469.80	*472.99	*476.19	*489.29
Nondurable goods	391.95	404.80	403.20	407.43	405.16	407.43	413.71	410.04	413.66	418.37	409.07	406.21	409.86	*410.80	*414.72	*420.09
Transportation and public utilities	490.14	504.14	500.37	507.08	513.50	509.72	512.74	506.20	507.89	513.77	503.48	504.41	503.65	*506.50	*508.75	*515.97
Wholesale trade	394.82	411.10	407.36	410.65	414.02	409.96	418.62	413.77	415.34	423.94	416.21	417.72	419.17	421.45	*423.29	*430.82
Retail trade	188.72	194.69	193.15	196.81	199.88	197.86	197.39	193.97	194.82	198.73	190.44	192.92	194.17	197.53	*198.93	*203.12
Finance, insurance, and real estate	341.17	356.93	352.08	354.08	361.64	354.86	364.61	357.84	360.27	370.69	365.57	368.74	367.75	*368.82	*368.14	*376.52
Services	305.79	320.46	314.93	317.20	321.10	319.80	325.37	322.70	324.65	330.60	324.65	327.52	328.17	*329.14	*329.46	*333.21
EMPLOYMENT COST INDEX @																
[June 1989=100]																
Total compensation:																
Civilian workers †																
Workers, by occupational group:				105.4			106.9			107.6			109.1			
White-collar workers																

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1991-88*

	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued																
WORK STOPPAGES																
Work stoppages involving 1,000 or more workers:																
Number of stoppages:																
Beginning in month or year, number	51	44	5	6	1	5	3	2	3	2	0	2	1	7	7	5
Workers involved in stoppages:																
Beginning in month or year, thousands	452	185	7	15	6	31	10	3	11	4	0	3	2	298	17	37
Days idle during month or year, thousands	16,996	5,926	514	528	486	684	429	451	484	436	354	240	257	916	537	462
UNEMPLOYMENT INSURANCE ‡																
State programs:																
Initial claims, thousands	17,126	20,184	1,320	1,333	1,763	1,451	1,221	1,755	2,039	2,483	*3,065	*2,065	*1,952	1,867	1,641	1,545
Average weekly insured unemployment, thousands	2,154	2,514	2,273	2,165	2,390	2,241	2,140	2,230	2,452	2,976	*3,940	*4,020	*3,996	3,805	3,212	3,088
Rate of insured unemployment, percent @	2.2	2.4	2.1	2.1	2.3	2.1	1.9	2.1	2.3	2.7	4.1	3.5	3.7	3.6	3.0	2.9
Total benefits paid, mil. \$	14,260	*18,058	1,467	1,265	1,937	1,430	1,178	1,402	*1,482	*1,737	*2,529	*2,382	*2,525	2,486	2,242	1,845
Weeks of unemployment compensated, thousands	97,937	*115,957	9,407	8,125	9,023	9,189	7,527	*8,859	*9,416	10,903	*15,818	*14,514	*15,321	15,142	13,628	11,183
Average weekly benefit, dollars	151.68	*161.64	162.02	161.91	159.91	160.46	162.11	*163.89	*163.56	*165.25	*166.83	*169.51	*170.45	164.40	170.47	170.78
Federal civilian employees unemployment insurance (UCFE):																
Initial claims, thousands	114.4	131.7	8.1	9.8	13.7	10.8	10.2	19.6	13.8	11.5	15.3	*9.0	*7.6	9.7	9.1	11.2
Average weekly insured unemployment, thousands	22.1	24.1	17.7	18.9	21.5	23.2	23.3	28.4	32.0	34.7	38.9	*36.1	*32.1	28.5	24.0	25.2
Total benefits paid, mil. \$	143.5	159.0	10.4	9.8	11.4	13.3	11.5	15.7	17.8	18.9	23.2	*19.8	*18.3	16.9	14.7	13.3
Weeks of unemployment compensated, thousands	1,085.6	1,077.5	69.2	64.8	75.3	90.9	79.2	107.8	121.7	129.4	*155.9	*130.6	*121.5	110.2	97.1	86.8
Average weekly benefit, dollars	132.21	148.04	150.65	150.77	151.20	146.32	145.03	145.79	*146.23	146.35	*149.14	*151.87	*150.58	153.42	151.71	153.75
Veterans unemployment insurance (UCV):																
Initial claims, thousands	116.9	132.9	10.1	9.5	11.1	12.4	10.3	12.0	10.4	9.4	*11.2	*8.0	*8.3	8.9	10.5	10.6
Average weekly insured unemployment, thousands	15.1	18.4	19.2	17.5	17.3	16.7	17.3	18.5	18.4	16.8	20.5	18.3	*16.7	16.1	14.7	17.0
Total benefits paid, mil. \$	104.7	131.7	12.3	10.6	10.4	10.4	9.5	11.6	11.5	11.3	13.2	*10.4	*9.9	9.7	8.9	9.2
Weeks of unemployment compensated, thousands	644.0	773.3	72.0	62.2	60.3	60.1	54.4	66.6	65.3	64.1	74.9	59.5	*56.8	55.7	51.1	51.2
Average weekly benefit, dollars	162.57	170.58	170.51	171.11	173.36	173.20	175.19	*174.00	*175.45	*175.57	*176.03	*175.60	*174.51	174.41	174.35	179.40

FINANCE

BANKING																
<i>(Millions of dollars)</i>																
Open market paper outstanding, end of period:																
Bankers' acceptances	62,972	54,771	54,766	53,750	52,006	52,324	50,469	52,093	53,968	54,771	56,498	52,831	48,795	53,204	54,279	55,575
Commercial and financial company paper, total	521,859	557,811	547,170	542,543	543,609	547,364	561,773	558,375	555,994	557,811	*568,723	*565,941	*561,823	553,204	541,279	549,525
Financial companies	398,456	420,398	401,405	397,649	399,480	402,570	410,134	404,718	408,578	420,398	*419,541	*421,749	*415,705	401,510	393,925	393,925
Dealer placed	188,580	221,362	188,017	194,335	198,070	198,900	206,734	199,092	205,203	221,362	216,148	222,169	225,990	214,036	206,507	206,507
Directly placed	209,876	119,036	213,388	203,314	201,410	203,670	203,400	205,626	203,375	199,036	*203,393	*199,580	*189,715	187,474	187,418	187,418
Nonfinancial companies	123,403	137,413	145,765	144,894	144,129	144,794	151,639	153,657	147,416	137,413	149,182	144,192	146,218	151,694	147,354	147,354
Loans of the Farm Credit System: †																
Total, end of period	50,707	51,172	51,208	51,208	51,110	51,110	51,110	51,110	51,110	51,172	51,172	51,172	50,849	50,849	50,849	50,849
Long-term real estate loans	30,245	29,416	29,595	29,595	29,440	29,440	29,440	29,440	29,440	29,416	29,416	29,416	29,072	29,072	29,072	29,072
Short-term and intermediate-term loans	10,020	10,673	10,542	10,542	10,977	10,977	10,977	10,977	10,977	10,673	10,673	10,673	10,474	10,474	10,474	10,474
Loans to cooperatives	10,442	11,083	11,071	11,071	10,693	10,693	10,693	10,693	10,693	11,083	11,083	11,083	11,304	11,304	11,304	11,304
Federal Reserve banks, condition, end of period:																
Assets, total #	304,465	327,573	301,646	306,354	308,798	310,386	311,031	315,881	318,871	327,573	326,206	325,016	315,305	318,978	317,879	320,374
Reserve bank credit outstanding, total #	236,991	262,002	235,475	239,064	240,561	244,540	243,082	245,851	252,279	262,002	258,471	260,090	250,069	251,848	254,985	255,575
Loans	481	190	1,100	586	942	465	505	591	131	190	180	506	244	291	206	1,479
U.S. Government securities	228,367	252,103	227,455	231,383	232,313	236,434	234,373	237,763	244,985	252,103	249,194	251,404	240,965	244,493	248,111	250,817
Gold certificate account	11,059	11,058	11,065	11,065	11,064	11,065	11,063	11,060	11,059	11,058	11,058	11,058	11,058	11,058	11,057	11,062
Liabilities, total #	304,465	327,573	301,646	306,354	308,798	310,386	311,031	315,881	318,871	327,573	326,206	325,016	315,305	318,978	317,879	320,374
Deposits, total	46,430	48,228	39,132	42,429	41,546	40,600	42,206	44,226	43,331	48,228	48,165	46,505	35,405	36,330	33,263	35,755
Member-bank reserve balances	38,327	38,658	34,094	36,336	34,651	35,592	33,834	34,546	37,359	38,658	19,902	22,109	24,067	22,061	26,223	25,576
Federal Reserve notes in circulation	241,739	267,657	246,398	247,983	249,319	253,544	252,738	255,860	260,243	267,657	263,751	265,915	267,391	267,445	271,019	271,967
All member banks of Federal Reserve System, averages of daily figures: †																
Reserves held, total	2,62,810	59,150	60,232	61,197	60,943	60,728	61,452	61,052	62,045	59,150	50,992	48,551	48,586	50,301	49,063	50,410
Required	2,61,888	57,456	59,269	60,422	60,081	59,860	60,544	60,206	61,099	57,456	48,824	46,743	47,408	49,271	48,033	49,398
Excess	922	1,665	962	774	862	868	909	847	947	1,665	2,168	1,809	1,179	1,030	1,029	1,012
Borrowings from Federal Reserve banks	265	326	1,335	881	757	927	624	410	230	326	534	252	241	231	303	340
Free reserves	2,677	1,362	502	239	385	68	291	455	741	1,362	1,661	2,971	991	885	814	680
Large commercial banks reporting to Federal Reserve System, last Wed. of mo.:																
Deposits:																
Demand, total #	248,307	278,721	234,527	221,364	215,000	213,251	225,626	224,787	217,211	278,721	214,004	216,608	218,174	214,429	225,187	219,504
Individuals, partnerships, and corporations	197,212	218,263	183,275	174,225	171,254	171,072	180,117	179,672	173,925	218,263	172,260	173,674	173,616	170,191	178,770	175,648
States and political subdivisions	7,248	9,315	6,086	6,280	6,268	5,405	6,067	6,844	6,427	9,315	6,755	6,787	6,942	7,119	6,411	7,132
U.S. Government	1,865	4,831	1,472	3,562	2,655	1,440	1,902	2,249	1,038	4,831	1,491	1,627	1,662	3,362	1,401	1,602
Depository institutions in U.S.	24,251	28,334	23,840	19,720	20,011	18,840	21,654	20,545	19,915	28,334	18,915	17,995	18,984	18,319	22,864	19,573
Transaction balances other than demand deposits	79,238	91,138	80,099	79,050	77,495	77,478	81,627	79,367	78,354	91,138	82,988	84,413	86,607	88,311	86,718	87,272
Nontransaction balances, total	704,060	797,701	741,164	741,932	751,981	752,705	755,176	755,210	753,989	797,701	793,096	798,314	797,660	791,541	792,717	788,263
Individuals, partnerships, and corporations	666,397	762,580	702,169	703,325	715,080	715,253	719,144	718,955	717,988	762,580	757,267	760,759	760,265	754,812	754,706	751,858
Loans and leases (adjusted), total \$	994,060	1,072,019	1,010,010	1,011,832	1,012,981	1,017,024	1,019,094	1,020,546	1,017,693	1,072,019	1,052,816	1,048,748	1,048,489	1,047,474	1,041,535	1,039,347
Commercial and industrial	318,691	321,314	322,754	321,906	319,630	317,459	318,909	319,458	317,473	321,314	316,930	320,763	319,601	316,851	312,354	308,751
For purchasing and carrying securities	16,251	13,129	13,526	15,755	14,676	14,262	14,540	14,407	14,020	13,129	13,469	15,143	12,982	12,979	13,767	13,917
To nonbank depository and other financial	22,334	24,462	22,633	23,697	22,951	23,359	23,975	24,090	23,308	24,462	22,647	22,519	22,632	21,928	22,205	22,655
Real estate loans	352,500	398,753	371,681	373,682	377,184	379,229	381,394	382,568	383,842	398,753	400,607	400,812	401,912	403,664	404,774	404,012
To States and political subdivisions	24,940	21,054	23,716	23,233	22,774	22,454	21,978	21,977	21,415	21,054	21,093	20,802	20,534	20,402	19,910	19,199
Other loans	259,334	293,307	255,720	253,559	255,566	260,262	258,296	258,046	257,635	293,307	278,070	268,709	270,828	271,650	268,525	270,813
Investments, total	223,349	238,932	236,129	238,860	240,171	245,197	245,127	245,162	240,951	238,932	243,445	247,513	249,302	250,366	250,457	253,286
U.S. Treasury and government agency securities, total	156,556	177,816	172,743</													

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in <i>Business Statistics, 1961-88</i>	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
FINANCE—Continued																
BANKING—Continued																
<i>(Billions of dollars)</i>																
Commercial bank credit, seas. adj.: \$																
Total loans and securities ◊	2,582.6	2,723.6	2,655.4	2,670.1	2,683.0	2,704.9	2,708.0	2,713.6	2,716.6	2,723.6	2,721.2	2,735.1	2,750.9	2,751.6	2,750.0	
U.S. Government securities	394.5	454.2	430.3	438.4	442.8	445.7	450.1	453.1	454.0	454.2	454.1	458.0	471.4	479.2	484.9	
Other securities	180.3	175.6	178.2	177.5	177.3	178.8	178.8	177.8	175.9	175.6	177.7	177.6	177.6	175.7	174.0	
Total loans and leases ◊	2,007.9	2,093.8	2,046.9	2,054.2	2,062.9	2,080.4	2,079.0	2,082.7	2,086.7	2,093.8	2,089.4	2,099.5	2,102.0	2,096.7	2,091.1	
<i>(Percent)</i>																
Money and interest rates:																
Prime rate charged by banks on short-term business loans	10.87	10.01	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	9.52	9.05	9.00	9.00	8.50	8.50
Discount rate (New York Federal Reserve Bank) @	6.93	6.98	7.00	7.00	7.00	7.00	7.00	7.00	7.00	6.79	6.50	6.00	6.00	5.98	5.50	5.50
Federal intermediate credit bank loans																
Home mortgage rates (conventional 1st mortgages):																
New home purchase (U.S. avg.)	9.77	9.68	9.87	9.80	9.75	9.75	9.60	9.68	9.61	9.45	9.36	9.28	9.16	9.24	9.26	9.18
Existing home purchase (U.S. avg.)	9.81	9.73	9.83	9.85	9.85	9.70	9.70	9.67	9.69	9.58	9.54	9.49	9.26	9.24	9.23	9.12
Open market rates, New York City:																
Bankers' acceptances, 3-month	8.87	7.93	8.12	8.00	7.86	7.75	7.83	7.85	7.82	7.60	6.96	6.36	6.24	5.92	5.75	5.94
Commercial paper, 6-month ‡	8.80	7.95	8.23	8.06	7.90	7.77	7.83	7.81	7.74	7.49	7.02	6.41	6.36	6.07	5.94	6.16
Finance co. paper placed directly, 6-mo	8.16	7.53	8.04	7.79	7.66	7.46	7.50	7.50	7.42	6.95	6.59	6.14	6.20	5.91	5.72	5.75
Yield on U.S. Gov. securities (taxable):																
3-month bills (rate on new issue)	8.120	7.510	7.780	7.740	7.660	7.440	7.380	7.190	7.070	6.810	6.300	5.950	5.910	5.670	5.510	5.600
CONSUMER INSTALLMENT CREDIT †																
<i>(Millions of dollars)</i>																
Not seasonally adjusted:																
Total outstanding (end of period) #	730,901	748,300	724,961	727,956	730,660	736,480	738,946	736,091	738,626	748,300	736,399	729,284	725,462	727,907	728,419	
By major holder:																
Commercial banks	342,770	347,466	337,475	334,138	336,658	340,525	342,698	341,755	342,882	347,466	341,426	339,282	335,754	336,425	334,801	
Finance companies	140,832	137,450	138,384	138,642	138,796	139,496	140,890	141,329	139,195	137,450	134,965	133,021	131,552	133,462	134,045	
Credit unions	93,114	92,911	91,730	91,800	92,260	93,071	92,996	93,190	92,918	92,911	91,991	91,131	90,772	91,413	92,054	
Retailers	44,154	43,552	39,704	39,767	39,165	39,557	38,963	38,282	39,095	43,552	40,945	38,884	38,497	37,817	36,782	
Savings institutions	57,253	45,616	55,485	54,517	53,541	51,822	50,683	48,055	47,121	45,616	44,939	43,875	42,491	41,707	41,214	
Gasoline companies *	3,935	4,822	4,024	4,192	4,396	4,722	4,723	4,749	4,753	4,822	4,786	4,404	4,286	4,357	4,507	
Pools of securitized assets ††	48,843	76,483	58,159	64,900	65,844	67,267	67,993	68,731	72,662	76,483	77,367	78,687	82,100	82,726	85,016	
By major credit type:																
Automobile *	290,705	284,813	288,345	289,259	288,741	289,371	289,169	287,304	285,379	284,813	282,214	279,913	277,798	277,508	275,537	
Revolving *	210,310	232,370	207,796	210,050	213,140	216,633	218,279	218,337	222,643	232,370	223,606	220,714	221,400	222,627	224,438	
Mobile home *	22,240	20,666	21,980	21,724	21,245	21,185	21,195	20,773	20,472	20,666	20,614	20,382	20,030	20,052	19,787	
Other *	207,646	210,451	206,840	206,923	207,534	209,291	210,303	209,677	210,132	210,451	209,985	208,275	206,234	207,720	208,677	
Seasonally adjusted:																
Total outstanding (end of period) #			729,528	730,355	732,750	733,844	735,547	735,433	736,411	735,102	732,962	732,762	732,442	733,621	732,995	
By major credit type:																
Automobile			289,416	288,797	288,136	286,818	285,627	285,024	284,412	284,585	283,746	282,626	280,689	279,746	278,449	
Revolving			210,618	212,043	215,119	217,024	219,090	220,031	221,690	220,110	219,588	221,556	221,817	222,984	227,440	
Mobile home			22,073	21,761	21,211	21,191	21,073	20,680	20,492	20,919	20,459	20,200	20,123	20,098	19,842	
Other			207,421	207,754	208,284	208,811	209,758	209,817	209,487	209,817	209,170	208,379	208,813	207,782	209,283	
Total net change (during period) #			1,730	827	2,395	1,094	1,703	-114	978	-1,309	-2,140	-200	-320	1,179	-626	
By major credit type:																
Automobile			-584	-619	-661	-1,318	-1,191	-603	-612	173	-839	-1,120	-1,937	-943	-3,297	
Revolving			2,945	1,425	3,076	1,905	2,066	941	1,659	-1,580	-522	1,988	3,281	1,177	1,446	
Mobile home			-286	-312	-550	-20	-118	-393	-188	-427	-460	-259	-77	-25	-256	
Other			-345	333	530	527	947	-60	119	-330	-317	-791	-1,566	969	1,481	
FEDERAL GOVERNMENT FINANCE																
<i>(Millions of dollars)</i>																
Federal receipts and outlays:																
Receipts (net)	1,990,701	1,031,308	69,186	110,601	72,329	78,462	102,939	76,986	70,507	101,900	100,713	67,657	64,805	140,380	63,560	
Outlays (net)	1,142,691	1,251,766	111,668	121,706	98,253	131,181	82,012	108,270	118,142	82,160	99,023	93,834	105,876	110,249	116,906	
Total surplus or deficit (-)	151,989	220,458	-42,482	-11,105	-25,924	-52,719	20,778	-31,285	-47,635	-7,311	1,690	-26,177	-41,071	30,131	-53,346	
Federal financing, total	151,989	220,458	42,482	11,105	25,924	52,719	-20,778	31,285	47,635	7,311	-1,690	26,177	41,071	-30,131	53,346	
Borrowing from the public	140,369	298,824	23,380	23,519	24,233	47,329	-2,595	32,265	46,776	19,700	31,764	34,611	-9,913	-9,399	41,742	
Other	11,620	10,796	19,172	12,386	-1,701	-5,425	20,848	803	-1,274	12,389	33,524	8,531	-50,758	20,732	-11,604	
Gross amount of debt outstanding	2,881,112	3,266,073	3,127,355	3,175,461	3,200,338	3,243,261	3,266,073	3,307,748	3,363,205	3,397,325	3,443,129	3,488,624	3,491,694	3,470,530	3,522,261	
Held by the public	2,204,270	2,470,166	2,376,813	2,400,365	2,424,598	2,471,927	2,470,166	2,502,431	2,549,207	2,568,907	2,600,015	2,634,626	2,624,714	2,615,217	2,656,959	
Federal receipts by source and outlays by agency:																
Receipts (net), total	1,990,701	1,031,308	69,186	110,601	72,329	78,462	102,939	76,986	70,507	101,900	100,713	67,657	64,805	140,380	63,560	
Individual income taxes (net)	445,690	474,235	21,467	49,639	33,290	36,434	46,684	40,691	27,156	46,471	50,882	27,929	11,288	77,768	20,005	
Corporation income taxes (net)	103,291	96,945	1,557	18,569	2,057	1,608	17,344	1,614	1,294	22,523	3,829	2,495	12,807	13,296	2,032	
Social insurance taxes and contributions (net)	359,416	388,944	37,450	34,326	29,610	32,047	31,010	26,598	33,723	25,480	39,604	29,872	33,045	42,478	34,546	
Other	82,392	96,969	8,798	8,081	7,399	8,397	7,856	9,807	10,646	7,992	7,487	7,361	7,665	6,538	6,977	
Outlays (net), total	1,142,691	1,251,766	111,668	121,706	98,253	131,181	82,012	108,270	118,142	82,160	99,023	93,834	105,876	110,249	116,906	
Agriculture Department	48,414	50,117	4,216	3,015	3,349	2,346	3,320	4,818	6,474	5,353	4,533	3,145	5,051	5,208	5,061	
Defense Department, military	294,876	296,559	25,560	27,015	22,004	27,805	20,522	24,094	29,021	25,168	20,868	24,940	14,852	20,841	24,091	
Health and Human Services Department	399,774	449,829	37,316	42,467	36,992	59,467	14,730	36,734	39,360	38,133	38,391	39,162	39,555	41,445	43,040	
Treasury Department	230,573	261,117	20,522	40,176	17,012	18,529	16,281	15,561	19,345	46,544	17,165	18,754	19,860	17,714	22,821	
National Aeronautics and Space Administration	11,036	13,164	963	1,103	1,101	1,140	948	1,351	1,155	1,396	851	1,063	1,139	1,220	1,235	
Veterans Affairs Department	30,041	30,575	2,596	3,737	1,265	3,619	1,202	2,886	4,018	2,428	948	2,576	2,716	3,184	3,668	
GOLD AND SILVER:																
Gold:																
Monetary stock, U.S. (end of period), mil. \$	11,059	11,061	11,065	11,065	11,064	11,065	11,063	11,060	11,059	11,058	11,058	11,058	11,058	11,058	11,058	
Price at New York, dol. per tray oz. ††	381.28	384.08	369.19	352.33	362.53	395.03	389.46	380.74	381.72	378.16	383.64	363.83	363.34	358.39	356.82	366.72
Silver:																
Price at New York, dol. per tray oz. ††	5.499	4.819	5.074	4.906	4.859	4.982	4.790	4.366	4.169	4.068	4.028	3.723	3.960			

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1961-88*

	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
FINANCE—Continued																
MONETARY STATISTICS																
<i>[Billions of dollars]</i>																
Currency in circulation (end of period)	260.4	287.0	266.9					271.9			287.0				286.7	
Money stock measures and components (averages of daily figures): †																
Measures (not seasonally adjusted):																
M1	783.7	812.2	797.3	810.8	812.9	814.5	818.9	817.6	826.1	844.3	833.2	823.4	835.0	852.9	*841.6	857.7
M2	3,129.6	3,293.2	3,262.8	3,284.1	3,298.6	3,310.2	3,316.8	3,321.6	3,327.1	3,341.6	3,341.3	*3,345.0	*3,374.1	*3,396.4	*3,374.4	3,391.5
M3	3,987.7	4,091.4	4,064.3	4,080.8	4,091.4	4,108.3	4,107.2	4,106.4	4,115.9	4,123.8	4,130.7	*4,148.4	*4,168.2	*4,179.5	*4,152.8	4,158.6
L (M3 plus other liquid assets)	4,782.8	4,929.6	4,888.6	4,914.1	*4,918.8	*4,932.4	*4,954.0	*4,950.8	*4,964.6	*4,984.0	*4,998.8	*5,001.1	*5,006.6	*4,980.0	4,928.2	
Components (not seasonally adjusted):																
Currency	217.5	235.5	231.8	234.9	237.3	239.4	241.0	242.8	245.7	249.6	249.8	252.7	255.6	256.0	257.4	259.1
Demand deposits	280.4	277.5	288.9	275.2	277.3	276.8	278.2	278.0	280.5	289.9	277.7	268.1	270.1	277.6	271.5	279.6
Other checkable deposits ††	278.5	291.2	289.1	292.7	289.7	289.4	291.1	288.4	291.9	297.0	297.9	294.9	301.6	311.8	*305.0	310.9
Overnight RP's and Eurodollars ◊	79.1	81.1	83.2	82.4	84.0	82.6	81.5	83.5	77.6	74.0	71.2	70.1	69.1	*69.1	*67.2	65.4
General purpose and broker/dealer money market funds	276.3	332.0	321.7	322.2	325.0	334.6	339.2	341.1	343.4	345.5	354.2	362.3	370.0	368.5	360.5	358.0
Money market deposit accounts	475.0	501.1	495.7	499.3	499.8	504.3	505.9	505.6	509.8	510.3	509.0	513.5	522.1	526.9	*530.7	538.6
Savings deposits	409.9	410.9	412.5	414.6	416.9	414.0	411.7	412.6	410.4	407.3	408.9	411.9	420.5	428.5	*434.2	441.8
Small time deposits @	1,355.5	1,155.7	1,152.4	1,154.8	1,160.1	1,160.2	1,159.5	1,161.2	1,159.8	1,160.2	1,164.7	1,163.8	1,157.5	1,150.4	*1,140.1	1,130.0
Large time deposits @	564.1	533.9	539.9	537.2	533.2	530.4	524.3	518.3	515.9	507.1	509.8	514.2	510.9	503.9	*502.2	497.0
Measures (seasonally adjusted):																
M1			807.5	811.5	810.7	816.5	821.8	821.2	823.3	825.4	826.7	836.4	843.0	842.2	*851.7	858.4
M2			3,282.8	3,290.6	3,295.4	3,309.5	3,321.5	3,324.3	3,323.5	3,327.6	3,331.0	3,354.3	*3,374.9	*3,382.8	*3,394.9	3,398.5
M3			4,082.7	4,085.8	4,089.2	4,103.3	4,109.0	4,109.3	4,108.8	4,111.7	*4,124.6	*4,160.3	*4,168.9	*4,170.4	*4,171.6	4,164.1
L (M3 plus other liquid assets)			4,903.2	4,922.8	*4,926.4	*4,934.2	*4,955.5	*4,955.0	*4,959.9	*4,965.5	*4,982.7	*5,010.6	*5,008.5	*4,968.7	4,943.1	
Components (seasonally adjusted):																
Currency			231.9	233.7	235.7	238.4	241.5	243.9	245.0	246.4	251.6	255.1	256.7	256.6	256.8	257.5
Demand deposits			275.8	276.3	275.8	278.0	279.1	277.1	277.2	276.9	272.9	276.2	277.1	*275.7	*278.6	280.9
Other checkable deposits ††			292.0	293.7	291.7	292.1	293.0	291.8	292.8	293.7	293.9	296.9	301.0	302.0	*308.3	312.1
Savings deposits			411.3	411.8	412.7	412.7	412.3	411.5	411.1	410.8	412.0	415.4	420.5	*427.2	*433.2	438.9
Small time deposits @			1,153.5	1,154.8	1,156.8	1,158.3	1,160.1	1,161.4	1,161.8	1,164.2	1,163.9	1,162.7	1,158.3	*1,150.2	*1,140.6	1,129.4
Large time deposits @			540.5	538.0	535.0	529.2	521.9	515.1	512.5	507.1	511.9	516.0	511.5	*506.8	*502.7	497.6
PROFITS AND DIVIDENDS (QTRLY.)																
<i>[Millions of dollars]</i>																
Manufacturing corps. (Bureau of the Census):																
Net profits after taxes, all manufacturing	136,490	112,611		36,148			29,255			19,274						
Food and kindred products	16,545	16,061		5,167			5,113			2,288						
Textile mill products	1,416	422		252			133			-19						
Paper and allied products	7,047	4,844		1,630			1,246			579						
Chemicals and allied products	24,523	23,367		6,327			6,280			5,265						
Petroleum and coal products	19,512	17,580		4,065			4,781			4,663						
Stone, clay, and glass products	1,968	1,106		1,003			569			-463						
Primary nonferrous metal	3,785	2,410		883			656			151						
Primary iron and steel	1,512	577		473			312			-527						
Fabricated metal products	5,515	4,721		1,529			1,302			517						
Machinery (except electrical)	9,666	11,156		2,921			2,573			3,282						
Electrical and electronic equipment	9,663	7,188		2,050			2,032			1,051						
Transportation equipment (except motor vehicles and equipment)	4,315	4,921		1,193			1,536			855						
Motor vehicles and equipment	8,349	-582		2,111			-1,941			-2,107						
All other manufacturing industries	22,674	17,829		5,519			4,696			3,739						
Dividends paid (cash), all manufacturing	65,244	63,815		16,322			14,740			17,612						
SECURITIES ISSUED																
<i>[Millions of dollars]</i>																
Securities and Exchange Commission:																
Estimated gross proceeds, total	(1)															
By type of security:																
Bonds and notes, corporate	(1)															
Common stock	(1)															
Preferred stock	(1)															
By type of issuer:																
Corporate, total #	(1)															
Manufacturing	(1)															
Extractive	(1)															
Public utility	(1)															
Transportation	(1)															
Communication	(1)															
Financial and real estate	(1)															
State and municipal issues (Bond Buyer):																
Long-term	125,047	127,971	12,251	14,355	8,242	11,228	14,066	8,296	10,332	14,397	7,700	12,002	11,007	10,017	13,327	
Short-term	29,002	34,332	2,298	9,035	3,817	7,478	1,227	1,119	2,360	1,977	1,881	2,074	1,781	1,692	1,134	
SECURITY MARKETS																
<i>[Millions of dollars, unless otherwise indicated]</i>																
Stock Market Customer Financing																
Margin credit at broker-dealers, end of year or month	34,320	28,210	31,600	31,720	32,130	30,350	29,640	28,650	27,820	28,210	27,390	28,860	(2)			
Free credit balances at brokers, end of year or month:																
Margin-account	7,040	8,050	6,215	6,490	6,385	7,140	7,285	7,245	7,300	8,050	7,435	7,190	(2)			
Cash-account	18,505	19,285	15,470	15,625	17,035	16,745	16,185	15,820	17,025	19,285	18,825	19,435	(2)			
Bonds																
Prices:																
Standard & Poor's Corporation, domestic municipal (15 bonds), <i>dot. per \$100 bond</i>	66.1	66.0	65.3	66.2	66.7	65.5	64.8	64.8	67.2	67.6	67.6	69.0	67.3	67.1	68.0	66.9
Sales:																
New York Stock Exchange, exclusive of some stopped sales, face value, total	8,836.27	10,892.70	774.16	946.52	1,155.55	977.60	675.60	959.89	794.07	820.37	1,074.13	1,689.18	1,248.14	1,094.59	1,002.50	854.25

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1991-88*

	Annual		1990									1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	

FINANCE—Continued

Bonds—Continued																
[Percent]																
Yields:																
Domestic corporate (Moody's)	9.66	9.77	9.87	9.67	9.65	9.84	10.02	10.03	9.85	9.63	9.62	9.36	9.43	9.33	9.32	9.45
By rating:																
Aaa	9.26	9.32	9.47	9.26	9.24	9.41	9.56	9.53	9.30	9.05	9.04	8.83	8.83	8.86	8.86	9.01
Aa	9.46	9.56	9.70	9.49	9.47	9.63	9.77	9.77	9.59	9.39	9.34	9.16	9.21	9.12	9.15	9.28
A	9.74	9.89	9.70	9.69	9.69	9.89	10.09	10.06	9.88	9.64	9.61	9.38	9.50	9.29	9.41	9.55
Baa	10.18	10.36	10.41	10.22	10.20	10.41	10.64	10.74	10.62	10.43	10.41	10.07	10.09	9.94	9.86	9.96
By group:																
Industrials	9.66	9.77	9.84	9.64	9.64	9.83	10.02	10.11	9.93	9.68	9.68	9.41	9.47	9.35	9.34	9.46
Public utilities	9.66	9.76	9.89	9.69	9.66	9.84	10.01	9.94	9.76	9.57	9.56	9.31	9.39	9.30	9.29	9.44
Railroads	(1)															
Domestic municipal:																
Bond Buyer (20 bonds)	7.23	7.31	7.26	7.27	7.15	7.47	7.53	7.43	7.08	7.14	7.00	7.01	7.14	7.01	6.97	
Standard & Poor's Corp. (15 bonds)	7.24	7.25	7.34	7.22	7.15	7.31	7.40	7.40	7.10	7.04	7.05	6.90	7.07	7.05	6.95	7.09
U.S. Treasury bonds, taxable †	8.58	8.74	8.90	8.62	8.64	8.97	9.11	8.93	8.60	8.31	8.33	8.12	8.38	8.29	8.33	8.54
Stocks																
Prices:																
Dow Jones averages (65 stocks)	966.86	965.24	1,022.50	1,045.32	1,039.61	934.30	888.98	868.89	881.98	916.30	922.30	1,022.63	1,034.12	1,043.14	1,049.29	1,062.35
Industrial (30 stocks)	2,508.91	2,678.94	2,793.81	2,894.82	2,934.23	2,681.89	2,550.69	2,460.54	2,518.56	2,610.92	2,587.60	2,863.04	2,920.11	2,925.53	2,928.42	2,968.13
Public utility (15 stocks)	205.72	211.53	212.37	211.16	204.95	210.09	199.83	207.18	210.26	210.55	205.27	213.69	213.15	214.36	211.18	204.62
Transportation (20 stocks)	1,194.30	1,040.24	1,163.11	1,181.85	1,150.03	951.11	881.31	850.77	848.07	908.43	962.42	1,110.26	1,113.24	1,139.05	1,167.55	1,205.08
Standard & Poor's Corporation, 1941-43=10 unless otherwise indicated: \$																
Combined index (500 Stocks)	322.84	334.59	350.25	360.39	360.03	330.75	315.41	307.12	315.29	328.75	325.49	362.26	372.28	379.68	377.99	378.29
Industrial, total (400 Stocks) #	370.28	390.88	408.10	421.49	425.76	390.78	372.81	361.00	369.35	384.75	382.78	427.94	441.87	450.17	450.05	450.87
Capital goods	278.70	282.47	305.65	312.50	312.90	281.47	260.28	241.70	249.94	266.73	267.72	308.18	308.68	306.43	302.67	309.36
Consumer goods	398.17	433.92	445.52	469.50	481.61	437.65	414.03	408.36	424.91	450.62	443.65	504.43	528.29	546.89	543.40	540.25
Utilities (40 Stocks)	132.16	140.16	143.66	143.52	137.86	132.76	130.33	137.91	141.58	144.46	138.38	143.19	142.84	143.13	138.66	135.73
Transportation (20 Stocks), 1962=100	271.78	254.32	277.39	284.14	276.97	240.08	224.76	216.47	218.87	232.89	241.37	270.36	267.91	273.89	284.72	296.23
Railroads	197.31	202.85	212.18	221.46	220.90	204.55	191.84	169.59	183.63	195.87	197.92	218.40	214.22	222.37	233.56	246.13
Financial (40 Stocks), 1970=10 (subcategories in 1941-43=10)	30.24	26.12	28.73	29.84	28.48	24.86	22.57	20.07	21.52	23.53	23.20	27.75	28.64	30.27	29.81	30.18
Money center banks	116.14	85.50	94.63	96.78	90.56	80.78	72.86	58.25	65.88	75.38	70.42	82.99	81.17	88.43	90.36	94.36
Major regional banks	122.18	95.53	107.48	110.48	102.52	89.52	79.30	63.41	74.90	83.51	79.10	98.77	102.97	109.72	114.71	118.00
Property-Casualty insurance	326.34	342.56	358.70	367.50	354.19	325.99	304.77	282.56	322.57	343.99	341.84	391.74	394.93	410.25	383.37	384.04
N.Y. Stock Exchange common stock indexes, 12/31/65=50:																
Composite	180.02	183.46	191.35	196.68	196.61	181.46	173.24	168.05	172.21	179.57	177.95	197.75	203.56	207.71	206.93	207.31
Industrial	216.23	225.78	234.85	242.42	245.86	226.73	216.81	208.58	212.81	221.86	220.69	246.74	255.36	260.14	260.13	261.16
Transportation	175.28	158.62	173.52	177.37	173.18	147.41	136.95	131.90	132.96	141.31	145.89	166.06	166.26	166.89	170.76	177.04
Utility	87.43	90.60	93.29	93.65	89.85	85.81	83.30	87.27	89.69	91.56	88.59	92.08	92.29	92.92	90.75	89.00
Finance	151.88	133.26	142.94	147.93	143.11	128.14	118.59	108.01	113.76	122.18	121.39	141.03	145.41	152.63	151.31	152.31
NASDAQ over-the-counter price indexes:																
Composite, 25/71=100	437.80	409.21	442.60	462.31	455.82	396.32	368.58	338.01	347.69	370.21	376.68	442.59	469.10	496.32	490.93	490.38
Industrial	428.38	430.57	467.97	493.50	493.24	423.90	394.25	360.41	373.24	400.89	412.83	491.45	527.06	558.44	545.97	545.84
Insurance	504.75	471.43	490.90	507.48	502.98	460.22	432.85	391.57	413.86	449.44	448.96	509.23	532.17	562.43	554.37	546.64
Bank	457.08	319.03	347.83	346.86	330.54	293.84	271.42	246.09	246.60	255.16	254.05	291.19	303.59	325.16	329.81	329.37
NASDAQ/NMS composite, 7/10/84=100	191.02	179.96	193.92	202.76	199.93	173.54	161.35	148.09	152.62	163.42	166.62	196.23	207.51	219.21	216.55	216.34
Industrial	167.51	170.17	184.78	195.16	195.21	167.45	155.69	142.51	148.50	160.24	165.44	197.17	210.74	222.97	217.43	217.40
Yields (Standard & Poor's Corp.), percent:																
Composite (500 stocks)	3.45	3.61	3.44	3.36	3.37	3.65	3.85	4.01	3.91	3.74	3.61	3.32	3.25	3.25	3.19	
Industrials (400 stocks)	3.01	3.16	3.01	2.93	2.91	3.16	3.33	3.51	3.45	3.31	3.17	2.90	2.84	2.82	2.74	
Utilities (40 stocks)	6.39	5.91	5.78	5.76	6.03	6.17	6.36	6.02	5.89	5.73	6.05	5.88	5.81	5.96	6.17	
Transportation (20 stocks)	2.14	2.56	2.30	2.21	2.24	2.63	2.96	2.95	3.17	2.87	2.54	2.46	2.51	2.37	2.28	
Financial (40 stocks)	3.73	4.82	4.38	4.22	4.42	5.05	6.14	6.27	5.54	4.96	4.48	3.98	3.66	3.72	3.63	
Preferred stocks, 10 high-grade	9.04	8.96	9.04	9.01	8.94	8.97	9.05	8.96	8.88	8.72	8.71	8.46	8.55	8.43	8.21	8.26
Sales:																
Total on all registered exchanges (SEC):																
Market value, mil. \$	1,844,848	1,611,667	143,013	148,706	138,813	177,524	96,201	132,968	116,867	122,918	111,171	165,070	168,715	159,472	149,994	
Shares sold, millions	54,239	53,338	5,371	4,380	4,080	5,449	3,271	5,581	4,200	4,312	3,950	5,550	5,574	5,205	4,677	
On New York Stock Exchange:																
Market value, mil. \$	1,576,899	1,389,084	123,055	128,367	120,494	152,819	83,385	116,348	99,541	107,530	95,441	142,066	145,301	137,534	128,620	
Shares sold (cleared or settled), millions	44,140	43,826	4,561	3,576	3,370	4,402	2,665	4,800	3,463	3,557	3,258	4,610	4,543	4,247	3,852	
New York Stock Exchange:																
Exclusive of odd-lot stock sales (sales effected), millions	41,899	39,665	3,597	3,228	3,371	4,015	2,686	3,671	3,148	3,109	3,636	4,273	3,900	4,011	3,742	3,259
NASDAQ over-the-counter:																
Market value, mil. \$	431,381	377,468	48,795	44,887	46,329	44,058	26,152	33,380	28,252	30,127	45,375	56,767	55,754	66,434	55,906	46,976
Shares sold, millions	33,530	27,894	3,469	3,153	2,985	3,121	2,096	2,695	2,378	2,495	2,925	3,313	3,585	4,114	3,378	2,854
Shares listed, NYSE, end of period:																
Market value, all listed shares, bil. \$	3,029.65	2,819.78	3,067.12	3,045.54	3,034.18	2,759.95	2,617.45	2,591.25	2,747.59	2,819.78	2,927.78	3,137.60	3,209.91	3,229.47	3,360.17	3,216.19
Number of shares listed, millions	82,797	90,732	86,507	87,750	88,748	88,782	89,488	90,079	90,345	90,732	90,772	91,096	91,851	93,579	94,204	94,821

FOREIGN TRADE OF THE UNITED STATES

VALUE OF EXPORTS																
[Millions of dollars]																
Exports (mdse.), incl. reexports, total @	363,811.5	393,893.4	33,678.0	34,456.9	30,728.6	31,663.8	31,486.6	35,295.9	33,689.2	32,922.8	33,150.1	32,682.8	36,797.0	36,110.4	36,169.7	
Seasonally adjusted †			32,773.7	34,220.9	32,125.4	32,548.6	32,010.2	35,006.3	34,194.3	33,305.1	34,144.0	33,599.4	34,030.7	35,632.1	35,303.9	
Western Europe																
European Economic Community	100,165.1	112,974.6	9,864.6	9,624.7	8,474.2	8,318.3	9,014.1	9,984.9	9,322.0	10,335.7	9,461.3	9,517.7	11,837.0	10,882.8	10,087.8	
Belgium and Luxembourg	86,330.8	98,026.8	8,345.6	8,414.9	7,300.8	7,235.3	7,802.0	8,766.1	8,092.7	8,770.1	8,319.9	8,307.2	10,134.9	9,363.3		

	Annual		1990										1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		
	FOREIGN TRADE OF THE UNITED STATES—Continued																	
VALUE OF EXPORTS—Continued																		
<i>(Millions of dollars)</i>																		
Exports (mdse.), incl. reexports—Continued																		
Western Hemisphere:																		
Canada	78,808.9	83,865.5	7,914.5	7,518.5	6,154.5	6,683.0	6,447.5	7,455.8	7,359.4	5,943.0	6,777.9	6,369.5	7,085.4	7,604.0	7,684.9			
Brazil	4,803.9	5,061.9	288.6	403.4	412.3	512.9	474.2	497.6	461.8	444.0	348.3	388.3	421.3	480.6	495.4			
Mexico	24,982.0	28,375.3	2,559.8	2,534.6	2,332.6	2,519.5	2,370.4	2,779.5	2,503.7	2,226.8	2,400.7	2,355.6	2,346.8	2,763.9	2,843.8			
Venezuela	3,025.2	3,107.2	258.6	295.4	246.6	278.4	279.6	287.6	303.0	326.2	296.2	315.0	358.9	399.0	401.7			
Asia:																		
China	5,755.4	4,807.2	381.4	499.8	385.7	422.7	354.8	452.7	329.9	372.8	411.0	486.3	472.9	437.5	630.9			
Hong Kong	6,246.3	6,840.6	734.1	655.3	503.9	519.5	595.8	526.7	527.8	542.1	715.8	590.9	629.7	748.0	645.8			
Japan	44,493.7	48,584.8	3,735.9	4,181.8	4,220.0	3,917.6	3,992.0	4,250.2	4,350.5	4,370.8	3,819.5	4,263.0	4,240.5	3,907.9	4,255.9			
Republic of Korea	13,478.0	14,398.7	1,156.6	1,343.8	1,104.5	1,198.6	1,109.0	1,337.1	1,270.4	1,181.3	1,461.7	1,231.0	1,352.0	1,244.2	1,365.7			
Saudi Arabia	3,573.6	4,034.8	293.0	270.3	290.7	356.3	288.8	489.9	436.2	477.1	509.5	392.7	627.6	582.7	507.3			
Singapore	7,344.7	8,019.1	597.0	809.6	631.8	746.1	793.5	704.8	639.2	671.9	794.0	776.7	847.1	656.7	810.7			
Taiwan	11,334.5	11,482.3	931.1	941.4	886.7	908.4	874.1	971.2	962.4	983.2	1,015.6	1,020.2	1,037.0	987.8	1,089.2			
Africa:																		
Nigeria	490.3	551.5	45.1	46.1	34.8	43.7	35.1	55.2	73.2	53.2	55.7	51.1	58.9	60.2	54.5			
Republic of South Africa	1,659.4	1,732.4	121.1	143.0	169.5	157.2	149.2	136.2	136.5	258.8	258.8	314.3	170.8	161.1	152.6			
Australia	8,331.3	8,534.7	615.0	677.1	760.5	883.1	625.4	608.4	580.3	955.9	603.5	706.5	592.3	599.1	581.5			
OPEC	13,195.9	13,678.7	1,093.7	1,168.4	1,033.2	1,127.6	955.2	1,310.0	1,291.9	1,326.9	1,281.3	1,254.1	1,594.2	1,594.1	1,572.8			
Exports of U.S. merchandise, total @	349,650.5	375,454.2	32,078.3	32,424.6	29,257.8	30,153.4	30,028.5	33,755.3	32,249.6	31,461.3	31,526.2	31,138.8	34,782.4	34,433.1	34,432.7			
By commodity groups and principal commodities:																		
Agricultural products, total	40,003.9	38,783.4	3,202.7	3,178.7	2,714.6	2,893.5	2,734.4	3,031.7	3,456.2	3,116.7	3,164.7	3,434.9	3,580.1	3,084.5	3,030.1			
Nonagricultural products, total	314,551.0	341,914.0	32,020.1	29,319.4	26,443.5	27,342.2	30,153.4	30,488.9	28,215.9	28,496.1	28,543.8	27,687.3	31,164.5	31,271.6	31,402.6			
Food and live animals #	29,723.8	29,280.0	2,520.2	2,527.7	2,432.5	2,497.1	2,190.6	2,456.3	2,473.5	2,083.9	2,126.5	2,538.6	2,621.6	2,303.3	2,285.9			
Beverages and tobacco	5,509.8	7,118.6	613.3	510.9	486.0	549.7	766.4	744.4	776.7	765.0	765.0	646.6	649.0	549.9	619.2			
Crude materials, inedible, exc. fuels #	26,946.7	26,984.9	2,168.8	2,230.8	1,915.6	2,153.6	1,957.0	2,121.8	2,291.5	2,238.8	2,289.2	2,358.1	2,469.5	2,197.8	2,237.3			
Mineral fuels, lubricants, etc. #	9,865.3	12,174.8	866.3	869.0	831.2	1,057.3	1,176.0	1,299.5	1,393.9	1,216.2	1,205.7	1,304.7	938.4	732.4	1,066.5			
Oils and fats, animal and vegetable	1,349.7	1,190.6	126.2	121.0	102.7	97.5	100.8	85.5	80.0	81.7	87.5	75.6	66.8	107.1	77.1			
Chemicals	36,485.1	38,983.3	3,358.8	3,259.6	3,007.8	3,234.4	3,125.3	3,615.7	3,320.2	3,298.3	3,590.2	3,591.6	3,923.4	3,848.4	3,913.6			
Manufactured goods classified chiefly by material	27,242.8	31,670.3	2,596.5	2,685.9	2,499.7	2,619.6	2,579.8	2,921.8	2,774.0	2,520.1	2,812.7	2,753.6	2,914.0	3,108.9	3,146.8			
Miscellaneous manufactured articles	132,637.5	39,285.3	3,314.9	3,293.5	3,279.8	3,187.0	3,319.9	3,495.5	3,326.6	3,336.0	3,267.5	3,209.3	3,659.8	3,625.0	3,644.9			
Machinery and transport equipment, total	146,799.9	172,521.9	15,177.5	15,740.7	13,505.2	13,592.8	13,779.5	15,410.8	13,677.6	14,020.0	14,269.0	13,216.5	16,176.6	16,419.4	16,066.9			
Machinery, total #																		
Transport equipment, total																		
Motor vehicles and parts	223,610.2	26,656.3	2,818.0	2,602.9	1,722.6	1,956.2	1,985.2	2,523.8	2,210.8	1,533.2	2,167.5	1,880.0	2,310.5	2,571.6	2,696.9			
VALUE OF IMPORTS																		
<i>(Millions of dollars)</i>																		
General imports, total @																		
Seasonally adjusted †	473,210.9	494,903.2	40,602.6	40,653.0	41,238.3	42,178.9	41,059.1	48,100.5	43,684.9	39,152.4	40,167.3	37,015.5	38,670.2	39,529.0	39,936.0			
Western Europe	101,763.6	108,901.1	9,053.0	8,818.5	9,804.2	8,692.3	8,128.9	10,617.1	9,735.9	8,734.7	8,360.0	8,154.5	8,657.2	8,775.4	8,767.7			
European Economic Community	85,153.2	91,867.5	7,523.3	7,394.4	8,297.4	7,530.9	6,764.5	9,002.4	8,141.7	7,483.5	6,979.2	6,891.5	7,316.4	7,371.4	7,387.0			
Belgium and Luxembourg	4,555.0	4,578.5	372.5	333.8	481.2	285.9	347.7	468.9	389.1	342.0	348.5	323.8	364.1	367.8	365.9			
France	13,013.4	13,124.0	1,053.8	1,085.2	1,216.7	1,461.0	1,149.8	1,461.0	1,149.8	1,037.7	1,068.3	1,027.0	1,116.7	1,161.9	1,064.5			
Federal Republic of Germany	24,832.3	28,108.7	2,361.7	2,220.3	2,497.2	2,475.7	2,061.3	2,522.9	2,387.4	2,312.9	2,073.4	2,215.8	2,389.9	2,304.2	2,183.1			
Italy	11,933.1	12,723.3	1,046.1	1,063.3	1,213.7	1,201.7	748.2	1,173.1	1,144.5	955.7	961.7	973.1	974.4	934.9	962.4			
Netherlands	4,809.6	4,971.9	435.2	391.0	490.2	408.1	375.6	447.5	433.6	370.2	318.4	334.8	386.2	381.8	407.1			
United Kingdom	18,319.1	20,288.2	1,680.0	1,529.6	1,511.9	1,511.8	1,711.4	2,183.2	1,971.4	1,789.8	1,559.0	1,427.2	1,523.6	1,567.4	1,701.1			
Eastern Europe	2,064.2	2,275.2	144.7	189.1	163.8	190.0	166.0	257.1	192.7	213.8	155.3	141.3	207.7	137.2	165.6			
Union of Soviet Socialist Republics	709.5	1,065.4	57.4	70.5	53.8	87.9	90.8	154.6	109.9	120.5	66.7	66.2	118.9	56.8	82.3			
Western Hemisphere:																		
Canada	87,953.0	91,372.1	8,473.5	8,227.1	7,050.4	7,158.2	7,588.1	8,809.9	7,948.0	6,867.8	7,227.1	6,875.6	7,498.0	7,892.8	8,036.5			
Brazil	8,410.0	7,976.4	674.7	747.3	691.0	579.1	770.8	536.0	631.6	673.2	553.8	438.6	696.7	540.3				
Mexico	27,182.1	30,172.3	2,490.4	2,465.9	2,337.9	2,557.5	2,590.3	3,120.8	2,794.7	2,243.4	2,479.9	2,236.6	2,412.3	2,682.4	2,639.9			
Venezuela	6,770.7	9,446.4	669.2	601.0	552.4	744.8	917.3	1,269.6	1,193.0	929.8	906.3	563.6	633.1	598.2	690.8			
Asia:																		
China	11,988.6	15,223.8	1,159.2	1,291.5	1,515.5	1,566.6	1,425.0	1,627.6	1,407.8	1,127.8	1,325.1	1,259.7	974.3	1,106.6	1,374.3			
Hong Kong	9,738.7	9,488.0	740.8	786.8	942.9	916.4	826.7	1,007.9	808.4	678.3	806.5	616.7	541.1	586.7	680.2			
Japan	93,585.8	89,655.1	6,701.7	7,251.1	7,186.3	7,697.8	7,046.7	8,703.3	8,138.7	7,809.5	7,281.4	7,422.2	7,815.5	7,255.2	6,687.7			
Republic of Korea	19,741.8	18,493.3	1,545.9	1,583.6	1,727.4	1,717.0	1,514.5	1,721.9	1,507.9	1,345.9	1,501.3	1,177.9	1,233.2	1,313.7	1,424.4			
Saudi Arabia	7,181.3	9,974.3	538.9	444.1	550.0	812.8	1,162.8	1,296.6	1,152.6	1,202.7	870.5	650.5	832.3	1,082.7				
Singapore	8,949.7	9,839.4	730.2	874.0	879.7	874.4	885.0	844.0	838.8	785.3	690.7	797.5	782.3	736.3				
Taiwan	24,325.7	22,666.8	1,893.5	1,846.7	2,025.0	2,119.6	1,905.9	2,076.1	1,893.1	1,712.4	1,877.9	1,695.3	1,525.0	1,708.7	1,820.7			
Africa:																		
Nigeria	5,226.4	5,977.2	605.0	401.8	390.6	400.9	518.7	643.3	420.6	405.0	468.5	422.1	507.7	460.2	482.9			
Republic of South Africa	1,529.0	1,700.6	165.4	145.8	107.7	140.1	144.4	156.4	202.4	140.4	170.1	144.5	149.0	161.9	174.8			
Australia	3,898.3	4,441.7	363.5	333.8	375.3	507.7	426.0	398.8	374.1	346.7	395.6	289.0	288.8	336.8	343.0			
OPEC	30,601.0	38,017.0	2,805.1	2,347.7	2,584.8	3,284.9	3,792.6	3,975.5	3,814.1	3,167.3	3,297.9	2,580.0	2,563.7	2,573.8	2,945.7			
By commodity groups and principal commodities:																		
Petroleum and products	49,623.9	61,356.8	4,369.8	3,757.3	4,038.6	4,867.5	6,224.8	7,298.9	6,358.0	5,209.7								
Nonpetroleum products	423,772.8	433,902.6	36,208.6	36,897.4	37,317.6	36,992.1	34,750.1	41,185.3	37,546.2	34,081.5								
Food and live animals #	20,685.5	21,932.5																

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1967-88*

	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
FOREIGN TRADE OF THE UNITED STATES—Continued																
Indexes <i>[1977=100]</i>																
Exports of U.S. merchandise:																
Unit value @	(3)															
Quantity	(3)															
Value	(3)															
General imports:																
Unit value @	(3)															
Quantity	(3)															
Value	(3)															
Shipping Weight and Value																
Waterborne trade:																
Exports (incl. reexports):																
Shipping weight, thous. metric tons	381,099		31,303	32,548	28,867	32,089	28,808	30,134	32,540							
Value, mil. \$	143,184		12,757	12,317	11,553	12,194	11,812	13,383	13,275							
General imports:																
Shipping weight, thous. metric tons	493,864		44,274	43,044	45,042	41,398	40,086	43,776	37,951							
Value, mil. \$	270,633		22,737	22,719	23,532	24,705	23,255	28,009	24,901							

TRANSPORTATION AND COMMUNICATION

TRANSPORTATION																
Air Carriers																
Certificated route carriers:																
Passenger-miles (revenue), billions	432.71	457.92	37.51	41.74	44.37	47.09	36.81	37.80	34.79	36.18	33.50	26.52	34.28	35.20		
Passenger-load factor, percent	63.2	62.4	60.8	67.1	67.8	71.2	60.1	60.2	58.9	59.6	56.9	56.2	59.8	63.2		
Ton-miles (revenue), total, millions	55,458	58,395	4,721	5,036	5,478	5,782	4,749	4,943	4,608	4,710	4,242	3,700	4,402	4,451		
Operating revenues (quarterly), mil. \$	69,225	75,967		19,177			20,128			19,116						
Passenger revenues, mil. \$	53,796	58,426		14,973			15,635			14,293						
Cargo revenues, mil. \$	6,893	5,435		1,300			1,344			1,505						
Mail revenues, mil. \$	955	970		231			228			282						
Operating expenses (quarterly), mil. \$	67,413	77,881		18,407			19,820			21,488						
Net income after taxes (quarterly), mil. \$	39	-3,994		503			-212			-3,647						
Domestic operations:																
Passenger-miles (revenue), billions	329.98	340.22	27.90	30.35	31.78	33.81	26.24	28.25	26.64	27.10	25.21	23.25	27.16	27.37		
Cargo ton-miles, millions	4,916	5,076	425	258	416	455	436	468	440	403	369	349	399	387		
Mail ton-miles, millions	1,415	1,490	119	113	108	121	114	128	128	178	129	95	112	110		
Operating revenues (quarterly), mil. \$	54,314	57,991		14,870			14,803			14,456						
Operating expenses (quarterly), mil. \$	52,460	59,004		14,080			14,770			16,032						
Net income after taxes (quarterly), mil. \$	304	-3,440		451			-561			-3,015						
International operations:																
Passenger-miles (revenue), billions	102.74	117.70	9.60	11.40	12.59	13.28	10.57	9.55	8.15	9.08	8.28	5.27	7.13	7.83		
Cargo ton-miles, millions	5,359	5,524	389	455	480	456	476	523	508	445	358	372	423	397		
Mail ton-miles, millions	464	514	37	38	37	40	41	45	53	67	37	32	39	37		
Operating revenues (quarterly), mil. \$	14,911	17,976		4,307			5,326			4,659						
Operating expenses (quarterly), mil. \$	14,954	18,878		4,327			5,050			5,456						
Net income after taxes (quarterly), mil. \$	-265	-554		52			349			-632						
Urban Transit Industry																
Passengers carried, total, millions ††	8,195	8,962	769	730	704	746	732	817	755	712	737	699	760			
Motor Carriers																
Carriers of property, large, class I, qtrly.:																
Number of reporting carriers, number	100	100		100			100			100			100			
Operating revenues, total, mil. \$	19,750	21,810		5,366			5,621			5,762			5,090			
Net income, after extraordinary and prior period charges and credits, mil. \$	355	442		123			145			86			8			
Tonnage hauled (revenue), common and contract carrier service, mil. tons	175	172		46			43			44			42			
Freight carried—volume indexes, class I and II intercity truck tonnage (ATA):																
Common carriers of general freight, seas. adj., 1967=100 ††	168.5	174.9	176.2	173.8	179.0	183.4	174.2	182.6	177.3	163.2	180.3	174.1	166.2	180.2	176.6	
Class I Railroads ‡																
Financial operations, quarterly (AAR), excluding Amtrak:																
Operating revenues, total, mil. \$ #	27,956	28,516		7,133			7,110			7,098			6,778			
Freight, mil. \$	27,059	27,616		6,912			6,891			6,868			6,554			
Passenger, excl. Amtrak, mil. \$	91	94		24			24			24			23			
Operating expenses, mil. \$	25,038	24,736		6,142			6,089			6,242			6,188			
Net railway operating income, mil. \$	1,896	2,676		700			710			491			380			
Ordinary income, mil. \$ †	2,010	1,953		562			595			529			430			
Traffic:																
Revenue ton-miles, qtrly. (AAR), billions	1,013.8	1,034.9		256.7			258.3			258.8			254.2	272.7	274.6	293.4
Producer Price Index, line haul operations, 1284=100	106.4	107.5	107.1	107.1	107.1	107.3	107.3	108.3	108.5	108.5	108.6	108.9	109.7	109.6	109.4	109.5
Travel																
Lodging industry:																
Restaurant sales index, same month 1967=100																
Hotels: Average room sale, dollars ◊	87.77		99.20	92.00	87.72	87.02										
Rooms occupied, % of total	68		72	71	68	71										
Motor hotels: Average room sale, dollars ◊	46.97		48.21	49.33	48.96	48.82										
Rooms occupied, % of total	66		70	74	74	75										
Economy hotels: Average room sale, dollars ◊	38.57		43.56	42.83	40.71	39.92										
Rooms occupied, % of total	66		70	76	77	79										
Foreign travel:																
U.S. citizens: Arrivals (quarterly), thousands																
Departures (quarterly), thousands	18,120	19,505		4,994			6,022			4,128	21,452	2,978				
Aliens: Arrivals (quarterly), thousands	17,603	19,022		5,237			5,562			4,335	21,157	2,959				
Departures (quarterly), thousands	15,099	16,908		4,156			5,300			4,091	21,180	2,876				
Passports issued, thousands	13,550	15,024		3,584			4,705			3,726	21,261	2,790				
National parks, recreation visits, thousands ##	3,691	3,689	397	385	351	284	213	228	196	174	237	198	268	351	335	329
	56,422	56,948	4,888	7,769	10,538	10,134	6,705	4,453	2,413	1,390	1,446	1,768	2,176	3,263	4,802	

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1961-88*

	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
TRANSPORTATION AND COMMUNICATION—Continued																
COMMUNICATION																
Telephone carriers:																
Operating revenues, mil. \$ #																
Station revenues, mil. \$																
Tolls, message, mil. \$																
Operating expenses (excluding taxes), mil. \$																
Net operating income (after taxes), mil. \$																
Access lines, millions																
CHEMICALS AND ALLIED PRODUCTS																
CHEMICALS																
Inorganic Chemicals																
<i>[Thousands of short tons, unless otherwise indicated]</i>																
Production:																
Aluminum sulfate, commercial (17% Al ₂ O ₃)	1,244	1,208	103	102	106	112	100	107	96	93					278	
Chlorine gas (100% Cl ₂)	11,413	10,943	907	904	955	922	919	926	903	958					2,795	
Hydrochloric acid (100% HCl)	3,177	2,341	199	194	178	169	164	195	191	196					668	
Phosphorus, elemental	353	356	29	28	28	29	29	31	31	28					90	
Sodium hydroxide (100% NaOH)	10,492	11,688	965	959	1,015	992	992	987	971	1,027					3,013	
Sodium silicate, anhydrous	873	879	58	75	59	75	77	79	78	74					216	
Sodium sulfate (100% Na ₂ SO ₄)	755	733	60	60	59	57	56	63	63	74					236	
Sodium tripolyphosphate (100% Na ₃ P ₃ O ₁₀)	580	532	45	35	50	47	53	44	46	43					132	
Titanium dioxide (composite and pure)	1,110	1,079	90	88	90	86	75	81	79	98					272	
Sulfur, native (Frasch) and recovered:																
Production, thous. metric tons	10,398	10,255	837	827	911	912	882	894	868	893	861	769			806	813
Stocks, end of period, thous. metric tons	1,302	1,422	1,102	1,152	1,177	1,191	1,287	1,381	1,371	1,422	1,489	1,521		1,581	1,474	1,425
Inorganic Fertilizer Materials																
<i>[Thousands of short tons, unless otherwise indicated]</i>																
Production:																
Ammonia, synthetic anhydrous ‡	16,362	16,958	1,439	1,341	1,399	1,395	1,334	1,418	1,427	1,471					4,292	
Ammonium nitrate, original solution ‡	7,871	7,107	618	568	492	495	520	566	602	610					1,768	
Ammonium sulfate ‡	2,347	2,495	232	190	208	214	205	191	193	214					558	
Nitric acid (100% HNO ₃) ‡	8,349	7,749	689	625	555	561	615	633	656	639					1,922	
Nitrogen solutions (100% N) ‡	2,913	2,853	254	236	205	206	223	235	238	265					805	
Phosphoric acid (100% P ₂ O ₅) ‡	11,737	12,175	1,026	956	1,048	1,033	1,029	1,037	1,037	1,063					3,041	
Sulfuric acid (100% H ₂ SO ₄) ‡	43,301	44,281	3,759	3,534	3,797	3,776	3,750	3,655	3,609	3,784					10,776	
Superphosphate and other phosphatic fertilizers (gross weight):																
Production	18,128	18,887	1,555	1,439	1,576	1,576	1,576	1,667	1,631	1,700					4,665	
Stocks, end of period	942	738	723	642	603	564	604	663	784	738					732	
Potash, sales (K ₂ O)	5,745	5,700	632	327	275	663	308	418	441	549	602	327		414	740	735
Imports:																
Ammonium nitrate, thous. metric tons	411															
Ammonium sulfate, thous. metric tons	307															
Potassium chloride, thous. metric tons	5,498															
Sodium nitrate, thous. metric tons	150															
Industrial Gases																
<i>[Millions of cubic feet]</i>																
Production:																
Acetylene	5,445	5,335	464	397	437	494	444	485	441	449	1,352					
Hydrogen (high and low purity)	207,806	187,929	15,583	16,550	16,947	16,646	14,956	14,157	14,972	15,266	36,252					
Nitrogen (high and low purity)	744,068	791,020	65,570	63,119	65,385	66,776	65,145	67,891	68,293	67,883	198,552					
Oxygen (high and low purity)	451,802	470,582	39,386	38,541	38,890	41,054	40,109	41,492	38,878	38,243	118,260					
Organic Chemicals §																
<i>[Thousands of metric tons, unless otherwise indicated]</i>																
Production:																
Acetylsalicylic acid (aspirin)	10.2	12.8		3.1			2.5			3.3					(?)	
Ethyl acetate	132.3	124.3		28.2			33.3			33.0					31.8	
Formaldehyde (37% HCHO)	2,673.2	2,908.5		748.7			730.9			738.5					644.2	
Glycerin, refined, all grades, mil. lb.	293.3	286.5	25.4	25.3	23.6	16.6	21.2	25.9	25.7	21.6					83.3	
Methanol, synthetic	3,704.5	3,622.2		992.7			952.8			923.7					839.8	
Phthalic anhydride	416.1	426.7		118.4			107.5			96.3					96.7	
ALCOHOL																
Ethyl alcohol and spirits:																
Production, mil. tax gal.	960.1		90.4	78.6	94.1	94.3	100.4									
Stocks, end of period, mil. tax gal.	54.3		44.1	42.5	50.1	41.3	37.3									
Denatured alcohol:																
Production, mil. wine gal.	514.3		46.2	48.7	48.8	55.5	50.1									
Consumption (withdrawals), mil. wine gal.	502.2		52.2	55.4	48.6	52.9	52.3									
For fuel use, mil. wine gal.	200.5		24.5	24.5	21.4	22.7	23.1									
Stocks, end of period, mil. wine gal.	24.5		13.6	9.7	9.6	11.9	11.5									

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1981-88*

	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June

CHEMICALS AND ALLIED PRODUCTS—Continued

PLASTICS AND RESIN MATERIALS																
<i>(Thousands of metric tons)</i>																
Production:																
Phenolic resins	2,833.6															
Polyethylene and copolymers	17,318.8	18,550.5		2,077.4				2,141.3							2,277.8	2,028.7
Polypropylene	3,039.3	3,524.7		840.0				981.1							874.6	822.0
Polystyrene and copolymers	3,591.4															
Polyvinyl chloride and copolymers	4,002.6	4,112.9		1,073.6				1,007.3							1,003.1	941.7
PAINTS, VARNISH, AND LACQUER ‡																
<i>(Millions of dollars)</i>																
Total shipments	11,321.2	11,608.9	1,076.3	1,077.2	1,032.7	1,084.3	950.6	1,032.4	843.6	721.9						2,467.8
Architectural coatings	4,713.6	4,901.2	469.4	469.0	465.7	471.7	389.7	402.5	334.9	303.4						1,000.3
Product coatings (OEM)	4,236.9	4,083.1	370.9	359.0	323.1	365.4	348.6	391.5	320.7	264.9						953.6
Special purpose coatings	2,370.7	2,624.7	235.9	249.2	243.9	247.1	212.3	238.4	188.1	153.6						514.0

ELECTRIC POWER AND GAS

ELECTRIC POWER																
<i>(Millions of kilowatt-hours, unless otherwise indicated)</i>																
Production:																
Electric utilities, total	2,784,304	2,807,058	222,908	248,935	266,228	268,483	237,869	224,794	213,596	237,257	247,984	210,496	221,117			
By fuels	2,519,241	2,527,219	165,907	221,314	242,570	247,435	220,889	206,188	193,603	213,305	222,314	188,579	185,237			
By waterpower	265,063	279,839	27,001	27,621	23,658	21,048	16,971	18,605	19,993	23,952	25,671	21,918	25,820			
Sales to ultimate customers, total (Edison Electric Institute) ...																
Commercial §	718,014	722,375		177,148			207,157			178,287			177,096			178,096
Industrial §	905,225	907,925		227,655			239,405			229,732			219,440			219,440
Railways and railroads	5,307	5,335		1,271			1,304			1,374			1,436			1,436
Residential or domestic	899,573	897,937		199,176			260,423			213,085			242,236			242,236
Street and highway lighting	14,548	14,731		3,456			3,518			3,954			4,147			4,147
Other public authorities	69,259	71,084		17,747			18,323			17,739			16,224			16,224
Interdepartmental	4,324	4,346		1,097			967			931			609			609
Revenue from sales to ultimate customers (Edison Electric Institute), mil. \$	169,117	170,583		40,713			50,793			42,059			43,315			
GAS ¶																
Total utility gas, quarterly (American Gas Association):																
Customers, end of period, total, thousands @																
Residential																
Commercial																
Industrial @																
Other																
Sales to customers, total, tril. Btu																
Residential																
Commercial																
Industrial																
Electric generation																
Other																
Revenue from sales to customers, total, mil. \$																
Residential																
Commercial																
Industrial																
Electric generation																
Other																

FOOD AND KINDRED PRODUCTS; TOBACCO

ALCOHOLIC BEVERAGES																
Beer:																
Production, mil. bbl.	199.14	203.63	18.10	18.58	18.24	18.96	16.08	16.62	15.44	13.97	16.27	15.17	16.08	17.23		
Taxable withdrawals, mil. bbl.	179.50	185.56	16.91	16.89	17.00	17.40	14.75	15.77	14.54	13.22	13.80	13.11	14.40	14.82		
Stocks, end of period, mil. bbl.	14.60	12.67	14.91	14.98	14.57	14.24	13.06	13.87	13.34	12.67	13.54	14.11	14.15	15.01		
Distilled spirits (total):																
Production, mil. tax gal.	112.89		10.01	8.14	5.25	4.10	9.68									
Consumption, apparent, for beverage purposes, mil. wine gal.	371.46	374.41	30.81	31.83	29.81	29.39	27.26	31.10	36.71	48.14						
Stocks, end of period, mil. tax gal.	426.67		435.14	435.06	428.40	425.01	413.71									
Imports, mil. proof liters	368.54															
Whisky:																
Production, mil. tax gal.	77.88		10.01	5.83	3.03	2.91	5.84									
Stocks, end of period, mil. tax gal.	368.85		378.71	378.58	374.97	371.63	365.00									
Imports, mil. proof liters	223.97															
Wines and distilling materials:																
Effervescent wines:																
Production, mil. wine gal.	29.57		1.56	1.55	2.33	3.68	2.26	2.88	2.85	1.79						
Taxable withdrawals, mil. wine gal.	26.83		1.83	1.64	1.27	2.20	2.73	4.54	4.25	2.29						
Stocks, end of period, mil. wine gal.	15.84		16.75	19.50	19.83	21.91	22.18	19.77	18.30	17.59						
Imports, mil. liters	54.96															
Still wines:																
Production, mil. wine gal.	410.04		5.60	3.06	5.58	31.03	183.44	-110.18	42.25	18.63						
Taxable withdrawals, mil. wine gal.	411.23		38.42	39.08	32.76	33.14	32.38	34.99	35.00	38.43						
Stocks, end of period, mil. wine gal.	582.16		572.32	429.97	412.27	436.40	542.55	578.33	575.84	576.36						
Imports, mil. liters	242.05															
Distilling materials produced at wineries, mil. wine gal.	114.11		3.56	4.48	2.00	16.08	22.42	29.53	12.23	5.21						

See footnotes at end of tables.

	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
	FOOD AND KINDRED PRODUCTS; TOBACCO—Continued															
DAIRY PRODUCTS																
Butter:																
Production (factory), mil. lb.	1,295.4	1,302.2	118.6	96.7	84.6	84.2	83.4	106.7	110.1	121.2	142.1	126.3	131.6	133.7	126.0	
Stocks, cold storage, end of period, mil. lb.	256.2	416.1	399.6	420.0	420.8	427.9	412.3	413.6	407.6	416.1	470.8	524.8	555.9	*619.8	642.3	
Producer Price Index, 1982=100	88.0	71.3	67.2	68.4	70.8	70.1	70.5	70.5	70.6	70.6	67.0	*67.0	68.2	67.5	67.3	67.8
Cheese:																
Production (factory), total, mil. lb.	5,615.4	6,061.2	542.8	522.8	502.2	495.0	472.6	505.9	495.5	522.1	501.7	458.0	521.4	500.7	516.0	
American, whole milk, mil. lb.	2,674.1	2,890.8	261.2	250.6	241.0	233.3	214.8	232.7	233.6	248.2	247.1	222.4	250.0	236.9	247.5	
Stocks, cold storage, end of period, mil. lb.	328.0	457.8	441.6	465.0	484.6	475.7	459.9	445.4	437.3	457.8	473.8	450.0	486.4	*509.3	516.6	
American, whole milk, mil. lb.	234.8	347.2	322.1	335.9	360.6	358.8	348.7	338.3	334.4	347.2	360.8	342.6	380.2	*402.4	411.1	
Imports, thous. metric tons	*126.6															
Price, wholesale, cheddar, single daisies (Chicago), \$ per lb.																
Condensed and evaporated milk:																
Production, case goods, mil. lb.	525.1	602.6	52.7	56.3	52.0	49.5	43.5	52.0	50.2	46.2	45.1	46.9	47.2	50.6	46.5	
Stocks, manufacturers', case goods, end of period, mil. lb.	26.6	58.1	88.9	97.3	101.1	104.5	101.9	84.2	71.7	58.1	73.9	84.5	86.0	90.6	107.1	
Exports, thous. metric tons	*13.8															
Fluid milk:																
Production on farms, mil. lb. †	122,531	125,714	11,252	10,719	10,691	10,476	9,973	10,223	9,998	10,467	10,663	9,948	*11,097	10,906	11,238	
Utilization in manufactured dairy products, mil. lb.	85,714	89,998	8,323	7,848	7,515	7,322	6,729	7,242	7,033	7,369	7,755	7,190	8,069	8,107		
Price, wholesale, U.S. average, \$ per 100 lb.	*13.56	*13.73	13.50	13.80	*14.00	*14.20	*13.90	*13.10	*12.70	*11.70	11.70	11.70	11.40	13.00	*11.40	*11.40
Dry milk:																
Production:																
Dry whole milk, mil. lb.	175.8	175.1	14.4	15.9	14.2	13.0	12.2	12.5	11.8	8.9	8.6	8.3	8.3	9.3	7.1	
Nonfat dry milk (human food), mil. lb.	874.7	876.8	93.4	87.7	75.6	62.3	52.2	54.9	68.7	81.2	82.6	77.9	87.6	95.1	101.4	
Stocks, manufacturers', end of period:																
Dry whole milk, mil. lb.	13.0	11.2	16.0	16.5	14.9	12.2	13.9	11.6	11.3	11.2	11.2	9.5	9.8	10.4	10.8	
Nonfat dry milk (human food), mil. lb.	49.4	114.6	70.3	92.6	107.8	122.6	115.3	115.1	114.8	114.6	114.6	95.5	88.9	84.4	74.4	
Exports, whole and nonfat (human food), thous. metric tons ..	*157.1															
Price, manufacturers' average selling, nonfat dry milk (human food), \$ per lb. ....	.993	.948	1.072	1.118	1.087	1.063	.910	.883	.863	.855	.855	.849	.846	.850	.854	
GRAIN AND GRAIN PRODUCTS																
Exports (barley, corn, oats, rye, wheat), mil. bu.	(²)															
Barley:																
Production (crop estimate), mil. metric tons	*8,800	*9,119														
Stocks (domestic), end of period, total, mil. metric tons	*7,634	*6,656	*3,501			8,945			6,656			*4,592			*2,958	
On farms, mil. metric tons	*4,059	*3,841	*1,058			5,626			3,841			*2,065			*1,067	
Off farms, mil. metric tons	*3,574	*2,816	*2,443			3,319			2,816			*2,527			*1,891	
Exports, including malt, thous. metric tons	*1,841.8															
Producer Price Index, No. 2 feed, Minneapolis, 1982=100	117.9	117.0	121.7	126.9	118.1	104.5	101.3	110.2	113.9	107.1	108.7	112.8	112.8	110.7	112.3	107.1
Corn:																
Production (crop estimate, grain only), mil. metric tons	*2,191.16	*2,201.51														
Stocks (domestic), end of period, total, mil. metric tons	*7,179.89	*7,176.29	*7,722			34.15			176.29			*121.65			*76.00	
On farms, mil. metric tons	*7,119.36	*7,123.80	*4,412.24			19.17			123.80			77.84			*44.58	
Off farms, mil. metric tons	*60.54	*52.49	*30.98			14.98			52.49			43.80			*31.42	
Exports, including meal and flour, mil. metric tons	*56.66															
Producer Price Index, No. 2, Chicago, 1982=100	102.4	100.9	113.5	116.4	112.6	100.2	94.9	90.8	89.9	93.4	93.7	95.3	101.9	102.0	98.4	95.3
Oats:																
Production (crop estimate), mil. metric tons	*5,423	*5,184														
Stocks (domestic), end of period, total, mil. metric tons	*1,427	*2,278	*2,278												*2,484	
On farms, mil. metric tons	*870	*1,203	*1,203												*1,341	
Off farms, mil. metric tons	*557	*1,075	*1,075												*1,143	
Exports, including oatmeal, metric tons	*58,387															
Producer Price Index, No. 2, Minneapolis, 1982=100	107.1	76.1	88.2	81.9	74.0	66.0	64.5	68.4	67.6	68.2	63.9	63.4	68.7	69.7	71.6	68.2
Rice:																
Production (crop estimate), mil. metric tons	*7,007	*7,027														
Southern States mills:																
Receipts, rough, from producers, mil. lb.	12,918	10,351	345	235	243	555	2,401	2,150	828	677	641					
Shipments from mills, milled rice, mil. lb.	8,061	6,942	496	490	433	510	616	785	557	586	725					
Stocks, domestic, rough and cleaned (cleaned basis), end of period, mil. lb.	2,741	2,106	1,285	1,107	810	697	1,618	2,276	2,271	2,106	1,857					
Exports, thous. metric tons	*3,024															
Producer Price Index, medium grain, milled, 1982=100	107.9	102.4	106.6	104.0	103.9	104.0	97.6	94.0	94.2	94.2	96.1	105.8	110.3	113.1	116.4	117.1
Rye:																
Production (crop estimate), mil. metric tons	*2,347	*2,256														
Producer Price Index, No. 2, Minneapolis, 1982=100	69.1	66.5	68.9	68.1	62.1	65.9	64.5	63.0	65.2	65.9	74.7	71.8		71.8	68.9	
Wheat:																
Production (crop estimate), total, mil. metric tons	*25,433	*27,453														
Spring wheat, mil. metric tons	*15,841	*19,119														
Winter wheat, mil. metric tons	*9,592	*8,334														
Distribution, quarterly, mil. metric tons @	64.04		13.82													
Stocks (domestic), end of period, total, mil. metric tons	*7,387.1	*51.93	*14.60			65.58			51.93			*37.99			*23.56	
On farms, mil. metric tons	*16.11	*20.77	*5.78			27.22			20.77			14.50			*9.29	
Off farms, mil. metric tons	*722.60	*31.16	*8.82			38.36			31.16			*23.49			*14.28	
Exports, total, including flour, mil. metric tons	*37.87															
Wheat only, mil. bu.	(²)															

See footnotes at end of tables.

	Annual		1990									1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	
FOOD AND KINDRED PRODUCTS; TOBACCO—Continued																	
GRAIN AND GRAIN PRODUCTS—Continued																	
Wheat—Continued																	
Producer Price Indexes:																	
Hard red winter, No. 1, ord. protein (K.C.), 1982=100	109.1	86.3	94.3	95.4	78.1	71.8	71.8	71.9	70.4	70.1	65.6	68.2	74.3	73.2	76.4	75.2	
Hard red spring, No. 1, ord. protein (Minn.), 1982=100	108.7	91.1	103.7	102.2	93.7	77.6	75.7	75.3	73.8	73.8	71.5	73.7	77.7	79.1	80.5	79.0	
Wheat flour:																	
Production:																	
Flour, thous. sacks (100 lb.)	342,762	359,639	27,634	26,719	27,711	33,381	29,833	33,171	33,034	28,660	29,594	29,304	25,464				
Millfeed, thous. sh. tons	6,072	6,255	492	468	485	565	512	573	565	490,418	517,455	491,961	485,908				
Grindings of wheat, thous. bu.	761,021	797,589	63,566	60,572	62,258	74,373	67,093	74,690	73,463	64,043	66,730	65,634	61,216				
Stocks held by mills, end of period, thous. sacks (100 lb.)	6,288	8,051		7,695			7,980			8,051							
Exports, thous. metric tons	1,195.53																
Producer Price Index, 6/83=100	110.5	100.2	107.9	106.0	99.7	93.4	92.0	91.2	89.4	89.8	88.7	90.2	92.3	93.6	93.9	93.4	
POULTRY AND EGGS																	
Poultry:																	
Slaughter, mil. lb.																	
22,144	23,669	2,079	1,951	1,963	2,186	1,836	2,300	2,054	1,794	2,108	1,854	1,895	2,120	2,150			
Stocks, cold storage (frozen), end of period, total, mil. lb.																	
469	562	667	752	800	846	855	862	582	562	551	606	633	688	749			
Turkeys, mil. lb.																	
236	306	406	481	542	593	624	625	338	306	301	339	366	406	448			
Price, in Georgia producing area, live broilers, \$ per lb.																	
.350	.310	.340	.335	.355	.315	.325	.270	.265	.270	.290	.280	.295	.280	.300	.305		
Eggs:																	
Production on farms, mil. cases \$																	
186.8	188.4	13.3	15.4	15.9	15.9	15.4	16.0	15.9	16.3	16.1	14.7	16.3	15.5	13.1			
Stocks, cold storage, end of period:																	
Shell, thous. cases \$																	
12	15	21	22	29	19	18	11	16	15	17	9	14	12	15			
Frozen, mil. lb.																	
14	15	17	18	17	17	16	17	15	15	15	14	14	13	13			
Price, wholesale, large (delivered; Chicago), \$ per doz																	
.777	.760	.603	.669	.642	.739	.754	.800	.800	.831	.860	.720	.858	676.000	609.000	634.000		
LIVESTOCK																	
Cattle and calves:																	
Slaughter (federally inspected):																	
Calves, thous. animals																	
2,100	1,742	137	131	139	147	132	158	149	136	151	121	120	106	103			
Cattle, thous. animals																	
33,010	32,391	2,920	2,873	2,796	2,918	2,553	2,877	2,622	2,380	2,808	2,407	2,443	2,673	2,785			
Prices, wholesale:																	
Beef steers (Omaha), \$ per 100 lb.																	
72.52		77.57	75.63	74.46	76.22	75.75											
Steers, stocker and feeder (Kansas City), \$ per 100 lb.																	
81.45		91.90	94.74	93.50	92.30	91.50											
Calves, vealers (So. St. Paul), dollars																	
248.62																	
Hogs:																	
Slaughter (federally inspected), thous. animals																	
86,328	82,901	6,799	6,153	5,983	7,110	6,716	7,546	7,334	7,140	7,461	6,469	7,044	7,320	6,948			
Prices:																	
Wholesale, average, all weights (Sioux City), \$ per 100 lb.																	
43.91		62.80	61.34	62.54	56.37	55.64											
Hog-corn price ratio (bu. of corn equal in value to 100 lb. live hog)																	
17.3	22.5	23.4	22.9	23.2	22.3	23.4	25.9	23.2	21.2	22.0	22.5	21.5	21.0	22.7	23.2		
Sheep and lambs:																	
Slaughter (federally inspected), thous. animals																	
5,295	5,469	465	426	430	463	422	490	465	449	495	449	546	436	443			
Price, wholesale, lambs, avg. (San Angelo, TX), \$ per 100 lb. *																	
66.06		53.70	48.00			52.00											
MEATS																	
Total meats (excluding lard):																	
Production, mil. lb.																	
39,418	38,606	3,321	3,175	3,101	3,430	3,065	3,498	3,273	3,080	3,427	2,954	3,083	3,285	3,291			
Stocks, cold storage, end of period, mil. lb.																	
535	566	629	591	565	507	507	537	535	566	585	590	602	645	614			
Exports (meats and meat preparations), thous. metric tons																	
1,301																	
Imports (meats and meat preparations), thous. metric tons																	
1,110																	
Beef and veal:																	
Production, total, mil. lb.																	
23,319	22,950	2,032	2,006	1,970	2,091	1,841	2,075	1,870	1,708	1,999	1,720	1,746	1,895	1,971			
Stocks, cold storage, end of period, mil. lb.																	
256	306	275	262	271	247	249	273	283	306	308	277	283	272	240			
Exports, thous. metric tons																	
568																	
Imports, thous. metric tons																	
682																	
Price, wholesale, beef, fresh steer carcasses, choice (600-700 lbs.)(Central U.S.), \$ per lb.																	
1.078		1.143	1.122														
Lamb and mutton:																	
Production, total, mil. lb.																	
342	357	31	27	27	30	27	32	30	30	33	30	36	29	30			
Stocks, cold storage, end of period, mil. lb.																	
8	8	8	10	10	9	9	8	8	8	9	10	8	7	9			
Pork (excluding lard):																	
Production, total, mil. lb.																	
15,757	15,299	1,257	1,142	1,103	1,310	1,228	1,392	1,373	1,342	1,396	1,204	1,301	1,361	1,291			
Stocks, cold storage, end of period, mil. lb.																	
256	234	320	293	256	225	226	232	221	234	248	261	289	341	337			
Exports, thous. metric tons																	
152																	
Imports, thous. metric tons																	
358																	
Prices:																	
Producer Price Index, hams and picnics, except canned, 12/83=100 *																	
99.7		112.8	116.4	119.9	123.5	122.2	129.6	133.3	130.7								
Fresh loins, 8-14 lb. average, wholesale (Omaha), \$ per lb. *																	
1.0111		1.3606	1.2562	1.4414	1.2494	1.2163											
MISCELLANEOUS FOOD PRODUCTS																	
Cocoa (cacao) beans, imports (including shells), thous. metric tons																	
266.1																	
Coffee:																	
Imports, total, metric tons																	
1,162,920																	
From Brazil, metric tons																	
249,295																	
U.S. Import Price Index, 1985=100																	
69.2	59.3		57.8			63.1				57.1		57.7				54.9	
Fish:																	
Stocks, cold storage, end of period, mil. lb.																	
430	343	327	337	334	347	369	356	351	343	314	290	267	274				

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1967-88*

	Annual		1990									1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	
FOOD AND KINDRED PRODUCTS; TOBACCO—Continued																	
MISCELLANEOUS FOOD PRODUCTS—Continued																	
Sugar:																	
Exports, raw and refined, <i>metric tons</i>	*412,044																
Imports, raw and refined, <i>thous. metric tons</i>	*1,542																
Producer Price Indexes:																	
Raw (cane), 1982=100	115.5	119.2	119.7	119.3	119.6	119.6	119.3	119.8	119.5	117.9	115.6	*113.1	113.4	113.1	112.9	113.3	
Refined, 1982=100	118.2	122.7	122.5	122.8	123.2	122.6	123.1	123.0	122.7	122.4	123.1	*123.2	122.5	122.1	121.1	121.0	
Tea, imports, <i>metric tons</i>	*85,257																
TOBACCO																	
Leaf:																	
Production (crop estimate), <i>mil. lb.</i>	¹ 1,367	¹ 1,607															
Stocks, dealers' and manufacturers', end of period, <i>mil. lb.</i>	3,803	3,674		3,247				3,463			3,674			3,458			
Exports, incl. scrap and stems, <i>metric tons</i>	*224,382																
Imports, incl. scrap and stems, <i>metric tons</i>	*180,286																
Manufactured products:																	
Consumption (withdrawals):																	
Cigarettes (small):																	
Tax-exempt, <i>millions</i>	147,495		14,229	14,366	11,909	15,286	12,778	19,419									
Taxable, <i>millions</i>	561,021		47,205	45,897	39,790	48,893	43,267	44,009									
Cigars (large), taxable, <i>millions</i>	2,365		205	222	164	211	195										
Exports, cigarettes, <i>millions</i>	*41,755																
LEATHER AND PRODUCTS																	
LEATHER																	
Exports:																	
Upper and lining leather, <i>thous. sq. ft.</i>	170.4	177.6	181.2	179.6	179.0	177.3	176.5	175.4	174.9	174.7	174.3	*173.7	173.1	172.7	172.8	172.0	
Producer Price Index, leather, 1982=100																	
LEATHER MANUFACTURES																	
Footwear:																	
Production, total, <i>thous. pairs</i>	210,490	201,648	18,918	16,734	14,274	18,844	16,531	18,221	15,359	12,596						*47,787	
Shoes, sandals, and play shoes, except athletic, <i>thous. pairs</i>			12,676	11,019	10,357	13,177	11,319	(⁵)	10,381	8,808						*32,010	
Slippers, <i>thous. pairs</i>	57,534	41,184	4,050	3,440	2,183	3,514	3,616	3,694	3,208	1,946						*9,235	
Athletic, <i>thous. pairs</i>			2,192	2,275	1,734	2,153	1,640	(⁵)	1,770	1,842						*6,542	
Other footwear, <i>thous. pairs</i>	3,680	3,405	381	337	156	291	309	(⁵)	261	291						*898	
Exports, <i>thous. pairs</i>																	
Producer Price Indexes:																	
Men's leather upper, dress and casual, 1982=100	127.5	135.8	136.4	134.3	134.4	135.7	135.7	137.3	137.3	138.0	138.3	*140.3	140.3	141.2	141.5	141.4	
Women's leather upper, 1982=100	116.2	120.9	121.3	121.3	121.3	121.5	121.4	121.7	121.9	121.9	121.3	122.3	123.9	124.1	124.1	124.2	
Women's plastic upper, 1982=100	110.0	113.4	114.3	114.3	113.4	113.2	113.9	113.9	110.9	110.7	110.7	110.7	113.5	111.4	114.9	116.6	
LUMBER AND PRODUCTS																	
LUMBER—ALL TYPES #																	
<i>[Millions of board feet, unless otherwise indicated]</i>																	
National Forest Products Association:																	
Production, total	² 58,749	² 54,638	4,084	3,944	3,976	4,060	3,602	4,015	3,412	2,914	3,534	3,410	*3,661	3,930			
Hardwoods	² 10,889	² 9,480	936	839	870	1,025	886	961	857	736	851	810	838	880			
Softwoods	² 47,880	² 45,159	3,148	3,105	3,106	3,035	2,716	3,054	2,555	2,178	2,683	2,600	*2,823	3,050			
Shipments, total	² 49,003	² 46,083	3,952	4,176	3,912	3,987	3,453	3,690	3,357	2,873	3,240	3,301	*3,617	4,009			
Hardwoods	² 11,347	² 10,102	887	871	754	928	794	846	789	624	755	711	791	855			
Softwoods	² 37,656	² 35,981	3,065	3,305	3,158	3,059	2,659	3,044	2,568	2,249	2,485	2,590	*2,826	3,154			
Stocks (gross), mill, end of period, total																	
Hardwoods																	
Softwoods	4,898	4,734	5,043	4,831	4,783	4,752	4,810	4,834	4,809	4,734	4,925	4,949	4,946	4,849			
Exports, total sawmill products																	
Imports, total sawmill products, <i>thous. cubic meters</i>	*64,355																
SOFTWOODS																	
<i>[Millions of board feet, unless otherwise indicated]</i>																	
Douglas fir:																	
Orders, new	9,552	9,032	783	875	704	609	736	695	615	565	633	664	856	893	823		
Orders, unfilled, end of period	501	452	537	559	546	420	473	431	432	452	437	434	560	612	590		
Production	9,820	8,978	795	780	707	734	680	722	605	496	689	673	741	824	756		
Shipments	9,687	9,081	773	855	717	735	683	737	614	545	648	687	730	841	845		
Stocks (gross), mill, end of period	809	716	862	803	793	792	789	774	765	716	757	463	774	757	688		
Exports, total sawmill products, <i>thous. cubic meters</i>	*2,781																
Sawed timber, <i>thous. cubic meters</i>	*335																
Boards, planks, scantlings, etc., <i>thous. cubic meters</i>	*2,450																
Producer Price Index, Douglas fir, dressed, 1982=100	151.6	138.0	141.8	137.4	143.2	139.9	136.1	126.8	125.3	127.8	129.4	*128.0	125.0	130.4	147.6	173.3	

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1961-88*

	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
LUMBER AND PRODUCTS—Continued																
SOFTWOODS—Continued																
<i>(Millions of board feet, unless otherwise indicated)</i>																
Southern pine:																
Orders, new	12,366	12,705	1,015	1,233	1,251	1,024	881	1,181	890	859	855	979	1,147	1,034		
Orders, unfilled, end of period	635	692	685	739	733	670	643	687	653	692	665	677	756	696		
Production	12,544	12,787	1,091	1,142	1,239	1,114	990	1,147	947	867	950	924	1,024	1,076		
Shipments	12,567	12,646	1,037	1,176	1,264	1,092	901	1,136	929	815	892	961	1,065	1,098		
Stocks (gross), mill and concentration yards, end of period	2,050	2,190	2,058	2,027	2,006	2,021	2,111	2,135	2,143	2,190	2,242	2,219	2,177	2,164		
Exports, total sawmill products, cubic meters	21,206,526															
Producer Price Index, southern pine, dressed, 1982=100	108.0	111.0	119.5	116.0	116.3	114.0	110.5	104.0	104.7	102.8	103.9	100.3	103.5	109.8	110.7	123.0
Western pine:																
Orders, new	11,143	10,600	859	1,004	817	885	776	874	713	693	702	712	836	918	935	
Orders, unfilled, end of period	506	483	535	582	531	506	502	510	454	483	472	470	548	582	650	
Production	11,229	10,414	922	876	852	876	756	869	749	609	761	740	785	845	824	
Shipments	11,174	10,623	915	957	868	910	780	866	769	664	713	714	758	884	867	
Stocks (gross), mill, end of period	1,402	1,155	1,437	1,302	1,285	1,251	1,227	1,230	1,210	1,155	1,203	1,229	1,256	1,217	1,174	
Producer Price Index, other softwood, dressed, 1982=100	127.1	126.3	131.3	129.0	127.7	125.7	125.5	120.9	119.8	119.0	119.6	119.5	122.1	125.6	132.4	145.6
HARDWOOD FLOORING																
<i>(Millions of board feet)</i>																
Oak:																
Orders, unfilled, end of period	9.5	8.3	16.5	15.4	15.5	13.0	11.9	8.2	9.2	8.3	8.2	8.1	9.5	9.7	10.7	9.8
Shipments	206.5	205.3	18.7	18.5	15.4	19.2	18.7	17.1	15.2	14.2	14.3	15.1	18.7	17.1	16.4	17.9
Stocks (gross), mill, end of period	7.6	10.0	7.1	7.4	7.2	7.9	7.9	9.3	9.6	10.0	12.2	11.4	10.0	9.8	11.1	10.9

METALS AND MANUFACTURES

IRON AND STEEL																
<i>(Thousands of short tons)</i>																
Exports:																
Steel mill products	4,578	4,303	352	318	302	269	344	425	494	412	439	486	368	595	598	
Scrap	13,305	12,765	1,193	1,164	1,086	1,032	792	1,232	868	826	732	851	863	862	1,252	
Pig iron	12	16	(¹)	3	3	(²)	2	1	1	1	1	1	1	1	(³)	
Imports:																
Steel mill products	17,321	17,162	1,456	1,466	1,591	1,629	1,381	1,513	1,598	1,552	1,655	1,291	1,231	1,571	1,367	
Scrap	1,120	1,424	118	145	118	130	88	170	162	160	81	92	87	83	102	
Pig iron	488	383	58	9	25	65	20	31	52	28	56	70	48	56	11	
Iron and Steel Scrap																
<i>(Thousands of metric tons, unless otherwise indicated)</i>																
Production	23,091	23,083	2,028	2,005	1,828	1,942	1,943	1,940	1,821	1,636	1,801	1,599				
Receipts, net	42,394	39,624	3,436	3,758	3,237	3,406	3,266	3,454	3,251	2,828	2,974	2,815				
Consumption	66,320	63,705	5,635	5,775	5,081	5,437	5,259	5,340	5,050	4,614	4,947	4,470				
Stocks, end of period	4,191	3,989	3,704	3,700	3,742	3,747	3,784	3,789	3,978	3,989	3,999	3,979				
Composite price, No. 1 heavy melting scrap:																
American Metal Market, \$ per metric ton	105.61	105.46	109.18	105.95	104.03	112.52	110.81	108.88	105.63	103.17	101.62	99.08	96.94	96.68	92.02	86.53
Ore																
<i>(Thousands of metric tons)</i>																
Iron ore (operations in all U.S. districts):																
Mine production	59,032	55,468	5,067	5,333	5,777	4,274	4,235	4,069	3,677	4,646	4,451	4,274	4,135	4,754		
Shipments from mines	58,299	55,266	6,299	6,162	6,849	5,273	5,053	5,140	4,540	5,452	2,269	1,585	1,897	5,264		
Imports	19,596	18,054	1,550	1,743	2,144	1,669	1,848	2,010	2,075	1,350	698	397	503			
U.S. and foreign ores and ore agglomerates:																
Receipts at iron and steel plants	71,156	73,797	7,095	7,490	8,205	8,163	7,080	7,521	6,923	6,347	3,220	1,831	2,615	5,096	6,380	
Consumption at iron and steel plants	73,059	73,681	6,315	6,390	6,573	6,867	6,200	6,353	6,075	5,436	5,296	4,475	5,296	4,830	5,083	
Exports (domestic)	5,365	3,199	586	662	585	168	21	85	151	24	11	2	1			
Stocks, total, end of period	22,476	22,978	20,501	21,019	21,863	22,110	22,268	22,027	22,042	22,978	22,572	22,218	21,316	20,757		
At mines	4,575	4,795	11,206	10,377	9,287	8,277	7,461	6,398	5,535	4,795	6,493	9,182	11,421	10,910		
At furnace yards	15,730	15,910	8,091	9,234	10,748	12,045	12,929	14,116	14,969	15,910	13,820	11,174	8,493	8,749	10,067	
At U.S. docks	2,171	2,273	1,204	1,408	1,828	1,788	1,878	1,513	1,538	2,273	2,259	1,862	1,402	1,098	1,611	
Manganese (manganese content), general imports																
Pig Iron and Iron Products																
<i>(Thousands of short tons, unless otherwise indicated)</i>																
Pig iron:																
Production (including production of ferroalloys)	55,873	54,925	4,746	4,530	4,656	4,788	4,629	4,673	4,523	4,264	4,077	3,470	4,047	3,830	3,885	3,830
Consumption, thous. metric tons	51,106	50,019	4,325	4,247	4,218	4,344	4,200	4,305	4,120	3,807	3,808	3,355				
Stocks, end of period, thous. metric tons	275	130	197	193	209	187	180	176	165	130	149	125				
Castings, gray and ductile iron:																
Shipments, total	7,490															
For sale	5,323															
Castings, malleable iron:																
Shipments, total	283															
For sale	129															

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1961-88*

	Annual		1990									1991				
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
METALS AND MANUFACTURES—Continued																
Steel, Raw and Semifinished																
<i>(Thousands of short tons, unless otherwise specified)</i>																
Steel (raw):																
Production	197,943	98,015	8,529	8,142	8,101	8,452	8,094	8,424	8,021	7,422	7,577	6,705	7,283	7,089	7,076	7,017
Rate of capability utilization, percent	84.5	84.0	85.7	84.5	82.0	85.5	84.6	85.1	83.8	75.0	74.6	73.1	71.7	72.5	70.0	71.7
Steel castings:																
Shipments, total	1,137															
For sale, total	1,122															
Steel Mill Products																
<i>(Thousands of short tons)</i>																
Steel products, net shipments:																
Total (all grades)	84,100	84,981	7,523	7,493	6,890	7,366	6,893	7,643	6,937	6,187	6,786	6,039	5,966	6,450	6,762	
By product:																
Semifinished products	6,236	6,313	538	561	479	488	486	548	546	446	533	550	527	550	595	
Structural shapes (heavy), steel piling	5,355	6,093	500	526	520	557	517	532	494	474	506	470	452	465	469	
Plates	7,384	7,945	718	708	657	694	630	660	680	586	675	551	548	590	618	
Rails and accessories	562	519	39	40	32	34	35	46	44	37	44	52	58	52	41	
Bars and tool steel, total	14,171	14,727	1,351	1,322	1,256	1,284	1,232	1,314	1,199	1,006	1,107	1,051	979	1,111	1,110	
Bars: Hot rolled (including light shapes)	7,617	7,878	738	696	704	713	692	739	682	562	680	586	540	603	572	
Bars: Reinforcing	5,015	5,305	465	488	433	439	420	438	398	355	317	349	329	392	425	
Bars: Cold finished	1,472	1,486	142	133	115	127	116	132	114	85	125	112	107	111	110	
Pipe and tubing	4,011	4,652	411	427	364	424	373	452	386	368	414	388	424	411	428	
Wire-drawn and/or rolled	1,002	918	86	82	73	78	71	79	62	51	69	67	75	82	77	
Tin mill products	4,126	4,032	366	342	341	368	321	360	315	406	335	292	298	342	365	
Sheets and strip (including electrical), total	41,261	39,784	3,514	3,485	3,166	3,439	3,229	3,653	3,212	2,813	3,105	2,608	2,605	2,846	3,059	
Sheets: Hot rolled	12,899	13,388	1,104	1,093	1,100	1,165	1,080	1,197	1,068	1,018	1,151	917	986	974	1,113	
Sheets: Cold rolled	13,854	13,199	1,187	1,183	1,051	1,129	1,049	1,218	1,099	952	980	839	791	922	936	
By market (quarterly):																
Service centers and distributors	18,185	18,250		4,678			4,627			4,424			4,091	² 1,309	² 1,393	
Construction, incl. maintenance	6,861	7,391		1,920			1,843			1,836			1,629	² 549	² 574	
Contractors' products	2,863	2,793		729			686			703			539	² 167	² 191	
Automotive	11,180	10,444		2,898			2,644			2,337			2,047	² 752	² 823	
Rail transportation	1,096	901		225			222			203			261	² 86	² 71	
Machinery, industrial equipment, tools	2,162	2,104		551			490			467			481	² 151	² 142	
Containers, packaging, ship. materials	4,458	4,474		1,156			1,135			1,183			1,009	² 380	² 381	
Other	37,488	38,378		9,910			9,511			9,594			8,701	² 3,057	² 3,186	
<i>(Millions of short tons)</i>																
Producing steel mills, inventory, end of period:																
Total	12.9	14.4	13.0	13.0	13.3	13.7	14.2	13.8	14.0	14.4	14.0	14.1	14.2	14.2		
Steel in process	7.8	8.6	7.9	8.0	8.1	8.3	8.6	8.3	8.2	8.6	8.3	8.4	8.7	8.9		
Finished steel	5.1	5.8	5.1	5.0	5.2	5.4	5.6	5.5	5.8	5.8	5.7	5.7	5.5	5.3		
Steel service centers (warehouses), inventory, end of period	6.9	6.7	6.2	6.2	6.2	6.1	6.5	6.4	6.5	6.7	6.7	6.9	6.6	6.4		
NONFERROUS METALS AND PRODUCTS																
<i>(Thousands of metric tons, unless otherwise specified)</i>																
Aluminum:																
Production, primary (dom. and foreign ores)	4,030	4,048	342	330	340	341	332	347	337	347	349	317	352	340		
Recovery from scrap	2,054	1,915	161	159	174	183	160	172	155	152	174	155	180	196		
Imports:																
Metal and alloys, crude	³ 923.0	959.6	90.4	94.0	102.6	82.1	76.4	66.8	68.7	60.6	79.5	79.4	84.3			
Plates, sheets, bars, etc.	³ 340.2	340.3	29.0	28.0	27.3	28.5	28.3	30.9	30.6	23.1	23.9	23.3	23.2			
Exports:																
Metal and alloys, crude	² 593.0	682.5	41.4	48.6	41.5	39.0	53.6	59.6	62.2	76.0	61.1	54.8	46.7			
Plates, sheets, bars, etc.	² 446.1	437.7	40.0	40.9	34.9	39.5	36.7	39.7	33.8	24.9	34.8	35.5	38.1			
Price, U.S. market, 99.7% purity, monthly average, \$ per lb.	.6784	.7404	.7231	.7308	.7257	.8095	.8605	.8223	.7252	.6975	.6875	.6813	.6831	.6388	.5932	
Aluminum products:																
Shipments:																
Ingot and mill prod. (net ship.), mil. lb.	15,468	¹ 14,757	¹ 1,337	¹ 1,299	¹ 1,248	¹ 1,272	¹ 1,224	¹ 1,247	¹ 1,088	¹ 1,120	1,179	1,086	¹ 1,221	1,201		
Mill products, total, mil. lb.	12,304	¹ 11,960	¹ 1,086	¹ 1,065	¹ 984	¹ 1,089	¹ 979	¹ 1,031	¹ 909	¹ 844	941	877	¹ 940	998		
Sheet and plate, mil. lb.	⁷ 7,612	⁷ 7,514	⁶ 680	⁶ 659	⁶ 624	⁶ 692	⁶ 621	⁶ 647	⁶ 576	⁶ 574	586	561	⁶ 618	637		
Castings, mil. lb.	2,200															
Inventories, total (ingot, mill products, and scrap), end of period, mil. lb.	4,016	⁴ 4,013	³ 3,808	³ 3,916	⁴ 4,070	³ 3,980	⁴ 4,040	⁴ 4,119	⁴ 4,028	⁴ 4,013	4,068	4,169	⁴ 4,256	4,249		
Copper:																
Production:																
Mine, recoverable copper	1,497.5	1,577.6	133.1	133.6	136.6	136.1	136.0	141.1	139.0	135.2	131.2	126.2				
Refined from primary materials	1,476.8	¹ 1,571.0	138.8	129.7	¹ 130.3	124.5	¹ 126.8	140.1	132.3	130.8	128.6	123.2				
Electrolytically refined:																
From domestic ores @	1,164.9	¹ 1,186.2	105.8	99.1	⁹ 96.5	92.5	⁹ 96.3	107.6	100.5	97.6	97.4	92.7				
From foreign ores																
Electrowon	311.9	384.9	33.0	30.6	33.8	31.9	30.5	32.5	31.7	33.2	31.2	30.4				
Refined from scrap	476.9	⁴ 440.7	41.8	⁴ 42.1	⁴ 34.8	⁴ 39.2	⁴ 29.9	⁴ 34.3	⁴ 31.8	⁴ 32.0	35.7	29.1				
Imports, unmanufactured:																
Refined, unrefined, scrap (copper cont.)	² 457.7	467.0	57.2	40.9	32.9	28.7	31.4	31.6	46.0	27.1	38.4					
Refined	² 300.1	263.6	31.3	24.0	20.6	18.0	21.4	18.4	20.8	16.7	22.7					
Exports:																
Refined and scrap	² 565.6		53.7	39.1	54.6	57.7	53.6	51.0	40.9							
Refined	² 190.2	211.3	15.6	12.2	23.9	20.1	22.4	21.5	17.2	19.8	33.8					
Consumption, refined (reported by mills, etc.)	2,203	² 2,143	¹ 194	¹ 189	¹ 152	¹ 172	¹ 179	¹ 184	¹ 164	¹ 147	173	148				
Stocks, refined, end of period	106	¹ 105	87	92	102	95	79	77	91	¹ 105	110	115				
Price, avg. U.S. producer cathode, delivered, \$ per lb. \$	1.3094	1.2316	1.2457	1.1735	1.2612	1.3496	1.3422	1.3018	1.1976	1.1561	1.1461	1.1501				

See footnotes at end of tables.

	Annual		1990									1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	
NONFERROUS METALS AND PRODUCTS—Continued																	
<i>[Thousands of metric tons, unless otherwise specified]</i>																	
Copper-base mill and foundry products, shipments (quarterly total):																	
Brass mill products, mil. lb.																	
Copper wire mill products (copper content), mil. lb.																	
Brass and bronze foundry products, mil. lb.																	
Lead:																	
Production:																	
Mine, recoverable lead	¹ 410.6	¹ 469.3	37.0	35.0	41.1	45.9	36.8	42.2	37.4	35.5	41.5	41.1					
Recovered from scrap (lead content)	¹ 908.6	¹ 918.7	66.9	67.9	67.0	71.8	71.0	77.5	72.3	77.3	79.0	73.3					
Imports, ore (lead content)	³ 129.8		9.3	9.2	7.9	6.3											
Consumption, total	¹ 1,269.2	¹ 1,295.7	106.2	103.2	97.7	112.4	104.6	109.0	104.3	97.3	101.3	105.4					
Stocks, end of period:																	
Producers', ore, base bullion, and in process (lead content), ABMS	73.5	53.9	56.6	51.9	58.8	63.7	61.8	52.3	55.7	53.9	60.3	63.7	61.0	59.4	65.9	73.6	
Refiners' (primary), refined and antimonial (lead content)	15.6	25.5	19.3	19.6	20.8	19.9	20.6	23.7	22.8	25.5	24.2	24.3					
Consumers' (lead content) ϕ	82.7	62.8	59.9	63.2	66.6	62.3	63.9	62.6	60.4	62.8	62.0	55.6					
Scrap (lead-base, purchased), all smelters (gross weight)	17.4	20.1	21.3	21.5	23.5	26.6	24.2	24.9	22.3	20.1	15.8	18.4					
Price, common grade, delivered, \$ per lb. @	.3935	.4602	.4521	.4516	.5013	.5036	.4947	.4616	.4275	.3852	.3452	.3323	.3444	.3330	.3260	.3203	
Tin:																	
Imports (for consumption):																	
Ore (tin content), metric tons	² 216																
Metal, unwrought, unalloyed, metric tons	³ 33,988	33,810	2,601	3,178	4,193	2,606	2,491	4,090	2,786	2,280	2,403	2,934	1,601				
Recovery from scrap, total (tin content), metric tons	¹ 15,213	6,768	572	578	487	544	580	600	594	439	560	489	7489	455			
As metal, metric tons	¹ 569																
Consumption, total, metric tons	46,371	49,300	4,200	4,100	4,100	4,300	4,100	4,100	4,200	3,900	4,100	3,900	4,100	4,300			
Primary, metric tons	39,000	36,900	3,200	3,100	3,200	3,000	3,100	3,100	3,100	2,900	3,000	2,900	3,100	3,200			
Exports (metal), metric tons	³ 904	658	126	73	50	57	36	22	10	52	25	60	11				
Stocks, pig (industrial), end of period, metric tons	6,072	4,829	3,298	3,792	3,592	3,836	3,449	4,762	4,819	4,829	6,337	6,677	6,688	6,177			
Price, Straits quality (delivered), \$ per lb.	5.2018	3.8629	3.8937	3.7634	3.6730	3.9026	3.8019	3.9932	3.9440	3.7321	3.6822	3.6488	3.6075	3.6204	3.6834		
Zinc:																	
Mine prod., recoverable zinc	¹ 275.9	507.7	27.9	45.6	50.7	57.1	44.7	42.7	40.4	43.6	*45.5	41.9					
Imports:																	
Ore (zinc content)	² 41.0		3.0	2.1	2.0												
Metal (slab, blocks)	³ 711.6	631.7	45.4	66.3	68.3	70.9	49.4	47.2	46.5	40.9	50.0						
Consumption (recoverable zinc content):																	
Ore	2.1	2.4	2	2	2	2	2	2	2	2	2	2					
Scrap, all types	¹ 251.7	250.3	20.6	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1					
Slab zinc:																	
Production, total \ddagger	205.3	207.8	18.7	16.2	17.6	17.6	16.0	17.9	16.0	17.2	17.3	15.0	16.9	15.8	*17.7	15.6	
Consumption, fabricators	¹ 1,060.0	997.0	79.4	91.0	102.8	100.0	73.0	86.0	73.0	67.1	*80.0	65.0					
Exports	³ 8.0	5.8	.4	.4	.5	.5	.5	.6	.5	.2	.3						
Stocks, end of period:																	
Producers', at smelter (ABMS)	4.7	4.6	2.9	2.9	3.6	4.0	5.3	4.5	4.7	4.6	3.9	5.3	8.5	3.9	*4.7	4.2	
Consumers'	60.3	41.6	41.4	41.9	44.0	47.1	46.1	41.7	41.7	41.6	*41.5	41.2					
Price, high grade, \$ per lb.	.8206	.7459	.8560	.8719	.8610	.7898	.7777	.6754	.6294	.6209	*.5808	.5593	.5611				
MACHINERY AND EQUIPMENT																	
<i>[Millions of dollars, unless otherwise specified]</i>																	
Industrial heating equipment, new orders (domestic), qtrly #	394.5	433.0		93.4			155.0			88.5		129.6					
Electric processing heating equipment	84.3	89.6		29.6			20.4			22.3		30.2					
Fuel-fired processing heating equipment	138.1	140.3		11.7			85.6			16.4		47.1					
Materials handling equipment, dollar value bookings index, 1982=100 \ddagger	155.6	131.9	142.4	137.2	128.0	135.0	120.0	130.2	121.4	118.5	127.7	121.3	135.7				
Industrial supplies, machinery, and equipment:																	
New orders index, seas. adj., 1987=100 @	117.4	121.1	121.8	124.2	127.4	125.0	123.8	118.8	114.0	112.9	104.9	107.0	107.4	107.0	104.1		
Industrial suppliers distribution:																	
Sales index, seas. adjusted, 1977=100	183.6	200.5	196.1	199.9	212.8	229.1	213.3	205.7	203.2	185.3	203.4	218.7	203.3	208.5	216.8	190.8	
Inflation index, not seas. adj. (tools, material handling equipment, valves, fittings, abrasives, fasteners, metal products, etc.), 1977=100	182.0	189.4	189.0	189.1	189.8	190.1	190.2	190.7	191.1	191.8	193.0	193.3	194.4	195.2	195.6	195.7	
Fluid power products shipments indexes:																	
Hydraulic products, 1985=100	144	138	142	143	131	140	133	141	123	114	131	124	130	132	123	117	
Pneumatic products, 1985=100	133	131	135	135	123	135	123	141	130	118	128	129	140	138	137	125	
Machine tools:																	
Metal cutting type tools:																	
Orders, new (net), total	1,976.35	2,070.30	137.80	188.60	146.75	228.55	209.15	182.40	136.65	178.10	130.05	186.25	153.55	136.45	*109.60	130.85	
Domestic	1,722.80	1,771.95	116.80	151.20	132.55	212.20	190.75	166.05	113.10	151.10	107.20	113.80	127.20	109.95	*96.45	87.65	
Shipments, total	2,358.80	2,329.60	194.15	275.70	161.80	155.75	189.95	185.80	182.20	266.45	110.80	133.15	173.65	145.35	*173.65	142.55	
Domestic	2,059.20	2,004.45	172.30	240.10	144.90	135.95	168.30	164.90	160.60	209.95	93.25	109.45	148.75	126.55	*157.25	104.25	
Order backlog, end of period	1,423.3	1,164.0	1,314.4	1,227.4	1,212.3	1,265.1	1,304.3	1,297.9	1,252.4	1,164.0	1,163.2	1,236.4	1,216.0	1,207.2	*1,142.9	1,131.2	
Metal forming type tools:																	
Orders, new (net), total	831.60	894.40	68.65	76.65	87.50	48.25	55.20	85.70	66.10	117.70	69.80	58.90	51.90	57.25	*43.40	42.05	
Domestic	719.05	760.55	64.50	69.90	81.40	47.95	45.90	68.10	48.15	102.25	59.80	51.30	31.45	37.30	*35.05	25.15	
Shipments, total	837.00	970.30	78.80	74.55	71.60	75.60	108.95	64.95	85.25	84.05	71.75	69.00	103.00	61.70	*58.00	69.55	
Domestic	704.15	851.10	71.00	70.85	67.35	61.30	94.30	57.20	63.40	77.20	61.00	58.80	86.05	47.05	*44.60	47.15	
Order backlog, end of period	380.3	304.4	332.2	334.4	350.2	322.9	289.2	289.9	270.8	304.4	302.4	292.4	241.2	236.8	*222.2	194.7	

See footnotes at end of tables.

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	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
METALS AND MANUFACTURES—Continued																
MACHINERY AND EQUIPMENT—Continued																
Tractors used in construction, shipments, qtrly:																
Tracklaying (ex. shovel loaders), units	10,846															
Tracklaying (ex. shovel loaders), mil. \$	1,183.7															
Wheel (contractors' off-highway), units	4,545															
Wheel (contractors' off-highway), mil. \$	383.2															
Shovel loaders, units	60,855															
Shovel loaders, mil. \$	2,225.7															
ELECTRICAL EQUIPMENT																
<i>[Thousands]</i>																
Batteries (auto.-type replacement), shipments	64,433	65,187	4,502	4,908	5,127	6,475	6,477	6,692	6,505	5,366	5,163	4,079	4,063	4,700	4,932	
Radio sets, production, total market ††	25,254	21,585	1,411	1,673	1,619	1,974	2,723	2,923	2,075	1,438	1,376	1,345	1,298	1,356	1,186	
Television sets (incl. combination models), production, total market ††	24,899	21,779	1,724	2,163	1,324	1,846	2,199	1,772	1,658	1,753	1,318	1,454	1,761	1,267	1,235	1,296
Household major appliances, industry shipments #	46,567	42,739	4,010	4,192	3,480	3,287	3,353	3,509	2,985	2,837	3,362	2,984	3,524	3,605	3,720	3,944
Air conditioners (room)	5,091	4,150	764	604	260	82	54	2	10	82	159	185	496	532	613	447
Dishwashers	3,668	3,637	308	335	298	321	303	345	280	276	322	255	278	305	288	304
Disposers (food waste)	4,363	4,137	347	431	306	348	419	347	265	262	362	309	362	282	306	360
Microwave ovens/ranges	10,598	8,126	521	586	472	587	676	899	792	688	666	565	511	471	509	543
Ranges	3,048	2,989	297	302	242	252	248	278	253	228	268	236	277	278	264	275
Refrigerators	7,099	7,101	643	765	790	656	626	590	494	451	483	434	533	606	664	787
Freezers	1,219	1,296	103	126	155	136	123	101	97	100	95	75	100	114	109	142
Washers	6,252	6,192	538	566	518	515	518	535	446	417	555	486	507	519	490	546
Dryers, including gas	4,574	4,320	353	359	345	357	359	392	339	319	418	344	344	344	319	351
Vacuum cleaners (qtrly)	11,373	10,963		2,348				3,035			2,513		2,850			
GAS EQUIPMENT (RESIDENTIAL)																
<i>[Thousands]</i>																
Furnaces, warm air, shipments	2,162	1,950	129	145	167	188	220	216	192	153	150	128	126	120	110	
Ranges, total, shipments	2,167	2,167	203	209	167	168	190	209	186	167	190	159	193	194	188	203
Water heaters (storage), automatic, shipments	4,130	3,906	308	324	294	299	287	378	315	372	347	318	332	346	319	

PETROLEUM, COAL, AND PRODUCTS

COAL																
<i>[Thousands of short tons, unless otherwise specified]</i>																
Anthracite:																
Production	3,519	3,121	329	327	277	345	323	354	310	183	210	206	220	221	216	
Exports, thous. metric tons	677															
Producer Price Index, 1982=100	103.4	105.5	104.8	104.0	104.0	104.3	104.5	105.3	106.8	106.8	106.8	106.6	106.6	105.6	104.9	105.0
Bituminous and lignite:																
Production	980,729	1,029,035	86,507	84,584	79,809	91,838	83,107	93,418	86,772	75,676	85,834	82,588	84,793	81,090	81,600	
Consumption, total	890,559	894,556	69,007	74,908	81,260	82,951	76,469	74,982	71,729	79,247						
Electric power utilities	786,888	771,878	59,140	65,167	71,376	72,942	66,727	64,284	60,916	68,335	71,190	58,443	59,195	55,483		
Industrial, total	117,503	116,154	9,508	9,368	9,350	9,510	9,332	10,389	10,189	9,852						
Coke plants (oven and beehive)	41,369	39,824	3,501	3,331	3,275	3,397	3,276	3,450	3,351	3,139						
Residential and commercial	6,167	6,724	960	373	535	498	409	413	624	1,059						
Stocks, end of period, total	146,087	167,208	172,672	171,976	164,179	161,585	160,739	167,023	171,834	167,208						
Electric power utilities	135,860	155,163	161,695	160,823	152,982	150,123	149,013	155,191	159,895	155,163	148,736	152,202	157,031	162,804		
Industrial, total	10,227	12,045	10,976	11,152	11,197	11,461	11,727	11,832	11,938	12,045						
Oven-coke plants	2,864	3,329	3,706	3,739	3,367	3,255	3,124	3,192	3,260	3,329						
Exports excluding lignite, thous. metric tons	291,458	95,984	8,915	8,451	8,341	9,131	9,288	7,943	8,728	7,088	5,637	7,373	7,217	6,275		
Producer Price Index, 1982=100	95.4	97.3	97.6	97.8	97.9	96.8	97.4	98.1	98.7	97.8	98.4	98.1	97.4	96.9	97.1	97.4
COKE																
<i>[Thousands of short tons, unless otherwise specified]</i>																
Production:																
Beehive and oven (byproduct)	33,015	28,948		7,449			7,003		7,132							
Petroleum coke §	39,533	40,332	3,357	3,291	3,437	3,617	3,306	3,366	3,351	3,502	3,518	3,056	3,276	3,303		
Stocks, end of period:																
Oven-coke plants, total	1,919	1,918		1,929			1,840		1,918							
At furnace plants	1,703	1,674		1,734			1,649		1,674							
At merchant plants	216	244		194			191		244							
Petroleum coke	1,720	1,436	1,998	1,721	1,505	1,514	1,450	1,430	1,509	1,436	1,426	1,680	1,791	1,646		
Exports, thous. metric tons	1,043															
PETROLEUM AND PRODUCTS																
<i>[Millions of barrels, unless otherwise specified]</i>																
Crude petroleum:																
Producer Price Index, 1982=100	56.3	70.9	54.5	47.9	46.3	75.2	91.0	118.0	97.3	79.3	87.9	64.2	53.9	56.3	59.0	56.2
Gross input to crude oil distillation units	4,959.7	4,981.3	420.9	416.8	446.8	441.3	428.9	405.4	395.5	401.8	400.8	370.1	404.4	398.4		
Refinery operating ratio, % of capacity	86	87	87	89	92	91	91	84	84	83	83	84	83	85		
All oils, supply, demand, and stocks:																
New supply, total ◊	6,304.7	6,208.7	550.4	522.0	551.3	544.8	487.5	496.5	484.7	479.1	502.2	453.0	489.0	497.4		
Production:																
Crude petroleum	2,778.8	2,684.7	227.2	213.2	222.4	225.9	216.7	233.8	221.6	227.5	230.0	211.4	231.9	224.0		
Natural gas plant liquids	596.1	598.3	49.4	46.2	48.4	51.0	50.0	54.5	53.0	52.1	53.2	50.6	54.1	52.2		
Imports:																
Crude and unfinished oils	2,283.7	2,325.1	215.2	210.2	226.3	213.1	183.5	172.8	171.0	155.7	180.1	163.6	169.2	177.8		
Refined products	656.2	600.8	58.7	52.2	54.1	54.9	37.3	35.4	39.0	43.8	38.9	28.0	33.9	43.3		
Change in stocks, all oils	-15.8	39.2	48.9	77.4	60.2	44.1	30.8	16.5	-9.3	39.2	-36.8	-12.3	-15.6	18.7		
Product demand, total	6,634.9	6,512.9	545.7	539.0	551.1	585.9	520.7	554.3	533.3	548.1	560.5	496.3	528.3	505.2		
Exports:																
Crude petroleum	51.7	39.7	3.5	2.6	2.8	2.0	2.0	3.2	4.1	5.0	1.6	4.3	4.2	4.9		
Refined products	259.5	272.4	17.9	21.4	18.8	24.3	23.3	26.1	28.4	31.7	35.6	36.1	25.0	17.2		

See footnotes at end of tables.

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	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
PETROLEUM, COAL, AND PRODUCTS—Continued																
PETROLEUM AND PRODUCTS—Continued																
<i>(Millions of barrels, unless otherwise specified)</i>																
All oils, supply, demand, and stocks—Continued																
Domestic product demand, total #	6,323.7	6,200.8	*524.3	*515.0	*529.6	*559.6	*495.4	*525.0	*500.9	*511.3	523.3	455.9	499.1	483.1		
Gasoline	2,684.1	2,649.6	*228.9	*226.5	*233.3	*242.6	*208.2	*224.7	*217.8	*216.9	206.4	191.1	219.1	214.8		
Kerosene	30.8	15.5	*.5	*.4	*.5	*1.2	*.9	*.6	*.7	*2.6	3.1	1.6	1.4	1.1		
Distillate fuel oil	1,152.2	1,102.5	*89.9	*87.7	*84.5	*99.7	*85.9	91.8	*92.8	*87.3	104.0	84.0	92.0	86.1		
Residual fuel oil	500.1	448.5	*38.0	*39.0	*39.7	*38.4	*30.2	*31.8	28.9	*40.2	35.1	34.7	37.4	33.8		
Jet fuel	543.6	555.6	*46.3	*44.7	*43.6	*48.1	*46.0	*49.1	*47.3	*47.8	48.0	42.6	44.4	40.5		
Lubricants	58.1	59.7	*5.4	*4.2	*5.3	*6.0	5.3	5.4	*4.3	*3.7	4.8	3.3	4.2	4.5		
Asphalt	165.2	176.3	*16.8	*20.5	*22.2	*24.9	*21.6	*18.9	*12.6	*6.8	5.3	5.1	7.4	11.3		
Liquefied petroleum gases	608.9	568.0	*44.4	*36.3	*43.2	*45.4	*47.0	*55.5	*51.0	*54.6	66.3	68.8	48.2	42.7		
Stocks, end of period, total	1,581.4	1,620.6	*1,671.5	*1,685.0	*1,709.1	*1,698.5	*1,698.2	*1,674.4	*1,653.9	*1,620.6	1,586.7	1,574.5	1,558.9	1,577.6		
Crude petroleum	921.1	908.4	968.7	970.9	966.1	959.1	932.2	935.7	924.7	908.4	905.8	912.8	905.3	907.2		
Strategic petroleum reserve	579.9	585.7	586.2	586.7	586.7	589.6	589.6	589.4	586.0	585.7	585.7	581.6	568.5	568.5		
Unfinished oils, natural gasoline, etc	152.0	145.4	*164.4	*163.6	*161.1	*158.9	*163.1	*152.4	*157.6	*145.4	149.2	153.3	153.6	157.5		
Refined products	508.3	566.8	*538.4	*550.5	*581.8	*580.5	*602.9	*586.3	*571.6	*566.8	531.7	508.4	500.0	512.9		
Refined petroleum products:																
Gasoline (incl. aviation):																
Production	2,550.7	2,548.4	*205.8	*213.9	*225.2	*228.2	*219.0	*213.9	208.9	214.0	206.1	184.6	206.4	202.8		
Stocks, end of period	179.1	182.4	*180.2	*177.4	*181.3	*174.2	*189.6	*181.9	*178.7	*182.4	189.1	182.7	174.4	171.9		
Prices, regular grade (excl. aviation):																
Producer Price Index, 1982=100	67.1	80.3	71.6	73.8	73.5	84.6	95.0	100.3	99.7	90.5	80.2	71.5	61.6	63.4	70.3	69.4
Retail, U.S. city average (BLS):																
Leaded, \$ per gal.	99.7	1.149	1.044	1.077	1.089	1.198	1.297	1.354	1.351	1.335	1.246	1.137	1.047	1.062	(⁹)	
Unleaded, \$ per gal.	1.022	1.164	1.061	1.088	1.084	1.190	1.294	1.378	1.377	1.354	1.247	1.143	1.082	1.104	1.156	1.160
Aviation gasoline:																
Production	9.2	8.5	.9	.9	.8	1.1	.8	.6	.7	.5	.6	5.4	.5	.5		
Stocks, end of period	2.1	1.7	1.9	1.8	1.6	1.7	1.8	1.7	1.8	1.7	1.9	1.9	1.8	1.7		
Kerosene:																
Production	26.9	16.3	*.7	*-1	*1.3	*1.0	*1.6	*1.5	*1.6	*1.6	2.4	1.7	.7	1.1		
Stocks, end of period	5.1	5.6	*5.2	*4.9	*5.8	*5.5	*6.2	*6.4	*6.4	*5.6	5.5	5.0	4.2	4.3		
Producer Price Index (light distillate), 1982=100	57.8	75.4	59.4	57.0	56.6	66.2	87.8	107.7	104.4	94.2	82.2	75.9	66.4	59.5	60.7	61.3
Distillate fuel oil:																
Production	1,058.0	1,067.5	89.1	*89.9	93.2	97.1	89.0	*90.8	*87.4	90.4	88.4	80.3	88.7	84.7		
Imports	111.7	101.5	*6.5	*7.7	*7.3	9.1	6.8	5.9	7.1	7.4	5.9	3.9	6.4	7.7		
Stocks, end of period	105.7	132.2	*102.5	*109.9	*125.0	*129.8	*136.0	*136.3	*132.4	132.2	112.1	101.3	98.3	102.2		
Producer Price Index (middle distillate), 1982=100	58.4	73.5	58.4	53.0	51.6	72.3	87.3	104.8	98.9	89.3	82.9	74.3	61.6	60.0	59.6	57.9
Residual fuel oil:																
Production	348.1	346.6	*27.4	27.8	30.8	29.3	27.3	*24.8	*25.4	*31.7	31.0	29.4	30.9	27.5		
Imports	229.6	183.8	15.7	*14.5	16.6	17.8	*9.4	*11.9	11.6	15.0	13.1	10.7	10.3	12.5		
Stocks, end of period	43.8	48.6	*49.7	48.8	49.0	*49.0	*49.4	*49.3	*50.1	48.6	47.6	44.6	42.9	44.7		
Producer Price Index, 1982=100	47.6	57.2	50.0	43.1	41.3	45.8	61.0	74.5	82.7	74.1	68.0	62.8	47.2	44.3	41.2	42.6
Jet fuel:																
Production	512.1	543.2	*43.1	*41.6	*44.4	*44.1	*46.5	*50.5	*48.2	*48.7	46.7	43.3	40.3	38.6		
Stocks, end of period	40.9	52.1	*46.9	47.3	50.9	*48.4	*49.8	*51.1	*50.5	*52.1	50.5	48.0	44.6	43.7		
Lubricants:																
Production	61.4	61.2	5.1	*4.6	5.4	5.4	5.4	5.0	5.5	5.0	5.2	4.5	5.0	4.6		
Stocks, end of period	13.8	12.4	12.3	*12.3	*12.4	*11.5	*11.2	*10.3	*11.4	12.4	12.5	13.3	13.7	13.4		
Asphalt:																
Production	154.9	164.0	14.9	*17.2	*19.5	18.6	17.9	15.5	*12.1	9.2	7.7	9.4	11.3	12.1		
Stocks, end of period	20.6	18.7	29.1	27.0	*25.3	*20.3	*18.0	*15.5	*15.6	18.7	21.5	26.4	30.9	32.1		
Liquefied petroleum gases:																
Production, total	653.5	638.4	54.6	*51.6	*54.5	*56.6	*53.7	*55.0	*51.9	*52.5	53.2	51.2	58.5	56.4		
At gas processing plants (L.P.G.)	451.3	456.2	37.0	*34.5	*36.4	*39.0	*38.5	*41.7	41.4	40.3	41.2	38.5	42.0	40.0		
At refineries (L.R.G.)	202.2	182.2	17.6	*17.1	*18.1	*17.6	*15.2	*13.2	*10.6	*12.1	12.0	12.7	16.5	16.4		
Stocks (at plants and refineries)	80.2	97.9	*91.8	*105.9	*114.2	*124.7	*125.8	*118.3	*109.4	97.9	76.3	68.8	72.6	83.1		

PULP, PAPER, AND PAPER PRODUCTS

PULPWOOD																
<i>(Thousands of cords (128 cu. ft.))</i>																
Receipts	199,279	199,304	8,014	8,006	8,395	8,452	8,271	8,712	8,180	7,920	8,779	8,171	8,161	8,097		
Consumption	98,414	99,194	8,113	8,042	8,467	8,333	8,243	8,517	8,120	8,012	8,801	8,115	8,161	8,271		
Inventories, end of period	5,462	5,961	5,177	5,167	5,106	5,239	5,651	5,751	6,375	5,961	5,732	5,554	5,670	5,082		
WASTE PAPER																
<i>(Thousands of short tons)</i>																
Consumption	19,490	21,040	1,800	1,798	1,738	1,844	1,785	1,822	1,778	1,717	1,815	1,669	1,818	1,740		
Inventories, end of period	1,082	909	1,017	1,031	1,035	1,052	976	1,024	981	909	927	917	905	959		
WOODPULP																
<i>(Thousands of short tons)</i>																
Production:																
Total	61,998	63,068	5,156	5,175	5,490	5,366	5,200	5,410	5,123	5,428	5,579	5,033	5,319	5,285		
Dissolving pulp	1,425	1,293	103	114	107	125	126	91	71	123	115	104	124	115		
Paper grades chemical pulp	50,181	51,192	4,158	4,202	4,457	4,374	4,190	4,395	4,163	4,392	4,530	4,098	4,310	4,270		
Groundwood and thermo-mechanical	6,029	6,363	522	519	555	541	536	569	543	554	563	503	547	555		
Semi-chemical	4,363	4,219	-373	341	371	327	349	355	347	359	371	329	338	346		
Inventories, end of period:																
Producers' own use	193	228	184	214	209	218	228	210	201	226	201	216	216	198		
Producers' market	342	476	451	438	526	527	461	484	505	478	521	554	483	521		
Consumers' purchased	519	392	437	485	432	418	423	422	358	392	419	409	406	394		
<i>(Thousands of metric tons)</i>																
Exports, all grades, total	5,653															
Dissolving and special alpha	759															
All other	4,896															
Imports, all grades, total	4,673															
Dissolving and special alpha	162															
All other	4,513															

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1981-88*

	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
PULP, PAPER, AND PAPER PRODUCTS—Continued																
PAPER AND PAPER PRODUCTS																
<i>[Thousands of short tons, unless otherwise specified]</i>																
Paper and board:																
Production (API):																
Total	76,785	78,785	6,576	6,452	6,556	6,744	6,507	6,828	6,528	6,520	6,818	*6,135	*6,570	*6,320	6,448	
Paper	38,266	39,362	3,284	3,190	3,279	3,439	3,251	3,484	3,294	3,181	3,338	*3,009	*3,244	*3,159	3,179	
Paperboard	38,519	39,423	3,292	3,262	3,277	3,305	3,257	3,344	3,234	3,339	3,480	*3,126	*3,326	*3,161	3,269	
Producer Price Indexes:																
Paperboard, 1982=100	140.1	135.9	136.0	135.5	135.0	133.4	132.9	134.3	134.2	132.8	132.6	*132.0	130.2	128.3	127.0	126.7
Building paper and board, 1982=100	115.6	112.2	113.4	111.9	111.2	110.3	109.8	109.4	109.1	108.9	109.3	*109.8	111.3	112.6	113.1	113.0
Selected types of paper (API):																
Groundwood paper:																
Orders, new	1,741	1,831	158	173	156	164	173	163	136	161	171	126	*149	*123	138	
Orders, unfilled, end of period	193	*151	170	172	175	197	226	222	213	215	234	*229	*233	*228	227	
Shipments	1,743	1,764	138	142	152	147	137	168	151	147	145	133	147	130	130	
Coated papers:																
Orders, new	7,171	7,438	614	647	639	680	607	671	589	531	619	517	597	581	624	
Orders, unfilled, end of period	706	*700	761	717	721	733	693	693	643	591	551	*522	*525	*566	616	
Shipments	7,215	7,536	620	611	634	678	636	689	642	564	634	564	*588	553	565	
Uncoated free sheet:																
Orders, new	11,097	11,465	1,007	986	899	1,019	936	956	888	862	916	*784	*859	*922	970	
Shipments	11,081	11,475	957	904	947	1,011	928	1,009	942	930	983	*852	*902	*913	949	
Unbleached kraft papers:																
Shipments	2,681	2,377	206	208	208	198	198	208	196	173	202	186	203	*207	186	
Tissue paper, production																
	5,636	5,802	494	479	482	501	487	507	477	484	485	459	505	477	472	
<i>[Thousands of metric tons, unless otherwise specified]</i>																
Newsprint:																
Canada: †																
Production	9,640	9,068	847	762	826	758	661	711	664	715	836	*763	*790	*743	733	
Shipments from mills	9,607	9,074	861	804	752	750	698	710	688	740	785	*686	*755	*736	710	
Inventory, end of period	321	315	358	316	391	399	362	363	340	315	*386	*462	*498	*506	529	
United States:																
Production	5,523	5,997	495	489	508	519	498	511	512	519	523	473	523	519	521	
Shipments from mills	5,515	6,007	502	486	508	518	509	506	511	517	527	465	511	502	520	
Inventory, end of period	56	46	46	49	49	50	39	44	45	46	42	50	61	79	80	
Estimated consumption, all users †	12,241	12,126	1,070	1,005	960	996	1,017	1,045	1,030	1,011	*922	*854	*956	*930	947	
Publishers' stocks, end of period †	749	802	802	825	859	912	850	810	780	802	853	919	923	*907	908	
Imports	27,678															
Producer Price Index, standard newsprint, 1982=100	122.5	119.5	116.6	121.6	122.2	122.2	122.3	122.5	122.3	122.7	126.8	*127.2	126.9	121.3	122.1	119.7
Paper products:																
Shipping containers, corrugated and solid fiber shipments, mil. sq. ft. surf. area	313,398	318,102	27,398	*26,512	26,494	28,115	25,410	30,526	24,955	21,412	27,440	24,137	24,495	28,033	26,967	25,739

RUBBER AND RUBBER PRODUCTS

RUBBER																
<i>[Thousands of metric tons, unless otherwise specified]</i>																
Natural rubber: ‡																
Consumption	866.87	839.03	64.18	73.92	57.37	74.11	68.76	59.78	75.55	69.78						
Stocks, end of period	91.98	94.34	97.30	99.80	101.56	87.18	90.35	84.71	89.63	94.34						
Imports, incl. latex and guayule	887.62	860.34	66.24	77.66	60.38	60.96	82.97	55.67	81.69	75.70						
U.S. Import Price Index, 1985=100	110.3	*104.1		105.4			105.4			102.9			103.5			102.2
Synthetic rubber: ‡																
Production	2,261.37	2,114.53	174.62	171.99	171.94	180.94	180.42	190.30	167.35	153.14						
Consumption	2,050.97	1,820.78	161.53	151.63	137.11	149.54	155.63	175.29	147.04	119.06						
Stocks, end of period	404.03	403.66	397.57	395.11	414.95	420.92	419.56	404.95	393.90	403.66						
Exports (Bureau of Census)	2579.08															
TIRES AND TUBES																
<i>[Thousands]</i>																
Pneumatic casings:																
Production	212,870	210,663	17,990	18,186	14,996	18,555	17,612	19,965	16,077	13,687	17,713	17,375	16,208	17,017	17,360	
Shipments, total	261,659	260,424	23,432	23,728	22,225	24,185	22,595	24,467	20,203	16,946	18,369	17,674	19,798	21,237	22,231	
Original equipment	59,347	54,192	5,589	5,311	3,572	4,696	4,687	5,433	3,672	2,829	3,738	3,393	3,713	4,351	4,691	
Replacement equipment	186,328	188,839	16,391	17,066	17,376	17,785	16,443	17,306	14,821	12,913	13,050	12,791	14,595	15,377	15,975	
Exports	15,965	17,393	1,452	1,351	1,277	1,704	1,465	1,727	1,509	1,205	1,578	1,550	1,491	1,511	1,566	
Stocks, end of period	39,308	42,649	48,728	47,893	45,351	43,492	42,047	41,553	41,582	42,649	46,333	50,051	51,096	51,151	50,725	
Exports (Bureau of Census)	219,118															
Inner tubes:																
Exports (Bureau of Census)	21,813															

See footnotes at end of tables.

	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
STONE, CLAY, AND GLASS PRODUCTS																
PORTLAND CEMENT																
Shipments, finished cement, thous. bbl.	1,474,344	1,467,211	44,828	46,513	44,687	48,159	42,567	46,272	37,888	25,425	21,273	23,949	27,239	35,379	39,876	
CLAY CONSTRUCTION PRODUCTS																
Shipments:																
Brick, unglazed (common and face), mil. standard brick	6,698.2	6,777.6	631.0	630.8	631.5	658.1	556.3	609.9	538.3	416.0			71,130.5			
Structural tile, except facing, thous. sh. tons	(2)	(2)											(2)			
Sewer pipe and fittings, vitrified, thous. sh. tons	255.7	210.2	17.3	16.4	18.8	18.7	18.9	16.0	15.3	13.0			41.3			
Floor and wall tile and accessories, glazed and unglazed, mil. sq. ft.	545.3	477.6	43.2	40.4	38.3	41.4	37.1	42.8	36.3	36.1			7112.4			
Producer Price Index, brick and structural clay tile, 12/84=100 ...	112.2	115.1	115.3	115.3	115.4	115.4	115.3	115.4	115.4	115.4	115.3	115.5	115.7	115.7	115.8	115.8
GLASS AND GLASS PRODUCTS																
<i>[Thousand gross, unless otherwise specified]</i>																
Flat glass, mfrs.' shipments, thous. \$	1,543,242	1,438,265		375,869			372,826			332,560			300,160			
Glass containers:																
Production	287,511	289,704	26,159	25,187	25,472	26,141	25,462	25,937	21,882	18,254	22,465	22,420	24,351	24,369		
Shipments, total	285,586	284,986	26,808	25,223	25,028	26,910	22,827	24,125	21,451	19,668	20,974	19,828	22,611	24,521		
Narrow-neck containers:																
Food	22,010	23,008	2,527	2,022	2,101	2,249	1,796	1,866	1,388	1,215	1,429	1,707	2,082	2,086		
Beverage	63,813	61,999	6,193	6,000	6,004	6,048	4,931	5,077	4,315	3,998	4,219	3,933	4,802	5,527		
Beer	88,556	88,551	7,990	7,599	7,962	8,024	7,197	7,234	6,962	6,159	6,849	6,218	6,930	6,950		
Liquor and wine	26,059	26,297	2,560	2,671	2,202	2,301	1,902	2,129	2,009	2,214	1,735	1,670	2,078	2,373		
Wide-mouth containers:																
Food and dairy products	67,973	70,767	6,206	5,727	5,672	6,959	5,989	6,862	5,633	5,030	5,983	5,532	5,833	6,691		
Narrow-neck and wide-mouth containers:																
Medical and toilet	13,826	13,190	1,236	1,122	1,013	1,079	940	876	1,045	977	676	698	782	801		
Chemical, household, and industrial	1,318	1,174	96	82	74	70	72	81	99	75	83	70	104	93		
Stocks, end of period	42,053	40,449	41,912	41,928	42,206	41,078	41,327	42,628	42,860	40,449	42,417	44,646	46,068	45,761		
GYPSUM AND PRODUCTS																
<i>[Thousands of short tons]</i>																
Production:																
Crude gypsum (exc. byproduct)	15,500		1,342													
Calcined	17,500		1,372													
Imports, crude gypsum																
Sales of gypsum products:																
Uncalcined	5,170		495													
Calcined:																
Industrial plasters	(4)															
Building plasters, total (incl. Keene's cement)																
<i>[Millions of square feet]</i>																
Board products, total	20,870		1,710													
Lath	18		1													
Veneer base	475		37													
Gypsum sheathing	266		21													
Regular gypsum board	12,523		1,014													
Type X gypsum board	6,071		505													
Predecorated wallboard	113		8													
3/8 mobile home board	717		66													
Water/moisture resistant board	687		55													
TEXTILE PRODUCTS																
FABRIC																
<i>[Millions of linear yards]</i>																
Woven fabric, finishing plants:																
Production (finished fabric)																
Cotton																
Manmade fiber and silk fabrics																
Inventories held at end of period																
Cotton																
Manmade fiber and silk fabrics																
Backlog of finishing orders																
Cotton																
Manmade fiber and silk fabrics																
COTTON AND MANUFACTURES																
<i>[Thousands of running bales, unless otherwise specified]</i>																
Cotton (excluding linters):																
Production:																
Ginnings	11,884	15,064			120	583	2,620	7,959	12,436	14,519						
Crop estimate, thous. net weight bales \$	12,196									15,617						
Consumption																
Stocks in the United States, total, end of period #	67,444	8,383	641	826	559	680	835	671	610	601			2,068			
Domestic cotton, total	12,803	11,878	5,778	4,337	3,228	15,974	14,514	13,855	13,173	11,978			7,929			
On farms and in transit	12,803	11,878	5,778	4,337	3,228	15,974	14,514	13,855	13,173	11,978			7,929			
Public storage and compresses	1,457	1,322	879	485	369	13,740	11,332	7,210	3,729	1,522			761			
Consuming establishments	10,782	9,875	4,224	3,185	2,187	1,615	2,451	6,126	8,930	9,875			75,518			
	584	581	675	667	672	619	531	519	514	581			760			

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in *Business Statistics, 1961-88*

	Annual		1990								1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June

TEXTILE PRODUCTS—Continued

COTTON AND MANUFACTURES—Continued

Cotton (excluding linters)—Continued																	
Exports, <i>thous. running bales</i>	\$ 6,704																
Imports, <i>thous. net weight bales</i>	\$ 5																
Price(farm), American upland, <i>cents per lb. ♀</i>	\$ 63.6		66.2	64.0	63.9	64.7	65.1	67.5	68.0	65.9	64.2	67.9	68.5	70.8	68.9	69.9	
Price, Strict Low Middling, Grade 41, staple 34 (1½"), average 10 markets, <i>cents per lb.</i>	\$ 69.8		74.6	77.1	79.5	76.3	71.0	70.5	69.5	69.9	70.5	77.7	77.9	79.9	83.9	79.0	
Spindle activity (cotton system spindles):																	
Active spindles, last working day, total, <i>millions</i>	10.7	9.7	10.4	10.3	10.1	10.0	10.1	9.8	9.8	9.7			79.5				
Consuming 100 percent cotton, <i>millions</i>	4.3	3.8	4.2	4.1	3.9	3.9	4.0	3.8	3.9	3.8			73.8				
Spindle hours operated, all fibers, total, <i>billions</i>	80.8	65.8	5.3	4.6	4.4	5.3	4.6	5.2	4.7	4.9			715.0				
Average per working day, <i>billions</i>	294	254	267	255	220	264	255	260	240	249			7234				
Consuming 100 percent cotton, <i>billions</i>	27.8	25.8	2.1	2.6	1.7	2.0	2.5	2.1	1.8	1.9			75.8				
Cotton cloth:																	
Cotton broadwoven goods over 12" in width:																	
Production (qtrly.), <i>mil. sq. yd.</i>	4,589	4,464		1,127				1,087				1,048			1,064		
Orders, unfilled, end of period, compared with average weekly production, <i>no. weeks' prod.</i>																	
Inventories, end of period, compared with avg. weekly production, <i>no. weeks' prod.</i>																	
Ratio of stocks to unfilled orders (at cotton mills), end of period																	
Exports, raw cotton equivalent, <i>thous. net weight bales</i> §																	
Imports, raw cotton equivalent, <i>thous. net weight bales</i> §																	
Producer Price Index, gray cotton broadwovens, 1982=100	110.9	113.8	114.1	109.9	115.1	115.1	112.3	112.5	116.1	116.4	113.3	113.6	113.7	114.0	114.6	115.0	

MANMADE FIBERS AND MANUFACTURES

[Millions of pounds]

Fiber production, qtrly:																	
Acetate filament yarn	217.5	206.2		52.3				53.6				53.5			48.0		
Rayon staple, including tow	362.8	299.1		72.0				74.2				76.9			67.4		
Noncellulosic, except textile glass:																	
Yarn and monofilaments	4,225.4	4,193.7		1,084.8				1,035.4				1,043.4			994.0		
Staple, incl. tow	4,290.3	3,990.8		1,060.7				962.5				969.2			911.0		
Textile glass fiber																	
Fiber stocks, producers', end of period:																	
Acetate filament yarn	9.9	9.4		8.7				8.3				9.4			10.0		
Rayon staple, including tow	22.4	17.3		10.1				9.2				17.3			26.0		
Noncellulosic fiber, except textile glass:																	
Yarn and monofilaments	364.2	304.2		374.6				348.0				304.2			344.2		
Staple, incl. tow	340.8	347.0		384.7				362.8				347.0			371.1		
Textile glass fiber																	
[Millions of square yards, unless otherwise specified]																	
Manmade fiber and silk broadwoven fabrics:																	
Production (qtrly.), total																	
Filament yarn (100%) fabrics																	
Chiefly rayon and/or acetate fabrics																	
Chiefly nylon fabrics																	
Spun yarn (100%) fabrics																	
Rayon and/or acetate fabrics, blends																	
Polyester blends with cotton																	
Acetate filament and spun yarn fabrics																	
Producer Price Index, gray synthetic broadwovens, 1982=100	114.0	115.7	115.5	115.6	115.7	115.2	115.3	115.6	115.8	116.1	115.7	114.7	114.7	114.5	114.3	113.8	

[Millions of pounds]

Manmade fiber textile trade:																	
Exports, manmade fiber equivalent																	
Yarn, tops, thread, cloth																	
Cloth, woven																	
Manufactured prods., apparel, furnishings																	
Imports, manmade fiber equivalent																	
Yarn, tops, thread, cloth																	
Cloth, woven																	
Manufactured products, apparel, furnishings																	
Apparel, total																	
Knit apparel																	

WOOL AND MANUFACTURES

[Millions of pounds, unless otherwise specified]

Wool consumption, mill (clean basis):																	
Apparel class	113.0	120.6		31.7				26.9				30.5			32.3		
Carpet class	14.1	12.1		3.0				3.1				2.1			3.1		
Wool imports, clean yield †	106.9	71.7	5.0	4.8	3.4	5.5	5.0	6.9	7.5	4.2	10.7	6.9	5.4	5.5	7.3		
Unimproved and other grades not finer than 46's	29.9	21.4	2.4	2.1	1.5	1.3	1.5	1.4	1.3	.6	1.9	1.2	1.5	1.3	1.7		
46's and finer *	77.0	50.3	2.6	2.7	1.9	4.2	3.5	5.5	6.2	3.6	8.7	5.7	3.9	4.3	5.5		
Wool prices, raw, shorn, clean basis:																	
Domestic—Graded territory, 64's, staple 2¼" and up, delivered to U.S. mills, \$ per lb.	3.70	2.56	2.75	2.57	2.42	2.35	2.35	2.35	2.25	2.20	2.17	2.10	1.63	1.67	2.02	2.30	
Australian, 64's, Type 63, duty-paid, price at Australian Wool Corp., Charleston, SC, \$ per lb.	4.31	3.70	4.06	3.42	3.38	3.52	3.55	3.43	3.32	3.32	3.34	3.35	2.09	2.21	2.71	2.86	
Wool broadwoven goods, exc. felts:																	
Production (qtrly.), <i>mil. sq. yd.</i>	176.3	140.7		38.7				32.6				31.4			38.1		

FLOOR COVERINGS

Carpet, rugs, carpeting (woven, tufted, other), shipments, quarterly, <i>mil. sq. yd.</i>	1,357.2	1,359.0		356.7				350.4				317.2			277.9		
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APPAREL

[Thousands, unless otherwise indicated]

Women's, misses', juniors' apparel cuttings, qtrly:																	
Coats	16,895	16,117		3,842				5,006				3,509					
Dresses	181,967	168,067		44,836				40,881				35,098					
Suits (incl. pant suits, jumpsuits)	8,372	7,332		1,728				1,824				2,028					
Skins	97,689	87,474		22,550				22,175				20,911					
Slacks, jeans, dungarees, and jean-cut casual slacks	300,907	285,032		76,542				74,716				64,309					
Blouses, <i>thou. doz.</i>	37,180	36,139		9,158				8,397				8,195					

See footnotes at end of tables.

	Annual		1990									1991					
	1989	1990	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	
	Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in <i>Business Statistics</i> , 1991-88																
TEXTILE PRODUCTS—Continued																	
APPAREL—Continued																	
<i>(Thousands, unless otherwise indicated)</i>																	
Men's apparel cuttings, qtrly:																	
Suits	13,896	11,187		2,724				2,624					2,566				
Coats (separate), dress and sport	18,012	14,078		3,517				3,604					3,178				
Trousers, slacks, jeans, pants, etc	470,820	461,292		116,317				119,603					112,184				
Shirts, dress and sport, thous. doz.	113,085	97,725		27,353				23,447					19,936				
Hosiery, shipments, thous. doz. prs.	353,692	328,622	26,617	27,770	28,290	26,228	25,003	30,537	27,741	24,586	24,863	25,170	25,623	28,351	27,099		
TRANSPORTATION EQUIPMENT																	
AEROSPACE VEHICLES																	
<i>(Millions of dollars)</i>																	
Orders, new (net), total	3176,474																
U.S. Government	381,727																
Prime contract	3170,989																
Sales (net), receipts, or billings, total	3121,218																
U.S. Government	371,553																
Backlog of orders, end of period #	3246,817																
U.S. Government	3102,429																
Aircraft (complete) and parts	3128,720																
Engines (aircraft) and parts	328,511																
Missiles, space vehicle systems, engines, propulsion units, and parts	334,104																
Other related operations (conversions, modifications), products, services	318,502																
Aircraft (complete):																	
Shipments	17,467.3		1,955.6	2,474.7	2,129.0	2,165.8											
Exports, commercial	413,711	418,444	1,552	2,048	1,556	1,399	1,323	1,311	1,212	1,693	1,291	1,097	1,862	2,164	(?)	1,668	
MOTOR VEHICLES (NEW)																	
<i>(Thousands, unless otherwise specified)</i>																	
Passenger cars:																	
Factory sales (from U.S. plants):																	
Total	6,807	6,050	625	627	346	530	542	625	438	369	435	411	436	460	518	(?)	
Domestic	6,181	5,502	564	569	322	488	507	585	402	332	391	373	384	417	465		
Retail sales, total, not seas. adj.	9,903	9,499	890	875	822	807	785	805	679	669	570	636	749	707	790	791	
Domestic \$	7,078	6,898	644	635	596	572	585	598	486	476	421	479	545	510	581	593	
Imports \$	2,825	2,601	246	240	226	235	200	207	193	193	149	157	204	197	209	198	
Total, seas. adj. at annual rate, millions			9.4	9.8	9.7	9.4	10.1	9.3	8.6	8.9	7.6	8.3	8.7	7.9	8.4	9.0	
Domestic, millions \$			6.7	7.1	7.1	6.9	7.6	6.9	6.2	6.6	5.7	6.1	6.2	5.5	6.1	6.7	
Imports, millions \$			2.7	2.7	2.6	2.5	2.5	2.4	2.4	2.3	1.9	2.2	2.5	2.4	2.3	2.3	
Retail inventories, domestics, end of period: \$																	
Not seasonally adjusted	1,669	1,407	1,471	1,505	1,318	1,337	1,340	1,483	1,510	1,407	1,467	1,431	1,360	1,371	1,357	1,304	
Seasonally adjusted	1,682	1,259	1,306	1,316	1,382	1,425	1,404	1,430	1,397	1,259	1,221	1,143	1,065	1,066	1,033	954	
Inventories-retail sales ratio, domestics %	2.8	2.4	2.3	2.2	2.3	2.5	2.2	2.5	2.7	2.3	2.6	2.3	2.1	2.3	2.0	1.7	
Exports (Bureau of Census), total	4769.75																
To Canada	569.23																
Imports (ITC), complete units	4,042.7	3,944.6	335.2	335.5	283.3	293.0	293.0	393.6	375.1	354.4	325.1	294.6	328.7	297.6			
From Canada, total	41,151.1	41,220.2	128.2	128.1	84.6	63.2	93.1	127.6	110.6	94.5	81.1	67.7	100.1	108.8			
Registrations, total new vehicles	9,853	9,180	819	858	779	777	825	769	683	683	599	590	669	675	744		
Imports, including domestically sponsored	3,481	3,486	309	326	300	321	325	284	259	271	224	220	284	275	286		
Trucks and buses:																	
Factory sales (from U.S. plants):																	
Total	4,062	3,719	401	399	252	319	313	355	253	175	214	202	238	300	337	(?)	
Domestic	3,752	3,448	368	371	238	302	297	336	235	155	194	177	208	263	302		
Retail sales:																	
Total, not seasonally adjusted *	4,941.5	4,649.9	443.0	431.5	423.4	391.9	361.2	364.8	322.1	318.4	270.2	292.7	355.2	353.5	384.8	385.6	
0-10,000 lbs. GVW, domestics	4,106.4	3,947.5	374.0	365.2	364.9	326.9	310.0	307.7	275.1	267.1	229.1	250.7	305.8	304.9	335.9	338.9	
0-10,000 lbs. GVW, imports *	504.2	404.0	42.4	39.9	30.7	39.5	27.7	31.5	27.0	28.1	22.5	23.6	27.3	26.6	28.2	26.5	
10,001 lbs. GVW and over †	331.1	298.4	26.6	26.4	27.9	25.4	23.5	25.6	20.0	23.2	18.6	18.4	22.1	22.1	20.7	20.2	
Total, seasonally adjusted *			388.0	400.6	411.4	383.8	392.7	370.9	357.0	334.2	300.0	321.5	335.0	332.6	341.0	357.2	
0-10,000 lbs. GVW, domestics			326.1	333.5	358.5	326.9	339.3	313.4	304.3	279.5	255.4	271.9	287.2	288.5	295.5	309.4	
0-10,000 lbs. GVW, imports *			37.3	42.1	27.3	31.5	28.4	33.7	30.3	31.4	24.0	28.2	26.5	24.5	26.4	28.2	
10,001 lbs. GVW and over †			24.6	25.0	27.6	25.4	24.9	23.8	22.4	23.3	20.6	21.3	21.3	19.6	19.1	19.5	
Retail inventories, domestics, end of period:																	
Not seasonally adjusted	1,134.9	1,074.3	1,158.4	1,193.2	1,081.6	1,073.0	1,095.3	1,170.8	1,166.4	1,074.3	1,071.1	1,022.5	955.1	953.5	960.1	965.1	
Seasonally adjusted @	1,180.1	1,116.9	1,095.1	1,129.5	1,163.3	1,168.6	1,192.0	1,203.0	1,166.5	1,116.9	1,049.7	972.6	902.5	905.2	907.6	912.4	
Exports (BuCensus)	4211.28																
Imports (BuCensus), including separate chassis and bodies	41,022.17																
Registrations, new vehicles, excluding buses not produced on truck chassis	5,100	4,805	425	453	429	419	410	381	343	355	307	290	347	355	379		
Truck trailers and chassis, complete (excludes detachables), shipments, number	181,478		13,206	12,015	10,645	13,128	11,737	12,277	9,465	8,565	8,715	8,422	10,494	10,641	10,764		
Van type, number	130,163		9,305	8,551	7,442	9,490	8,481	8,830	6,586	5,531	5,763	5,562	7,073	7,099	7,207		
Trailer bodies (detachable), sold separately, number	(?)	(?)															
Trailer chassis (detachable), sold separately, number	524,779		1,088	1,551	1,503	994	976	3,429	1,284	744	1,219	827	1,211	1,638	1,740		
RAILROAD EQUIPMENT																	
<i>(Number, unless otherwise specified)</i>																	
Freight cars (new), for domestic use; all railroads and private car lines (excludes rebuilt cars and cars for export):																	
Shipments	29,617	32,063		7,659				7,659					6,397				
Equipment manufacturers	29,617	32,063		7,659				7,659					6,397				
New orders	31,002	27,197		3,996				3,996					6,655				
Equipment manufacturers	31,002	27,197		3,996				3,996					6,655				
Unfilled orders, end of period	16,691	11,328		12,214				12,214					11,328				
Equipment manufacturers	16,691	11,328		12,214				12,214					10,683				
Freight cars (revenue), class I railroads (AAR): ‡																	
Number owned, end of period, thousands	688		678	675													
Capacity (carrying), total, end of month, mil. tons	59.79		59.02	58.79													
Average per car, tons	86.87		87.08	87.15													

See footnotes at end of tables.

FOOTNOTES FOR PAGES S-1 THROUGH S-32

General Notes for all Pages:

r Revised.
p Preliminary.
e Estimated.
c Corrected.

Address requests for data to:

Business Statistics Branch
Current Business Analysis Division (BE-53)
Bureau of Economic Analysis
U.S. Department of Commerce
Washington, D.C. 20230

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† Revised series. See Tables 2.6-2.9 in the July 1990 SURVEY for revised estimates for 1987-89.

‡ Includes inventory valuation and capital consumption adjustments.

§ Monthly estimates equal the centered three-month average of personal saving as a percentage of the centered three-month moving average of disposable personal income.

◇ See note "◇" for p. S-2.

Page S-2

1. Based on data not seasonally adjusted.

◇ Effective April 1990 SURVEY, the industrial production index has been revised back to 1977 and has a new base year of 1987. A more detailed explanation of this revision is in the April 1990 *Federal Reserve Bulletin*. Historical data are available from the Industrial Output Section, Mail Stop 82, Division of Research and Statistics, Federal Reserve Board, Washington, DC 20551.

Includes data not shown separately.

Page S-3

Includes data for items not shown separately.

† Effective with the April 1991 SURVEY, M3 data have been revised to benchmark the data to the 1987 Census of Manufactures and 1988 Annual Survey of Manufactures, and to convert the series to the 1987 SIC codes. Revisions related to benchmarking affect all categories back to 1982. Revisions resulting from the SIC conversion affect about half the categories back to 1958. The coverage for some of the series in the market category has been changed.

Page S-4

1. Based on data not seasonally adjusted.

Includes data for items not shown separately.

‡ Includes textile mill products, leather and products, paper and allied products, and printing and publishing industries; unfilled orders for other nondurable goods industries are zero.

◇ For these industries (food and kindred products, tobacco, apparel and other textile products, petroleum and coal, chemicals and allied products, and rubber and plastics products) sales are considered equal to new orders.

† See note "†" for p. S-3.

Page S-5

@ Compiled by Dun & Bradstreet, Inc.

Includes data for items not shown separately.

§ Ratio of prices received to prices paid (parity index).

† See note "†" for p. S-4.

‡ In the Feb. and July issues of the SURVEY each year, data for the most recent six to eight years are subject to revise and are available upon request.

†† See note "†" for p. S-3.

Page S-6

§ For producer price indexes of individual commodities, see respective commodities in the Industry section beginning p. S-19. All indexes subject to revision four months after original publication.

Includes data for items not shown separately.

† Effective with the Feb. 1991 SURVEY, data have been revised back to 1986 and are available upon request.

Page S-7

1. Computed from cumulative valuation total.

2. Index as of July 1, 1991: building, 408.1; construction, 451.9.

3. Beginning Dec. 1988, series has been discontinued by the Bureau of the Census.

† Effective July 1991 SURVEY, data have been revised back to 1986. Effective July 1990 SURVEY, data were revised back to 1985. Revised data are available from the Construction Statistics Division at the Bureau of the Census, Washington, DC 20233.

Includes data for items not shown separately.

§ Data for Mar., May, Aug., and Nov. 1990, and Jan., May, Aug., and Oct. 1991 are for five weeks; other months four weeks.

◇ Effective Feb. 1990 SURVEY, data for seasonally adjusted housing starts have been revised back to 1987. These revisions are available upon request.

@ Effective Feb. 1990 SURVEY, data for seasonally adjusted manufacturers' shipments of mobile homes have been revised back to 1987.

† Effective May 1990 SURVEY, data for seasonally adjusted building permits have been revised back to 1988 and are available upon request.

* Series first shown in the July 1990 SURVEY. The fixed-weighted price index is a weighted average of the individual price index series used to deflate the Value of New Construction Put in Place (VIP) series. In calculating the index, the weights (the composition of current dollar VIP in 1987 by category of construction) are held constant. Consequently, the index reflects only changes in prices. The implicit price deflator is a derived ratio of total current to constant dollar VIP (multiplied by 100). It is the average of the individual price indexes used in the deflation of VIP, but the prices are weighted by the composition of VIP each period. As a result, the implicit price deflator reflects not only changes in prices, but also changes in the composition of VIP, and its use as a measure of price change is discouraged. Effective July 1991 SURVEY, data have been revised back to 1986.

†† Effective May 1991 SURVEY, the Boeckh indexes have a new base year of 1987.

‡† Effective Sept. 1990 SURVEY, the construction cost index for the Federal Highway Administration has been revised back to 1986 and has a new base year of 1987=100.

Page S-8

1. Advance estimate.

2. Beginning with Feb. 1989 data, associations in conservatorship are excluded.

◇ Home mortgage rates (conventional first mortgages) are under money and interest rates on p. S-14.

§ Data include guaranteed direct loans sold.

Includes data for items not shown separately.

@ Data are for closed mortgage loans of thrift institutions insured by the Savings Association Insurance Fund (SAIF)—FSLIC-insured institutions prior to Sept. 1989.

† Effective April 1991 SURVEY, estimates of wholesale sales have been revised back to January 1988 and wholesale inventories have been revised back to January 1989. Revised data and a summary of changes appear in the report *Revised Monthly Wholesale Trade, Sales and Inventories January 1984-December 1990, BW90-R*, available from the Bureau of the Census, Washington, DC 20233.

‡ Effective March 1991 SURVEY, retail trade data have been revised. Estimates of retail sales have been revised back to January 1988 and inventories have been revised back to January 1989. (In 1990 data were revised back to 1982.) Revised data and a summary of changes will appear in the report *Revised Monthly Retail Sales and Inventories, January 1981-December 1990, BR90-R*, available from the Bureau of the Census, Washington, DC 20233.

Page S-9

1. Advance estimate.

Includes data for items not shown separately.

◇ Effective with the January 1991 SURVEY, the seasonally adjusted labor force series have been revised back to January 1986. The January 1991 issue of *Employment and Earnings* contains the new seasonal adjustment factors, a description of the current methodology, and revised data for the most recent 13 months or calendar quarters. Revised monthly data for the entire 1986-90 revision period appear in the February 1991 issue of *Employment and Earnings*.

† The participation rate is the percent of the civilian noninstitutional population in the civilian labor force. The employment-population ratio is civilian employment as a percent of the civilian noninstitutional population, 16 years and over.

@ Data include resident armed forces.

† See note "†" for p. S-8.

Page S-10

◇ See note "◇" for p. S-9.

§ Effective with the Sept. 1990 and June 1991 issues of the SURVEY, data have been revised, respectively back to April 1988 and April 1989, unadjusted, and back to Jan. 1985 and Jan. 1986, seasonally adjusted, to reflect new benchmarks and seasonal adjustment factors. In addition the Sept. 1990 revision included the conversion of the industry series to 1987 SIC codes. Industry series affected by revisions in the SIC have been revised back to the inception of the series, to the extent possible. In addition, all constant-dollar and indexed series were recomputed on a 1982 base. The Sept. 1990 and June 1991 issues of *Employment and Earnings* contain detailed descriptions of the effects of these revisions. All of the revised historical series will be published in a special supplement to *Employment and Earnings*. This supplement, when combined with the historical bulletin, *Employment, Hours, and Earnings, United States, 1909-90* will comprise the full historical series on national data obtained from the establishment survey.

Page S-11

§ See note "§" for p. S-10.

† This series is not seasonally adjusted because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

◇ Production and nonsupervisory workers.

Page S-12

1. This series is not seasonally adjusted because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision. Use the corresponding unadjusted series.

§ See note "§" for p. S-10.

◇ Production and nonsupervisory workers.

† Earnings in 1982 dollars reflect changes in purchasing power since 1982 by dividing by Consumer Price Index. Effective Feb. 1990 and 1991 issues of the SURVEY, this series has been revised, respectively, back to 1985 and 1986 to reflect new seasonal factors for the CPI-W. Revised data are available upon request.

§§ Effective with the June 1991 SURVEY, data have been revised back to 1989 and are available upon request. Wages as of July 1, 1991: Common, \$18.98; Skilled, \$24.84.

† Excludes farm, household, and Federal workers.

@ Effective with the April 1990 SURVEY, the employment cost index is based on June 1989=100, rather than June 1981=100. Historical data for both June 1989 and June 1981 bases are available from the Bureau of Labor Statistics, Division of Employment Cost Trends, 441 G Street, N.W., Washington, DC 20212.

†† These series were affected by an error in the Sept. 1990 SURVEY. The stub for "Transportation equipment" was omitted. Hourly earnings for "Transportation equipment" were shown following the stub for "Electronic and other electrical equipment". Hourly earnings for "Electronic and other electrical equipment" were shown following the stub for "Industrial machinery and equipment". Hourly earnings for "Industrial machinery and equipment" were shown following the stub for "Machinery, except electrical", which was the former name for that industry (SIC 35).

* Series first shown in the July 1991 SURVEY. Wages and salaries are defined as the hourly straight-time wage rate or, for workers not paid on an hourly basis, straight-time earnings divided by the corresponding hours. Straight-time wage and salary rates are total earnings before payroll deductions, excluding premium or supplemental pay for overtime and for work on weekends and holidays, shift differentials, and nonproduction bonuses such as lump-sum payments provided in lieu of wage increases. Production bonuses, incentive earnings, commission payments, and cost-of-living adjustments are included in straight-time wage and salary rates.

Page S-13

1. Effective Feb. 28, 1989, there was a break in the series due to the enlargement of the panel of reporting dealers to 17 and of reporting direct issuers to 36. End of month figures on the old basis are as follows: All issuers, 481,734; financial companies, 373,717; dealer placed, 172,330; directly placed, 201,387; and nonfinancial companies, 108,017.

2. Average for Dec.

Includes data for items not shown separately.

§ Excludes loans and federal funds transactions with domestic commercial banks and includes valuation reserves (individual loan items are shown gross; i.e., before deduction of valuation reserves).

† Covers 50 States and the District of Columbia. Only regular benefits are included.

@ Average weekly insured unemployment for 12-month period divided by average monthly covered employment (tagging 4 full quarters for annual figure and 2 full quarters for monthly figure).

† Effective Oct. 1989 SURVEY, loans by loan type are provided by the Federal Farm Credit Banks Funding Corporation.

◇ Effective with the April 1990 SURVEY, the reserves of depository institutions have been revised back to 1984 and are available upon request.

Page S-14

1. Data are for fiscal years ending Sept. 30 and may include revisions not distributed to the months.

2. Weighted by number of loans.

3. Beginning Feb. 1988, data suspended by the Farm Credit Administration, which is revising the information it collects and amending the reports it distributes.

§ Effective Mar. 1990 SURVEY, data have been revised to reflect new benchmark and seasonal adjustments and are available from the Banking and Money Market Statistics Section of the Division of Monetary Affairs at the Federal Reserve Board, Washington, DC 20551.

Includes data for items not shown separately.

◇ Excludes loans to commercial banks in the U.S.

† Rates on the commercial paper placed for firms whose bond rating is Aa or the equivalent.

†† Courtesy of *Metals Week*.

@ Average effective rate

† Effective May 1990 SURVEY, the consumer installment credit series have been revised back to 1980 to incorporate new information and updated seasonal adjustment factors. These revisions are available upon request.

* Series first shown in the June 1990 SURVEY.

†† This series, first shown in the June 1990 SURVEY, represents the outstanding balances of loans that the loan originator has sold and are no longer carried on the loan originator's books. The loans are pooled and securities are issued on the pools.

Page S-15

1. Beginning Jan. 1989, the primary public offering statistics have been discontinued by the Securities and Exchange Commission.

2. Effective April 1991 SURVEY, the Security Markets series have been discontinued.

† Effective Feb. 1990 SURVEY, the money stock measures and components have been revised and are available from the Banking Section of the Division of Research and Statistics at the Federal Reserve Board, Washington, D.C. 20551.

†† Includes ATS and NOW balances at all depository institutions, credit union share draft balances, and demand deposits at thrift institutions.

◇ Overnight (and continuing contract) RP's are those issued by commercial banks to the nonbank public, and overnight Eurodollars are those issued by Caribbean branches of member banks to U.S. nonbank customers.

@ Small time deposits are those issued in amounts of less than \$100,000. Large time deposits are those issued in amounts of \$100,000 or more and are net of the holdings of domestic banks, thrift institutions, the U.S. Government, money market mutual funds, and foreign banks and official institutions.

Includes data for items not shown separately.

Page S-16

1. The railroad average was discontinued by Moody's on July 13, 1989. Therefore, the July average reflects only eight working days.

2. Effective Oct. 3, 1990, the German Democratic Republic (GDR; East Germany) ceased to exist as a sovereign state and became a part of the Federal Republic of Germany. Accordingly, effective with the statistics for Oct. 1990, all merchandise imported from or exported to the former GDR will be included as trade with the Federal Republic of Germany.

3. Beginning Jan. 1991 data, Roadway Services, Inc. will be included in the Dow Jones Transportation Average replacing Pan Am Corp. Roadway Services is listed on the NASDAQ National Market System. Comparability with earlier averages is not affected by this change.

@ See note "4" for p. S-19 regarding the new commodity classification systems introduced Jan. 1989. Data may not equal the sum of the geographic regions, or commodity groups and principal commodities, because the revisions to the totals are not reflected in the component items.

§ Number of issues represents number currently used; the change in number does not affect the continuity of the series.

† For bonds due or callable in 10 years or more.

Includes data for items not shown separately.

† Effective with the Mar. 1990 SURVEY, seas. adj. exports and imports have been revised back to Jan. 1988, and are available upon request.

Page S-17

1. Beginning with Jan. 1989 data, undocumented exports to Canada are now included, resulting in a break with Dec. 1988 data.

2. Beginning Jan. 1989, buses are excluded from "Motor vehicles and parts" and included in "Other manufactured goods," resulting in a break with Dec. 1988 data.

3. See note "2" for p. S-16.

@ See note "@" for p. S-16.

† See note "†" for p. S-16.

Includes data not shown separately.

◇ Data include undocumented exports to Canada, which are based on official Canadian import totals.

Page S-18

1. Reported annual total; quarterly or monthly revisions are not available.

2. For month shown.

3. Beginning Aug. 1989, the export and import indexes have been discontinued by the Census Bureau.

Includes data for items not shown separately.

§ Total revenues, expenses, and income for all groups of carriers also reflect nonscheduled service.

† The threshold for Class I railroad status is adjusted annually by the Interstate Commerce Commission to compensate for inflation.

◇ Average daily rent per room occupied, not scheduled rates.

Data represent entries to a national park for recreational use of the park, its services, conveniences, and/or facilities.

† Before extraordinary and prior period items.

@ Changes in these unit value indexes may reflect changes in quality or product mix as well as price changes.

†† Effective with the Dec. 1989 SURVEY, data for 1981-88 have been revised and are available upon request.

††† Effective with the Mar. 1990 SURVEY, data for 1985-89 have been revised and are available upon request.

Page S-19

1. Reported annual total; monthly or quarterly revisions are not available.

2. Less than 500 metric tons.

3. Figure suppressed because it did not meet Census publication standards.

4. Beginning with 1989 data, merchandise trade data are based upon two new commodity classification systems; the International Harmonized System and, Revision 3 of the Standard International Trade Classification and, as a result, data may not be directly comparable to 1988 and earlier years.

5. Data are partially estimated for this quarter and are not available.

6. Beginning in 1991, data are available only on a quarterly basis.

Includes data for items not shown separately.

§ Data are reported on the basis of 100 percent content of the specified material unless otherwise indicated.

† Effective with the Jan. 1990 SURVEY, revisions for 1987-88 are available upon request.

Page S-20

1. Reported annual total; monthly or quarterly revisions are not available.

2. Quarterly data are no longer available.

3. See note 4 for p. S-19.

4. Beginning in 1991, data are available only on a quarterly basis.

§ Data are not wholly comparable from year to year because of changes from one classification to another.

@ Includes less than 500 electric generation customers not shown separately.

† Effective with the Jan. 1990 SURVEY, revisions for 1987-88 are available upon request.

◇ Effective with the Dec. 1989 SURVEY, revisions for 1987-88 are available upon request.

Page S-21

1. Previous year's crop. New crop is not reported until Sept. (crop year: Sept. 1–Aug. 31).
2. Crop estimate for the year.
3. Stocks as of June 1.
4. Stocks as of June 1 and represents previous year's crop; new crop not reported until June (beginning of new crop year).
5. Series has been discontinued.
6. Stock estimates are available once a year as June 1 stocks and shown here in the May column and (as previous year's crop) in the annual column.
7. Stocks as of Dec. 1.
8. See note 4 for p. S-19.
- § Excludes pearl barley.
- @ Quarterly data represent the 3-month periods Dec.–Feb., Mar.–May, June–Aug., and Sept.–Nov. Annual data represent Dec.–Nov.
- † Coverage for 21 selected States, representing approximately 85 percent of U.S. production.

Page S-22

1. See note 4 for p. S-19.
- § Cases of 30 dozen.
- * Series first shown in the Jan. 1991 SURVEY.

Page S-23

1. Crop estimate for the year.
2. Reported annual total; revisions not distributed to the months.
3. Data suppressed because they did not meet Census publication standards.
4. See note 4 for p. S-19.
5. Data withheld to avoid disclosing figures for individual companies.
6. Beginning in 1991, data are available only on a quarterly basis.
- # Totals include data for items not shown separately.

Page S-24

1. Reported annual total; monthly revisions are not available.
2. See note 4 for p. S-19.
3. Less than 500 tons.
4. Beginning in 1990, monthly data have been discontinued. Annual data will continue to be available.

Page S-25

1. Reported annual total; monthly revisions are not available.
2. For month shown.
3. Effective with Jan. 1989, import data are for consumption; earlier periods of data are general imports. See also note 4 for p. S-19 regarding the introduction of new classification systems.
4. Beginning in 1990, monthly data have been discontinued. Annual data will continue to be available.
- @ Includes foreign ores.
- § Source: *Metals Week*.

Page S-26

1. Reported annual total; monthly revisions are not available.
2. Less than 50 tons.
3. See note 3 for p. S-25.
4. Break in comparability beginning Jan. 1, 1991, because of a change in the *Metals Week* pricing series for zinc.
- ◇ Includes secondary smelters' lead stocks in refinery shapes and in copper-base scrap.
- † Source for monthly data: American Bureau of Metal Statistics. Source for annual data: Bureau of Mines.
- # Includes data not shown separately.
- ‡ Effective April 1991 SURVEY, the materials handling index has been revised back to 1982 and now includes lift trucks. The index also includes new orders for automatic guided vehicles, automated storage and retrieval systems, below hook lifters, cranes, hoists, monorails, racks, shelving, casters and floor trucks, and conveyors. Revised data are available upon request.
- @@ Price represents North American Mean.
- @ Effective with the Sept. 1990 SURVEY, the new orders index numbers have been converted to a new base year of 1987=100. Data back to 1988 are available upon request.

Page S-27

1. Annual total includes revisions not distributed to the months.
2. See note 4 for p. S-19.
3. Beginning in 1990, quarterly data have been discontinued. Annual data will continue to be available.
4. Beginning with May 1991 data, monochrome production numbers are no longer included.
- # Includes data for items not shown separately.
- § Includes nonmarketable catalyst coke.

- ◇ Includes small amounts of "other hydrocarbons and alcohol new supply (field production)," not shown separately.
- ‡‡ March, June, September and December are five-week months. All others consist of four weeks.

Page S-28

1. Reported annual total; revisions not allocated to the months.
2. See note 4 for p. S-19.
3. Beginning May 1991, the leaded gasoline price is not statistically valid for publication.
- # Includes data for items not shown separately.

Page S-29

1. Reported annual total; revisions not allocated to the months.
2. See note 4 for p. S-19.
- ◇ Source: American Paper Institute. Total U.S. estimated consumption by all newspaper users. See also note "†" for this page.
- § Effective with the October 1990 SURVEY, data have been revised back to 1989 to reflect adjustments made by the Rubber Manufacturers Association's Rubber Statistical Committee.
- ‡ Effective with the October 1990 SURVEY, synthetic data consisting of Butyl, polyisoprene, polychloroprene, silicone, and other elastomers have been revised in keeping with data provided by the Census Bureau's MA30A report beginning in 1990. Also see note "§" on this page.
- # Compiled by the American Newspaper Publishers Association.
- † Effective with the March 1990 SURVEY, Canadian newsprint statistics have been revised back to Jan. 1982 to exclude supercalendered and some soft-nip calendered paper that was originally classified as newsprint and is now classified as uncoated groundwood papers. This revision also affects estimated consumption. Revised data are available upon request.

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1. Reported annual total; revisions not allocated to the months.
2. Data are being withheld to avoid disclosing data from individual firms.
3. Data cover five weeks; other months, four weeks.
4. Beginning Jan. 1989, sales of industrial plasters are included with building plasters.
5. Jan. 1, 1991 estimate of the 1990 crop.
6. Total for crop year, Aug. 1–Jul. 31.
7. Beginning in 1991, data are available only on a quarterly basis.
- # Includes data for items not shown separately.
- ◇ Cumulative ginnings to the end of month indicated.
- § Bales of 480 lbs.

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1. Less than 500 bales.
2. Annual total includes revisions not distributed to the months.
3. Average for crop year; Aug. 1–Jul. 31.
4. For five weeks; other months four weeks.
5. See note 4 for p. S-19.
6. Beginning in 1990, data are available only on a quarterly basis.
7. Beginning in 1991, data are available only on a quarterly basis.
- ◇ Based on 480-lb. bales, preliminary price reflects sales as of the 15th; revised price reflects total quantity purchased and dollars paid for the entire month (revised price includes discounts and premiums).
- § Bales of 480 lbs.
- † The total may include some miscellaneous wool imports.
- * Series first shown in the July 1990 SURVEY.

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1. Annual total includes revisions not distributed to the months.
2. Production of new vehicles (thous. of units) for June 1991: *passenger cars, 476; trucks and buses, 319.*
3. Data are reported on an annual basis only.
4. See note 4 for p. S-19.
5. Beginning Jan. 1989, shipments of trailer bodies are included with trailer chassis to avoid disclosure of data from individual firms.
6. Effective with the August 1990 SURVEY, data have been revised back to 1987 and are available upon request.
7. Data withheld to avoid disclosing figures for individual companies.
- # Total includes backlog for nonrelated products and services and basic research.
- § Domestic cars comprise all cars assembled in the U.S. and cars assembled in Canada and imported to the U.S. under the provisions of the Automotive Products Trade Act of 1965. Imports comprise all other cars.
- ◇ Courtesy of R.L. Polk & Co.; republication prohibited. Because data for some States are not available, month-to-month comparisons are not strictly valid.
- * Series first shown in the August 1990 SURVEY.
- † Includes some imported trucks over 10,000 lbs. GVW.
- ‡ Excludes railroad-owned private refrigerator cars and private line cars.
- @ Effective with the Mar. 1991 SURVEY, seasonally adjusted retail inventories for trucks and buses have been revised back to 1989, and are available upon request.

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