

# Employment and Earnings

## October 1978



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In this issue:  
Establishment data adjusted to new benchmarks  
and conversion to the 1972 SIC





## U.S. DEPARTMENT OF LABOR

Ray Marshall, Secretary

### BUREAU OF LABOR STATISTICS

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<sup>1</sup> The issue that introduces new benchmarks varies. The October 1978 issue marks the introduction of March 1977 benchmarks and conversion to the 1972 SIC.

<sup>2</sup> Revised data introduced October 1978.

# Employment and Earnings

Vol. 25 No. 10 October 1978

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Editors: Chester L. Green, Gloria P. Green, Rosalie K. Epstein

## Editor's Note

Beginning with this issue, establishment-based data (national series) have been revised to conform to the industry definitions of the 1972 Standard Industrial Classification (SIC) Manual and to reflect employment benchmark levels (comprehensive counts of payroll employment) for March 1977. In addition, all seasonally adjusted data have been revised, based on experience through May 1978. For a discussion of the effect of these revisions, see the article, "BLS Establishment Estimates Revised to Reflect New Benchmark Levels and 1972 SIC," that appears on page 8. New seasonal factors for use in current adjustment and historical series of revised seasonally adjusted data from the earliest dates of availability are shown on pages 180-247.

Historical data in available industry detail (not seasonally adjusted) for 1972 through June 1978 may be obtained on microfiche (at \$4.55 per set) from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia, 22161. When ordering please specify *Employment and Earnings, United States, 1972-78*, BLS Bulletin 1312-11(M), PB 285565.

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# Employment and Unemployment Developments, September 1978

Unemployment was virtually unchanged in September. The Nation's overall unemployment rate was 6.0 percent, not much different from the 5.9 percent in August; the number of unemployed persons totaled 6 million in each month.

Total employment—as measured by the monthly survey of households—advanced by 290,000 in September to 94.9 million, whereas nonfarm payroll employment—as measured by the monthly survey of establishments—was about unchanged at 86.1 million. Although the two surveys often register different over-the-month movements, they tend to be more consistent over longer periods. Thus, the September employment levels in both the household and payroll surveys were little changed from June, and were up 3.5 and 3.2 million, respectively, over the year.

## Unemployment

The overall number of unemployed—6 million—and the jobless rate—6.0 percent—were virtually unchanged from August, continuing the pattern of narrow fluctuations around these levels since early in 1978. There has been a fairly substantial drop in unemployment over the past year, however.

The unemployment rate for adult women (6.0 percent) and adult men (4.0 percent) also was little changed from August, while the teenage rate posted an increase to 16.6 percent. Though still considerably below the year-ago level, teenage joblessness was up from the summer when their rate averaged 15.4 percent. Little change occurred in September for most other worker categories, including black and white workers, full- and part-time workers, and nearly all occupational and industry groups. (See table A-36.)

A decline in the number of unemployed who had lost their last job was countered by an increase among those reentering the labor force following a period of absence. The average (mean) duration of unemployment edged up by about one-half week in September to 11.6 weeks but was 2.3 weeks below the average duration of a year ago. Approximately one-half of the unemployed had been looking for work for 6 weeks or less. (See tables A-37 and A-39.)

## Total employment and the labor force

The number of employed persons increased by 290,000 in September to 94.9 million. A substantial increase in the

number of adult women with jobs accounted for the bulk of the increase. The only major demographic group that experienced a decline in employment was teenagers, as an unusually large number of specially created summer jobs ended coincident with the beginning of the new school year. Thus, teenage employment returned to the May level but still showed considerable improvement from a year earlier.

The proportion of the population that is employed was 58.7 percent in September, little changed from August but well above the year-ago level. (See table A-33.)

The civilian labor force was 100.9 million in September, up 320,000 from August and 2.9 million from a year ago. As with the employment changes, adult women accounted for most of the labor force increase, and, for the first time ever, more than half of their population was working or seeking work. The overall civilian labor force participation rate was 63.3 percent in September, back to the all-time high attained in June and July.

## Discouraged workers

Discouraged workers are persons who report that they want work but are not looking for jobs because they believe they cannot find any. Because they do not meet the labor market test—that is, they are not engaged in active job search—they are classified as not in the labor force rather than unemployed. These data are published on a quarterly basis.

The number of discouraged workers averaged nearly 900,000 in the third quarter, little changed from the second quarter after having declined since the last quarter of 1977. As has been the case in the past, approximately 70 percent of this number cited job-market factors as the reason for their discouragement. (See table A-53.)

## Industry payroll employment

Nonagricultural payroll employment, at 86.1 million, was essentially unchanged from August and was about on a par with June and July levels as well. Additions to payrolls in September occurred in 54 percent of the 172 industries that comprise the BLS diffusion index of private nonagricultural employment. Nonfarm jobs have risen markedly over the past year, however, posting an increase of 3.2 million. (See tables B-4 and B-7.)

There was comparatively little employment change in manufacturing between August and September. After

posting substantial job gains in late 1977 and early 1978, factory employment growth has abated, as the job total had held about steady at 20.3 million over the last 6 months. Generally small gains in the durable goods industries during that period tended to be offset by equally small declines in nondurables. Over the past year, 535,000 jobs have been added to durable goods payrolls, whereas the nondurable goods industries have recorded job gains of only 35,000.

Employment in construction has also been about unchanged at 4.3 million since June, after having posted substantial gains during the first half of the year.

Likewise, growth in the service-producing sector has slowed considerably during the last 3 months. In September, the only movement of note occurred in State and local government where there was a decline of 85,000 employees, partially accounted for by a sizeable increase (23,000) in the number of persons on strike.

#### Hours

The average workweek for production or nonsupervisory workers on private nonagricultural payrolls was 35.8 hours in September; it has been at about this level since

May. The manufacturing workweek, at 40.4 hours, was also unchanged over the month, while factory overtime edged up 0.1 hour to 3.6 hours; both have shown little movement over the last several months. (See table C-7.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls was little changed in September at 120.5 (1967=100). The overall index has increased by 3.6 percent from a year ago but has shown little movement since June. (See table C-9.)

#### Hours and weekly earnings

Average hourly earnings of production or nonsupervisory workers on private nonfarm payrolls advanced 0.5 percent in September and 8.3 percent from a year ago (seasonally adjusted). Average weekly earnings also increased 0.5 percent over the month. Since September 1977, weekly earnings have risen by 8.0 percent.

Before adjustment for seasonality, average hourly earnings rose a dime to \$5.80, 45 cents above the level of last September. Average weekly earnings were \$208.22, \$1.88 above their August level and \$15.08 higher than a year earlier. (See tables C-1 and C-8.)

# BLS Establishment Estimates Revised to Reflect New Benchmark Levels and 1972 SIC

\* Michael Buso and  
William C. Bennett, Jr.

The establishment-based national employment estimates appearing monthly in this publication have been revised to new levels to reflect more complete counts of employment, called benchmarks. Also, the series have been converted to reflect the industry definitions published in the 1972 *Standard Industrial Classification (SIC) Manual*.<sup>1</sup> This marks the first complete benchmark revision since the March 1974 benchmark levels were introduced in October 1975, and the first major industry reclassification since the 1957 SIC was introduced in 1961.<sup>2</sup> New stratification patterns for the estimation procedure have also been introduced, both for compatibility with the revised SIC and for improved accuracy in estimation. This article reviews the effects of the latest (March 1977) benchmarks on the employment estimates and discusses the conversion of the national industry series to the 1972 SIC system.

New benchmarks were last introduced to the national establishment-based estimates in October 1975, when the estimates were revised to agree with complete employment counts for March 1974. That revision, however, was based on the 1967 SIC system. The benchmark revisions introduced in this issue are based on the 1972 SIC system. The individual establishment reports used to generate the estimates have been recoded in accordance with the new industry definitions, and all estimates have been rebtabulated from January 1972 forward. To accurately construct historical series, benchmarks based on the 1972 SIC were tabulated for March of 1973, 1975, and 1976. Industry data prior to 1972 have been reconstructed, where feasible, to conform to the 1972 SIC.

Coincident with the benchmark adjustment of estimates of total industry employment, the estimates of labor turnover, employment of women, and production and non-supervisory worker employment, hours, and earnings, and all seasonally adjusted series, have been revised, because they are derived from or weighted by the estimates of total employment. These revisions also will be discussed in this article.

The benchmark review serves as a quality control process by providing both a precise measure of employment levels and an analysis of series trends. Normally, new benchmarks are determined for March of each year at the

most detailed industrial classification for which estimates are made. The difference between the benchmark and the corresponding estimate is assumed to have accumulated in constant increments over the previous 12 months. (See discussion below under "Why estimates differ from benchmarks.") Most series, therefore, are adjusted by wedging or tapering out the difference over the period from the new benchmark to the preceding one, 12 months earlier. The benchmark level is then projected forward to the current month based on the trend of monthly reports submitted by a sample of employers. The estimates adjusted to the new levels are then aggregated through successively larger groupings to total nonagricultural employment.

## Conversion to 1972 SIC

The SIC system is revised periodically to reflect the changing industrial composition of the economy, although efforts are made to maintain comparability with estimates produced under earlier classification systems. The 1972 SIC system is the culmination of several years of work by industry specialists in both the private and public sectors.

With this issue, the BLS has begun the publication of national estimates tabulated under the 1972 SIC system. The publication of State and area estimates tabulated under the 1972 SIC system was begun earlier.

The most noticeable difference in the revised SIC is the treatment of government. All establishments primarily engaged in the same type of economic activity are now similarly classified, whether they are privately or publicly owned. However, the BLS has continued to tabulate and estimate statistics with ownership distinctions, thus maintaining continuity with previously published statistics for the private and government sectors, and continuing to provide this useful information.

\* Michael Buso is an economist and William Bennett is a statistician in the Division of Industry Employment Statistics, Office of Employment Structure and Trends, Bureau of Labor Statistics. Carol M. Utter, a supervisory statistician in the division, provided technical guidance in the preparation of the article.

<sup>1</sup> Issued by the Executive Office of the President, Office of Management and Budget.

<sup>2</sup> Minor revisions in the SIC system were made in 1958, 1963, and 1967.

Other noteworthy changes in the SIC system are as follows:

1. Construction—Building construction now is divided into residential and nonresidential categories and includes operative builders (transferred from the Finance, insurance, and real estate division).
2. Manufacturing—"Ordnance" has been discontinued and its components have been spread among other durable goods industries—particularly Transportation equipment, Fabricated metal products, and Instruments and related products.
3. Trade—Wholesale trade and retail trade have been given the status of separate divisions. Wholesale trade classifications have been reorganized to distinguish between durable goods wholesalers and nondurable goods wholesalers. Also, some former retail activities have been transferred to Wholesale trade.
4. Finance, insurance, and real estate—As indicated above, operative builders have been transferred to the Construction division. Further, three small industries—credit card services, financial leasing of vehicles, and mobile home site operators—have been transferred from Services to Finance.
5. Services—Now excludes approximately 60,000 employees in the forestry, fisheries, and agricultural services industries formerly included in the BLS nonagricultural employment counts under the 1967 SIC.

The remaining divisions have no major changes that cross division lines. Table 5 presents the major changes in the 2-digit industries for which monthly employment estimates will be published. The 1967 SIC codes are compared, and the magnitude of employment affected is noted.

This issue of *Employment and Earnings* presents revised seasonally adjusted historical data for broad indus-

try categories of employment, hours and earnings, and labor turnover (p. 286). Complete detailed data for all series will be published in *Employment and Earnings, United States, 1909-78*, (Bulletin 1312-11) which will be available later this year. The bulletin will be for sale by the Superintendent of Documents, U.S. Government Printing Office, or at any BLS Regional Office. Microfiche and magnetic tape versions are currently available from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, Virginia 22161.

The BLS will publish monthly employment series for 508 industries and industry groups of the nonagricultural sector as defined under the 1972 SIC system, an increase from the 417 industries published under the 1967 SIC system. These represent most of the significant industries in the nonagricultural sector. Industries for which monthly data are not published either are very small or are not supported by a sufficient sample. However, for convenient reference, table 6 gives the benchmark employment figures and employment estimates for March of 1972 through 1977 for all industries for which benchmarks are available.

#### **1977 nonagricultural employment totals revised by only 0.1 percent**

The March 1977 total nonagricultural employment benchmark of 80.5 million was 54,000 below the corresponding sample-based estimate—a difference of only 0.1 percent. Conversion to the 1972 SIC system resulted in removing approximately 60,000 workers in forestry, fisheries, and agricultural services previously included in the BLS nonagricultural employment count.

The employment estimates for the total nonagricultural sector and for the major industry divisions generally have varied from benchmarks by less than 1 percent. Table 1 indicates the magnitude of the differences arising from the current revision, by year and industry division. For March 1977, relative adjustments for each of the major industry

**Table 1. Differences between previously published employment estimates and revised levels, by industry division, March, 1972-77**

(Percent)

Industry division	1972 <sup>1</sup>	1973 <sup>2</sup>	1974 <sup>1,2</sup>	1975	1976	1977
Total .....	( <sup>3</sup> )	( <sup>3</sup> )	-0.1	-0.1	-0.1	-0.1
Mining .....	0.5	0	-.4	1.5	.3	-2.7
Construction .....	2.1	2.0	3.1	1.2	-.3	-.6
Manufacturing .....	.3	.5	.2	-.2	.1	.4
Transportation and public utilities..	.7	.2	.3	1.0	1.0	1.8
Wholesale and retail trade .....	-.1	-.3	-.2	-.2	.2	-.5
Finance, insurance, and real estate..	-.9	-.8	-1.4	-1.5	-1.0	-1.0
Services .....	-1.1	-.7	-1.2	-.9	-.4	-.6
Government .....	( <sup>3</sup> )	-.1	( <sup>3</sup> )	( <sup>3</sup> )	-.3	-.8

<sup>1</sup> The revised levels for March 1972 and March 1974 are estimates, not universe counts.

universe counts based on the 1967 SIC system.

<sup>2</sup> The prior figures for March 1973 and March 1974 reflected

<sup>3</sup> A downward revision of less than 0.05 percent.

divisions were 1 percent or less except for mining, and transportation and public utilities. An interim revision of selected series introduced in February 1977 did much to moderate the magnitude of the current benchmark revision. The March 1977 benchmark revisions to the construction, trade, and government divisions would have been over 1 percent without the interim revision.

BLS monthly estimates of employment are published under the SIC system in considerable industry detail—at the industry group (3-digit SIC) level for most nonmanufacturing industries and at the industry level (4-digit SIC) for many manufacturing industries. While conversion to the 1972 SIC has affected industry divisions to some extent, the major groups (2-digit SIC), and 3-digit and 4-digit industry estimates have been affected to a much greater extent. (See table 5 for details.) Of the 61 major (2-digit) groups, one-half (31 groups) were revised 3 percent or more; however, when adjusted for the effects of the SIC conversion, only one-fourth (15 groups) were revised by 3 percent or more (tables 2 and 3). The SIC conversion had a major impact on 3- and 4-digit industries. For example, of the 201 published 3-digit industries, only 78 were not affected significantly by SIC changes.

**Table 2. Distribution of published private 2-digit industries by percent difference between BLS estimates and benchmark for March 1977**

Difference	Number of industries	
	Total revision	Excluding effects of SIC conversion
Total .....	61	61
0-0.9 percent .....	12	18
1.0-1.9 percent .....	9	15
2.0-2.9 percent .....	9	13
3.0 percent and over.....	31	15

#### Estimates prior to 1977 also reflect new benchmarks

The revised March 1975 and March 1976 employment levels differ from the earlier estimates both because of the SIC conversion and because of the factors normally associated with benchmark revisions. The revised March 1973 employment levels differ from the levels published earlier only because of the SIC conversion. The correction of industry classification of individual establishments, which was done as part of the SIC conversion, contributed to the shift of employment from one industry to another.

Benchmarks based on the 1972 SIC system were not constructed for March 1972 and March 1974. The statistics for those months published in tables 1 and 6 of this article reflect estimated employment levels and not benchmarks.

A review of the benchmark source material for March 1974 indicated that only slight adjustments to the estimates

could be expected from full benchmark processing for that month. Because the benchmark procedure is both expensive and time consuming, and because of the minimal expected benefit, the procedure was not executed for March 1974. As a result, the estimates for the months between March 1973 and March 1975 reflect a wedging or tapering of sample-based estimates—projected from the March 1973 levels—over that 24-month period to agree with the March 1975 levels.

The estimates for January 1972 to March 1973 reflect the adjustment of sample-based estimates to meet the March 1973 benchmark employment levels. Because the expansion of UI coverage beginning in January 1972 initially caused problems of inaccuracy and delinquency in the benchmark source material, it was impractical to construct benchmarks for March 1972 with the same degree of accuracy as those prepared for subsequent years. The estimates prior to March 1973 could not be tapered to an earlier benchmark because no comparable benchmark was available for an earlier period. Individual establishment statistics for March 1971 coded to the 1972 SIC were not available because the revision to the new classification system had not yet been introduced. Furthermore, the 1972 expansion in UI coverage greatly increased the accuracy of the benchmark process for subsequent years. Before 1972, employment of establishments not covered by UI laws was estimated from less accurate sources. The March 1973 employment benchmarks (based on the 1967 SIC) indicated that an undercount of over 1 million employees had resulted from the inaccuracies of estimating non-UI-covered employment. For more information on the effects of the expansion in UI coverage on the employment estimates, see "BLS Establishment Estimates Revised to March 1973 Benchmark Levels" by Carol Utter, which was published in the December 1974 issue of *Employment and Earnings*.

#### Why estimates differ from benchmarks

There are five basic reasons for the differences between benchmarks and estimates: (1) changes in industrial classification of individual establishments, (2) errors in the industrial classification of individual establishments, (3) errors in trend caused by nonrepresentative samples, (4) errors in adjustment for entry of new firms, and (5) improvements in the quality of the benchmark data.

First, an establishment is classified by industry according to its major activity, which is determined by the principal product produced or handled, or service rendered. An establishment may engage in more than one activity. If its output of products or services changes so that what was once a secondary product or activity becomes a primary one, the establishment is reclassified to the industry of its new major activity. These changes are introduced into the employment estimates at the time of the benchmark adjustment, based on annual product reports. Thus, differences between estimates and benchmarks for an industry may result because the estimates are linked forward

from former benchmark levels which do not reflect intervening classification changes for individual establishments.<sup>3</sup>

Second, in this revision the industrial classification of establishments in the benchmark tabulations has been thoroughly reviewed, and errors in the previous classification code have been corrected.

Third, there is necessarily a certain amount of error in sample-derived estimates. A complete monthly count of employment would reflect all changes in the level from month to month but complete coverage involving 4-5 million reports each month would be prohibitively expensive and time consuming. Derived from a sample of approximately 165,000 establishments, the BLS payroll series provide estimates at moderate cost within 3 weeks of the reference week. Annual benchmark revisions, which are normally an integral part of the BLS establishment survey program, remove the effect of these small sampling errors from the estimates. When annual adjustments are not possible, subsequent revisions are likely to be somewhat larger.

Fourth, differences between estimates and benchmarks arise from the method of adjustment used to take account of the entry of new firms. The BLS establishment survey uses the benchmark link-relative estimating technique, which is a form of ratio estimation. The employment estimates for a month are projected from the level estimated for the previous month based on the change in employment levels indicated by the firms responding to the survey. It is difficult, in the BLS establishment survey, to identify and solicit reports from newly formed businesses in time for inclusion in the estimates of employment for the earliest months that the businesses are in existence. This can be a major cause of error in the estimates, because the estimates for subsequent months reflect the earlier errors.

The BLS has developed business "birth" adjustment factors which are applied to the employment estimates to correct for the effects of average business birth rates. The business birth adjustment factors, which vary by industry, are based on past experience and are reviewed and recalculated as part of the benchmarking process. The rates of business formation change over time, especially over the business cycle, and thus correction for errors in estimates of business births contributes to the magnitude of the benchmark revision.

Research is underway to improve the methods of calculating business birth adjustment factors. Beginning with this revision, the factors for the construction industry have been designed to vary with the business cycle as reflected in current independent sources of data.<sup>4</sup> Cyclically dependent factors for other industries may be developed in the near future.

Revised business birth adjustment factors are used beginning with April 1977 in the current revision. The effect of the new factors is noteworthy only in several trade and services industries where the revised factors have a cumula-

tive effect of adding about 200,000 employees to the over-the-year (1977-78) change.

A fifth, generally infrequent, cause of differences arises from improvements in the quality of the benchmark source data. The expansion of UI coverage to small firms in 1972, which eliminated the need to estimate the employment of many small establishments, was a recent example of this type of change.

#### Benchmark source material

UI records are the primary sources of benchmark data. With the expansion of UI coverage in 1972, 97 percent of employees on payrolls of private nonagricultural establishments are now included in the UI tabulations. For the few remaining industries exempt from mandatory UI coverage, the BLS uses other sources of information. Data on employees covered under social security laws, published by the Bureau of the Census in *County Business Patterns*, are used to augment the UI data for nonoffice insurance sales workers and private educational services. Data for interstate railroads are obtained from the Interstate Commerce Commission, and benchmarks for private elementary and secondary schools are derived from data obtained from the U.S. Office of Education and the National Catholic Welfare Conference. Employment figures for religious organizations are obtained from data provided by the National Council of Churches and recent surveys of churches conducted by several State agencies. These sources have been used for benchmarking for a number of years.

Employment estimates for the Federal Government are derived from official summaries of Federal employment prepared by the Civil Service Commission (CSC). These summaries are complete counts of Federal workers and are not subject to benchmark revisions.<sup>5</sup> However, conversion to the 1972 SIC makes possible breakouts by industry, such as hospitals, which will be published beginning with statistics for 1975. Since the CSC does not prepare industry summaries on a monthly basis, the BLS will project such estimates from a sample of Federal establishments.

In benchmarking the State and local government sector, the BLS has for many years used the 5-year censuses of government and the annual surveys of government conducted by the Bureau of the Census, because some States had not provided UI coverage to workers in these industries.<sup>6</sup> For the current revision (relating to October

<sup>3</sup> The changes are wedged or tapered into the estimates over the year in which the change in primary activity took place.

<sup>4</sup> Independent sources include building permits, housing starts, net business formations, and money supply.

<sup>5</sup> Employees of the Central Intelligence Agency and the National Security Agency and employees of the Department of Defense paid from nonappropriated funds are not included in the CSC summaries or these estimates.

<sup>6</sup> Unemployment insurance coverage was extended to all State and local government employees in January 1978. The BLS expects to begin using the tabulations resulting from that expanded coverage as a universe count when data for the month of March 1979 become available.

1976 Survey of Government levels) as well as the interim revision introduced in February 1977 (October 1975 levels), the BLS has supplemented the Census data with information from studies and censuses conducted by some States.

The Bureau's reporting sample is also an important source of benchmark information. Since sample reports are current and are reviewed monthly, reporting errors, detected and corrected in the sample reports, can also be corrected in the corresponding benchmark reports. The industry classification of each sample establishment is reviewed annually on the basis of information supplied by the employer. Changes in industry classification of sample reports often precede such changes in other sources of information. Insofar as sample reports were known to differ from the corresponding employer's reports included in other benchmark source material, the data in the other sources were modified accordingly.

#### Other BLS establishment-based series also revised

Benchmarks are not available for the employment of women and production or nonsupervisory worker employment series. These series are produced by applying an estimated ratio of these workers to the estimated all employees figures. The ratios are derived monthly from the BLS reporting sample. Benchmarks are not available for the hours and earnings and labor turnover series, and they too reflect only the reporting sample. For primary estimating cells, i.e. region and/or size strata within the most detailed industry classifications, the women-worker/all-employee ratio, the production-worker/all-employee ratio, the average weekly hours, average hourly earnings, and labor turnover rates are computed directly from reported figures. Series for broader industry groupings, however, require a weighting mechanism to yield meaningful averages. The employment estimates for the primary cells are used as weights for the employment of women, labor turnover rates, and production or nonsupervisory worker employment estimates for broader industry groupings. The production or nonsupervisory worker employment estimates for the primary cells are used as weights for the hours and earnings estimates for the broader industry groupings.

Adjustment of the all-employee estimates to new benchmarks may result in reallocation of weights, which, in turn, may change the labor turnover, employment of women, and the production or nonsupervisory worker employment, hours, and earnings estimates. For the employment estimates—women and production or nonsupervisory workers—the revisions at the estimating cell level are added to become the summary level revision. To influence the hours, earnings, and labor turnover averages of a broad group, employment changes have to be relatively large and

must affect industries which have substantially higher or lower averages than the other industries in their group. Generally speaking, new benchmarks do not change hours and earnings and labor turnover series for broader groupings by more than 0.1 hour, 1 cent, or 0.1 per 100 employees, respectively. Conversion to the 1972 SIC is introducing new stratification patterns as well as extensive changes in classification. These changes have resulted in revisions in averages which are larger than would be expected if the current revision were confined to a reallocation of weights. The changes in the hours, earnings, and labor turnover estimates are shown in table 4.

#### Revision of seasonally adjusted data

All seasonally adjusted series have been revised from the beginning point of the series forward.<sup>7</sup> The series reflect experience through May 1978.

The seasonal adjustment programs used to adjust establishment-based series incorporate an adaptation of the standard ratio-to-moving-average method. They provide for "moving" adjustment factors to take account of changing seasonal patterns. Each year of data added to a series will change the previous few years' factors slightly, even when the unadjusted figures for those years remain the same.

The *BLS Seasonal Factor Method*, which is used to seasonally adjust the employment, hours, and earnings series, was designed for time series with steady or slowly changing seasonal patterns. Some series are not adequately adjusted by this method. The retail trade employment series, which has been affected in recent years by abrupt shifts in the magnitude of Christmas employment, and which is also affected significantly by the shifting date of Easter, is subjected to special seasonal adjustment procedures. The BLS also takes into account, in seasonally adjusting the employment series for the transportation equipment industry, the shifting dates of automobile plant retooling during the summer months. The Federal Government series is adjusted to remove the effect of the temporary hiring of postal workers at Christmas time. Special adjustments have been used for a number of years in seasonally adjusting these series.

Seasonal factors in labor turnover reflect the variation in the number of times a day of the week (Monday, for example) falls in 1 month. To eliminate this calendar irregularity, the Bureau uses "trading day" factors. The *Census X-11 Method* with the "trading day" option is used in adjusting the labor turnover series; the BLS method does not include this option.

<sup>7</sup> Although BLS policy is to limit the revision of seasonally adjusted series to the last 5 years when including an additional year of experience, this broad revision has required the replacement of the full seasonally adjusted series.

**Table 3. March 1977 benchmark and estimate employment levels, and comparison of revision sources, selected major industry groups**

(Employment in thousands)

Industry	March 1977 benchmark (1972 SIC)	March 1977 estimate (1967 SIC)	Difference between benchmark and estimate		
			Actual	Percent	Percent excluding effects of SIC conversion
Total .....	80,493	80,547	-54	-0.1	( <sup>1</sup> )
Mining .....	805	827	-22	-2.7	-2.7
Construction .....	3,430	3,451	-21	-.6	-2.2
Manufacturing .....	19,253	19,183	70	.4	.4
Durable goods .....	11,322	11,246	76	.7	.7
Ordnance and accessories <sup>2</sup> .....	-	155.4	-	-	-
Lumber and wood products .....	686.6	614.0	72.6	11.8	1.8
Furniture and fixtures .....	450.9	498.4	-47.5	-9.5	-5.2
Stone, clay, and glass products .....	640.3	625.9	14.4	2.3	1.8
Primary metal industries .....	1,170.7	1,190.8	-20.1	-1.7	2.8
Fabricated metal products .....	1,543.1	1,415.9	127.2	9.0	1.3
Machinery, except electrical .....	2,139.8	2,148.1	-8.3	-.4	-1.0
Electric and electronic equipment .....	1,823.3	1,886.6	-63.3	-3.4	-.2
Transportation equipment .....	1,832.2	1,775.4	56.8	3.2	.9
Instruments and related products .....	605.6	521.8	83.8	16.1	3.4
Miscellaneous manufacturing industries .....	429.7	413.5	16.2	3.9	3.9
Nondurable goods .....	7,931	7,937	-6	-.1	-.1
Food and kindred products .....	1,637.7	1,661.4	-23.7	-1.4	-1.4
Tobacco manufactures .....	67.2	63.9	3.3	5.2	5.2
Textile mill products .....	907.0	969.8	-62.8	-6.5	-6.5
Apparel and other textile products .....	1,309.8	1,286.9	22.9	1.8	1.8
Paper and allied products .....	680.3	682.9	-2.6	-.4	-.4
Printing and publishing .....	1,122.8	1,096.4	26.4	2.4	2.4
Chemicals and allied products .....	1,062.6	1,047.5	15.1	1.4	3.1
Petroleum and coal products .....	194.4	202.0	-7.6	-3.8	-3.3
Rubber and miscellaneous plastics products .....	694.3	661.4	32.9	5.0	2.4
Leather and leather products .....	254.5	264.8	-10.3	-3.9	-3.5
Transportation and public utilities .....	4,603	4,522	81	1.8	1.8
Wholesale and retail trade .....	17,891	17,799	92	.5	.5
Wholesale trade .....	4,607	4,310	297	6.9	1.3
Retail trade .....	13,284	13,489	-205	-1.5	.3
Finance, insurance, and real estate .....	4,377	4,422	-45	-1.0	-.4
Services .....	14,935	15,028	-93	-.6	( <sup>1</sup> )
Government .....	15,199	15,315	-116	-.8	-.8
Federal .....	2,714	2,714	0	-	-
State and local .....	12,485	12,601	-116	-.9	-.9

<sup>1</sup>. Less than 0.05 percent.

<sup>2</sup> Ordnance and accessories group has been discontinued and

its components classified among transportation equipment, fabricated metals, and instruments.

**Table 4. Comparison of revised and previous estimates of March 1977 hours, earnings, and labor turnover, selected major industry groups<sup>1</sup>**

Industry	Average weekly hours			Average hourly earnings			Labor turnover accession rates (per 100 employees)		
	Revised estimate	Previous estimate	Difference	Revised estimate	Previous estimate	Difference	Revised estimate	Previous estimate	Difference
Total private .....	35.8	36.0	.2	5.12	5.11	.01	-	-	-
Mining .....	42.8	43.7	-.9	6.84	6.78	.06	-	-	-
Construction .....	36.4	36.8	-.4	7.95	7.87	.08	-	-	-
Manufacturing .....	40.2	40.2	0	5.52	5.48	.04	4.0	4.0	0
Durable goods .....	40.8	40.8	0	5.89	5.84	.05	4.0	4.0	0
Lumber and wood products .....	39.3	39.8	-.5	4.92	4.89	.03	6.9	6.2	.7
Furniture and fixtures .....	38.6	38.1	.5	4.23	4.19	.04	4.9	5.1	-.2
Stone, clay, and glass products .....	40.9	41.2	-.3	5.60	5.57	.03	6.6	6.4	.2
Primary metal industries .....	41.1	41.0	.1	7.07	7.13	-.06	4.2	4.2	0
Fabricated metal products .....	40.8	40.8	0	5.76	5.69	.08	4.2	4.4	-.2
Machinery, except electrical .....	41.3	41.5	-.2	6.07	6.04	.03	2.7	2.7	0
Electric and electronic equipment .....	40.3	40.2	.1	5.24	5.18	.06	3.4	3.3	.1
Transportation equipment .....	42.3	42.4	-.1	7.10	7.00	.10	3.6	4.2	-.6
Instruments and related products .....	40.6	40.3	.3	5.18	5.10	.08	2.7	2.6	.1
Miscellaneous manufacturing industries .....	39.1	39.3	-.2	4.29	4.27	.02	4.9	4.9	0
Nondurable goods .....	39.3	39.3	0	4.98	4.95	.03	4.1	4.1	0
Food and kindred products .....	39.8	39.6	.2	5.25	5.22	.03	5.1	5.0	.1
Tobacco manufactures .....	37.1	37.7	-.6	5.49	5.36	.13	1.4	1.9	-.5
Textile mill products .....	40.4	40.5	-.1	3.87	3.85	.02	4.8	4.7	.1
Apparel and other textile products .....	35.6	35.5	.1	3.57	3.57	0	5.7	5.8	-.1
Paper and allied products .....	42.6	42.4	.2	5.76	5.72	.04	2.7	2.7	0
Printing and publishing .....	37.6	37.6	0	6.01	5.97	.04	2.9	2.9	0
Chemicals and allied products .....	41.7	41.7	0	6.23	6.21	.02	1.9	1.8	.1
Petroleum and coal products .....	42.4	42.6	-.2	7.81	7.68	.13	2.3	2.2	.1
Rubber and miscellaneous plastics products .....	41.2	41.2	0	5.08	5.03	.05	4.8	4.9	-.1
Leather and leather products .....	36.4	36.3	.1	3.58	3.61	-.03	6.3	6.4	-.1
Transportation and public utilities .....	39.8	39.9	-.1	6.74	6.71	.03	-	-	-
Wholesale and retail trade .....	33.1	33.1	0	4.20	4.20	0	-	-	-
Finance, insurance, and real estate .....	36.4	36.6	-.2	4.46	4.51	-.05	-	-	-
Services .....	32.8	33.3	-.5	4.58	4.62	-.04	-	-	-

<sup>1</sup> Previous estimates were based on the 1967 SIC system and reflected employment levels projected from March 1974 benchmark employment levels. The revised estimates are based on the 1972

SIC system and reflect the March 1977 benchmark employment levels.

<sup>2</sup> Production or nonsupervisory workers.

Table 5. Comparison of 1972 and 1967 SIC industries

(Employment in thousands)

1972 SIC industry title	1972 SIC code	March 1975 employment	Closest comparable 1967 SIC code	Changes <sup>1</sup>		
				1967 code	Title of industry or part	Estimated employment
Total .....	—	75,686	—	-071 -080 -090	Soil preparation and crop services Forestrics Fisheries	-36.1 -11.7 -13.1
Mining .....	10-14	730	10-14	none	none	none
Metal mining .....	10	93.3	10	none	none	none
Coal mining .....	11,12	205.6	11,12	none	none	none
Oil and gas extraction .....	13	319.7	13	none	none	none
Nonmetallic minerals, except fuel .....	14	110.9	14	none	none	none
Construction .....	15-17	3,235	15-17	+656 +656 -151 part	Operative builders Operative builders Pumping stations	+54.3 +54.3 -20.0
General building contractors .....	15	939.2	15	+151 part -161 part	Pumping stations Swimming pool and fence contractors	+20.0
Heavy construction contractors .....	16	641.6	16	+151 part -161 part	Swimming pool and fence contractors	-7.5
Special trade contractors .....	17	1,653.9	17	+161 part	Swimming pool and fence contractors	+7.5
Manufacturing .....	20-39	18,000	19-39	none	none	none
Durable goods .....	24, 25, 32-39	10,634	19, 24, 25, 32-39	+3121 part +3069 part	Leather packing Rubber packing	+1.0 +1.4
Lumber and wood products .....	24	572.2	24	+2511 part +2512 part +3791 part	Wood kitchen cabinets Wood furniture frames Mobile homes	+18.0 +3.5 +39.8
Furniture and fixtures .....	25	398.1	25	-2511 part -2512 part	Wood kitchen cabinets Wood furniture frames	-18.0 -3.5
Stone, clay, and glass products ..	32	609.1	32	+3121 part +3599 part +3069 part	Leather packing Metal packing Rubber packing	+1.0 +1.0 +1.4
Primary metal industries .....	33	1,172.5	33	-3391 -3392	Iron and steel forgings Nonferrous forgings	-48.7 -5.3
Fabricated metal products .....	34	1,447.0	34	+3391 +3392 -3433 part +191, 5, 6, 9 +1929	Iron and steel forgings Nonferrous forgings Warm air heating equipment Miscellaneous ordnance and accessories Ammunition, except for small arms	+48.7 +5.3 -10.1 +36.0 +29.6
Machinery, except electrical .....	35	2,114.7	35	+3433 part +3799 part -3582 part -3599 part	Warm air heating equipment Farm trailers and wagons Coin-operated washers and dryers Metal packing	+10.1 +5.6 -1.6 -1.0
Electric and electronic equip .....	36	1,691.8	36	+3582 part -3611 part +1941 part	Coin-operated washers and dryers Instruments to measure electricity Sighting and fire control equip- ment, electronic	+1.6 -60.9 +2.5
Transportation equipment .....	37	1,686.1	37	+1925 +1931 -3791 part -3799 part	Complete guided missiles Tanks and tank components Mobile homes Farm trailers and wagons	+80.0 +5.8 -39.8 -5.6
Instruments and related products .....	38	550.7	38	+1941 part +3611 part	Optical sighting and fire control equipment Instruments to measure electricity	+2.7 +60.9

See footnotes at end of table.

Table 5. Comparison of 1972 and 1967 SIC industries—Continued

(Employment in thousands)

1967 SIC industry title	1972 SIC code	March 1975 employment	Closest comparable 1967 SIC code	Changes <sup>1</sup>		
				1967 code	Title of industry or part	Estimated employment
Miscellaneous manufacturing . . .	39	391.5	39	none	none	none
Nondurable goods . . . . .	20-23, 26-31	7,366	20-23, 26-31	-3121 part -3069 part	Leather packing Rubber packing	-1.0 -1.4
Food and kindred products . . .	20	1,575.1	20	none	none	none
Tobacco manufactures . . . .	21	69.5	21	none	none	none
Textile mill products . . . .	22	813.7	22	none	none	none
Apparel and other textile products . . . . .	23	1,186.2	23	none	none	none
Paper and allied products . . .	26	629.3	26	none	none	none
Printing and publishing . . . .	27	1,084.0	27	none	none	none
Chemicals and allied products . .	28	1,007.7	28	+2952 part +3069 part -2821 part	Linoleum and tile cement Rubber cement Rods, sheets, etc. from resins	+1.0 +1.3 -19.6
Petroleum and coal products . . .	29	185.6	29	-2952 part	Linoleum and tile cement	-1.0
Rubber and plastics products . . .	30	581.3	30	+2821 part -3069 part -3069 part	Rods, sheets, etc. from resins Rubber cement Rubber packing	+19.6 -1.3 -1.4
Leather and leather products . . .	31	234.0	31	-3121 part	Leather packing	-1.0
Transportation and public utilities . . . . .	40-49	4,513	40-49	-4119 part -402	Ski lifts Railroad passenger car service	-2.0 -1.0
Railroad transportation . . . .	40	549.0	40			
Local and interurban passenger transit . . . .	41	281.8	41	-4119 part	Ski lifts	-2.0
Trucking and warehousing . . .	42	1,069.8	42	none	none	none
Transportation by air . . . .	45	367.6	45	none	none	none
Pipe line transportation . . . .	46	17.2	46	none	none	none
Transportation services . . . .	47	132.1	47	+402	Railroad passenger car services	+1.0
Communication . . . . .	48	1,174.1	48	none	none	none
Electric, gas, and sanitary services . . . . .	49	728.2	49	none	none	none
Wholesale and retail trade . . .	50-59	16,571	50, 52-59	none none	none none	none none
Wholesale trade . . . . .	50,51	4,354	50	+596 part	Farm and garden supply stores-sales primarily to farmers	+76.7
				+524	Electrical supply dealers	+5.9
				+522	Plumbing and heating dealers	+16.5
				+5252	Farm equipment dealers	+81.2
				+523 part	Paint, glass, wall paper dealers selling to contractors, but not to the public	+19.0
				+521 part	Lumber and other building materials dealers selling to contractors	+15.0
				+5999 part	Gasoline buying in bulk and selling to farmers	+26.0
Wholesale trade-durables . . . .	50	2,501	( <sup>2</sup> )	+501	Motor vehicle and automotive equipment dealers	+356.1
				+506	Electrical goods	+337.9
				+507	Hardware, plumbing, and heating equipment	+184.3
				+508	Machinery, equipment, and supplies	+895.9
				+509 part	Miscellaneous durable goods	+603.2
				+521 part	Lumber and other building materials dealers selling to contractors	+15.0
				+523 part	Glass dealers selling to contractors	+5.0

See footnotes at end of table.

Table 5. Comparison of 1972 and 1967 SIC industries—Continued

(Employment in thousands)

1972 SIC industry title	1972 SIC code	March 1975 employment	Closest comparable 1967 SIC code	Changes <sup>1</sup>		
				1967 code	Title of industry or part	Estimated employment
Wholesale trade-nondurables ...	51	1,853	(2)	+524	Electrical supply dealers	+5.9
				+522 part	Plumbing and heating dealers	+16.5
				+5252 part	Farm equipment dealers	+81.2
				+502	Drugs, chemicals, and allied products	+245.8
				+503	Dry goods and apparel	+154.8
				+504	Groceries and related products	+576.7
				+505	Farm products-raw materials	+100.2
				+509 part	Miscellaneous nondurable goods	+658.8
				+523 part	Paint, wall paper dealers selling to contractors	+14.0
				+596 part	Farm and garden supply dealers selling primarily to farmers	+76.7
Retail trade .....	52-59	12,217	52-59	+5999 part	Gasoline buying in bulk and selling to farmers	+26.0
				-521 part	Lumber and other building materials dealers selling to contractors	-15.0
				-522 part	Plumbing and heating dealers	-16.5
				-523 part	Paint, glass, wall paper dealers selling to contractors	-19.0
				-524	Electrical supply dealers	-5.9
				-5252	Farm equipment dealers	-81.2
				-596 part	Farm and garden supply dealers selling to farmers	-76.7
				-5999 part	Gasoline buying in bulk and selling to farmers	-26.0
Building materials and garden supplies .....	52	496.9		-521 part	Lumber and other building materials dealers selling to contractors	-15.0
				-522	Plumbing and heating dealers	-16.5
				-523 part	Paint, glass, wall paper dealers	-19.0
				-524	Electrical supply dealers	-5.9
				-5252	Farm equipment dealers	-81.2
				+596 part	Garden supply stores	+54.8
				+5592	Mobile home dealers	+10.0
General merchandise stores .....	53	2,033.1	53	-539 part	Miscellaneous merchandise stores	-70.0
				-532	Mail order houses	-126.7
				-534	Merchandising machine operators	-73.2
				-535	Direct selling organizations	-52.5
Food stores .....	54	1,988.0	54	none	none	none
Automotive dealers and service stations .....	55	1,640.8	55	-5592	Mobile home dealers	-10.0
Apparel and accessory stores ..	56	777.2	56	+5999 part	Wig and toupee stores	+5.0
Furniture and home furnishings stores .....	57	506.9	57	+5399 part	Bedding and linen shops	+10.0
Eating and drinking places .....	58	3,187.6	58	none	none	none
Miscellaneous retail .....	59	1,586.6	59	+532	Mail order houses	+126.7
				+534	Merchandising machine operators	+73.2
				+535	Direct selling organizations	+52.5
				-596	Farm and garden supply stores	-131.5
				-5999 part	Wig and toupee stores	-5.0
				-5999 part	Gasoline buying in bulk and selling to farmers	-26.0

See footnotes at end of table.

Table 5. Comparison of 1972 and 1967 SIC industries—Continued

(Employment in thousands)

1972 SIC industry title	1972 SIC code	March 1975 employment	Closest comparable 1967 SIC code	Changes <sup>1</sup>		
				1967 code	Title of industry or part	Estimated employment
Finance, insurance, and real estate ..	60-67	4,117	60-67	-656 +732 part +7394 part +751 part +703 part +794 part	Operative builders Credit card services Finance leasing of equipment Finance leasing of passenger cars and trucks Mobile home site operators Music licensing to radio stations	-54.3 +5.0 +1.0 +4.6 +15.0 +1.2
Banking .....	60	1,259.4	60	none	none	none
Credit agencies other than banks .....	61	427.9	61	+732 part +7394 part +751 part	Credit card services, collection by central agency Finance leasing of equipment Finance leasing of passenger cars and trucks	+5.0 +1.0 +4.6
Security, commodity brokers and services .....	62	166.7	62	none	none	none
Insurance carriers .....	63	1,085.0	63	none	none	none
Insurance agents, brokers and services .....	64	335.3	64	none	none	none
Real estate .....	65	727.0	65	-656 +703 part	Operative builders Mobile home site operators	-54.3 +15.0
Combined real estate, insurance, etc .....	66	30.5	66	none	none	none
Holding and other investment offices .....	67	84.9	67	+7949	Music licensing to radio stations	+1.0
Services .....	70-99	13,632	70-99	-071 -080 -090 +4119 part -703 part  -732 part -739 part -751 part -794 part	Soil preparation and crop services Foresteries Fisheries Ski lifts Mobile home site operators Credit card services Finance leasing of equipment Finance leasing of cars and trucks Music licensing to radio stations	-36.1 -11.7 -13.1 +2.0  -15.0 -5.0 -1.0 -4.6 -1.2
Hotels and other lodging places ..	70	840.3	70	-702 part -7031 part -7032 part -704 part	Homes for aged or retarded Mobile home site operators Day camps, recreational Homes for aged or retarded	-30.0 -15.0 -5.0 -7.0
Personal services .....	72	865.0	72	-722 part +893 part	Commercial photography Tax preparation services	-10.0 +30.0
Miscellaneous business services .....	73	2,007.6	73	+722 part -732 part +7815 +899 part +893 part +7629 part  +892 part +7949 part -7394 part	Commercial photography Credit card services Production of still slide films Commercial art Data processing services Computer maintenance and repair Research and development laboratories Music distribution system, not coin-operated Finance leasing of equipment	+10.0 -5.0 +1.1 +10.0 +30.0  +8.0 +25.0 +1.0 -1.0

See footnotes at end of table.

Table 5. Comparison of 1972 and 1967 SIC industries—Continued

(Employment in thousands)

1972 SIC industry title	1972 SIC code	March 1975 employment	Closest comparable 1967 SIC code	Changes <sup>1</sup>		
				1967 code	Title of industry or part	Estimated employment
Auto repair, services, and garages .....	75	425.1	75	-751 part -753 part -7549 part	Passenger car and truck leasing Automotive welding Auto driving instruction	-4.6 -4.6 -4.7
Miscellaneous repair services .....	76	216.2	76	+753 part -7629 part	Automotive welding Computer maintenance and repair	+4.6 -8.0
Motion pictures .....	78	196.4	78	-7815	Production of still slide films	-1.1
Amusement and recreation services, nec .....	79	530.2	79	+4119 part +7032 part -7949 part +841 part	Ski lifts Day camps, recreational Music licensing to radio stations Commercial museums	+2.0 +5.0 -1.0 +2.0
Health services .....	80	4,067.7	80	-8099 part	Rehabilitation centers	-50.0
Legal services .....	81	332.1	81	none	none	none
Educational services .....	82	1,064.4	82	+7549 part -829 part -821 part	Auto driving instruction Rehabilitation counseling Nursery schools	+4.7 -50.0 -150.0
Social services .....	83	662.0	( <sup>2</sup> )	+702 part +704 part +867 +821 part +8099 part +829 part +899 part +869 part	Homes for aged or retarded Homes for aged or retarded Charitable organizations Nursery schools Rehabilitation centers Rehabilitation counseling Marriage counseling Nonprofit membership organizations, nec	+30.0 +7.0 +280.0 +150.0 +50.0 +40.0 +15.0 +90.0
Museums, botanical, zoological gardens .....	84	24.7	84	-841	Commercial museums	-2.0
Nonprofit membership organizations .....	86	1,450.6	86	-867 -869 part	Charitable organizations Nonprofit membership organizations, nec	-280.0 -90.0
Miscellaneous services .....	89	727.3	89	-892 part -893 part -893 part -899 part -899 part	Research and development laboratories Data processing services Tax preparation services Marriage counseling Commerical art	-25.0 -30.0 -30.0 -15.0 -10.0
Government .....	91-93	14,888	91-93	none	none	none
Federal government .....	91	2,724	91	none	none	none
State government .....	92	3,258.9	92	none	none	none
Local government .....	93	8,904.2	93	none	none	none

<sup>1</sup> (+)=addition to and (-)=removal from closest comparable 1967 SIC (2-digit) industry. The employment differences shown account for conceptual classification changes only. An extensive examination of establishments industrial coding revealed widespread

misclassification. Any residual employment differences with the previously published data may be attributed to these reclassifications.

<sup>2</sup> Not comparable. New industry equals sum of changes.

Table 6. Employment Levels<sup>1</sup> by Industry, March 1972–March 1977

[All employees in thousands]

Industry title	1972 SIC Code	March 1972	March 1973	March 1974	March 1975	March 1976	March 1977
Total . . . . .	—	72,138	75,422	77,362	75,686	78,092	80,493
Total private. . . . .	—	58,717	61,568	63,089	60,789	62,967	65,294
Goods-producing . . . . .	—	22,905	24,174	24,570	21,951	22,728	23,488
Mining . . . . .	10-14	618	620	665	730	761	805
Metal mining. . . . .	10	82.6	83.5	91.9	93.3	90.4	97.3
Iron ores . . . . .	101	21.7	22.1	22.5	23.5	23.2	25.0
Copper ores . . . . .	102	36.7	39.1	43.1	40.0	35.3	37.2
Lead and zinc ores . . . . .	*103	7.3	7.0	7.4	8.1	8.0	7.8
Other metal ores . . . . .	*104-6,8,9	16.9	15.3	18.9	21.7	23.9	27.3
Coal mining . . . . .	11,12	161.0	159.1	169.5	205.6	224.3	237.4
Anthracite mining. . . . .	*11	4.0	3.9	3.7	3.6	3.6	3.3
Bituminous coal and lignite mining. . . . .	12	157.0	155.2	165.8	202.0	220.7	234.1
Oil and gas extraction . . . . .	13	264.4	266.2	285.7	319.7	335.6	361.3
Crude petroleum and natural gas, and							
natural gas liquids. . . . .	131,2	143.6	138.6	139.4	150.5	158.1	163.5
Crude petroleum and natural gas . . . . .	*131	139.9	135.0	135.6	146.4	154.1	159.3
Natural gas liquids . . . . .	*132	3.7	3.6	3.8	4.1	4.0	4.2
Oil and gas field services . . . . .	138	120.8	127.6	146.3	169.2	177.5	197.8
Nonmetallic minerals, except fuels . . . . .	14	109.6	111.5	117.5	110.9	110.5	109.1
Crushed and broken stone . . . . .	142	39.7	40.4	42.7	38.6	37.4	36.1
Sand and gravel . . . . .	144	33.9	35.3	35.5	31.6	31.8	31.7
Chemical and fertilizer minerals. . . . .	147	18.6	18.5	20.7	22.2	23.2	23.2
Nonmetallic minerals, exc. fuels, nec . . . . .	*141,5,8,9	17.4	17.3	18.6	18.5	18.1	18.1
Construction. . . . .	15-17	3,553	3,718	3,878	3,235	3,276	3,430
General building contractors. . . . .	15	1,070.0	1,118.8	1,170.9	939.2	947.6	971.8
Residential building contractors. . . . .	152	526.2	550.5	558.8	436.8	451.8	493.0
Operative builders. . . . .	153	86.5	93.6	96.9	65.4	65.4	69.4
Nonresidential building contractors. . . . .	154	457.3	474.7	515.2	437.0	430.4	409.4
Heavy construction contractors. . . . .	16	686.7	682.7	730.5	641.6	660.5	682.0
Highway and street construction . . . . .	161	247.6	217.7	233.0	190.7	186.1	183.8
Heavy construction, exc. highway . . . . .	162	439.1	465.0	497.5	450.9	474.4	498.2
Special trade contractors. . . . .	17	1,795.9	1,916.6	1,976.6	1,653.9	1,668.2	1,775.9
Plumbing, heating, air conditioning. . . . .	171	456.1	471.7	498.5	423.1	420.5	443.1
Painting, paper hanging, decorating. . . . .	172	110.0	120.1	120.9	101.1	102.4	108.3
Electrical work . . . . .	173	307.0	346.1	354.6	315.4	306.2	321.8
Masonry, stonework, and plastering . . . . .	174	314.1	320.7	314.1	246.3	255.3	279.5
Carpentering and flooring . . . . .	175	116.8	118.1	114.5	90.9	97.3	108.6
Roofing and sheet metal work. . . . .	176	115.7	125.0	130.9	111.6	115.0	120.9
Concrete work. . . . .	*177	89.4	99.4	111.8	72.3	80.1	87.3
Water well drilling. . . . .	*178	14.1	14.7	16.0	15.4	16.2	19.0
Misc. special trade contractors. . . . .	*179	272.7	300.8	315.3	277.8	275.2	287.4
Manufacturing. . . . .	20-39	18,734	19,836	20,027	18,000	18,691	19,253
Durable goods. . . . .	24,25, 32-39	10,773	11,664	11,876	10,634	10,861	11,322
Lumber and wood products . . . . .	24	689.7	745.4	729.7	572.2	641.5	686.6
Logging camps and logging contractors. . .	241	62.1	70.7	76.0	66.2	72.3	78.4
Sawmills and planing mills. . . . .	242	218.3	221.9	236.7	186.9	212.5	222.0
Sawmills and planing mills, general . . . . .	2421	178.2	179.0	194.5	158.3	176.3	184.7
Hardwood dimension and flooring mills . . . . .	2426	34.0	36.3	34.9	22.6	29.9	30.5
Special product sawmills, nec . . . . .	*2429	6.1	6.6	7.3	6.0	6.3	6.8
Millwork, plywood and structural							
members . . . . .	243	189.1	205.5	199.3	155.6	177.4	194.2
Millwork . . . . .	2431	68.8	75.5	72.0	58.0	66.8	70.7
Wood kitchen cabinets . . . . .	2434	36.4	40.3	40.7	30.6	33.7	40.2
Hardwood veneer and plywood . . . . .	2435	30.4	32.0	30.2	21.5	23.8	25.7
Softwood veneer and plywood . . . . .	2436	42.6	46.0	45.1	37.2	43.4	45.5
Structural wood members, nec . . . . .	*2439	10.9	11.7	11.3	8.3	9.7	12.1
Wooden containers . . . . .	244	44.7	46.3	48.7	37.4	40.2	41.4
Nailed and lock corner wood boxes and							
shook. . . . .	*2441	12.0	12.5	12.8	9.7	10.2	10.0
Wood pallets and skids . . . . .	*2448	17.9	19.1	22.1	16.8	18.9	20.7
Wood containers, nec. . . . .	*2449	14.8	14.7	13.8	10.9	11.1	10.7
Wood buildings and mobile homes . . . . .	245	99.1	118.7	85.5	57.4	64.6	73.5
Mobile homes . . . . .	2451	71.7	91.5	62.8	39.8	45.0	52.2
Prefabricated wood buildings and							
components . . . . .	*2452	27.4	27.2	22.7	17.6	19.6	21.3
Misc. wood products . . . . .	249	76.4	82.3	83.5	68.7	74.5	77.1

See footnotes at end of table.

Table 6. Employment Levels<sup>1</sup> by Industry, March 1972–March 1977—Continued

[All employees in thousands]

Industry title	1972 SIC Code	March 1972	March 1973	March 1974	March 1975	March 1976	March 1977
Wood preserving. . . . .	*2491	12.5	12.8	13.3	12.9	11.8	12.5
Particleboard and wood products, nec. . . . .	*2492,9	63.9	69.5	70.2	55.8	62.7	64.6
Furniture and fixtures. . . . .	25	471.5	504.7	498.4	398.1	440.1	450.9
Household furniture. . . . .	251	329.8	352.6	344.5	265.0	306.1	306.6
Wood household furniture. . . . .	2511	136.7	146.4	147.7	114.9	133.1	134.1
Upholstered household furniture. . . . .	2512	98.9	108.2	101.7	79.0	95.5	93.3
Metal household furniture. . . . .	2514	36.8	38.8	37.1	25.9	30.1	32.2
Mattresses and bedsprings. . . . .	2515	39.3	40.2	38.9	31.0	33.4	32.2
Wood TV, radio, phonograph and house- hold furnitures. . . . .	*2517,9	18.1	19.0	19.1	14.2	14.0	14.8
Office furniture. . . . .	252	40.5	42.8	46.0	38.6	36.8	40.7
Wood office furniture. . . . .	*2521	12.1	12.8	13.5	11.3	11.7	14.0
Metal office furniture. . . . .	*2522	28.4	30.0	32.5	27.3	25.1	26.7
Public building and related furniture. . . . .	253	23.6	25.0	23.6	22.4	22.7	22.9
Partitions and fixtures. . . . .	254	53.6	58.7	58.7	50.0	52.1	56.3
Wood partitions and fixtures. . . . .	*2541	29.0	31.8	31.5	25.9	28.0	29.8
Metal partitions and fixtures. . . . .	*2542	24.6	26.9	27.2	24.1	24.1	26.5
Misc. furniture and fixtures. . . . .	259	24.0	25.6	25.6	22.1	22.4	24.4
Drapery hardware and blinds and shades. . . . .	*2591	13.8	14.7	15.3	12.2	13.1	14.2
Furniture and fixtures, nec. . . . .	*2599	10.2	10.9	10.3	9.9	9.3	10.2
Stone, clay, and glass products. . . . .	32	651.5	693.4	705.1	609.1	619.0	640.3
Flat glass. . . . .	321	24.0	25.2	22.5	17.3	18.6	20.1
Glass and glassware, pressed or blown. . . . .	322	126.9	136.0	136.4	122.9	129.3	132.2
Glass containers. . . . .	3221	71.5	74.5	73.1	69.4	73.4	75.1
Pressed and blown glass, nec. . . . .	3229	55.4	61.5	63.3	53.5	55.9	57.1
Products of purchased glass. . . . .	323	35.3	40.0	41.7	34.2	39.1	41.8
Cement hydraulic. . . . .	324	30.8	31.5	32.6	31.4	29.1	29.6
Structural clay products. . . . .	325	55.6	57.3	58.2	46.2	46.1	47.4
Brick and structural clay tile. . . . .	*3251	24.9	26.1	25.6	18.0	20.0	20.1
Clay refractories. . . . .	*3255	12.3	13.2	13.8	13.4	11.7	13.0
Other structural clay products. . . . .	*3253,9	18.4	18.0	18.8	14.8	14.4	14.3
Pottery and related products. . . . .	326	42.9	46.3	47.4	42.9	44.6	44.7
Vitreous plumbing fixtures. . . . .	*3261	10.3	11.0	11.5	8.6	9.8	10.2
Vitreous china and earthenware food utensils. . . . .	*3262,3	10.1	11.0	9.8	9.7	9.8	8.9
Porcelain electrical supplies. . . . .	*3264	10.8	11.9	12.6	11.3	10.2	10.7
Pottery products, nec. . . . .	*3269	11.7	12.4	13.5	13.3	14.8	14.9
Concrete, gypsum, and plaster products. . . . .	327	199.2	208.7	210.0	177.5	175.7	181.0
Concrete block and brick. . . . .	3271	25.7	26.7	26.2	20.5	21.0	21.0
Concrete products, nec. . . . .	3272	72.9	72.9	74.8	62.9	60.1	62.6
Ready-mixed concrete. . . . .	3273	78.9	86.9	86.9	74.3	74.8	77.7
Lime and gypsum products. . . . .	*3274,5	21.7	22.2	22.1	19.8	19.8	19.7
Cut stone and stone products. . . . .	*328	13.4	13.8	13.4	12.3	11.9	12.1
Misc. nonmetallic mineral products. . . . .	329	123.4	134.6	142.9	124.4	124.6	131.4
Abrasive products. . . . .	3291	25.1	28.5	29.7	26.1	23.8	25.4
Asbestos products. . . . .	3292	25.6	25.6	24.5	23.0	21.0	21.3
Gaskets, packing and sealing devices. . . . .	*3293	23.6	27.4	30.0	22.7	24.6	25.9
Minerals, ground or treated. . . . .	*3295	13.2	13.6	15.0	14.6	13.9	14.8
Mineral wool. . . . .	3296	21.2	22.9	26.1	22.2	25.0	28.6
Nonclay refractories and nonmetallic mineral products, nec. . . . .	*3297,9	14.7	16.6	17.6	15.8	16.3	15.4
Primary metal industries. . . . .	33	1,153.8	1,229.4	1,278.4	1,172.5	1,126.2	1,170.7
Blast furnaces and basic steel products. . . . .	331	558.1	591.4	605.4	575.7	532.8	548.7
Steel mills. . . . .	3312	479.7	508.1	518.6	494.2	455.7	465.8
Electrometallurgical products. . . . .	*3313	14.6	15.5	15.9	15.7	13.5	14.8
Steel wire and related products. . . . .	*3315	20.9	21.9	22.8	20.3	20.7	20.8
Cold finishing of steel shapes. . . . .	*3316	16.6	18.5	19.4	17.0	16.5	17.8
Steel pipes and tubes. . . . .	3317	26.3	27.4	28.7	28.5	26.4	29.5
Iron and steel foundries. . . . .	332	216.3	230.8	244.2	234.6	222.0	227.1
Gray iron foundries. . . . .	3321	140.0	148.1	156.5	143.4	138.4	144.2
Malleable iron foundries. . . . .	3322	22.3	23.6	24.1	21.9	20.8	21.2
Steel investment foundries. . . . .	*3324	8.7	10.1	9.7	8.3	8.5	9.7
Steel foundries, nec. . . . .	3325	45.3	49.0	53.9	61.0	54.3	52.0
Primary nonferrous metals. . . . .	333	61.3	64.4	69.1	69.0	64.0	66.1
Primary copper. . . . .	*3331	17.6	17.7	17.2	17.4	15.3	15.7
Primary lead and zinc. . . . .	*3332,3	9.0	9.2	9.5	9.8	9.4	9.2

See footnotes at end of table.

Table 6. Employment Levels<sup>1</sup> by Industry, March 1972–March 1977—Continued

[All employees in thousands]

Industry title	1972 SIC Code	March 1972	March 1973	March 1974	March 1975	March 1976	March 1977
Primary aluminum . . . . .	3334	26.4	29.2	32.2	31.3	28.5	31.2
Primary nonferrous metals, nec . . . . .	*3339	8.3	8.3	10.2	10.5	10.8	10.0
Secondary nonferrous metals . . . . .	*334	17.5	17.8	20.4	18.9	19.3	20.6
Nonferrous rolling and drawing . . . . .	335	201.9	213.2	224.7	179.8	188.9	199.6
Copper rolling and drawing . . . . .	3351	38.2	39.4	40.1	27.2	30.9	31.9
Aluminum sheet, plate, and foil . . . . .	3353	28.0	29.9	36.0	30.2	32.7	32.0
Aluminum extruded products . . . . .	*3354	30.2	31.3	32.4	24.2	25.5	30.3
Aluminum and nonferrous rolling and drawing, nec . . . . .	*3355, 6	22.1	23.4	25.6	22.3	21.5	22.9
Nonferrous wire drawing and insulating . . .	3357	83.4	89.2	90.6	75.9	78.3	82.5
Nonferrous foundries . . . . .	336	81.0	92.7	94.0	76.9	80.4	87.7
Aluminum foundries . . . . .	3361	44.9	51.7	54.2	42.2	44.3	48.7
Brass, bronze, and copper foundries . . . . .	*3362	17.2	19.5	20.7	18.6	17.9	18.7
Nonferrous foundries, nec . . . . .	*3369	18.9	21.5	19.1	15.1	18.2	20.3
Misc. primary metal products . . . . .	*339	17.7	19.1	20.6	18.6	18.8	20.9
Metal heat treating . . . . .	*3398	9.9	10.4	10.8	10.5	10.4	11.3
Primary metal products, nec . . . . .	*3399	7.8	8.7	9.8	8.1	8.4	9.6
Fabricated metal products . . . . .	34	1,506.9	1,629.9	1,640.8	1,447.0	1,485.2	1,543.1
Metal cans and shipping containers . . . . .	341	84.2	84.2	87.7	77.9	75.8	78.6
Metal cans . . . . .	3411	71.3	71.5	74.5	66.1	63.3	65.5
Metal barrels, drums, and pails . . . . .	*3412	12.9	12.7	13.2	11.8	12.5	13.1
Cutlery, hand tools, and hardware . . . . .	342	156.0	174.3	173.0	151.1	162.7	173.1
Cutlery . . . . .	*3421	13.9	14.5	15.2	14.7	14.9	15.3
Hand and edge tools, and hand saws and blades. . . . .	3423, 5	49.5	57.8	60.7	55.2	54.9	57.5
Hardware, nec . . . . .	3429	92.6	102.0	97.1	81.2	92.9	100.3
Plumbing and heating, except electric . . . . .	343	70.8	73.9	75.3	57.7	62.3	66.8
Metal sanitary ware . . . . .	*3431	12.5	13.2	12.8	8.8	9.9	10.5
Plumbing fittings and brass goods . . . . .	3432	26.1	27.1	28.0	19.8	23.8	25.0
Heating equipment, except electric . . . . .	3433	32.2	33.6	34.5	29.1	28.6	31.3
Fabricated structural metal products . . . . .	344	424.8	465.4	489.8	448.6	447.9	453.5
Fabricated structural metal . . . . .	3441	101.0	106.3	108.7	105.8	98.9	95.6
Metal doors, sash, and trim . . . . .	3442	74.2	78.6	76.1	59.4	65.9	69.9
Fabricated plate work (boiler shops) . . . . .	3443	115.3	130.8	143.5	144.9	142.8	139.5
Sheet metal work . . . . .	3444	81.0	87.2	92.6	80.9	82.8	90.1
Architectural metal . . . . .	3446	28.8	32.5	32.3	29.5	28.8	29.7
Prefabricated metal buildings . . . . .	*3448	16.1	20.4	24.4	17.7	19.8	20.1
Misc. metal work . . . . .	*3449	8.4	9.6	12.2	10.4	8.9	8.6
Screw machine products, bolts, etc . . . . .	345	96.6	110.0	113.8	97.3	94.6	99.4
Screw machine products . . . . .	3451	44.2	51.9	54.4	45.0	43.4	46.3
Bolts, nuts, rivets, and washers . . . . .	3452	52.4	58.1	59.4	52.3	51.2	53.1
Metal forgings and stampings . . . . .	346	288.8	309.5	289.9	242.2	267.9	286.3
Iron and steel forgings . . . . .	3462	54.0	58.1	57.5	55.4	50.8	48.6
Automotive stampings . . . . .	3465	103.8	112.2	94.5	75.0	96.4	106.2
Nonferrous forgings and crowns and closures. . . . .	*3463, 6	9.3	9.8	10.3	10.3	10.0	11.3
Metal stampings, nec . . . . .	3469	121.7	129.4	127.6	101.5	110.7	120.2
Metal services, nec . . . . .	347	84.8	94.7	97.4	83.5	88.0	92.9
Plating and polishing . . . . .	3471	58.8	66.2	66.8	56.3	61.1	64.0
Metal coating and allied services . . . . .	3479	26.0	28.5	30.6	27.2	26.9	28.9
Ordnance and accessories, nec . . . . .	348	79.6	84.0	76.9	70.9	58.2	57.1
Ammunition, except for small arms, nec . . . . .	3483	41.6	44.6	40.3	34.8	24.5	23.2
Misc. fabricated metal products . . . . .	349	221.3	233.9	237.0	217.8	227.8	235.4
Steel springs, except wire . . . . .	*3493	7.9	8.1	8.2	7.0	8.2	8.5
Valves and pipe fittings . . . . .	3494	81.7	86.0	88.7	89.8	89.0	93.6
Wire springs . . . . .	*3495	14.7	15.9	16.4	12.8	13.4	15.0
Misc. fabricated wire products . . . . .	3496	48.8	52.5	51.2	43.3	48.2	47.0
Fabricated pipe and fittings . . . . .	*3498	22.9	23.3	23.4	24.1	24.7	24.4
Metal foil and leaf, and fabricated pipe fittings . . . . .	*3497, 9	45.3	48.1	49.1	40.8	44.3	46.9
Machinery, except electrical . . . . .	35	1,839.7	2,043.9	2,199.4	2,114.7	2,042.0	2,139.8
Engines and turbines . . . . .	351	109.6	119.6	124.5	127.2	119.0	125.2
Turbines and turbine generator sets . . . . .	3511	45.4	44.4	45.8	46.1	43.2	44.6
Internal combustion engines, nec . . . . .	3519	64.2	75.2	78.7	81.1	75.8	80.6
Farm and garden machinery . . . . .	352	132.8	151.6	169.5	171.0	164.3	169.6
Farm machinery and equipment . . . . .	3523	116.2	132.1	149.8	152.2	146.3	150.8

See footnotes at end of table.

Table 6. Employment Levels<sup>1</sup> by Industry, March 1972–March 1977—Continued

[All employees in thousands]

Industry title	1972 SIC Code	March 1972	March 1973	March 1974	March 1975	March 1976	March 1977
Lawn and garden equipment . . . . .	*3524	16.6	19.5	19.7	18.8	18.0	18.8
Construction and related machinery . . . . .	353	286.2	317.6	338.9	345.0	333.0	342.6
Construction machinery . . . . .	3531	136.4	153.4	160.6	160.2	148.2	150.4
Mining machinery . . . . .	3532	23.4	24.6	26.2	29.9	33.2	33.6
Oil field machinery . . . . .	3533	40.4	44.3	48.6	60.0	66.2	67.8
Elevators and moving stairways . . . . .	*3534	16.6	16.7	16.3	14.1	11.7	11.4
Conveyors and conveying equipment . . . . .	3535	25.8	28.3	30.1	27.8	26.3	27.7
Hoists, cranes, and monorails . . . . .	*3536	16.6	18.0	19.6	19.7	19.3	20.0
Industrial trucks and tractors . . . . .	3537	27.0	32.3	37.5	33.3	28.1	31.7
Metalworking machinery . . . . .	354	281.7	310.7	340.8	317.3	302.0	319.5
Machine tools, metal cutting types . . . . .	3541	56.7	64.2	70.2	66.6	61.3	64.2
Machine tools, metal forming types . . . . .	3542	21.7	24.4	27.8	27.2	23.1	23.1
Special dies, tools, jigs and fixtures . . . . .	3544	113.8	121.6	129.5	114.5	112.9	121.0
Machine tool accessories . . . . .	3545	45.6	52.4	59.9	57.7	53.1	57.0
Power driven hand tools . . . . .	3546	19.4	23.1	26.2	24.1	27.3	31.4
Rolling mill machinery . . . . .	*3547	11.4	11.9	13.5	14.3	12.8	10.4
Metalworking machinery, nec . . . . .	*3549	13.1	13.1	13.7	12.9	11.5	12.4
Special industry machinery . . . . .	355	173.1	189.0	205.3	191.6	180.1	188.0
Food products machinery . . . . .	3551	36.1	40.5	43.2	42.2	39.8	43.2
Textile machinery . . . . .	3552	35.5	37.3	39.9	33.5	31.4	30.3
Woodworking machinery . . . . .	*3553	10.3	12.1	13.4	11.2	10.7	11.2
Paper industries machinery . . . . .	*3554	14.3	16.2	18.4	19.0	17.9	18.2
Printing trades machinery . . . . .	3555	28.4	29.9	32.2	29.5	27.8	31.0
Special industry machinery, nec . . . . .	*3559	48.5	53.0	58.2	56.2	52.5	54.1
General industrial machinery . . . . .	356	260.9	286.0	308.4	296.7	285.9	290.0
Pumps and pumping equipment . . . . .	3561	48.6	53.7	59.8	59.9	57.2	57.5
Ball and roller bearings . . . . .	3562	51.8	57.2	58.6	56.4	53.3	53.6
Air and gas compressors . . . . .	3563	23.0	25.6	27.1	26.9	28.5	27.2
Blowers and fans . . . . .	3564	31.1	33.6	37.4	33.8	32.4	36.3
Industrial patterns . . . . .	*3565	9.4	10.3	10.7	9.6	9.4	10.0
Speed changers, drives, and gears . . . . .	3566	21.2	22.9	25.8	25.3	23.9	24.3
Industrial furnaces and ovens . . . . .	*3567	16.9	18.9	20.5	18.4	17.5	18.0
Power transmission equipment, nec . . . . .	3568	19.2	21.7	23.3	22.6	20.8	21.2
General industrial machinery, nec . . . . .	*3569	39.7	42.1	45.2	43.8	42.9	41.9
Office and computing machines . . . . .	357	255.2	275.8	301.3	291.4	280.3	301.0
Electronic computing equipment . . . . .	3573	178.2	195.5	213.5	212.2	209.5	228.0
Office machines, scales and balances, exc.							
laboratory . . . . .	*3576,9	31.7	32.0	35.0	31.8	30.7	35.1
Refrigeration and service machinery . . . . .	358	154.7	183.2	180.7	145.4	157.1	169.3
Automatic merchandising machines . . . . .	*3581	10.2	10.9	12.8	7.1	7.8	7.7
Commercial laundry equipment . . . . .	*3582	6.2	6.4	6.2	5.4	5.6	5.8
Refrigeration and heating equipment . . . . .	3585	102.5	128.4	123.0	95.6	106.7	118.7
Measuring and dispensing pumps and							
service ind. mach., nec . . . . .	*3586,9	35.8	37.5	38.7	37.3	37.0	37.1
Misc. machinery, except electrical . . . . .	359	185.5	210.4	230.0	229.1	220.3	234.6
Carburetors, pistons, rings, valves . . . . .	3592	28.8	31.4	32.8	31.6	34.9	35.2
Machinery, except electrical, nec . . . . .	3599	156.7	179.0	197.2	197.5	185.4	199.4
Electric and electronic equipment . . . . .	36	1,771.7	1,916.0	1,987.4	1,691.8	1,745.4	1,823.3
Electric distributing equipment . . . . .	361	126.0	134.1	136.9	116.0	115.6	115.4
Transformers . . . . .	3612	55.9	62.2	67.0	56.0	51.9	51.9
Switchgear and switchboard apparatus . . .	3613	70.1	71.9	69.9	60.0	63.7	63.5
Electrical industrial apparatus . . . . .	362	197.1	232.8	243.8	213.7	216.5	227.3
Motors and generators . . . . .	3621	103.6	127.9	131.1	110.6	116.3	123.2
Industrial controls . . . . .	3622	55.7	62.9	67.2	61.3	61.3	62.2
Welding apparatus, electric . . . . .	*3623	14.1	15.7	17.0	17.2	15.6	16.7
Carbon and graphite products . . . . .	*3624	12.7	13.6	14.4	13.4	12.6	13.4
Electrical industrial apparatus, nec . . . . .	*3629	11.0	12.7	14.1	11.2	10.7	11.8
Household appliances . . . . .	363	184.7	193.4	192.1	152.4	170.4	173.2
Household cooking equipment . . . . .	*3631	22.4	25.2	20.9	16.4	21.9	24.3
Household refrigerators and freezers . . . . .	3632	51.5	47.4	48.3	46.4	46.1	44.7
Household laundry equipment . . . . .	3633	26.6	27.7	28.0	18.2	20.7	21.8
Electric housewares and fans . . . . .	3634	49.8	55.0	55.6	41.8	48.2	49.4
Other household appliances . . . . .	*3635,6,9	34.4	38.1	39.3	29.6	33.5	33.0
Electric lighting and wiring equipment . . .	364	200.2	216.3	223.1	178.7	192.5	201.8
Electric lamps . . . . .	3641	40.0	42.9	42.9	36.3	35.8	37.4
Current-carrying wiring devices . . . . .	3643	77.4	85.7	91.0	69.0	75.6	80.7

See footnotes at end of table.

**Table 6. Employment Levels<sup>1</sup> by Industry, March 1972–March 1977—Continued**

[All employees in thousands]

Industry title	1972 SIC Code	March 1972	March 1973	March 1974	March 1975	March 1976	March 1977
Noncurrent-carrying wire devices . . . . .	3644	21.7	23.6	24.4	20.4	21.5	22.5
Residential lighting fixtures . . . . .	3645	24.7	25.5	25.0	19.5	23.2	23.9
Commercial lighting fixtures. . . . .	*3646	16.3	17.4	18.3	14.2	13.4	14.6
Vehicular & lighting equipment, nec . . . . .	*3647,8	20.1	21.2	21.5	19.3	23.0	22.7
Radio and TV receiving equipment . . . . .	365	131.3	145.8	140.3	103.8	117.8	117.6
Radio and TV receiving sets . . . . .	3651	107.4	120.5	116.3	83.3	93.6	93.6
Phonograph records. . . . .	*3652	23.9	25.3	24.0	20.5	24.2	24.0
Communication equipment . . . . .	366	456.6	460.1	480.8	469.4	447.1	452.4
Telephone and telegraph apparatus . . . . .	3661	159.3	162.2	171.8	157.7	136.8	142.9
Radio and TV communication equipment . . . . .	3662	297.3	297.9	309.0	311.7	310.3	309.5
Electronic components and accessories. . . . .	367	346.3	393.4	436.7	335.9	350.6	389.5
Electronic tubes. . . . .	3671-3	45.8	47.8	50.4	40.7	40.1	39.7
Semiconductors and related devices . . . . .	3674	111.4	130.8	153.1	120.9	121.0	140.7
Electronic capacitors . . . . .	*3675	18.9	22.2	25.0	15.7	18.6	20.3
Electronic resistors and connectors . . . . .	*3676,8	10.0	12.0	17.1	13.6	12.9	15.9
Electronic coils and transformers . . . . .	*3677	15.5	18.8	20.7	15.1	17.2	20.2
Electronic components, nec . . . . .	3679	144.7	161.8	170.4	129.9	140.8	152.7
Misc. electrical equipment and supplies . . . . .	369	129.5	140.1	133.7	121.9	134.9	146.1
Storage batteries . . . . .	3691	25.9	27.5	26.0	22.8	25.1	26.2
Primary batteries, dry and wet . . . . .	*3692	11.0	12.1	13.7	11.1	12.8	14.7
X-ray apparatus and tubes . . . . .	*3693	11.6	13.3	15.0	17.0	17.9	18.3
Engine electrical equipment . . . . .	3694	67.1	73.1	65.2	60.3	67.9	72.0
Other misc. electrical equipment . . . . .	*3699	13.9	14.1	13.8	10.7	11.2	14.9
Transportation equipment . . . . .	37	1,767.5	1,912.0	1,799.5	1,686.1	1,783.9	1,832.2
Motor vehicles and equipment . . . . .	371	878.0	961.0	856.9	752.2	857.6	911.9
Motor vehicles and car bodies . . . . .	3711	410.5	410.5	454.3	374.4	354.8	428.5
Truck and bus bodies. . . . .	3713	45.3	49.3	53.5	46.8	42.0	46.1
Motor vehicle parts and accessories . . . . .	3714	374.5	424.8	394.8	331.3	390.2	411.8
Truck trailers . . . . .	3715	30.4	32.6	34.2	19.3	21.1	25.5
Aircraft and parts . . . . .	372	489.9	515.9	527.4	516.4	493.0	474.8
Aircraft. . . . .	3721	284.8	294.9	299.6	287.5	285.6	276.9
Aircraft engines and engine parts . . . . .	3724	123.0	131.6	134.7	130.6	119.9	111.5
Aircraft equipment, nec . . . . .	3728	82.1	89.4	93.1	98.3	87.5	86.4
Ship and boat building and repairing . . . . .	373	192.3	201.3	205.3	202.2	214.7	223.8
Ship building and repairing . . . . .	3731	146.1	148.1	161.5	162.7	167.2	173.8
Boat building and repairing . . . . .	3732	46.2	53.2	43.8	39.5	47.5	50.0
Railroad equipment . . . . .	374	49.6	48.6	56.9	60.5	51.3	54.0
Motorcycles, bicycles, and parts. . . . .	*375	17.5	19.7	20.5	13.9	17.1	17.3
Guided missiles, space vehicles, parts . . . . .	376	89.9	93.9	92.1	93.8	89.1	79.8
Guided missiles and space vehicles . . . . .	3761	72.9	78.0	78.0	80.0	74.5	61.8
Space propulsion units and other space vehicle equipment. . . . .	*3764,9	17.0	15.9	14.1	13.8	14.6	18.0
Misc. transportation equipment . . . . .	379	67.6	71.6	40.4	47.1	61.1	70.6
Travel trailers and campers. . . . .	3792	52.5	54.7	24.7	30.9	43.7	51.5
Other transportation equipment . . . . .	*3795,9	15.1	16.9	15.7	16.2	17.4	19.1
Instruments and related products . . . . .	38	501.6	542.9	586.9	550.7	560.3	605.6
Engineering and scientific instruments . . . . .	381	63.3	65.0	67.0	63.7	58.2	62.9
Measuring and controlling instruments . . . . .	382	155.1	168.2	185.7	168.8	175.8	189.5
Environmental controls . . . . .	3822	36.6	40.4	44.5	35.2	41.3	44.4
Process control instruments . . . . .	3823	34.2	34.0	39.3	41.5	41.2	44.1
Fluid meters and counting devices . . . . .	*3824	13.6	13.9	15.2	13.5	13.3	14.3
Instruments to measure electricity . . . . .	3825	53.6	62.2	68.2	60.9	62.5	67.6
Measuring and controlling devices, nec . . . . .	*3829	17.1	17.7	18.5	17.7	17.5	19.1
Optical instruments and lenses . . . . .	383	16.8	20.1	22.8	22.3	22.8	25.3
Medical instruments and supplies . . . . .	384	88.0	96.1	108.3	108.3	115.6	126.8
Surgical and medical instruments . . . . .	3841	29.3	34.0	40.1	40.9	45.5	50.5
Surgical appliances and supplies . . . . .	3842	46.8	49.4	53.7	52.5	54.7	59.4
Dental equipment and supplies . . . . .	*3843	11.9	12.7	14.5	14.9	15.4	16.9
Ophthalmic goods . . . . .	385	35.3	40.5	40.7	36.1	37.4	40.4
Photographic equipment and supplies . . . . .	386	114.0	121.7	129.7	121.8	120.3	130.6
Watches, clocks, and watchcases . . . . .	387	29.1	31.3	32.7	29.7	30.2	30.1
Misc. manufacturing industries . . . . .	39	419.3	446.7	450.2	391.5	417.4	429.7
Jewelry, silverware, and plated ware . . . . .	391	51.3	54.7	53.2	50.2	56.9	58.2
Jewelry, precious metal . . . . .	3911	33.3	34.8	32.4	31.0	36.0	37.6
Silverware and plated ware . . . . .	*3914	10.9	11.9	12.7	11.2	11.6	11.6
Jewelers' materials and lapidary work . . . . .	*3915	7.1	8.0	8.1	8.0	9.3	9.0

See footnotes at end of table.

Table 6. Employment Levels<sup>1</sup> by Industry, March 1972–March 1977—Continued

[All employees in thousands]

Industry title	1972 SIC Code	March 1972	March 1973	March 1974	March 1975	March 1976	March 1977
Musical instruments. . . . .	393	24.6	25.2	27.6	22.8	24.4	24.2
Toys and sporting goods. . . . .	394	118.5	129.4	134.1	109.8	112.9	116.7
Dolls, games, toys, and children's vehicles. . . . .	3942,4	62.5	66.1	63.8	49.5	52.8	53.5
Sporting and athletic goods, nec. . . . .	3949	56.0	63.3	70.3	60.3	60.1	63.2
Pens, pencils, office and art supplies. . . . .	395	32.6	34.4	35.6	31.1	34.1	34.3
Pens, and mechanical pencils. . . . .	*3951	10.7	11.7	12.3	9.9	11.3	11.2
Lead pencils and art goods. . . . .	*3952	8.5	8.6	9.1	8.3	9.0	8.9
Marking devices, carbon paper and inked ribbons. . . . .	*3953,5	13.4	14.1	14.2	12.9	13.8	14.2
Costume jewelry and notions. . . . .	396	58.4	59.8	61.1	53.3	59.7	62.3
Costume jewelry. . . . .	3961	26.3	27.0	30.5	28.0	32.3	33.8
Artificial flowers and buttons. . . . .	*3962,3	10.5	11.1	10.4	8.9	9.9	8.9
Needles, pins, and fasteners. . . . .	*3964	21.6	21.7	20.2	16.4	17.5	19.6
Misc. manufactures. . . . .	399	133.9	143.2	138.6	124.3	129.4	134.0
Brooms and brushes. . . . .	*3991	16.9	18.3	17.4	15.2	17.3	18.1
Signs and advertising displays. . . . .	3993	43.3	47.9	44.1	40.1	41.2	43.5
Burial caskets. . . . .	*3995	14.9	14.9	14.5	13.6	12.8	12.5
Manufacturing industries, nec. . . . .	*3996,9	58.8	62.1	62.6	55.4	58.1	59.9
Nondurable goods. . . . .	20-23, 26-31	7,961	8,172	8,151	7,366	7,830	7,931
Food and kindred products. . . . .	20	1,681.7	1,650.5	1,660.9	1,575.1	1,605.1	1,637.7
Meat products. . . . .	201	334.8	332.3	340.7	327.4	330.0	345.4
Meat packing plants. . . . .	2011	174.5	166.4	170.6	169.2	167.3	171.0
Sausages and other prepared meats. . . . .	2013	64.1	66.5	67.4	66.4	66.5	68.5
Poultry dressing plants. . . . .	2016	83.0	85.9	87.8	79.0	84.7	92.3
Poultry and egg processing. . . . .	*2017	13.2	13.5	14.9	12.8	14.5	13.6
Dairy products. . . . .	202	217.2	206.1	199.5	192.1	188.5	186.5
Creamery butter and condensed and evaporated milk. . . . .	*2021,3	18.3	17.4	17.6	17.7	16.4	15.4
Cheese, natural and processed. . . . .	2022	26.9	27.0	28.3	26.8	29.9	30.5
Ice cream and frozen desserts. . . . .	*2024	20.5	21.3	19.6	19.4	18.8	19.4
Fluid milk. . . . .	2026	151.5	140.4	134.0	128.2	123.4	121.2
Preserved fruits and vegetables. . . . .	203	218.3	209.5	220.5	202.9	210.0	214.4
Canned specialties. . . . .	2032	29.5	29.1	29.2	24.9	26.5	25.4
Canned fruits and vegetables. . . . .	2033	78.2	73.6	78.2	71.9	72.4	72.1
Dehydrated fruits, soups, and vegetables. . . . .	*2034	15.1	13.8	15.4	14.4	16.3	16.8
Pickles, sauces, and salad dressings. . . . .	*2035	22.4	21.5	23.1	21.0	23.8	23.0
Frozen fruits and vegetables. . . . .	2037	48.9	44.9	47.5	47.1	43.9	47.8
Frozen specialties. . . . .	*2038	24.2	26.6	27.1	23.6	27.1	29.3
Grain mill products. . . . .	204	132.0	134.1	138.5	137.1	135.3	139.2
Flour and other grain mill products. . . . .	2041	24.9	25.0	25.5	25.6	24.2	24.3
Cereal breakfast foods. . . . .	*2043	13.6	14.9	15.8	16.1	16.1	16.8
Rice milling and blended and prepared flour. . . . .	*2044,5	10.2	10.7	11.7	11.9	11.6	12.3
Wet corn milling. . . . .	*2046	16.2	14.4	14.2	13.5	12.3	13.3
Dog, cat, and other pet food. . . . .	*2047	13.6	14.6	16.1	16.9	17.7	16.6
Prepared feeds, nec. . . . .	2048	53.5	54.5	55.2	53.1	53.4	55.9
Baking products. . . . .	205	260.3	248.2	241.4	227.5	234.2	232.0
Bread, cake, and related products. . . . .	2051	214.0	202.2	195.7	186.6	193.1	190.8
Cookies and crackers. . . . .	2052	46.3	46.0	45.7	41.0	41.1	41.2
Sugar and confectionery products. . . . .	206	112.4	113.7	111.3	95.9	104.7	107.6
Cane and beet sugar. . . . .	2061-3	32.9	31.8	32.1	30.1	32.7	31.9
Confectionery products. . . . .	2065	58.6	62.0	59.8	48.9	52.6	55.7
Chocolate and cocoa products, and chewing gum. . . . .	*2066,7	20.9	19.9	19.4	16.9	19.4	20.0
Fats and oils. . . . .	207	38.8	39.5	41.6	41.4	41.8	41.6
Oil mills. . . . .	*2074,5,6	16.0	16.7	17.7	17.3	17.5	16.2
Animal and marine fats and oils. . . . .	*2077	11.4	11.4	11.6	11.4	10.8	12.5
Shortening and cooking oils. . . . .	*2079	11.4	11.4	12.3	12.7	13.5	12.9
Beverages. . . . .	208	220.6	221.4	218.5	212.2	212.5	218.8
Malt beverages. . . . .	2082	53.7	53.2	49.3	50.2	44.2	48.4
Malt and other flavoring extracts and syrups. . . . .	*2083,7	12.2	12.9	13.4	13.3	13.2	13.2
Wines, brandy, and brandy spirits. . . . .	*2084	9.7	10.6	11.5	12.6	11.5	11.1
Distilled liquor, exc. brandy. . . . .	*2085	22.1	20.7	19.8	19.0	19.3	18.5

See footnotes at end of table.

Table 6. Employment Levels<sup>1</sup> by Industry, March 1972–March 1977—Continued

[All employees in thousands]

Industry title	1972 SIC Code	March 1972	March 1973	March 1974	March 1975	March 1976	March 1977
Bottled and canned soft drinks . . . . .	2086	122.9	124.0	124.5	117.1	124.3	127.6
Misc. foods and kindred products. . . . .	209	147.3	145.7	148.9	138.6	145.1	152.2
Canned and cured seafoods . . . . .	*2091	17.1	15.9	18.0	16.4	16.7	17.7
Fresh or frozen packaged fish . . . . .	*2092	29.2	27.8	27.5	24.5	26.8	28.6
Roasted coffee . . . . .	*2095	14.6	14.6	15.3	14.1	14.2	13.8
Misc. food preparation . . . . .	*2097,8,9	86.4	87.4	88.1	83.6	87.4	92.1
Tobacco manufactures . . . . .	21	71.9	73.2	73.3	69.5	69.0	67.2
Cigarettes . . . . .	211	41.7	44.2	45.5	43.0	45.9	44.1
Cigars. . . . .	*212	15.2	14.7	14.5	12.4	10.4	9.4
Other tobacco manufactures. . . . .	*213, 4	15.0	14.3	13.3	14.1	12.7	13.7
Textile mill products . . . . .	22	977.8	1,014.8	991.6	813.7	921.4	907.0
Weaving mills, cotton . . . . .	221	179.9	181.5	178.8	148.2	167.6	162.7
Weaving mills, synthetics. . . . .	222	107.2	110.7	116.5	103.8	123.9	126.3
Weaving and finishing mills, wool. . . . .	223	25.3	26.9	26.5	19.9	21.7	21.2
Narrow fabric mills . . . . .	224	29.0	30.4	30.5	21.8	26.5	25.2
Knitting mills . . . . .	225	267.6	273.4	256.0	215.7	230.4	230.6
Women's hosiery, exc. socks. . . . .	2251	51.4	45.3	36.9	30.8	27.5	28.6
Hosiery, nec . . . . .	2252	32.7	34.3	32.9	28.9	33.3	33.7
Knit outerwear mills . . . . .	2253	76.0	83.6	79.1	65.0	70.2	72.5
Knit underwear mills . . . . .	2254	35.6	32.6	32.8	31.3	36.4	34.5
Circular knit fabric mills . . . . .	2257	43.0	48.6	44.3	33.8	36.3	36.6
Knit fabric and knitting mills, nec . . . . .	*2258,9	28.9	29.0	30.0	25.9	26.7	24.7
Textile finishing, exc. wool . . . . .	226	91.2	96.0	91.8	76.0	88.1	80.1
Finishing plants, cotton . . . . .	2261	45.4	47.4	41.5	31.0	36.6	32.7
Finishing plants, synthetics . . . . .	2262	26.8	28.6	30.0	29.4	33.1	30.1
Finishing plants, nec . . . . .	*2269	19.0	20.0	20.3	15.6	18.4	17.3
Floor covering mills. . . . .	227	60.7	65.3	63.4	51.9	58.2	59.2
Yarn and thread mills. . . . .	228	145.1	156.6	152.6	113.1	134.5	131.7
Yarn mills, exc. wool . . . . .	2281	90.5	96.3	94.1	73.0	87.6	86.0
Throwing and winding mills . . . . .	2282	27.1	30.2	31.9	21.6	25.1	23.0
Wool yarn mills . . . . .	*2283	15.8	17.6	14.7	10.2	10.9	11.7
Thread mills . . . . .	*2284	11.7	12.5	11.9	8.3	10.9	11.0
Misc. textile goods . . . . .	229	71.8	74.0	75.5	63.3	70.5	70.0
Coated fabrics, not rubberized . . . . .	*2295	13.1	13.7	13.0	10.8	12.8	12.7
Tire cord and fabric. . . . .	*2296	11.6	12.1	12.8	10.9	11.8	12.0
Cordage and twine , . . . . .	*2298	11.1	11.1	11.8	9.9	10.0	10.7
Other textile goods . . . . .	*2291-4,7,9	36.0	37.1	37.9	31.7	35.9	34.6
Apparel and other textile products . . . . .	23	1,367.0	1,451.8	1,393.9	1,186.2	1,340.2	1,309.8
Men's and boys' suits and coats . . . . .	231	112.6	115.4	109.7	86.1	89.3	90.2
Men's and boys' furnishings . . . . .	232	391.3	406.6	398.8	337.9	383.5	369.8
Men's and boys' shirts and nightwear . . . . .	2321	115.0	120.5	117.7	102.2	115.5	106.5
Men's and boys' underwear . . . . .	*2322	20.5	19.9	19.0	13.9	15.7	15.9
Men's and boys' neckwear . . . . .	*2323	10.1	10.3	9.2	6.5	7.5	6.7
Men's and boys' separate trousers. . . . .	2327	97.2	94.4	91.5	76.7	88.8	88.4
Men's and boys' work clothing . . . . .	2328	92.4	102.4	104.0	89.4	100.4	94.6
Men's and boys' clothing, nec . . . . .	*2329	56.1	59.1	57.4	49.2	55.6	57.7
Women's and misses' outerwear . . . . .	233	419.9	460.4	447.7	392.7	445.9	433.2
Women's and misses' blouses and waists .	2331	45.7	51.9	52.0	48.6	56.4	55.8
Women's and misses' dresses . . . . .	2335	200.0	209.6	199.3	170.1	183.1	170.7
Women's and misses' suits and coats . . . . .	2337	69.2	77.4	71.0	60.8	71.7	65.9
Women's and misses' outerwear, nec . . . . .	2339	105.0	121.5	125.4	113.2	134.7	140.8
Women's and children's undergarments . . . . .	234	116.8	115.6	106.6	87.6	98.6	94.8
Women's and children's underwear . . . . .	2341	85.0	85.2	78.3	63.9	73.4	74.2
Brassieres and allied garments . . . . .	2342	31.8	30.4	28.3	23.7	25.2	20.6
Hats, caps, and millinery . . . . .	*235	14.2	15.6	15.1	15.2	15.7	15.4
Children's outerwear . . . . .	236	70.2	80.6	74.9	61.7	70.8	68.9
Children's dresses and blouses . . . . .	2361	34.3	34.5	31.8	23.6	27.4	26.8
Children's coats and suits . . . . .	*2363	8.7	9.8	8.8	7.5	8.8	8.1
Children's outerwear, nec . . . . .	*2369	27.2	36.3	34.3	30.6	34.6	34.0
Fur goods . . . . .	*237	4.7	4.3	3.5	3.6	4.0	4.0
Misc. apparel and accessories . . . . .	238	64.8	67.2	65.5	55.6	60.4	60.4
Fabric dress and work gloves . . . . .	*2381	13.5	15.4	16.6	12.5	12.3	13.9
Robes and dressing gowns . . . . .	*2384	12.4	12.5	12.4	9.2	11.1	11.3
Waterproof outer garments . . . . .	*2385	18.1	17.9	16.1	14.0	14.5	13.6
Apparel and accessories, nec . . . . .	*2386,7,9	20.8	21.4	20.4	19.9	22.5	21.6
Misc. fabricated textile products . . . . .	239	172.5	186.1	172.1	145.8	172.0	173.1
Curtains and draperies . . . . .	2391	31.7	33.0	30.2	24.6	28.4	28.0

See footnotes at end of table.

Table 6. Employment Levels<sup>1</sup> by Industry, March 1972–March 1977—Continued

[All employees in thousands]

Industry title	1972 SIC Code	March 1972	March 1973	March 1974	March 1975	March 1976	March 1977
House furnishings, nec . . . . .	2392	46.4	47.2	46.8	38.1	45.3	45.6
Textile bags . . . . .	*2393	7.7	8.0	8.7	7.4	8.1	8.5
Canvas and related products . . . . .	*2394	14.1	15.3	15.1	13.0	13.3	13.4
Pleating and stitching . . . . .	*2395	17.6	16.9	16.4	13.5	15.2	15.0
Automotive and apparel trimmings . . . . .	2396	30.8	31.0	24.2	24.8	31.7	32.7
Other fabricated textile products . . . . .	*2397,9	24.2	34.7	30.7	24.4	30.0	29.9
Paper and allied products . . . . .	26	676.1	698.6	708.5	629.3	664.0	680.3
Paper and pulp mills . . . . .	261,2,6	203.3	206.6	209.2	193.4	200.3	203.9
Pulp mills . . . . .	*261	13.4	13.9	14.3	14.1	15.6	16.8
Paper mills, exc. building paper . . . . .	262	178.5	178.7	181.0	168.1	172.9	175.0
Building paper and board mills . . . . .	*266	13.4	14.0	13.9	11.2	11.8	12.1
Paperboard mills . . . . .	263	65.2	65.9	65.7	59.1	64.9	65.5
Misc. converted paper products . . . . .	264	192.9	203.0	210.7	188.5	197.3	205.6
Paper coating and glazing . . . . .	2641	53.5	55.7	57.6	52.2	51.9	53.5
Envelopes . . . . .	2642	23.9	25.1	25.7	22.8	22.2	23.4
Bags, exc. textile bags . . . . .	2643	42.6	45.2	47.4	43.6	45.8	46.6
Die-cut paper and board . . . . .	*2645	16.7	18.5	18.5	16.0	16.9	17.2
Sanitary paper products . . . . .	*2647	15.4	16.5	16.3	15.3	19.3	22.3
Other converted paper products . . . . .	*2646,8,9	40.8	42.0	45.2	38.6	41.2	42.6
Paperboard containers and boxes . . . . .	265	214.7	223.1	222.9	188.3	201.5	205.3
Folding paperboard boxes . . . . .	2651	48.3	48.2	48.3	41.4	43.0	41.6
Set-up paperboard boxes . . . . .	*2652	16.3	16.1	15.8	12.1	13.6	13.3
Corrugated and solid fiber boxes . . . . .	2653	103.8	108.7	108.2	91.1	97.9	102.5
Sanitary food containers . . . . .	2654	28.2	29.4	29.0	25.7	28.0	29.4
Fiber cans, drums, and similar products . . . . .	*2655	18.1	20.7	21.6	18.0	19.0	18.5
Printing and publishing . . . . .	27	1,089.1	1,109.3	1,108.4	1,084.0	1,087.8	1,122.8
Newspaper . . . . .	271	379.1	385.3	381.6	377.0	378.6	389.0
Periodicals . . . . .	272	63.2	64.7	66.4	67.0	69.6	73.9
Books . . . . .	273	98.0	97.6	98.0	98.3	97.5	100.2
Book publishing . . . . .	2731	71.5	71.2	70.0	69.3	68.0	69.2
Book printing . . . . .	2732	26.5	26.4	28.0	29.0	29.5	31.0
Misc. publishing . . . . .	274	38.1	39.0	39.6	38.0	39.5	41.6
Commercial printing . . . . .	275	352.3	358.4	357.9	347.7	350.7	360.3
Comm. printing, letterpress . . . . .	2751	168.7	170.1	165.7	161.5	160.2	158.7
Comm. printing, lithographic . . . . .	2752	162.3	166.2	171.1	167.3	171.1	180.0
Engraving and plate printing . . . . .	*2753	12.3	12.8	12.7	11.1	11.6	11.6
Comm. printing, gravure . . . . .	*2754	9.0	9.3	8.4	7.8	7.8	10.0
Manifold business forms . . . . .	276	38.7	40.7	42.8	40.2	38.9	41.7
Greeting card publishing . . . . .	*277	21.2	22.9	22.5	21.9	20.0	21.0
Blankbooks and bookbinding . . . . .	278	56.8	58.9	59.0	54.9	55.0	56.3
Blankbooks and looseleaf binders . . . . .	*2782	30.9	32.9	34.1	31.8	32.0	33.5
Bookbinding and related work . . . . .	*2789	25.9	26.0	24.9	23.1	23.0	22.8
Printing trade services . . . . .	279	41.7	41.8	40.6	39.0	38.0	38.8
Typesetting . . . . .	*2791	24.2	24.5	23.9	23.4	22.9	23.8
Other publishing and printing . . . . .	*2793,4,5	17.5	17.3	16.7	15.6	15.1	15.0
Chemicals and allied products . . . . .	28	1,000.8	1,024.2	1,052.7	1,007.7	1,035.1	1,062.6
Industrial inorganic chemicals . . . . .	281	139.2	141.5	145.1	149.6	150.1	158.5
Alkalies and chlorine . . . . .	*2812	24.0	23.6	22.8	23.2	21.8	21.9
Industrial gases . . . . .	*2813	15.4	16.1	16.9	17.1	17.6	21.3
Inorganic pigments . . . . .	*2816	11.4	12.2	13.6	12.7	12.6	12.8
Industrial inorganic chemicals, nec . . . . .	2819	88.4	89.6	91.8	96.6	98.1	102.5
Plastics materials and synthetics . . . . .	282	226.1	235.3	245.7	212.5	222.2	212.9
Plastics materials and resins . . . . .	2821	80.7	82.7	86.3	80.4	81.4	81.4
Synthetic rubber . . . . .	*2822	16.4	17.1	16.7	14.5	13.4	13.9
Cellulosic man-made fibers . . . . .	*2823	38.7	39.8	38.3	25.2	24.9	21.0
Organic fibers, noncellulosic . . . . .	2824	90.3	95.7	104.4	92.4	102.5	96.6
Drugs . . . . .	283	158.5	160.6	165.1	165.8	167.3	178.7
Biological products . . . . .	*2831	17.9	18.3	19.3	18.7	19.6	19.9
Medicinals and botanicals . . . . .	*2833	14.8	14.8	14.7	15.0	14.2	15.9
Pharmaceutical preparations . . . . .	2834	125.8	127.5	131.1	132.1	133.5	142.9
Soap, cleaners, and toilet goods . . . . .	284	119.4	124.9	122.9	118.8	124.6	127.9
Soap and other detergents . . . . .	2841	40.4	39.8	38.9	37.4	37.7	39.5
Polishing, sanitation, and finishing preparations . . . . .	2842,3	32.2	34.4	34.9	33.8	35.6	35.8
Toilet preparations . . . . .	2844	46.8	50.7	49.1	47.6	51.3	52.6
Paints and allied products . . . . .	285	67.5	68.6	67.1	60.0	65.2	65.3
Industrial organic chemicals . . . . .	286	142.2	143.4	151.9	148.7	156.1	163.9

See footnotes at end of table.

Table 6. Employment Levels<sup>1</sup> by Industry, March 1972–March 1977—Continued

[All employees in thousands]

Industry title	1972 SIC Code	March 1972	March 1973	March 1974	March 1975	March 1976	March 1977
Cyclic crudes and intermediates . . . . .	2865	32.9	31.7	32.3	30.1	33.6	35.4
Gum and wood chemicals, and industrial organic chemicals, nec . . . . .	2861,9	109.3	111.7	119.6	118.6	122.5	128.5
Agricultural chemicals . . . . .	287	58.7	61.5	64.0	68.1	69.4	71.0
Nitrogenous fertilizers . . . . .	*2873	11.0	11.3	11.2	12.0	14.0	16.7
Phosphatic fertilizers . . . . .	*2874	15.6	15.8	15.7	16.8	16.2	15.6
Fertilizers, mixing only. . . . .	*2875	13.8	15.4	16.0	16.0	15.3	15.7
Agricultural chemicals, nec . . . . .	*2879	18.3	19.0	21.1	23.3	23.9	23.0
Misc. chemical products . . . . .	289	89.2	88.4	90.9	84.2	80.2	84.4
Adhesives and sealants . . . . .	*2891	13.8	14.2	15.5	14.8	15.5	16.6
Explosives . . . . .	*2892	23.2	23.2	22.4	19.7	13.6	13.7
Printing ink . . . . .	*2893	11.3	11.1	12.4	12.3	10.6	11.3
Other chemical preparations. . . . .	*2895,9	40.9	39.9	40.6	37.4	40.5	42.8
Petroleum and coal products . . . . .	29	192.0	187.4	192.1	185.6	195.1	194.4
Petroleum refining . . . . .	291	151.3	145.9	150.3	147.4	155.3	154.6
Paving and roofing materials. . . . .	295	29.4	30.6	30.3	27.0	28.7	28.8
Paving mixtures and blocks . . . . .	*2951	10.9	10.6	10.9	10.0	10.1	10.1
Asphalt felts and coatings . . . . .	*2952	18.5	20.0	19.4	17.0	18.6	18.7
Misc. petroleum and coal products . . . . .	*2992,9	11.3	10.9	11.5	11.2	11.1	11.0
Rubber and misc. plastics products . . . . .	30	607.8	678.0	691.5	581.3	645.0	694.3
Tires and inner tubes . . . . .	301	119.7	126.4	134.6	119.9	122.5	129.9
Rubber and plastics footwear . . . . .	302	28.6	30.7	30.1	27.2	26.9	24.4
Fabricated rubber products . . . . .	*303,4,6	133.1	145.3	144.2	120.6	126.5	133.7
Reclaimed rubber, and rubber and plastics hose and belting. . . . .	303,4	19.1	21.0	22.4	20.5	21.7	23.0
Fabricated rubber products, nec . . . . .	306	114.0	124.3	121.8	100.1	104.8	110.7
Misc. plastics products . . . . .	307	326.4	375.6	382.6	313.6	369.1	406.3
Leather and leather products . . . . .	31	297.0	284.3	277.6	234.0	266.8	254.5
Leather tanning and finishing . . . . .	311	25.5	23.3	21.9	21.0	23.8	22.9
Boot and shoe cut stock and findings. . . . .	*313	13.2	12.4	11.4	8.6	10.3	10.1
Footwear, except rubber . . . . .	314	195.4	183.3	177.7	149.8	167.0	156.3
House slippers . . . . .	*3142	10.6	11.5	11.4	9.0	8.2	8.3
Men's footwear, except athletic . . . . .	3143	63.4	63.6	63.0	57.8	66.3	65.0
Women's footwear, except athletic . . . . .	3144	86.3	82.7	77.8	60.3	69.4	61.4
Footwear, except rubber, nec . . . . .	*3149	35.1	25.5	25.5	22.7	23.1	21.6
Luggage . . . . .	316	16.7	17.6	18.4	14.6	17.7	17.2
Handbags and personal leather goods. . . . .	317	32.7	34.1	33.7	27.8	34.4	33.7
Women's handbags and purses . . . . .	*3171	20.3	21.5	20.9	17.0	20.4	19.8
Personal leather goods, nec . . . . .	*3172	12.4	12.6	12.8	10.8	14.0	13.9
Other leather products, nec . . . . .	*315,9	13.5	13.6	14.5	12.2	13.6	14.3
Service-producing . . . . .	—	49,233	51,248	52,792	53,721	55,364	57,005
Transportation and public utilities . . . . .	40-49	4,485	4,579	4,684	4,513	4,506	4,603
Transportation . . . . .	*40,41,42, 44,45,46, 47	2,631.3	2,700.8	2,754.2	2,610.2	2,617.3	2,696.8
Railroad transportation . . . . .	40	580.4	568.8	574.8	549.0	527.1	530.5
Class I (line-haul) railroads. . . . .	4011	524.4	514.0	528.6	495.8	484.1	486.7
Other railroads, and switching and terminal services. . . . .	*4011-2, 4013-1, 4013-2, 404	56.0	54.8	46.2	53.2	43.0	43.8
Local and interurban passenger transit . . .	41	284.2	283.4	287.8	281.8	272.4	272.7
Local and suburban transportation . . . . .	411	76.9	71.0	70.1	71.9	68.2	70.3
Taxicabs . . . . .	412	99.6	98.7	98.2	88.6	80.4	75.2
Intercity highway transportation . . . . .	413	40.4	39.6	39.1	38.2	37.3	36.3
School buses. . . . .	415	58.0	64.0	69.7	72.0	75.4	78.6
Other passenger transit service. . . . .	*414,7	9.3	10.1	10.7	11.1	11.1	12.3
Trucking and warehousing. . . . .	42	1,082.5	1,150.7	1,187.0	1,069.8	1,109.1	1,158.8
Trucking and trucking terminals . . . . .	421,3	1,003.3	1,061.6	1,097.7	986.6	1,027.6	1,076.3
Trucking, local and long distance . . . . .	*421	998.8	1,057.0	1,092.7	982.1	1,023.0	1,071.3
Trucking terminal facilities . . . . .	*423	4.5	4.6	5.0	4.5	4.6	5.0
Public warehousing . . . . .	422	79.2	89.1	89.3	83.2	81.5	82.5
Water transportation . . . . .	44	206.0	198.0	196.8	192.7	186.9	186.4
Deep sea transportation . . . . .	*441,2	54.7	50.1	47.1	45.1	42.7	42.9
Water transportation services . . . . .	*446	116.0	112.4	112.4	108.3	107.4	103.8
Other water transportation . . . . .	*443,4,5	35.3	33.5	37.3	39.3	36.8	39.7
Transportation by air. . . . .	45	343.4	362.5	361.4	367.6	366.8	379.8

See footnotes at end of table.

Table 6. Employment Levels<sup>1</sup> by Industry, March 1972–March 1977—Continued

[All employees in thousands]

Industry title	1972 SIC Code	March 1972	March 1973	March 1974	March 1975	March 1976	March 1977
Air transportation. . . . .	451,2	311.4	328.0	327.0	330.9	330.0	340.6
Air transportation services. . . . .	*458	32.0	34.5	34.4	36.7	36.8	39.2
Pipe lines, except natural gas. . . . .	46	16.3	16.4	16.8	17.2	17.3	17.6
Transportation services. . . . .	47	118.5	121.0	129.6	132.1	137.7	151.0
Freight forwarding. . . . .	*471	34.0	34.1	36.4	36.8	36.6	40.2
Arrangement of transportation. . . . .	*472	64.2	66.1	70.8	74.1	80.5	90.6
Other transportation services. . . . .	*474,8	20.3	20.8	22.4	21.2	19.6	20.2
Communication. . . . .	48	1,155.2	1,159.4	1,192.3	1,174.1	1,161.8	1,173.1
Telephone communication. . . . .	481	959.7	963.5	992.9	968.0	949.5	949.8
Telegraph communication. . . . .	*482	24.2	22.6	20.3	19.0	17.8	18.0
Radio and television communication. . . . .	483	142.9	142.0	147.4	152.8	157.0	164.9
Communication services, nec. . . . .	*489	28.4	31.3	31.7	34.3	37.5	40.4
Electric, gas, and sanitary services. . . . .	49	698.7	719.1	737.4	728.2	727.2	732.9
Electric services. . . . .	491	306.5	317.6	329.9	325.0	324.8	331.3
Gas production and distribution. . . . .	492	157.8	160.9	161.5	157.3	157.9	155.7
Combination utility services. . . . .	493	180.3	184.2	188.0	187.7	184.0	184.5
Water supply. . . . .	*494	17.1	18.1	18.3	18.4	18.5	19.0
Sanitary services. . . . .	495	34.7	35.9	37.1	37.2	39.0	39.1
Steam supply and irrigation systems. . . . .	*496,7	2.3	2.4	2.6	2.6	3.0	3.3
Wholesale and retail trade. . . . .	50-59	15,495	16,176	16,537	16,571	17,245	17,891
Wholesale trade. . . . .	50,51	4,048	4,205	4,374	4,354	4,480	4,607
Wholesale trade—durable goods. . . . .	50	2,282.0	2,396.0	2,531.0	2,501.0	2,565.0	2,651.0
Motor vehicles and auto. equipment. . . . .	501	346.2	365.0	375.5	363.7	379.1	389.8
Furniture and home furnishings. . . . .	502	80.7	86.1	88.2	83.9	86.8	92.0
Lumber and construction materials. . . . .	503	139.6	147.0	152.3	141.5	151.6	155.6
Sporting goods, toys, and hobby goods. . . . .	504	49.0	52.9	54.5	53.7	57.2	59.1
Metals and minerals, except petroleum. . . . .	505	113.0	122.1	127.5	123.2	126.3	127.8
Electrical goods. . . . .	506	329.6	337.8	359.4	348.9	347.7	361.9
Hardware, plumbing and heating equipment. . . . .	507	197.0	206.4	211.5	202.4	208.0	214.4
Machinery, equipment, and supplies. . . . .	508	854.6	900.1	967.9	993.2	1,018.2	1,063.2
Misc. durable goods. . . . .	509	172.3	178.7	193.8	190.4	190.1	186.7
Wholesale trade—nondurable goods. . . . .	51	1,766.0	1,809.0	1,843.0	1,853.0	1,915.0	1,956.0
Paper and paper products. . . . .	511	109.6	111.5	115.1	114.9	120.0	123.9
Drugs, proprietaries, and sundries. . . . .	512	113.9	118.7	129.7	123.6	125.3	130.0
Apparel, piece goods, and notions. . . . .	513	155.9	160.5	160.0	152.2	157.1	156.7
Groceries and related products. . . . .	514	522.4	547.0	555.0	568.0	587.9	593.9
Farm-product raw materials. . . . .	*515	134.3	135.4	134.5	131.3	136.2	142.2
Chemicals and allied products. . . . .	516	98.9	101.9	108.1	110.2	109.7	113.4
Petroleum and petroleum products. . . . .	517	227.1	222.5	213.2	223.6	229.7	230.4
Beer, wine, and distilled beverages. . . . .	518	106.4	110.2	110.8	113.3	116.9	120.4
Misc. nondurable goods. . . . .	519	297.7	301.5	316.8	316.1	332.6	345.1
Retail trade. . . . .	52-59	11,447	11,971	12,163	12,217	12,765	13,284
Building materials and garden supplies. . . . .	52	489.5	518.0	537.2	496.9	524.6	546.5
Lumber and other building materials. . . . .	521	254.2	276.5	280.6	251.5	269.1	282.8
Paint, glass, and wallpaper stores. . . . .	*523	48.1	49.4	50.2	51.3	53.2	55.7
Hardware stores. . . . .	525	118.3	116.9	125.8	124.0	129.6	134.0
Retail nurseries and garden stores. . . . .	*526	33.7	36.2	44.6	41.5	45.7	47.0
Mobile home dealers. . . . .	*527	35.2	39.0	36.0	28.6	27.0	27.0
General merchandise stores. . . . .	53	2,033.6	2,127.4	2,117.7	2,033.1	2,059.5	2,101.6
Department stores. . . . .	531	1,609.6	1,690.9	1,679.0	1,615.7	1,654.5	1,694.0
Variety stores. . . . .	533	289.8	294.9	304.5	285.9	270.0	280.8
Misc. general merchandise stores. . . . .	539	134.2	141.6	134.2	131.5	135.0	126.8
Food stores. . . . .	54	1,792.6	1,852.3	1,925.0	1,988.0	2,030.3	2,080.8
Grocery stores. . . . .	541	1,567.4	1,619.5	1,684.9	1,746.2	1,775.4	1,817.1
Meat markets and freezer provisioners. . . . .	542	45.9	45.2	46.9	49.2	52.3	52.2
Retail bakeries. . . . .	546	104.8	107.5	107.4	103.0	109.6	116.3
Other food stores. . . . .	*543,4,5,9	74.5	80.1	85.8	89.6	93.0	95.2
Automotive dealers and service stations. . . . .	55	1,674.8	1,778.0	1,604.7	1,640.8	1,713.2	1,768.4
Car dealers. . . . .	551,2	801.2	840.9	790.6	755.9	804.2	836.7
New and used car dealers. . . . .	*551	762.6	797.1	748.0	715.3	759.2	790.8
Used car dealers. . . . .	*552	38.6	43.8	42.6	40.6	45.0	45.9
Auto and home supply stores. . . . .	553	178.4	195.1	197.6	201.2	214.5	230.9
Gasoline service stations. . . . .	554	627.5	670.0	544.1	616.6	621.5	624.4
Other automotive dealers. . . . .	*555,6,7,9	67.7	72.0	72.4	67.1	73.0	76.4
Apparel and accessory stores. . . . .	56	764.6	772.9	786.8	777.2	809.6	841.3
Men's and boys' clothing and furnishings. . . . .	561	130.9	131.1	132.4	128.0	132.7	133.4

See footnotes at end of table.

Table 6. Employment Levels<sup>1</sup> by Industry, March 1972–March 1977—Continued

[All employees in thousands]

Industry title	1972 SIC Code	March 1972	March 1973	March 1974	March 1975	March 1976	March 1977
Women's ready-to-wear stores . . . . .	562	280.5	287.7	291.8	288.9	304.7	318.1
Women's accessory and specialty stores . . . . .	*563	26.5	28.0	25.6	25.4	25.0	23.6
Children's and infants' wear stores . . . . .	*564	21.1	20.8	20.6	21.4	22.3	23.7
Family clothing stores . . . . .	565	122.7	123.2	130.7	128.3	134.7	147.0
Shoe stores . . . . .	566	153.2	152.7	155.0	154.5	157.3	161.1
Furriers and other misc. apparel and accessories . . . . .	*568,9	29.7	29.4	30.7	30.7	32.9	34.4
Furniture and home furnishings stores . . . . .	57	504.5	526.6	535.5	506.9	533.2	545.4
Furniture and home furnishings . . . . .	571	319.3	335.6	337.8	313.9	323.3	330.3
Household appliance stores . . . . .	572	86.4	88.9	88.0	80.9	85.6	81.8
Radio, television, and music stores . . . . .	573	98.8	102.1	109.7	112.1	124.3	133.3
Eating and drinking places . . . . .	58	1,721.1	2,887.8	3,075.6	3,187.6	3,449.4	3,708.0
Miscellaneous retail stores . . . . .	59	1,465.8	1,507.7	1,580.4	1,586.6	1,645.6	1,691.9
Drug stores and proprietary stores . . . . .	591	444.3	453.5	462.3	463.3	470.8	473.7
Liquor stores . . . . .	592	92.3	96.8	101.1	103.2	106.1	108.6
Used merchandise stores . . . . .	*593	35.2	36.8	38.7	42.2	45.8	48.4
Misc. shopping goods stores . . . . .	594	363.3	378.7	413.3	419.1	447.3	474.2
Nonstore retailers . . . . .	596	240.4	243.0	252.9	246.1	256.9	259.0
Fuel and ice dealers . . . . .	598	110.1	109.7	107.7	105.1	105.2	106.2
Retail stores, nec . . . . .	599	180.2	189.2	204.4	207.6	213.5	221.8
Finance, insurance, and real estate . . . . .	60-67	3,841	3,989	4,107	4,117	4,204	4,377
Banking . . . . .	60	1,090.6	1,153.8	1,227.2	1,259.4	1,293.5	1,333.9
Commercial and stock savings banks . . . . .	602	1,004.7	1,061.9	1,127.9	1,154.3	1,184.3	1,218.6
Mutual savings banks . . . . .	*603	40.4	43.7	46.9	49.1	53.0	58.1
Other related banking functions . . . . .	*601,4,5	45.5	48.2	52.4	56.0	56.2	57.2
Credit agencies other than banks . . . . .	61	376.1	409.9	427.6	427.9	442.0	465.0
Savings and loan associations . . . . .	612	117.5	133.2	145.9	156.0	172.8	188.9
Personal credit institutions . . . . .	614	183.3	195.7	198.9	191.2	186.1	189.7
Business credit institutions . . . . .	*615	22.0	23.3	24.2	24.2	23.6	22.7
Mortgage bankers and brokers . . . . .	*616	40.3	43.9	44.3	41.3	43.7	48.1
Credit agencies other than banks, nec . . . . .	*611,3	13.0	13.8	14.3	15.2	15.8	15.6
Security, commodity brokers and services . . . . .	62	201.7	201.6	179.4	166.7	174.7	180.9
Security brokers and dealers . . . . .	621	173.7	173.2	151.6	138.6	145.8	148.5
Other security, commodity brokers and services . . . . .	*622,3,8	28.0	28.4	27.8	28.1	28.9	32.4
Insurance carriers . . . . .	63	1,051.1	1,063.9	1,084.5	1,085.0	1,086.4	1,130.4
Life insurance . . . . .	631	526.5	525.2	529.0	522.3	510.6	516.8
Medical service and health insurance . . . . .	632	100.8	104.3	112.1	121.8	125.7	131.7
Fire, marine, and casualty insurance . . . . .	633	373.7	380.4	389.0	385.5	390.2	420.2
Other insurance carriers . . . . .	*635,6,7,9	50.1	54.0	54.4	55.4	59.9	61.8
Insurance agents, brokers, and services . . . . .	64	296.7	307.6	327.8	335.3	345.0	365.6
Real estate . . . . .	65	722.7	743.8	750.4	727.0	744.1	780.5
Real estate operators and lessors . . . . .	651	378.7	380.3	391.1	387.9	392.2	405.2
Real estate agents and managers . . . . .	653	202.4	216.2	225.8	224.2	239.9	259.7
Title abstract offices . . . . .	*654	15.5	17.4	16.1	14.9	17.0	20.3
Subdividers and developers . . . . .	655	126.1	129.9	117.4	100.0	95.0	95.3
Combined real estate, insurance, etc . . . . .	66	30.7	32.1	30.9	30.5	29.2	27.8
Holding and other investment offices . . . . .	67	71.3	75.8	79.4	84.9	89.0	92.6
Holding offices . . . . .	*671	30.9	33.3	34.4	37.5	37.7	41.9
Holding and other investment offices, nec . . . . .	*672,3,9	40.4	42.5	45.0	47.4	51.3	50.7
Services . . . . .	07, 70-86, 89, 99	11,991	12,650	13,191	13,632	14,284	14,935
Veterinary, animal, landscape and horticultural services . . . . .	*074,5,8	134.3	145.2	140.8	141.9	157.5	166.4
Hotels and other lodging places . . . . .	70	766.3	802.3	809.3	840.3	880.4	899.0
Hotels, motels, and tourist courts . . . . .	701	732.2	766.7	772.1	803.8	845.4	865.8
Camps and trailering parks . . . . .	*703	15.0	16.4	13.8	15.2	14.4	14.7
Other lodging places . . . . .	*702,4	19.1	19.2	23.4	21.3	20.6	18.5
Personal services . . . . .	72	907.8	914.6	895.4	865.0	866.2	880.3
Laundry, cleaning, and garment services . . . . .	721	447.8	428.1	395.8	364.4	357.2	353.6
Photographic studios, portrait . . . . .	*722	30.4	33.0	32.8	33.1	35.0	36.0
Beauty shops . . . . .	723	260.9	267.9	266.2	263.1	268.3	273.4
Barber shops . . . . .	*724	31.8	30.4	28.0	26.5	26.4	26.8
Funeral service and crematories . . . . .	726	63.2	65.6	68.2	69.4	69.6	68.2
Misc. personal services . . . . .	*725,9	73.7	89.6	104.4	108.5	109.7	122.3
Business services . . . . .	73	1,722.8	1,892.8	1,986.8	2,007.6	2,117.7	2,264.6

See footnotes at end of table.

**Table 6. Employment Levels<sup>1</sup> by Industry, March 1972–March 1977—Continued**

[All employees in thousands]

Industry title	1972 SIC Code	March 1972	March 1973	March 1974	March 1975	March 1976	March 1977
Advertising . . . . .	731	120.6	122.0	122.8	122.5	123.0	128.8
Credit reporting and collection . . . . .	732	74.1	78.0	78.6	76.1	76.6	80.1
Mailing, reproduction, stenographic . . . . .	733	80.8	85.7	88.5	85.3	88.8	91.9
Services to buildings . . . . .	734	324.4	359.6	384.5	386.4	397.7	414.2
Personnel supply services. . . . .	736	208.2	248.3	263.2	232.6	282.0	337.9
Computer and data processing services. . . . .	737	100.3	113.6	130.7	140.3	154.0	176.0
Other business services . . . . .	*735,9	814.4	885.6	918.5	964.4	995.6	1,035.7
Auto repair, services, and garages . . . . .	75	398.1	422.4	428.1	425.1	456.7	485.5
Automotive rentals, without drivers . . . . .	*751	65.5	78.0	81.7	79.7	83.1	88.3
Automobile parking . . . . .	*752	37.3	38.7	36.8	35.7	36.2	36.7
Automotive repair shops. . . . .	753	231.1	241.4	249.3	251.5	278.7	297.4
Automotive services, except repairs. . . . .	*754	64.2	64.3	60.3	58.2	58.7	63.1
Miscellaneous repair services. . . . .	76	195.4	202.5	214.7	216.2	226.7	232.5
Electrical repair shops . . . . .	*762	60.5	62.4	66.1	65.1	68.3	69.9
Reupholstery and furniture repair . . . . .	*764	22.1	22.9	21.5	20.2	21.4	22.0
Misc. repair services, nec . . . . .	*763,9	112.8	117.2	127.1	130.9	137.0	140.6
Motion pictures . . . . .	78	193.3	192.0	203.1	196.4	200.7	203.8
Motion picture production and services . . . . .	781	63.3	57.8	67.4	60.6	68.5	72.5
Motion picture distribution and services . . . . .	*782	12.0	11.3	11.0	10.4	9.8	10.4
Motion picture theaters . . . . .	783	118.0	122.9	124.7	125.4	122.4	120.9
Amusement and recreation services. . . . .	79	461.8	489.2	511.3	530.2	560.8	600.5
Dance halls, studios, and schools . . . . .	*792	62.3	57.8	63.1	62.6	65.8	72.1
Bowling and billiard establishments. . . . .	*793	98.0	98.0	102.0	103.0	106.4	112.2
Commercial sports . . . . .	*794	49.0	55.4	48.4	55.7	60.6	60.5
Amusement and recreation services, nec . . . . .	*791,9	252.5	278.0	297.8	308.9	328.0	355.7
Health services. . . . .	80	3,337.2	3,573.1	3,793.2	4,067.7	4,266.0	4,509.0
Offices of physicians . . . . .	801	431.1	479.5	526.6	568.3	600.7	634.4
Offices of dentists. . . . .	802	183.5	200.5	221.0	241.2	260.1	279.5
Offices of osteopathic physicians . . . . .	*803	13.1	14.4	15.4	16.3	17.5	19.4
Offices of other health practitioners . . . . .	*804	42.1	48.9	56.3	59.6	62.7	69.0
Nursing and personal care services . . . . .	805	563.5	641.2	687.8	740.2	788.1	840.9
Hospitals. . . . .	806	1,963.2	2,031.2	2,115.9	2,253.5	2,327.6	2,438.4
Medical and dental lab . . . . .	*807	67.6	73.6	78.3	80.5	87.0	92.2
Health services, nec . . . . .	*808,9	73.1	83.8	91.9	108.1	122.3	135.2
Legal services . . . . .	81	259.5	286.2	309.6	332.1	357.1	381.7
Educational services . . . . .	82	1,007.8	1,034.6	1,053.4	1,064.4	1,093.3	1,093.3
Elementary and secondary schools . . . . .	821	243.5	248.6	258.4	247.4	239.4	242.5
Colleges and universities . . . . .	822	680.3	692.8	698.5	720.1	751.1	751.5
Correspondence and vocational schools . . . . .	*824	43.5	49.2	48.2	44.6	45.9	44.4
Educational services, nec. . . . .	*823,9	40.5	44.0	48.3	52.3	56.9	54.9
Social services . . . . .	83	519.2	541.3	606.5	662.0	737.2	822.8
Individual and family services . . . . .	*832	73.1	75.9	84.9	96.4	102.8	112.6
Job training and related services. . . . .	*833	71.5	75.1	91.8	84.7	101.8	120.1
Child day care services . . . . .	*835	150.0	159.0	168.7	196.8	216.8	238.9
Residential care . . . . .	*836	107.4	113.4	126.1	141.2	152.9	175.8
Social services, nec . . . . .	*839	117.2	117.9	135.0	142.9	162.9	175.4
Museums, botanical, and zoological gardens . . . . .	*84	20.1	22.2	23.9	24.7	25.7	25.7
Membership organizations . . . . .	86	1,404.1	1,413.1	1,436.5	1,450.6	1,486.2	1,488.5
Business associations . . . . .	*861	62.4	65.8	69.1	74.3	74.7	75.6
Professional organizations . . . . .	*862	24.2	26.0	27.4	27.6	31.8	30.7
Labor organizations. . . . .	*863	118.6	130.0	137.2	138.6	138.9	142.6
Civic and social associations . . . . .	*864	270.9	276.3	284.3	293.2	294.6	296.5
Religious organizations . . . . .	*866	883.6	866.4	866.5	861.0	881.3	882.7
Political and membership org. nec . . . . .	*865,9	44.4	48.6	52.0	55.9	64.9	60.4
Miscellaneous services . . . . .	89	627.0	673.1	715.6	727.3	728.6	771.3
Engineering and architectural services . . . . .	891	325.5	358.3	385.2	380.2	376.4	406.9
Accounting, auditing, and bookkeeping . . . . .	893	208.9	217.8	229.5	240.4	244.3	255.1
Miscellaneous services, nec . . . . .	*892,9	92.6	97.0	100.9	106.7	107.9	109.3
Nonclassifiable establishments. . . . .	*99	35.8	45.8	62.9	80.1	123.0	110.5
Government . . . . .	—	13,421	13,854	14,273	14,888	15,125	15,199
Federal . . . . .	—	2,683	2,656	2,691	2,724	2,724	2,714
Executive . . . . .	—	2,642.9	2,613.8	2,647.1	2,667.8	2,675.4	2,662.8
Defense. . . . .	—	996.3	970.6	953.3	951.3	934.1	918.4
Postal service . . . . .	—	715.1	685.3	702.0	694.6	672.3	652.3
Other executive agencies . . . . .	—	931.5	957.9	991.8	1,031.9	1,069.0	1,092.1

See footnotes at end of table.

**Table 6. Employment Levels<sup>1</sup> by Industry, March 1972–March 1977—Continued**

[All employees in thousands]

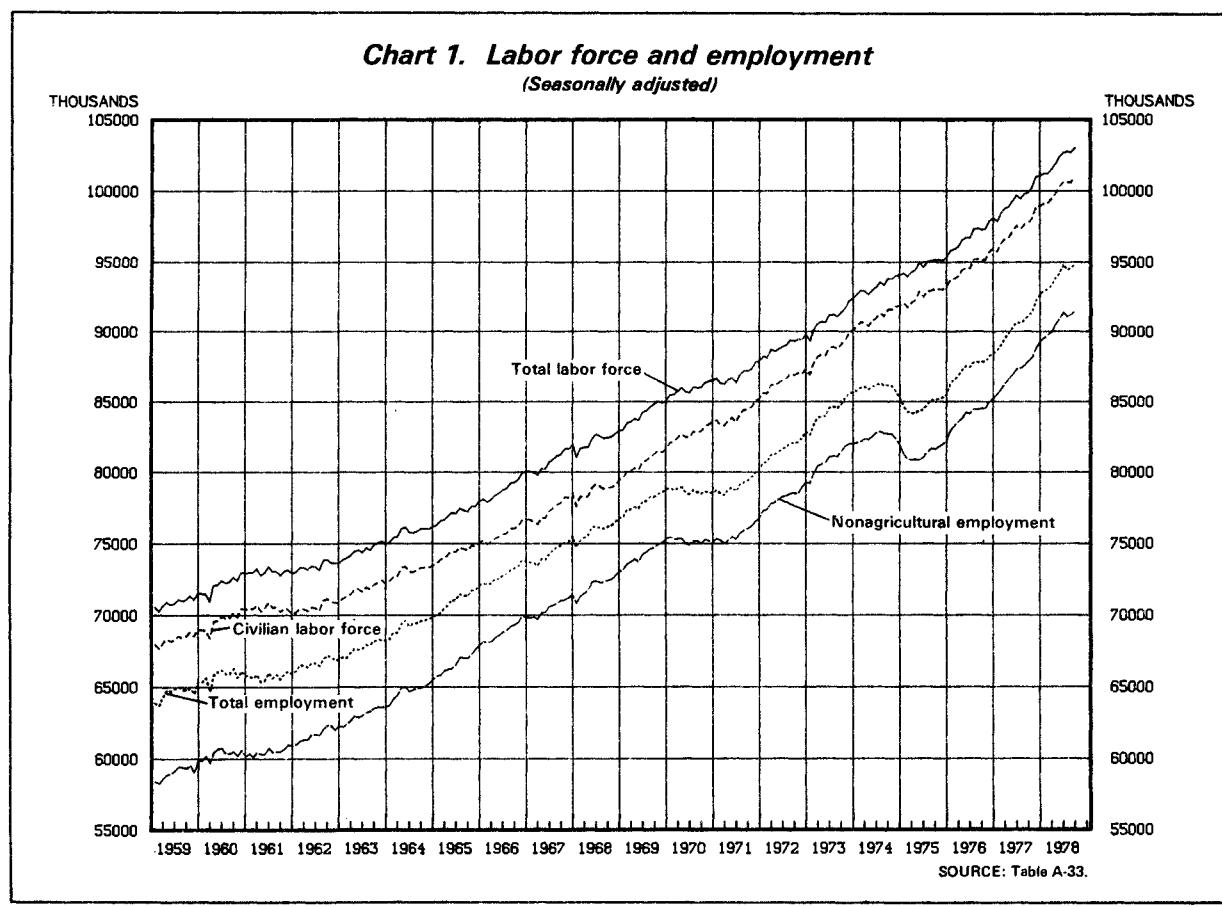
Industry title	1972 SIC Code	March 1972	March 1973	March 1974	March 1975	March 1976	March 1977
Federal—Continued							
Manufacturing activities . . . . .	—	NA	NA	NA	135.7	134.3	139.2
Ammunition and ordnance manufacturing. . . . .	*—	NA	NA	NA	26.5	27.5	28.6
Shipbuilding . . . . .	—	NA	NA	NA	65.9	66.6	69.2
Manufacturing, excluding ammunition, ordnance, and shipbuilding . . . . .	*—	NA	NA	NA	43.3	40.2	41.4
Transportation division . . . . .	—	NA	NA	NA	736.0	717.0	732.9
Trade division . . . . .	*—	NA	NA	NA	86.5	84.0	87.1
Finance division . . . . .	*—	NA	NA	NA	19.5	16.5	17.2
Service division . . . . .	—	NA	NA	NA	344.6	353.8	371.2
Hospital services . . . . .	—	NA	NA	NA	203.4	215.1	227.3
Service division, except hospitals . . . . .	*—	NA	NA	NA	141.2	138.7	143.9
Legislative . . . . .	—	31.7	33.4	34.6	36.5	37.9	39.0
Judicial . . . . .	—	8.2	8.7	9.2	10.1	11.0	12.1
State and local government . . . . .	—	10,737	11,198	11,582	12,163	12,401	12,485
State government . . . . .	—	2,900.2	2,978.3	3,085.7	3,258.9	3,311.9	3,427.2
State education . . . . .	—	1,267.4	1,289.2	1,340.5	1,419.5	1,445.3	1,479.9
Other state government . . . . .	*—	1,632.8	1,689.1	1,745.2	1,839.4	1,866.6	1,947.3
Construction division . . . . .	*—	279.6	280.9	279.8	272.0	257.0	268.1
Transportation division . . . . .	*—	25.3	25.9	26.3	26.7	29.4	30.7
Hospitals . . . . .	—	452.2	470.0	480.8	500.4	513.0	535.2
Social services . . . . .	*—	113.6	124.8	136.9	157.2	157.9	164.7
Services, except hospital, education, and social services. . . . .	*—	68.1	71.7	78.3	85.1	89.3	93.2
All other state government . . . . .	*—	694.0	715.8	743.1	798.0	820.0	855.4
Local government . . . . .	—	7,836.8	8,219.5	8,496.0	8,904.2	9,089.3	9,058.0
Local education . . . . .	—	4,515.5	4,731.1	4,870.7	5,106.3	5,188.0	5,187.7
Other local government . . . . .	*—	3,321.3	3,488.4	3,625.3	3,797.9	3,901.3	3,870.7
Transportation division . . . . .	—	493.7	503.4	522.7	549.9	550.6	546.2
Hospitals . . . . .	—	462.4	475.1	479.5	487.0	484.0	480.2
Social services . . . . .	*—	171.1	176.3	181.5	187.5	188.1	186.6
Services, except hospital, education, and social services. . . . .	*—	98.8	101.8	103.5	111.0	109.7	108.8
All other local government . . . . .	*—	2,095.3	2,231.8	2,338.1	2,462.5	2,568.9	2,548.5

<sup>1</sup>The levels for March 1972 and March 1974 are estimates not universe counts.

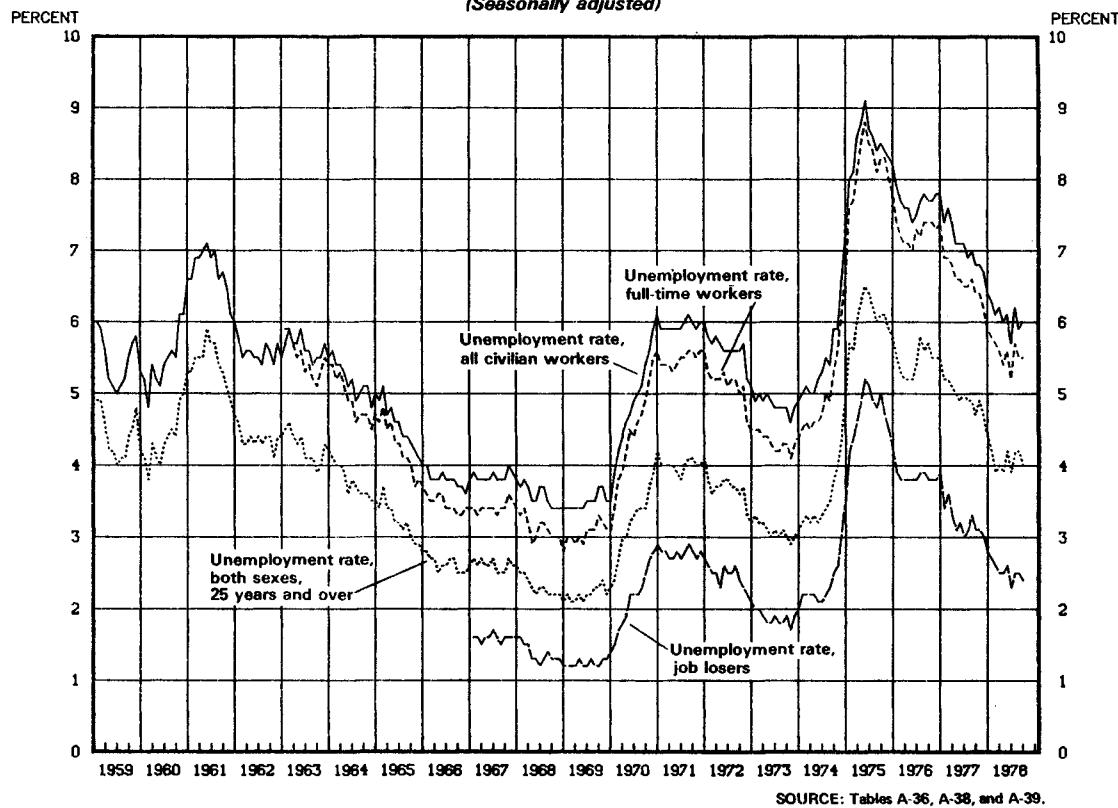
\*The employment of these industries and groups are not published monthly as a regular feature of Employment and Earnings.

## CHARTS

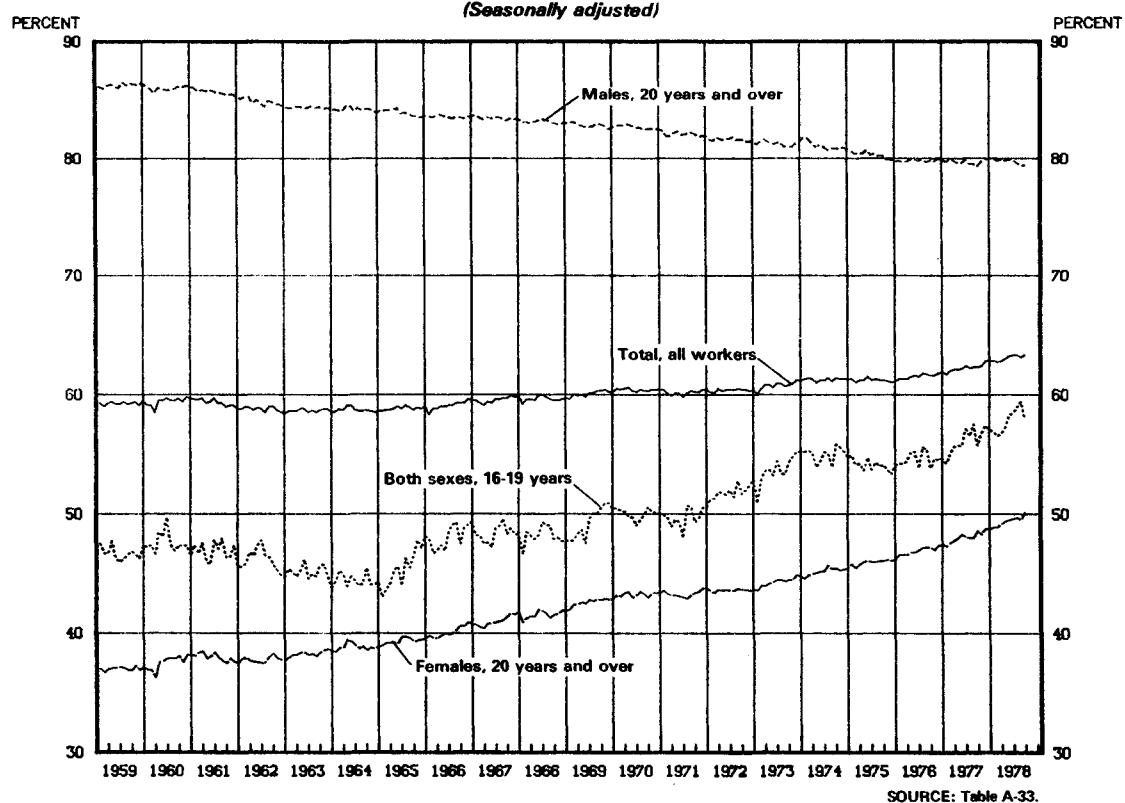
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**Chart 2. Major unemployment indicators**  
(Seasonally adjusted)

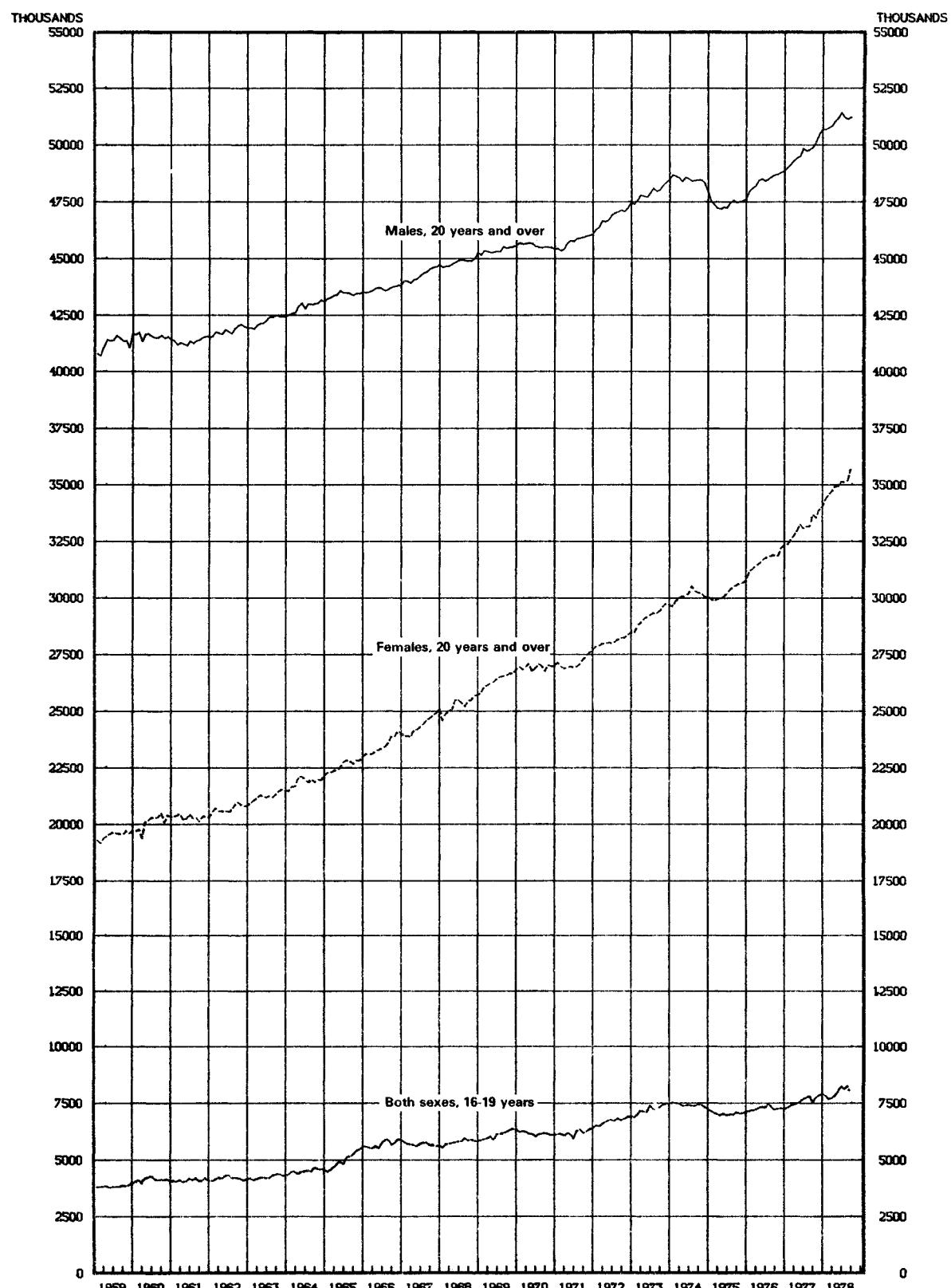


**Chart 3. Civilian labor force participation rates by sex and age**  
(Seasonally adjusted)



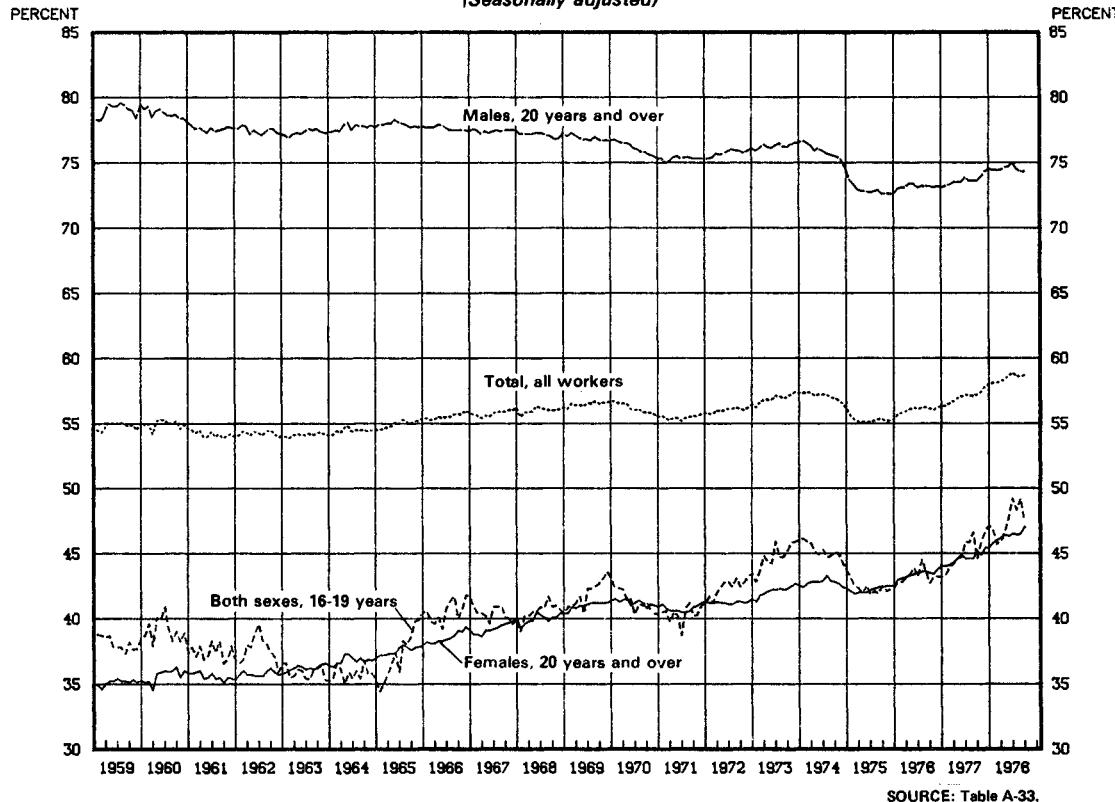
**Chart 4. Total employment by sex and age**

(Seasonally adjusted)

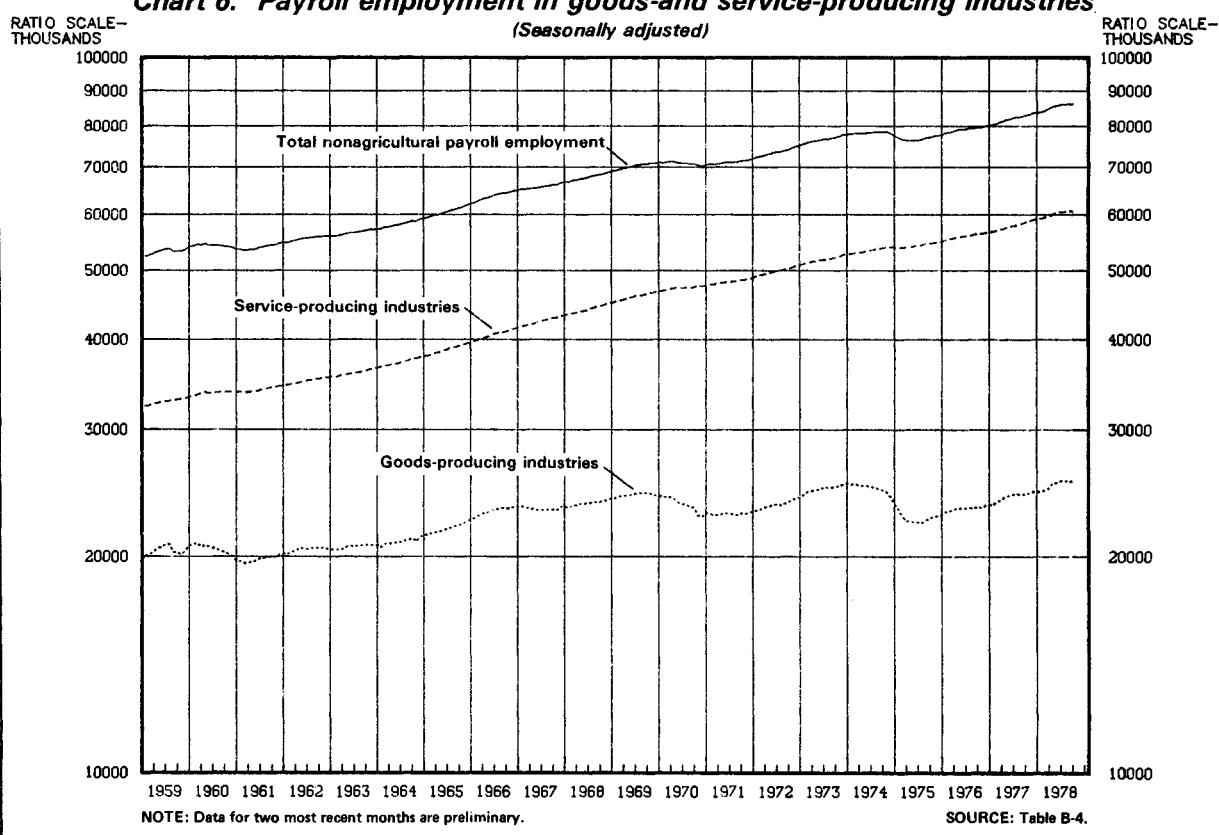


SOURCE: Table A-33.

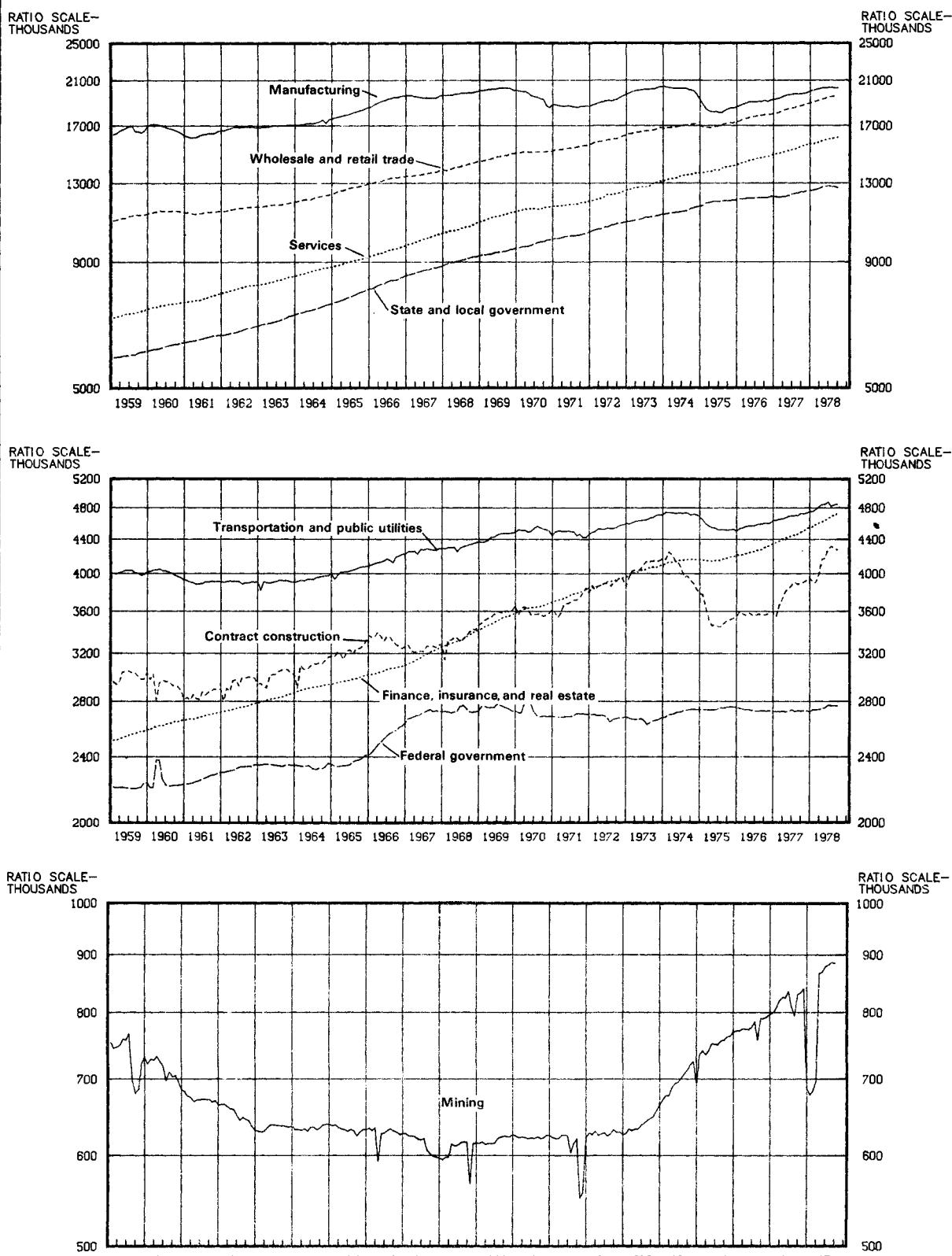
**Chart 5. Employment—population ratios by sex and age**  
(Seasonally adjusted)



**Chart 6. Payroll employment in goods-and service-producing industries**  
(Seasonally adjusted)



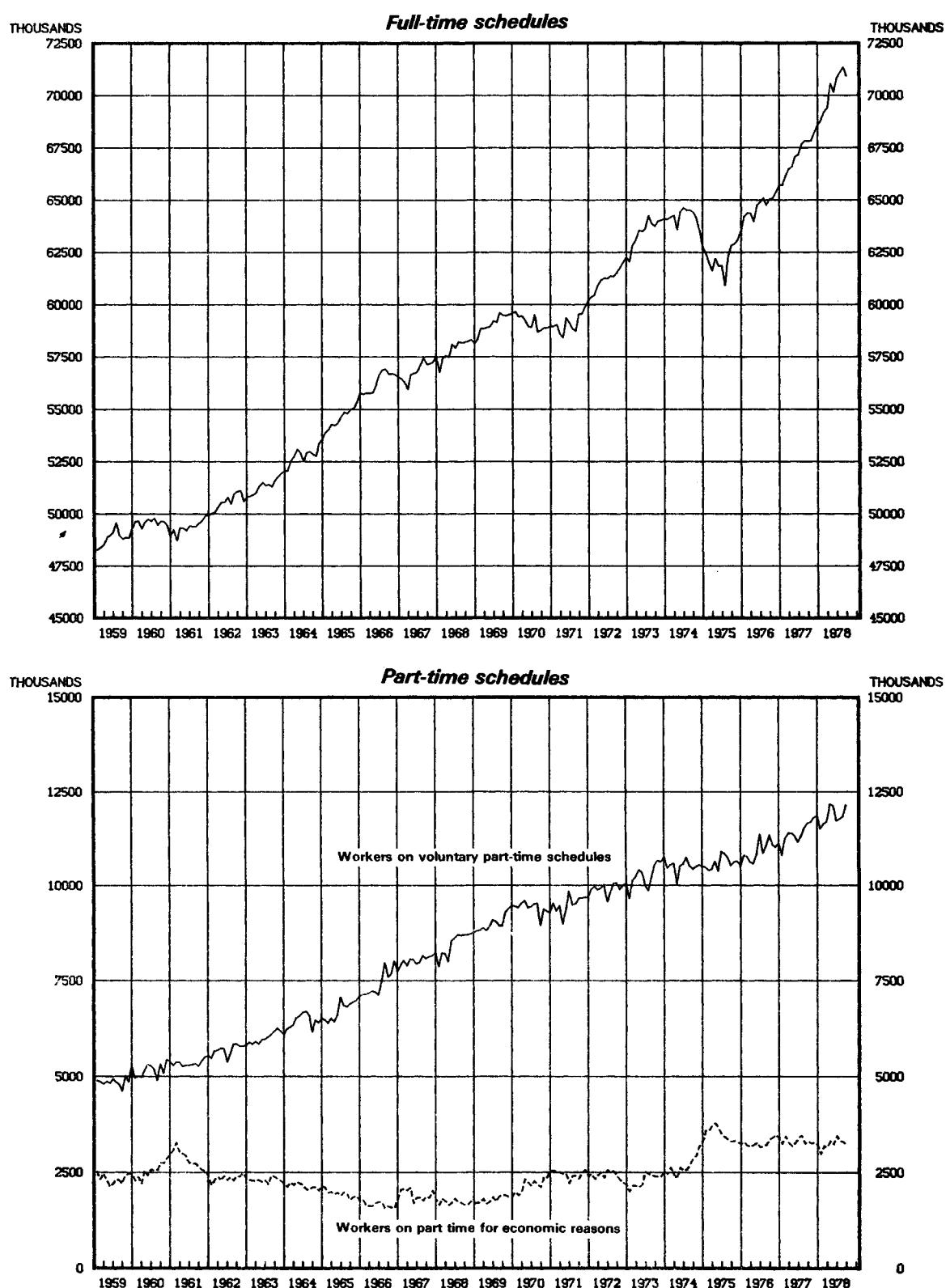
**Chart 7. Nonagricultural payroll employment by industry**  
 (Seasonally adjusted)



NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-4.

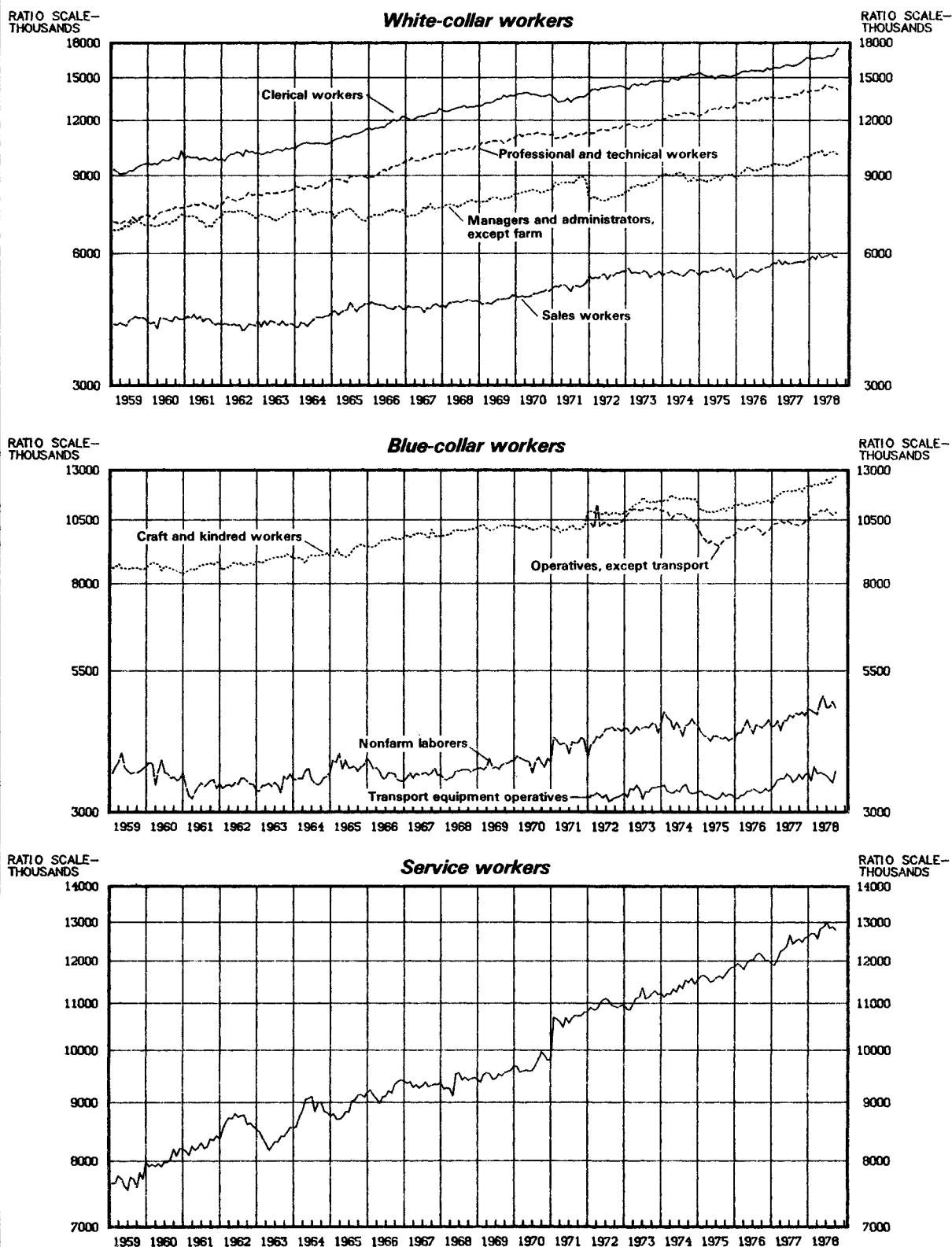
**Chart 8. Persons at work full and part time in nonagricultural industries**  
 (Seasonally adjusted)



SOURCE: Table A-42.

### Chart 9. Employment in nonfarm occupations

(Seasonally adjusted)

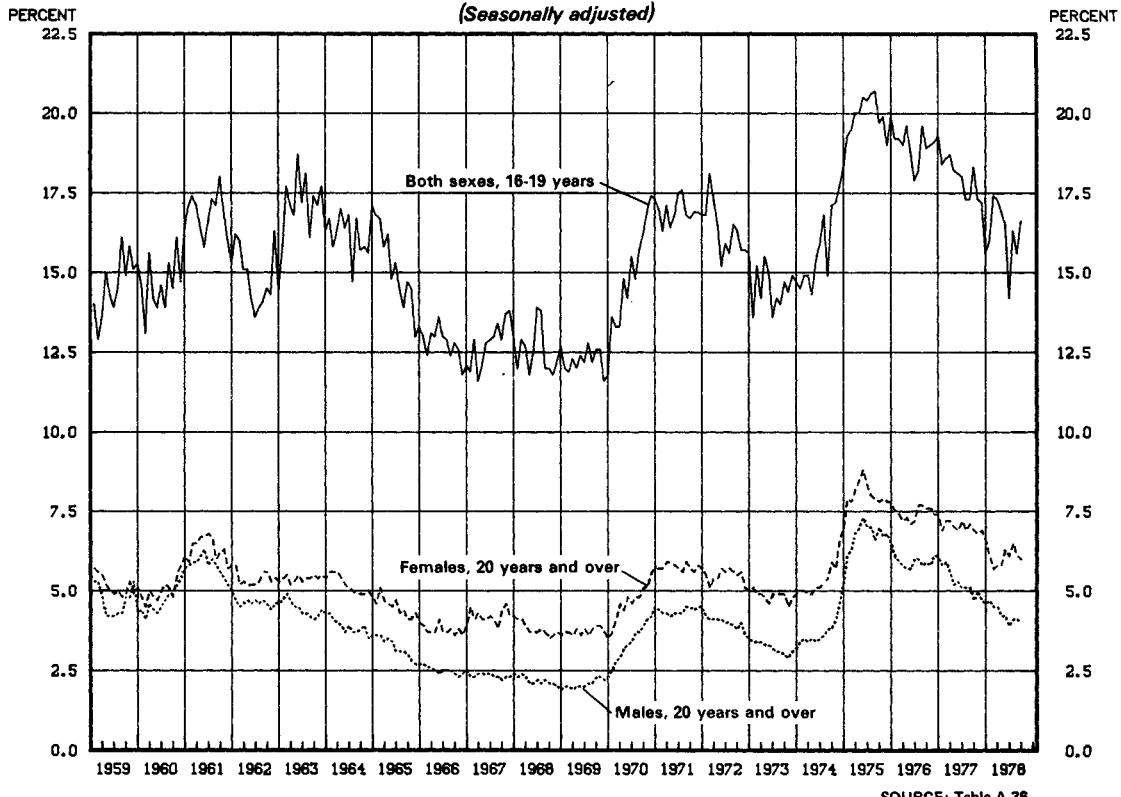


NOTE: Two breaks in series occurred in 1971 stemming from the reclassification of occupations introduced in January and from a questionnaire change concerning "major activity" introduced in December. See "Changes in occupational classification system" in the Explanatory Notes.

SOURCE: Table A-42.

### Chart 10. Unemployment rates by sex and age

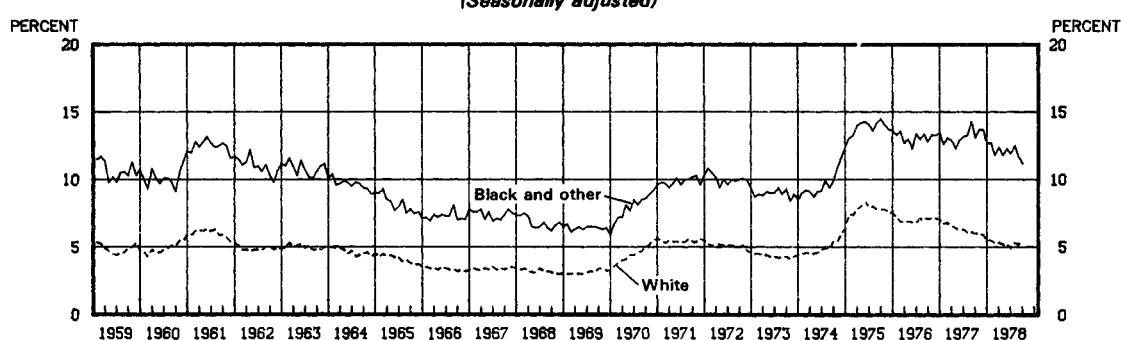
(Seasonally adjusted)



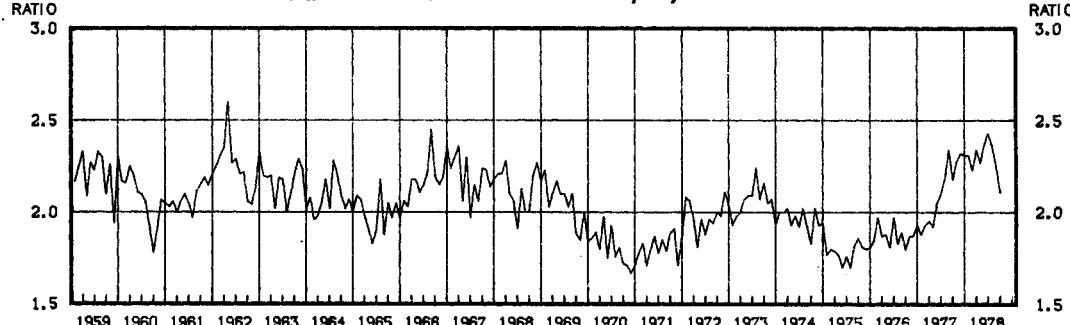
SOURCE: Table A-36.

### Chart 11. Unemployment rates by race

(Seasonally adjusted)

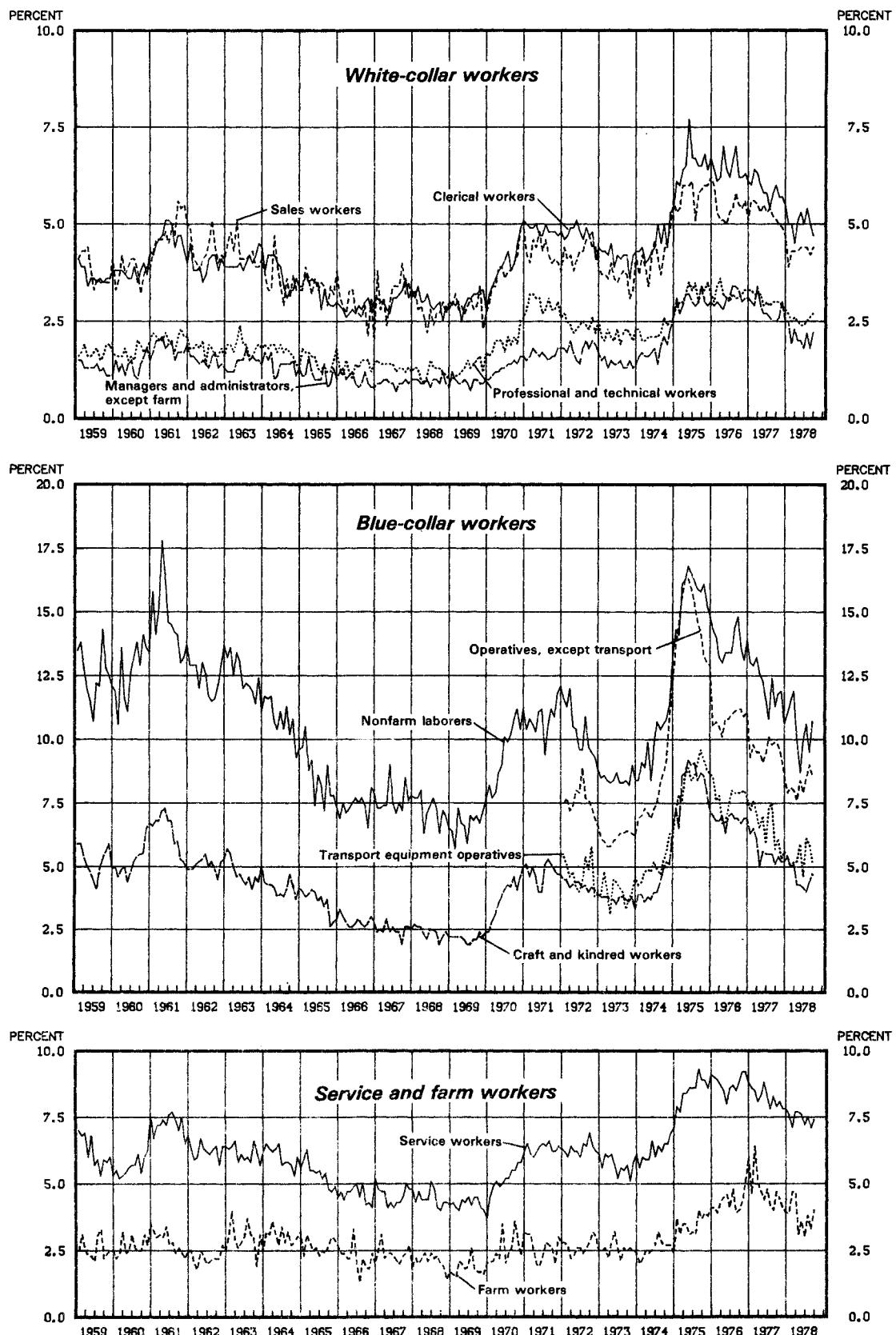


### Ratio of black-to-white unemployment rate



SOURCE: Table A-35.

**Chart 12. Unemployment rates by major occupational groups**  
 (Seasonally adjusted)

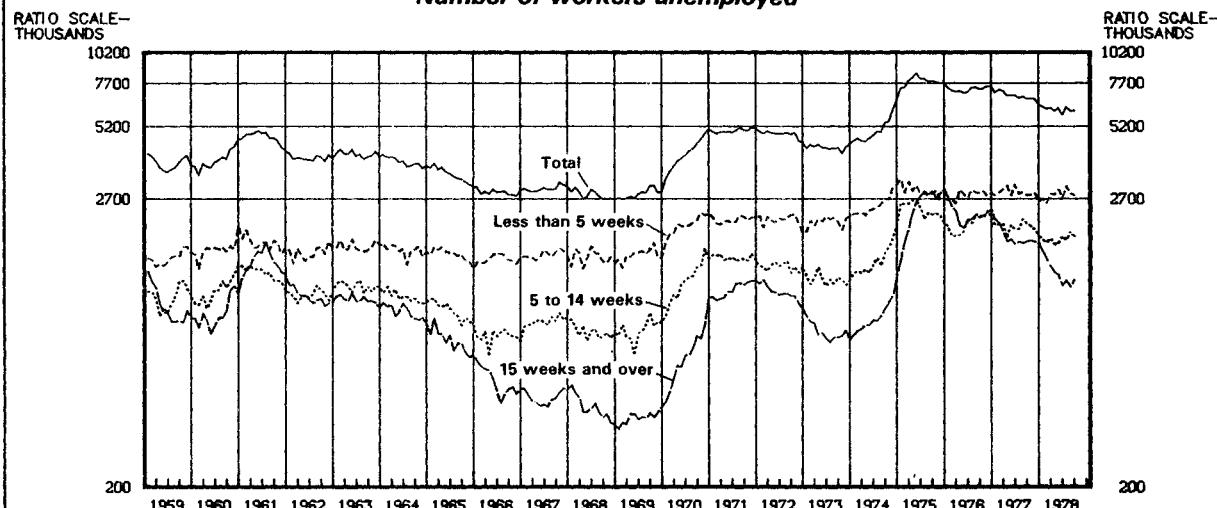


SOURCE: Table A-36.

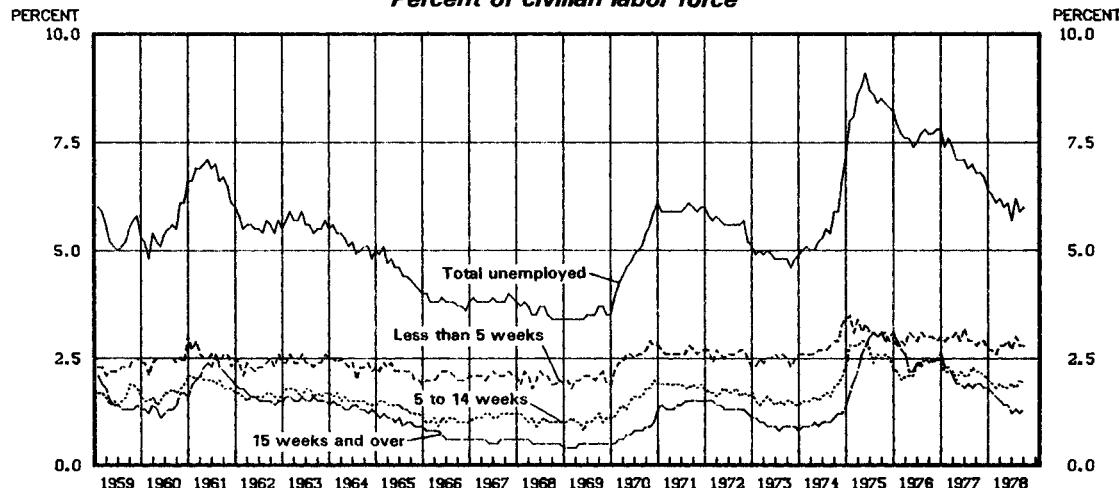
### Chart 13. Duration of unemployment

(Seasonally adjusted)

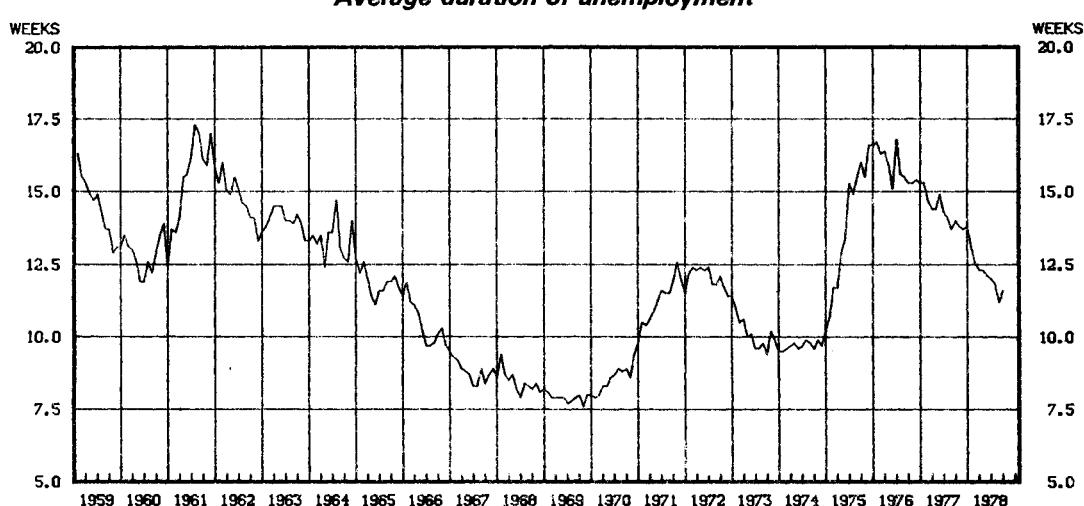
#### Number of workers unemployed



#### Percent of civilian labor force

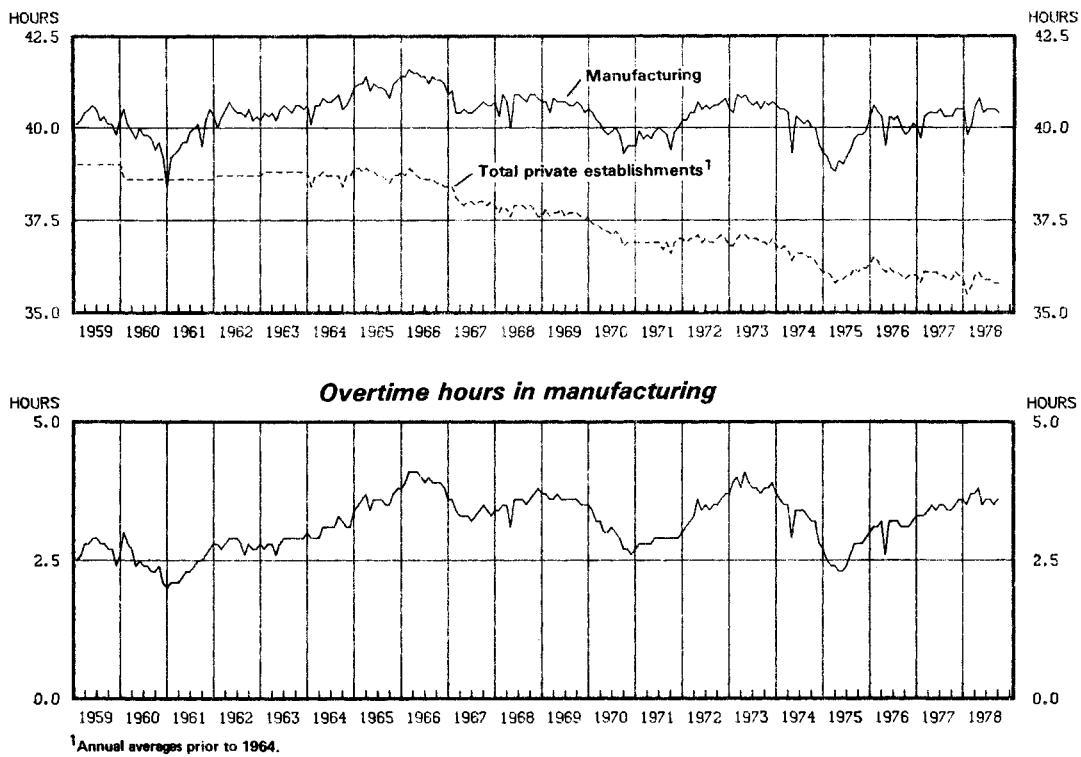


#### Average duration of unemployment



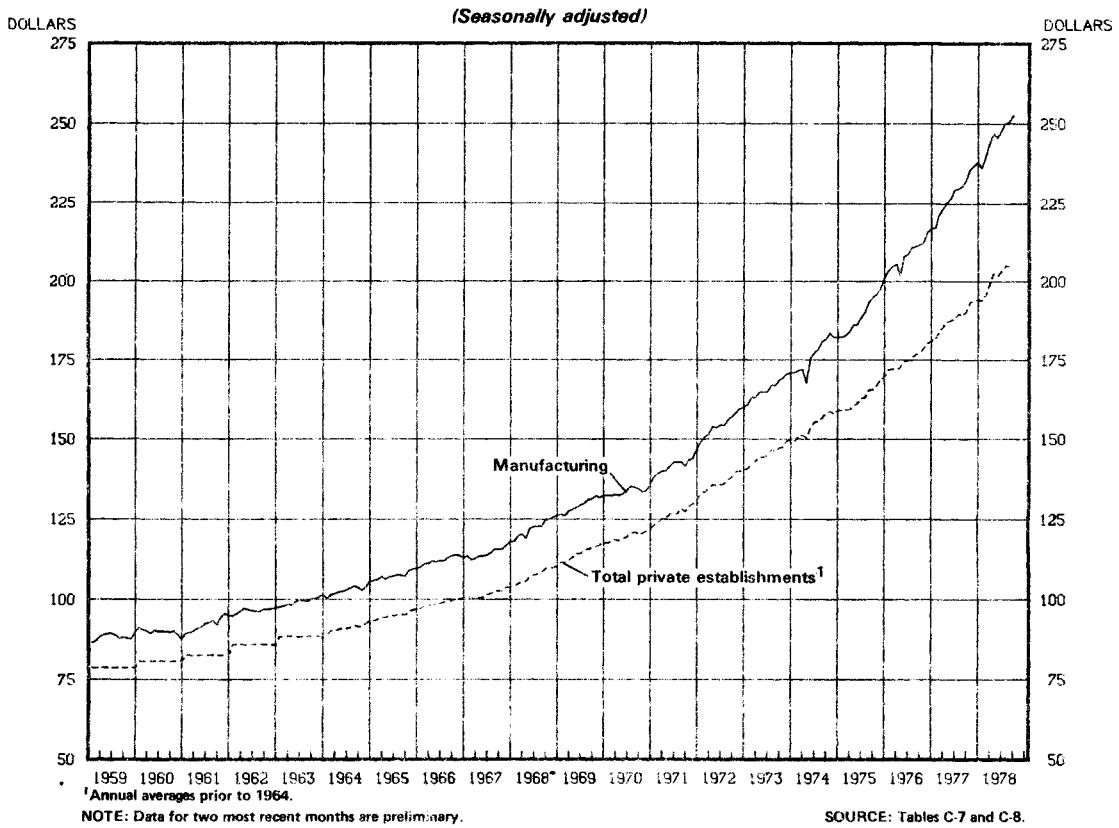
SOURCE: Table A-37.

**Chart 14. Average weekly hours in nonagricultural industries**  
 (Seasonally adjusted)



SOURCE: Table C-7.

**Chart 15. Average weekly earnings in nonagricultural industries**  
 (Seasonally adjusted)

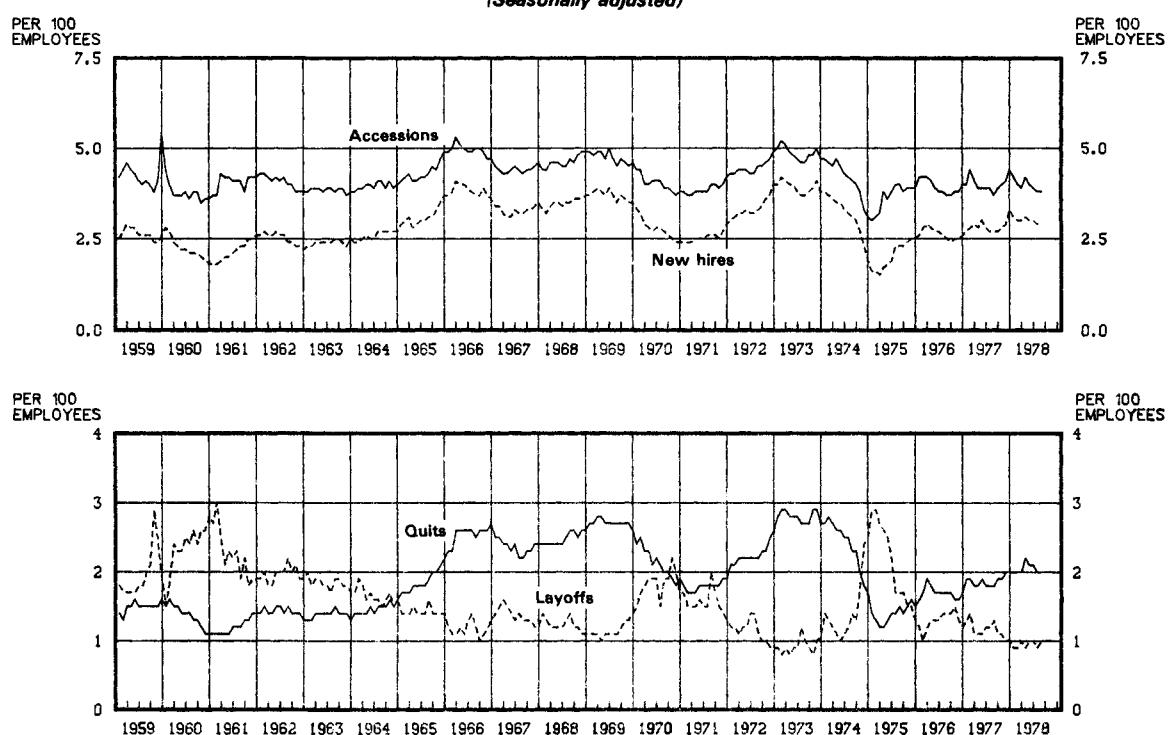


SOURCE: Tables C-7 and C-8.

**Chart 16. Total private gross and spendable weekly earnings**  
*(Seasonally adjusted)*

DATA WILL APPEAR IN THE  
NOVEMBER ISSUE

**Chart 17. Labor turnover rates in manufacturing**  
*(Seasonally adjusted)*



NOTE: Data for current month are preliminary.

SOURCE: Table D-3.

HOUSEHOLD DATA  
HISTORICAL

**A-1. Employment status of the noninstitutional population 16 years and over, 1947 to date**

[Numbers in thousands]

Year and month	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force	
				Total	Employed			Unemployed			
		Number	Percent of population		Total	Agriculture	Nonagricultural industries	Number	Percent of labor force		
<b>TOTAL</b>											
1947.....	103,418	60,941	58.9	59,350	57,038	7,890	49,148	2,311	3.9	42,477	
1948.....	104,527	62,080	59.4	60,621	58,343	7,629	50,714	2,276	3.8	42,447	
1949.....	105,611	62,903	59.6	61,286	57,651	7,658	49,993	3,637	5.9	42,708	
1950.....	106,645	63,858	59.9	62,208	58,918	7,160	51,758	3,288	5.3	42,787	
1951.....	107,721	65,117	60.4	62,017	59,961	6,726	53,235	2,055	3.3	42,604	
1952 <sup>1</sup> .....	108,823	65,730	60.4	62,138	60,250	6,500	53,749	1,883	3.0	43,093	
1953.....	110,601	66,560	60.2	63,015	61,179	6,260	54,919	1,834	2.9	44,041	
1954.....	111,671	66,993	60.0	63,643	60,109	6,205	53,904	3,532	5.5	44,678	
1955.....	112,732	68,072	60.4	65,023	62,170	6,450	55,722	2,852	4.4	44,660	
1956.....	113,811	69,409	61.0	66,552	63,799	6,283	57,514	2,750	4.1	44,402	
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	45,336	
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	46,088	
1959 <sup>1</sup> .....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	46,960	
1960 <sup>1</sup> .....	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	47,617	
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	48,312	
1962 <sup>1</sup> .....	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539	
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	50,583	
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	51,394	
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	52,058	
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288	
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	52,527	
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291	
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602	
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	54,280	
1971.....	142,596	86,929	61.0	84,113	79,120	3,387	75,732	4,993	5.9	55,666	
1972 <sup>1</sup> .....	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785	
1973 <sup>1</sup> .....	148,263	91,040	61.4	88,714	84,409	3,452	80,957	4,304	4.9	57,222	
1974.....	150,827	93,240	61.8	91,011	85,935	3,492	82,443	5,076	5.6	57,587	
1975.....	153,449	94,793	61.8	92,613	84,783	3,380	81,403	7,830	8.5	58,655	
1976.....	156,048	96,917	62.1	94,773	87,485	3,297	84,188	7,288	7.7	59,130	
1977.....	158,559	99,534	62.8	97,401	90,546	3,244	87,302	6,855	7.0	59,025	
<b>Monthly data, seasonally adjusted<sup>2</sup></b>											
1977:											
September.....	159,114	99,887	62.8	97,756	91,088	3,199	87,889	6,668	6.8	59,226	
October.....	159,334	100,205	62.9	98,071	91,383	3,243	88,140	6,688	6.8	59,130	
November.....	159,522	101,009	63.3	98,877	92,214	3,357	88,857	6,663	6.7	58,512	
December.....	159,736	101,048	63.3	98,919	92,609	3,323	89,286	6,310	6.4	58,689	
1978:											
January <sup>1</sup> .....	159,937	101,228	63.3	99,107	92,881	3,354	89,527	6,226	6.3	58,709	
February.....	160,128	101,217	63.2	99,093	93,003	3,242	89,761	6,090	6.1	58,911	
March.....	160,313	101,536	63.3	99,414	93,266	3,310	89,956	6,148	6.2	58,776	
April.....	160,504	101,902	63.5	99,784	93,801	3,275	90,526	5,983	6.0	58,602	
May.....	160,713	102,374	63.7	100,261	94,112	3,235	90,877	6,149	6.1	58,340	
June.....	160,928	102,671	63.8	100,573	94,819	3,473	91,346	5,754	5.7	58,257	
July.....	161,148	102,734	63.8	100,618	94,425	3,387	91,038	6,193	6.2	58,414	
August.....	161,348	102,671	63.6	100,549	94,581	3,360	91,221	5,968	5.9	58,677	
September.....	161,570	102,993	63.7	100,870	94,868	3,411	91,457	6,002	6.0	58,577	

<sup>1</sup> Not strictly comparable with data for prior years. For an explanation, see "Historic Comparability" under the Household Data section of the Explanatory Notes.

<sup>2</sup> Because seasonality, by definition, does not exist in population figures, data for "total noninstitutional population" are not seasonally adjusted.

**HOUSEHOLD DATA**  
**HISTORICAL**

**A-2. Employment status of the noninstitutional population 16 years and over by sex, 1967 to date**

[Numbers in thousands]

Year, month, and sex	Total noninsti- tutional popula- tion	Total labor force		Civilian labor force					Not in labor force	
		Number	Percent of popula- tion	Total	Employed		Unemployed			
					Total	Agricul- ture	Nonagri- cultural indus- tries	Number		
<b>MALES</b>										
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,855	1,403	2.8	12,677
1970.....	67,409	54,343	80.6	51,195	48,960	2,861	46,099	2,235	4.4	13,066
1971.....	68,512	54,797	80.0	52,021	49,245	2,790	46,455	2,776	5.3	13,715
1972 <sup>1</sup> .....	69,864	55,671	79.7	53,265	50,630	2,839	47,791	2,635	4.9	14,193
1973 <sup>1</sup> .....	71,020	56,479	79.5	54,203	51,963	2,833	49,130	2,240	4.1	14,541
1974.....	72,253	57,349	79.4	55,186	52,518	2,900	49,618	2,668	4.8	14,904
1975.....	73,494	57,706	78.5	55,615	51,230	2,801	48,429	4,385	7.9	15,788
1976.....	74,739	58,397	78.1	56,359	52,391	2,716	49,675	3,968	7.0	16,341
1977.....	75,981	59,467	78.3	57,449	53,861	2,639	51,222	3,588	6.2	16,514
Annual averages										
1977:										
September.....	76,246	59,332	77.8	57,318	53,964	2,630	51,334	3,354	5.9	16,915
October.....	76,352	59,826	78.4	57,810	54,341	2,642	51,699	3,469	6.0	16,526
November.....	76,439	60,112	78.6	58,097	54,745	2,685	52,060	3,352	5.8	16,327
December.....	76,541	60,236	78.7	58,225	55,012	2,702	52,310	3,213	5.5	16,305
1978:										
January <sup>1</sup> .....	76,636	60,210	77.4	58,207	54,975	2,749	52,226	3,232	5.6	16,426
February.....	76,725	60,149	78.4	58,142	54,897	2,566	52,331	3,245	5.6	16,577
March.....	76,811	60,285	78.5	58,284	55,013	2,613	52,400	3,271	5.6	16,526
April.....	76,901	60,261	78.4	58,264	55,208	2,576	52,632	3,056	5.2	16,640
May.....	77,000	60,439	78.5	58,447	55,446	2,638	52,808	3,001	5.1	16,561
June.....	77,102	60,570	78.6	58,597	55,869	2,778	53,091	2,728	4.7	16,531
July.....	77,206	60,489	78.3	58,499	55,534	2,736	52,798	2,965	5.1	16,718
August.....	77,301	60,448	78.2	58,455	55,529	2,705	52,824	2,926	5.0	16,854
September.....	77,407	60,458	78.1	58,465	55,504	2,752	52,752	2,961	5.1	16,949
<b>FEMALES</b>										
1967.....	69,003	28,395	41.2	28,360	26,893	680	26,212	1,468	5.2	40,608
1968.....	70,217	29,242	41.6	29,204	27,807	660	27,147	1,397	4.8	40,976
1969.....	71,476	30,551	42.7	30,513	29,084	643	28,441	1,429	4.7	40,924
1970.....	72,774	31,560	43.4	31,520	29,667	601	29,066	1,853	5.9	41,214
1971.....	74,084	32,132	43.4	32,091	29,875	598	29,277	2,217	6.9	41,952
1972 <sup>1</sup> .....	75,911	33,320	43.9	33,277	31,072	633	30,439	2,205	6.6	42,591
1973 <sup>1</sup> .....	77,242	34,561	44.7	34,510	32,446	619	31,827	2,064	6.0	42,681
1974.....	78,575	35,892	45.7	35,825	33,417	592	32,825	2,408	6.7	42,683
1975.....	79,954	37,087	46.4	36,998	33,553	579	32,973	3,445	9.3	42,868
1976.....	81,309	38,520	47.4	38,414	35,095	582	34,513	3,320	8.6	42,789
1977.....	82,577	40,067	48.5	39,952	36,685	605	36,080	3,267	8.2	42,510
Annual averages										
1977:										
September.....	82,868	40,556	48.9	40,438	37,124	569	36,555	3,314	8.2	42,312
October.....	82,983	40,379	48.7	40,261	37,042	601	36,441	3,219	8.0	42,604
November.....	83,082	40,898	49.2	40,780	37,469	672	36,797	3,311	8.1	42,185
December.....	83,195	40,812	49.1	40,694	37,597	621	36,976	3,097	7.6	42,385
1978:										
January <sup>1</sup> .....	83,301	41,017	48.6	40,900	37,906	605	37,301	2,994	7.3	42,284
February.....	83,403	41,068	49.2	40,951	38,106	676	37,430	2,845	6.9	42,335
March.....	83,501	41,252	49.4	41,130	38,253	697	37,556	2,877	7.0	42,250
April.....	83,603	41,641	49.8	41,520	38,593	699	37,894	2,927	7.0	41,962
May.....	83,714	41,935	50.1	41,814	38,666	597	38,069	3,148	7.5	41,779
June.....	83,826	42,101	50.2	41,976	38,950	695	38,255	3,026	7.2	41,725
July.....	83,941	42,245	50.3	42,119	38,891	651	38,240	3,228	7.7	41,696
August.....	84,047	42,224	50.2	42,094	39,052	655	38,397	3,042	7.2	41,824
September.....	84,162	42,535	50.5	42,405	39,364	659	38,705	3,041	7.2	41,628
Monthly data, seasonally adjusted <sup>2</sup>										

<sup>1</sup> See footnote 1, table A-1.

<sup>2</sup> See footnote 2, table A-1.

**HOUSEHOLD DATA**

**A-3. Employment status of the noninstitutional population by sex, age, and race**

[Numbers in thousands]

Sex, age, and race	September 1978										
	Total labor force		Civilian labor force			Not in labor force					
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>MALES</b>											
16 years and over .....	60,369	78.0	58,376	55,788	2,588	4.4	17,038	354	4,364	1,726	10,594
16 to 21 years .....	8,586	67.3	7,913	6,895	1,018	12.9	4,177	13	3,637	27	500
16 to 19 years .....	5,085	60.0	4,792	4,079	713	14.9	3,386	11	3,018	10	347
16 to 17 years .....	2,045	48.4	2,022	1,656	366	18.1	2,182	3	2,004	6	169
18 to 19 years .....	3,040	71.6	2,770	2,423	346	12.5	1,204	8	1,014	4	178
20 to 64 years .....	53,336	89.16	51,636	49,834	1,802	3.5	6,168	138	1,345	1,249	3,437
20 to 24 years .....	8,742	86.1	7,985	7,360	626	7.8	1,413	14	1,029	49	322
25 to 54 years .....	37,496	94.5	36,554	35,535	1,019	2.8	2,183	78	312	676	1,117
25 to 29 years .....	8,474	95.3	8,103	7,764	339	4.2	414	2	203	44	166
30 to 34 years .....	7,555	96.4	7,308	7,127	181	2.5	286	16	70	78	122
35 to 39 years .....	6,130	96.3	5,936	5,810	125	2.1	236	5	15	84	131
40 to 44 years .....	5,213	95.1	5,123	5,011	112	2.2	266	13	12	95	145
45 to 49 years .....	5,079	92.8	5,047	4,906	141	2.8	396	23	8	141	224
50 to 54 years .....	5,044	89.6	5,037	4,917	120	2.4	586	19	4	234	329
55 to 64 years .....	7,098	73.4	7,096	6,939	158	2.2	2,572	46	4	524	1,999
55 to 59 years .....	4,386	82.6	4,385	4,283	102	2.3	923	31	2	273	617
60 to 64 years .....	2,712	62.2	2,712	2,656	56	2.1	1,649	15	2	251	1,381
65 years and over .....	1,948	20.7	1,948	1,875	73	3.7	7,484	205	1	468	6,810
65 to 69 years .....	1,160	31.1	1,160	1,108	52	4.5	2,575	61	--	165	2,349
70 years and over .....	788	13.8	788	767	21	2.6	4,909	144	1	303	4,461
<b>White</b>											
16 years and over .....	53,736	78.7	52,135	50,113	2,022	3.9	14,524	286	3,466	1,383	9,389
16 to 21 years .....	7,603	70.0	7,073	6,303	770	10.9	3,261	12	2,871	14	364
16 to 19 years .....	4,562	63.5	4,331	3,775	556	12.8	2,623	10	2,347	7	260
16 to 17 years .....	1,885	52.8	1,866	1,556	310	16.6	1,685	3	1,541	5	135
18 to 19 years .....	2,678	74.0	2,465	2,219	246	10.0	939	7	806	1	124
20 to 64 years .....	47,431	90.2	46,061	44,655	1,407	3.1	5,147	119	1,118	996	2,913
20 to 24 years .....	7,633	87.2	7,042	6,588	454	6.4	1,117	9	850	32	225
25 to 54 years .....	33,340	95.1	32,563	31,750	813	2.5	1,736	67	264	525	879
25 to 34 years .....	14,163	96.2	13,660	13,265	395	2.9	552	12	231	96	213
35 to 44 years .....	10,098	96.3	9,858	9,647	210	2.1	385	17	20	140	208
45 to 54 years .....	9,080	91.9	9,045	8,837	208	2.3	799	39	13	289	459
55 to 64 years .....	6,457	73.8	6,456	6,316	140	2.2	2,294	42	4	439	1,809
55 to 59 years .....	3,987	83.3	3,985	3,896	89	2.2	800	28	2	229	542
60 to 64 years .....	2,471	62.3	2,471	2,420	50	2.0	1,494	14	2	211	1,267
65 years and over .....	1,743	20.5	1,743	1,683	59	3.4	6,754	157	1	380	6,217
<b>Black and other</b>											
16 years and over .....	6,633	72.5	6,241	5,675	566	9.1	2,514	68	898	343	1,205
16 to 21 years .....	983	51.8	840	592	248	29.6	916	1	766	13	137
16 to 19 years .....	523	40.7	461	304	157	34.0	762	1	671	3	87
16 to 17 years .....	160	24.4	156	100	57	36.1	497	--	463	1	33
18 to 19 years .....	363	57.7	304	204	100	32.9	265	1	208	2	54
20 to 64 years .....	5,906	85.3	5,575	5,179	396	7.1	1,021	19	226	252	524
20 to 24 years .....	1,109	78.9	943	771	172	18.2	296	5	179	17	96
25 to 54 years .....	4,156	90.3	3,992	3,785	206	5.2	447	10	48	150	238
25 to 34 years .....	1,867	92.7	1,751	1,626	126	7.2	147	5	41	25	75
35 to 44 years .....	1,246	91.4	1,201	1,174	27	2.2	117	2	7	39	68
45 to 54 years .....	1,044	85.1	1,040	986	54	5.2	183	3	--	86	94
55 to 64 years .....	641	69.7	640	622	18	2.8	278	4	--	84	190
55 to 59 years .....	399	76.4	399	387	12	3.1	123	3	--	45	75
60 to 64 years .....	241	60.9	241	235	6	2.4	155	1	--	40	114
65 years and over .....	205	22.0	205	192	13	6.6	730	48	--	88	594

## HOUSEHOLD DATA

### A-3. Employment status of the noninstitutional population by sex, age, and race—Continued

[Numbers in thousands]

Sex, age, and race	September 1978													
	Total labor force		Civilian labor force			Not in labor force								
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work				
Sex, age, and race					Number	Percent of labor force								
<b>FEMALES</b>														
16 years and over .....	42,591	50.6	42,462	39,253	3,209	7.6	41,571	32,226	4,124	1,020	4,201			
16 to 21 years .....	7,179	57.4	7,128	5,976	1,152	16.2	5,322	1,374	3,511	12	426			
16 to 19 years .....	4,344	52.4	4,323	3,524	799	18.5	3,945	676	2,947	8	315			
16 to 17 years .....	1,800	44.0	1,799	1,447	351	19.5	2,293	175	1,991	3	123			
18 to 19 years .....	2,544	60.6	2,525	2,077	448	17.7	1,653	500	956	5	192			
20 to 64 years .....	37,141	59.5	37,032	34,668	2,365	6.4	25,267	21,834	1,170	420	1,843			
20 to 24 years .....	7,063	69.6	6,995	6,254	741	10.6	3,079	2,038	788	16	237			
25 to 54 years .....	25,562	61.7	25,521	24,058	1,463	5.7	15,892	14,391	374	230	899			
25 to 29 years .....	5,899	65.1	5,871	5,460	411	7.0	3,162	2,813	148	27	174			
30 to 34 years .....	4,944	61.5	4,937	4,557	380	7.7	3,101	2,860	94	24	123			
35 to 39 years .....	4,165	62.2	4,162	3,926	236	5.7	2,533	2,325	61	37	110			
40 to 44 years .....	3,654	63.1	3,653	3,476	176	4.8	2,141	1,978	30	26	108			
45 to 49 years .....	3,533	61.2	3,533	3,384	148	4.2	2,244	2,031	22	60	132			
50 to 54 years .....	3,367	55.4	3,366	3,255	111	3.3	2,711	2,385	18	57	252			
55 to 64 years .....	4,517	41.8	4,517	4,356	161	3.6	6,295	5,406	9	174	706			
55 to 59 years .....	2,851	48.8	2,851	2,758	93	3.3	2,987	2,575	6	79	326			
60 to 64 years .....	1,665	33.5	1,665	1,598	67	4.0	3,309	2,830	2	95	381			
65 years and over .....	1,106	8.2	1,106	1,060	45	4.1	12,359	9,716	8	592	2,043			
65 to 69 years .....	712	15.1	712	683	29	4.1	3,992	3,281	1	116	594			
70 years and over .....	394	4.5	394	378	16	4.1	8,367	6,435	7	476	1,449			
<b>White</b>														
16 years and over .....	36,771	50.1	36,668	34,212	2,456	6.7	36,662	28,988	3,296	793	3,586			
16 to 21 years .....	6,311	59.8	6,269	5,408	861	13.7	4,239	1,133	2,811	12	283			
16 to 19 years .....	3,872	55.5	3,855	3,242	613	15.9	3,108	562	2,339	8	200			
16 to 17 years .....	1,632	47.5	1,631	1,358	273	16.8	1,805	151	1,571	3	79			
18 to 19 years .....	2,240	63.2	2,224	1,884	340	15.3	1,303	411	767	5	120			
20 to 64 years .....	31,940	58.9	31,854	30,048	1,806	5.7	22,301	19,477	951	306	1,569			
20 to 24 years .....	6,064	70.5	6,011	5,505	506	8.4	2,536	1,697	647	14	178			
25 to 54 years .....	21,831	60.8	21,799	20,642	1,156	5.3	14,085	12,855	295	169	766			
25 to 34 years .....	9,144	62.3	9,116	8,513	603	6.6	5,545	5,069	194	36	247			
35 to 44 years .....	6,658	61.6	6,655	6,315	340	5.1	4,148	3,838	75	46	188			
45 to 54 years .....	6,029	57.9	6,028	5,815	213	3.5	4,392	3,948	26	87	330			
55 to 64 years .....	4,045	41.6	4,045	3,901	144	3.6	5,681	4,925	9	123	625			
55 to 59 years .....	2,555	48.8	2,555	2,471	84	3.3	2,677	2,334	6	57	280			
60 to 64 years .....	1,490	33.2	1,490	1,430	60	4.0	3,005	2,591	3	66	345			
65 years and over .....	959	7.9	959	922	37	3.9	11,253	8,949	6	479	1,818			
<b>Black and other</b>														
16 years and over .....	5,821	54.3	5,794	5,041	752	13.0	4,909	3,238	829	227	615			
16 to 21 years .....	869	44.5	859	568	291	33.8	1,083	241	700	--	143			
16 to 19 years .....	472	36.1	469	283	186	39.7	838	114	608	--	115			
16 to 17 years .....	168	25.6	168	90	78	46.5	488	24	420	--	44			
18 to 19 years .....	304	46.5	300	193	108	35.9	349	90	188	--	71			
20 to 64 years .....	5,201	63.7	5,178	4,621	559	10.8	2,965	2,357	219	114	274			
20 to 24 years .....	999	64.8	985	750	235	23.9	543	341	141	2	59			
25 to 54 years .....	3,731	67.4	3,723	3,415	307	8.2	1,807	1,536	78	61	134			
25 to 34 years .....	1,700	70.3	1,691	1,504	188	11.1	718	604	48	15	51			
35 to 44 years .....	1,160	68.8	1,160	1,087	72	6.2	526	464	17	16	30			
45 to 54 years .....	871	60.8	871	825	47	5.4	563	468	13	29	53			
55 to 64 years .....	471	43.4	471	455	16	3.5	614	481	--	52	81			
55 to 59 years .....	296	48.9	296	287	9	3.1	310	241	1	22	45			
60 to 64 years .....	175	36.6	175	168	7	4.1	304	240	--	29	36			
65 years and over .....	147	11.7	147	138	8	5.7	1,106	767	2	113	225			

## HOUSEHOLD DATA

### A-4. Labor force by sex, age, and race

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978
<b>MALES</b>								
16 years and over . . . . .	59,209	60,369	77.7	78.0	57,195	58,376	77.0	77.4
16 to 19 years . . . . .	4,991	5,085	58.7	60.0	4,667	4,792	57.1	58.6
16 to 17 years . . . . .	2,002	2,045	47.1	48.4	1,969	2,022	46.7	48.1
18 to 19 years . . . . .	2,989	3,040	70.3	71.6	2,699	2,770	68.1	69.7
20 to 24 years . . . . .	8,562	8,742	85.7	86.1	7,815	7,985	84.6	85.0
25 to 54 years . . . . .	36,726	37,496	94.2	94.5	35,785	36,554	94.1	94.4
25 to 34 years . . . . .	15,590	16,029	95.5	95.8	14,973	15,411	95.3	95.7
35 to 44 years . . . . .	10,953	11,344	95.7	95.8	10,668	11,058	95.6	95.7
45 to 54 years . . . . .	10,183	10,123	90.9	91.2	10,144	10,084	90.9	91.1
55 to 64 years . . . . .	7,043	7,098	73.7	73.4	7,041	7,096	73.7	73.4
55 to 59 years . . . . .	4,336	4,386	83.0	82.6	4,335	4,385	83.0	82.6
60 to 64 years . . . . .	2,707	2,712	62.6	62.2	2,707	2,712	62.6	62.2
65 years and over . . . . .	1,887	1,948	20.4	20.7	1,887	1,948	20.4	20.7
<b>White</b>								
16 years and over . . . . .	52,963	53,736	78.6	78.7	51,316	52,135	78.1	78.2
16 to 19 years . . . . .	4,469	4,562	61.8	63.5	4,205	4,331	60.3	62.3
16 to 17 years . . . . .	1,835	1,885	51.0	52.8	1,808	1,866	50.6	52.6
18 to 19 years . . . . .	2,633	2,678	72.5	74.0	2,397	2,465	70.5	72.4
20 to 24 years . . . . .	7,480	7,633	86.7	87.2	6,886	7,042	85.7	86.3
25 to 54 years . . . . .	32,826	33,340	95.1	95.1	32,039	32,563	95.0	94.9
25 to 34 years . . . . .	13,857	14,163	96.2	96.2	13,345	13,660	96.1	96.1
35 to 44 years . . . . .	9,763	10,098	96.5	96.3	9,522	9,858	96.4	96.2
45 to 54 years . . . . .	9,207	9,080	92.2	91.9	9,172	9,045	92.2	91.9
55 to 64 years . . . . .	6,462	6,457	74.7	73.8	6,460	6,456	74.7	73.8
55 to 59 years . . . . .	3,965	3,987	84.0	83.3	3,964	3,985	84.0	83.3
60 to 64 years . . . . .	2,497	2,471	63.5	62.3	2,497	2,471	63.5	62.3
65 years and over . . . . .	1,726	1,743	20.7	20.5	1,726	1,743	20.7	20.5
<b>Black and other</b>								
16 years and over . . . . .	6,246	6,633	70.2	72.5	5,880	6,241	68.9	71.3
16 to 19 years . . . . .	522	523	41.2	40.7	462	461	38.3	37.7
16 to 17 years . . . . .	167	160	25.6	24.4	161	156	25.0	23.9
18 to 19 years . . . . .	356	363	57.5	57.7	301	304	53.4	53.4
20 to 24 years . . . . .	1,082	1,109	79.8	78.9	929	943	77.2	76.1
25 to 54 years . . . . .	3,899	4,156	87.3	90.3	3,746	3,992	86.9	89.9
25 to 34 years . . . . .	1,733	1,867	89.9	92.7	1,628	1,751	89.3	92.2
35 to 44 years . . . . .	1,190	1,246	89.7	91.4	1,146	1,201	89.4	91.1
45 to 54 years . . . . .	977	1,044	80.6	85.1	973	1,040	80.6	85.0
55 to 64 years . . . . .	581	641	64.7	69.7	581	640	64.7	69.7
55 to 59 years . . . . .	371	399	73.6	76.4	371	399	73.6	76.4
60 to 64 years . . . . .	210	241	53.3	60.9	210	241	53.3	60.9
65 years and over . . . . .	161	205	17.7	22.0	161	205	17.7	22.0

## HOUSEHOLD DATA

### A-4. Labor force by sex, age, and race—Continued

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978
<b>FEMALES</b>								
16 years and over . . . . .	40,606	42,591	49.0	50.6	40,488	42,462	48.9	50.5
16 to 19 years . . . . .	4,124	4,344	49.5	52.4	4,106	4,323	49.4	52.3
16 to 17 years . . . . .	1,683	1,800	40.9	44.0	1,682	1,799	40.9	44.0
18 to 19 years . . . . .	2,442	2,544	58.0	60.6	2,424	2,525	57.9	60.4
20 to 24 years . . . . .	6,752	7,063	67.7	69.6	6,688	6,995	67.5	69.4
25 to 54 years . . . . .	24,235	25,562	59.5	61.7	24,200	25,521	59.4	61.6
25 to 34 years . . . . .	10,208	10,844	61.1	63.4	10,177	10,807	61.1	63.3
35 to 44 years . . . . .	7,275	7,818	60.3	62.6	7,272	7,815	60.3	62.6
45 to 54 years . . . . .	6,752	6,900	56.3	58.2	6,751	6,899	56.3	58.2
55 to 64 years . . . . .	4,413	4,517	41.3	41.8	4,413	4,517	41.3	41.8
55 to 59 years . . . . .	2,780	2,851	48.4	48.8	2,780	2,851	48.4	48.8
60 to 64 years . . . . .	1,632	1,665	33.0	33.5	1,632	1,665	33.0	33.5
65 years and over . . . . .	1,082	1,106	8.2	8.2	1,082	1,106	8.2	8.2
<b>White</b>								
16 years and over . . . . .	35,161	36,771	48.5	50.1	35,066	36,668	48.5	50.0
16 to 19 years . . . . .	3,701	3,872	52.7	55.5	3,686	3,855	52.6	55.4
16 to 17 years . . . . .	1,564	1,632	45.1	47.5	1,564	1,631	45.1	47.5
18 to 19 years . . . . .	2,137	2,240	60.0	63.2	2,122	2,224	59.8	63.1
20 to 24 years . . . . .	5,830	6,064	68.8	70.5	5,779	6,011	68.6	70.3
25 to 54 years . . . . .	20,738	21,831	58.6	60.8	20,710	21,799	58.6	60.8
25 to 34 years . . . . .	8,611	9,144	59.9	62.3	8,587	9,116	59.8	62.2
35 to 44 years . . . . .	6,241	6,658	59.8	61.6	6,238	6,655	59.8	61.6
45 to 54 years . . . . .	5,886	6,029	55.7	57.9	5,885	6,028	55.7	57.8
55 to 64 years . . . . .	3,937	4,045	40.9	41.6	3,937	4,045	40.9	41.6
55 to 59 years . . . . .	2,477	2,555	48.0	48.8	2,477	2,555	48.0	48.8
60 to 64 years . . . . .	1,461	1,490	32.7	33.2	1,461	1,490	32.7	33.2
65 years and over . . . . .	954	959	8.0	7.9	954	959	8.0	7.9
<b>Black and other</b>								
16 years and over . . . . .	5,445	5,821	52.2	54.3	5,422	5,794	52.1	54.1
16 to 19 years . . . . .	423	472	32.7	36.1	420	469	32.5	35.9
16 to 17 years . . . . .	118	168	18.2	25.6	118	168	18.2	25.6
18 to 19 years . . . . .	305	304	47.3	46.5	302	300	47.1	46.2
20 to 24 years . . . . .	922	999	61.7	64.8	909	985	61.4	64.4
25 to 54 years . . . . .	3,497	3,731	65.1	67.4	3,490	3,723	65.0	67.3
25 to 34 years . . . . .	1,596	1,700	69.0	70.3	1,590	1,691	68.9	70.2
35 to 44 years . . . . .	1,034	1,160	63.0	68.8	1,033	1,160	63.0	68.8
45 to 54 years . . . . .	867	871	61.1	60.8	866	871	61.1	60.8
55 to 64 years . . . . .	475	471	44.9	43.4	475	471	44.9	43.4
55 to 59 years . . . . .	303	296	52.1	48.9	303	296	52.1	48.9
60 to 64 years . . . . .	172	175	36.1	36.6	172	175	36.1	36.6
65 years and over . . . . .	128	147	10.6	11.7	128	147	10.6	11.7

# HOUSEHOLD DATA

## A-5. Employment status of black workers by sex and age

[Numbers in thousands]

Sex and age	September 1978						
	Total	Civilian labor force			Unemployed		Not in labor force
		Total	Agri-culture	Nonagri-cultural industries	Number	Percent of labor force	
<b>Total</b>							
16 years and over .....	10,231	9,060	284	8,776	1,170	11.4	6,479
16 to 19 years .....	790	487	23	464	303	38.4	1,433
16 to 17 years .....	261	143	9	135	118	45.1	894
18 to 19 years .....	529	344	14	330	185	35.0	539
20 to 24 years .....	1,662	1,288	40	1,248	374	22.5	716
25 to 54 years .....	6,489	6,049	145	5,905	439	6.8	1,492
25 to 34 years .....	2,877	2,611	49	2,562	266	9.3	692
35 to 44 years .....	2,000	1,913	44	1,870	87	4.3	556
45 to 54 years .....	1,612	1,525	52	1,473	86	5.3	656
55 to 64 years .....	984	951	42	910	33	3.3	794
55 to 59 years .....	614	595	23	572	19	3.1	379
60 to 64 years .....	370	357	19	338	14	3.7	415
65 years and over .....	306	285	36	249	21	6.9	1,632
<b>Males</b>							
16 years and over .....	5,268	4,777	252	4,525	489	9.3	2,227
16 to 19 years .....	389	251	21	230	138	35.5	684
16 to 17 years .....	123	76	7	69	48	39.0	452
18 to 19 years .....	265	175	13	162	90	34.0	232
20 to 24 years .....	809	664	39	625	145	17.9	246
25 to 54 years .....	3,339	3,162	122	3,040	176	5.3	412
25 to 34 years .....	1,448	1,342	43	1,299	106	7.3	128
35 to 44 years .....	1,015	993	34	960	22	2.2	110
45 to 54 years .....	875	826	46	781	48	5.5	174
55 to 64 years .....	558	541	41	501	18	3.2	251
55 to 59 years .....	345	334	23	311	11	3.2	111
60 to 64 years .....	213	207	17	190	7	3.3	140
65 years and over .....	173	160	32	128	13	7.5	634
<b>Females</b>							
16 years and over .....	4,963	4,283	32	4,251	681	13.7	4,252
16 to 19 years .....	401	236	2	234	165	41.2	749
16 to 17 years .....	138	67	2	66	70	51.2	442
18 to 19 years .....	264	169	1	168	95	35.9	307
20 to 24 years .....	853	624	1	623	229	26.8	470
25 to 54 years .....	3,150	2,887	23	2,865	263	8.3	1,492
25 to 34 years .....	1,429	1,269	6	1,263	160	11.2	564
35 to 44 years .....	985	920	10	910	65	6.6	446
45 to 54 years .....	737	699	6	692	38	5.2	482
55 to 64 years .....	426	410	1	409	15	3.6	543
55 to 59 years .....	269	261	--	261	8	3.1	268
60 to 64 years .....	157	150	2	148	7	4.6	275
65 years and over .....	133	125	4	121	8	6.2	998

NOTE: According to the 1970 Census, black workers comprised about 89 percent of the "black and other" population group.

## HOUSEHOLD DATA

### A-6. Employment status of the noninstitutional population by sex, age, and race

[Numbers in thousands]

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978
<b>TOTAL</b>								
Total noninstitutional population .....	159,114	161,570	67,745	68,937	74,543	75,873	16,825	16,760
Total labor force .....	99,815	102,961	51,218	55,284	36,482	38,247	9,115	9,429
Percent of population .....	62.1	63.7	70.0	80.2	48.9	50.4	54.2	56.3
Civilian labor force .....	97,634	101,835	52,528	53,584	36,382	38,138	8,773	9,115
Employed .....	91,247	95,041	50,374	51,709	33,709	35,728	7,163	7,604
Agriculture .....	3,326	3,549	2,406	2,512	529	632	391	405
Nonagricultural industries .....	87,921	91,492	47,969	49,197	33,180	35,096	6,772	7,199
Unemployed .....	6,437	5,797	2,154	1,875	2,673	2,410	1,610	1,512
Percent of labor force .....	6.6	5.7	4.1	3.5	7.3	6.3	18.3	16.6
Not in labor force .....	59,299	58,609	13,527	13,652	38,062	37,626	7,710	7,331
<b>White</b>								
Total noninstitutional population .....	139,789	141,693	60,117	61,075	65,411	66,453	14,261	14,165
Total labor force .....	88,124	90,507	48,494	49,174	31,460	32,899	8,170	8,434
Percent of population .....	63.0	63.9	80.7	80.5	48.1	49.5	57.3	59.5
Civilian labor force .....	86,382	88,803	47,111	47,804	31,380	32,813	7,891	8,186
Employed .....	81,394	84,325	45,447	46,338	29,312	30,970	6,635	7,017
Agriculture .....	3,076	3,183	2,227	2,220	479	582	369	380
Nonagricultural industries .....	78,318	81,142	43,219	44,118	28,833	30,387	6,266	6,637
Unemployed .....	4,988	4,478	1,664	1,466	2,069	1,843	1,255	1,169
Percent of labor force .....	5.8	5.0	3.5	3.1	6.6	5.6	15.9	14.3
Not in labor force .....	51,665	51,187	11,623	11,901	33,951	33,554	6,091	5,731
<b>Black and other</b>								
Total noninstitutional population .....	19,323	19,876	7,629	7,862	9,153	9,419	2,564	2,595
Total labor force .....	11,691	12,454	5,724	6,111	5,022	4,348	945	995
Percent of population .....	60.5	62.7	75.0	77.7	55.0	56.8	36.9	38.3
Civilian labor force .....	11,302	12,035	5,418	5,780	5,002	5,325	882	929
Employed .....	9,853	10,716	4,927	5,371	4,397	4,759	528	587
Agriculture .....	250	366	178	292	50	50	22	24
Nonagricultural industries .....	9,603	10,350	4,749	5,079	4,347	4,709	506	563
Unemployed .....	1,449	1,318	490	409	605	567	354	342
Percent of labor force .....	12.8	11.0	9.0	7.1	12.1	10.6	40.2	36.9
Not in labor force .....	7,634	7,422	1,905	1,751	4,111	4,071	1,618	1,600

### A-7. Employment status of the noninstitutional population 16-21 years of age by race and sex

[Numbers in thousands]

Employment status	September 1978								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
<b>Total noninstitutional population</b> .....									
Total labor force .....	25,265	12,763	12,502	21,414	10,864	10,550	3,851	1,899	1,952
Percent of population .....	62.4	67.3	57.4	65.0	70.0	59.8	48.1	51.8	44.5
Civilian labor force .....	15,040	7,913	7,128	13,342	7,073	6,269	1,699	840	859
Employed .....	12,870	6,895	5,976	11,711	6,303	5,408	1,160	592	568
Agriculture .....	552	458	94	511	419	92	41	39	2
Nonagricultural industries .....	12,319	6,437	5,882	11,200	5,884	5,316	1,119	553	566
Unemployed .....	2,170	1,018	1,152	1,631	770	861	539	248	291
Looking for full-time work .....	1,239	572	667	901	407	494	338	166	172
Looking for part-time work .....	931	445	485	730	363	367	201	82	118
Percent of labor force .....	14.4	12.9	16.2	12.2	10.9	13.7	31.7	29.6	33.8
Not in labor force .....	9,500	4,177	5,322	7,500	3,261	4,239	1,999	916	1,083
<b>MAJOR ACTIVITY: GOING TO SCHOOL</b>									
Civilian labor force .....	4,187	2,142	2,045	3,758	1,956	1,802	429	187	242
Employed .....	3,390	1,741	1,649	3,146	1,635	1,512	243	106	138
Agriculture .....	198	157	41	192	152	40	6	5	2
Nonagricultural industries .....	3,191	1,584	1,608	2,954	1,482	1,472	237	101	136
Unemployed .....	797	402	395	612	321	291	185	81	105
Looking for full-time work .....	59	27	32	37	16	22	22	12	10
Looking for part-time work .....	738	375	364	574	305	269	164	69	95
Percent of labor force .....	19.0	18.8	19.3	16.3	16.4	16.1	43.2	43.3	43.2
Not in labor force .....	7,147	3,637	3,511	5,632	2,871	2,811	1,466	766	700
<b>MAJOR ACTIVITY: OTHER</b>									
Civilian labor force .....	10,853	5,770	5,083	9,583	5,117	4,467	1,270	653	617
Employed .....	9,481	5,154	4,327	8,564	4,668	3,896	916	486	431
Agriculture .....	353	301	53	319	267	52	35	34	--
Nonagricultural industries .....	9,127	4,853	4,274	8,246	4,402	3,844	882	452	430
Unemployed .....	1,373	616	757	1,012	449	571	333	167	186
Looking for full-time work .....	1,180	545	635	864	391	473	316	154	162
Looking for part-time work .....	193	71	122	156	58	98	37	13	24
Percent of labor force .....	12.8	10.7	14.9	10.6	8.8	12.8	27.8	25.6	30.2
Not in labor force .....	2,359	540	1,812	1,818	390	1,428	534	150	383

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## A-8. Full- and part-time status of the civilian labor force by sex, age, and race

[Numbers in thousands]

Race, sex, and age	September 1978									
	Full-time labor force					Part-time labor force				
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time <sup>1</sup>	Unemployed (looking for part-time work)		
		Full- time schedules <sup>1</sup>	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force	
<b>TOTAL</b>										
Both sexes, 16 years and over .....	85,753	78,312	3,169	4,272	5.0	15,085	13,560	1,525	10.1	
16 to 21 years .....	9,555	7,514	803	1,239	13.0	5,485	4,554	931	17.0	
16 to 19 years .....	4,659	3,417	501	741	15.9	4,457	3,686	771	17.3	
16 to 17 years .....	908	578	137	194	21.3	9,913	2,189	524	18.0	
18 to 19 years .....	3,750	2,839	364	547	14.6	1,544	1,297	247	16.0	
20 years and over .....	81,095	74,895	2,669	3,531	4.4	10,628	9,874	754	7.1	
20 to 24 years .....	12,985	11,201	674	1,111	8.6	1,995	1,740	256	12.8	
25 years and over .....	68,109	63,694	1,995	2,421	3.6	8,633	8,135	499	5.8	
25 to 54 years .....	56,346	52,633	1,582	2,131	3.8	5,729	5,378	351	6.1	
55 years and over .....	11,763	11,061	413	290	2.5	2,904	2,757	147	5.1	
Males, 16 years and over .....	53,408	50,026	1,384	1,998	3.7	4,968	4,378	590	11.9	
16 to 21 years .....	5,295	4,331	392	572	10.8	2,617	2,172	446	17.0	
16 to 19 years .....	2,585	1,991	268	326	12.6	2,207	1,820	387	17.5	
20 years and over .....	50,823	48,035	1,116	1,672	3.3	2,761	2,558	203	7.4	
20 to 24 years .....	7,217	6,409	282	526	7.3	768	669	99	12.9	
25 years and over .....	43,605	41,626	834	1,145	2.6	1,993	1,889	104	5.2	
25 to 54 years .....	35,830	34,211	640	978	2.7	724	683	40	5.5	
55 years and over .....	7,775	7,415	194	167	2.1	1,269	1,205	64	5.0	
Females, 16 years and over .....	32,345	28,286	1,785	2,274	7.0	10,116	9,182	935	9.2	
16 to 21 years .....	4,260	3,183	411	667	15.6	2,867	2,382	485	16.9	
16 to 19 years .....	2,073	1,426	233	415	20.0	2,250	1,866	384	17.1	
20 years and over .....	30,272	26,860	1,553	1,859	6.1	7,866	7,316	551	7.0	
20 to 24 years .....	5,768	4,792	392	584	10.1	1,227	1,071	156	12.7	
25 years and over .....	24,504	22,068	1,161	1,275	5.2	6,640	6,245	395	5.9	
25 to 54 years .....	20,516	18,422	942	1,152	5.6	5,005	4,693	311	6.2	
55 years and over .....	3,988	3,646	219	122	3.1	1,635	1,552	83	5.1	
<b>White</b>										
Males, 16 years and over .....	47,657	44,983	1,129	1,545	3.2	4,478	4,001	477	10.6	
16 to 21 years .....	4,671	3,923	341	407	8.7	2,402	2,039	363	15.1	
16 to 19 years .....	2,310	1,829	241	240	10.4	2,021	1,705	316	15.6	
20 years and over .....	45,347	43,154	888	1,305	2.9	2,456	2,296	161	6.5	
20 to 24 years .....	6,341	5,751	217	373	5.9	701	620	81	11.5	
25 years and over .....	39,006	37,403	672	932	2.4	1,755	1,676	80	4.6	
25 to 54 years .....	31,938	30,641	516	782	2.4	624	594	32	5.1	
55 years and over .....	7,068	6,762	156	150	2.1	1,130	1,082	49	4.3	
Females, 16 years and over .....	27,533	24,410	1,429	1,694	6.2	9,135	8,373	763	8.3	
16 to 21 years .....	3,727	2,872	360	494	13.3	2,542	2,175	367	14.4	
16 to 19 years .....	1,846	1,320	209	318	17.2	2,008	1,713	295	14.7	
20 years and over .....	25,686	23,090	1,220	1,376	5.4	7,127	6,659	468	6.6	
20 to 24 years .....	4,936	4,211	332	393	8.0	1,075	961	113	10.6	
25 years and over .....	20,751	18,879	888	984	4.7	6,052	5,698	354	5.8	
25 to 54 years .....	17,211	15,606	731	875	5.1	4,588	4,306	282	6.1	
55 years and over .....	3,539	3,274	157	109	3.1	1,465	1,392	72	4.9	
<b>Black and other</b>										
Males, 16 years and over .....	5,750	5,043	255	452	7.9	491	377	114	23.	
16 to 21 years .....	624	408	51	166	26.5	215	133	82	38.3	
16 to 19 years .....	275	162	27	86	31.2	185	115	71	38.2	
20 years and over .....	5,475	4,881	228	367	6.7	305	262	43	14.0	
20 to 24 years .....	876	657	66	153	17.5	67	48	19	(2)	
25 years and over .....	4,600	4,224	163	213	4.6	239	214	25	10.5	
25 to 54 years .....	3,892	3,570	125	197	5.1	100	90	9	9.0	
55 years and over .....	707	653	38	17	2.4	139	124	15	10.8	
Females, 16 years and over .....	4,812	3,876	356	580	12.1	981	809	172	17.6	
16 to 21 years .....	534	311	50	172	32.3	325	207	118	36.4	
16 to 19 years .....	227	106	24	97	42.6	242	152	89	36.9	
20 years and over .....	4,585	3,770	332	483	10.5	740	657	83	11.2	
20 to 24 years .....	832	581	59	192	23.1	153	110	43	28.1	
25 years and over .....	3,753	3,189	274	292	7.8	586	547	41	7.0	
25 to 54 years .....	3,305	2,916	211	277	8.4	417	388	30	7.2	
55 years and over .....	448	372	63	14	3.1	169	159	11	6.5	

<sup>1</sup> Employed persons with a job but not at work are distributed proportionately among the full- and part-time employed categories.

<sup>2</sup> Percent not shown where base is less than 75,000.

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### A-9. Employment status of the noninstitutional population by family relationship

[Numbers in thousands]

Family relationship	September 1978									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over .....	100,838	63.2	95,041	5,797	5.7	58,609	32,580	8,488	2,746	14,795
Husbands <sup>1</sup> .....	40,718	81.7	39,799	919	2.3	9,141	152	201	1,147	7,641
With employed wife .....	20,346	92.0	19,953	392	1.9	1,763	42	121	376	1,225
With unemployed wife .....	1,221	92.9	1,166	54	4.4	95	1	8	23	63
With wife not in labor force .....	17,594	72.1	17,212	382	2.2	6,804	71	49	684	6,000
Wives .....	23,426	49.0	22,111	1,315	5.6	24,397	22,408	264	230	1,495
With employed husband .....	21,120	55.1	19,955	1,166	5.5	17,212	16,111	237	87	778
With unemployed husband .....	447	53.9	392	54	12.1	382	359	5	11	6
With husband not in labor force .....	1,858	21.5	1,764	95	5.1	6,803	5,938	21	132	711
Relatives in husband-wife families .....	13,658	60.0	12,025	1,634	12.0	9,097	1,308	5,887	365	1,537
16-19 years .....	6,451	55.2	5,517	934	14.5	5,245	190	4,615	9	431
20-24 years .....	4,738	74.2	4,241	496	10.5	1,646	164	1,160	31	291
25 years and over .....	2,469	52.8	2,267	204	8.3	2,206	954	112	325	815
Women who head families .....	4,883	59.7	4,474	409	8.4	3,300	2,715	104	128	353
Relatives in female-headed families .....	3,942	54.8	3,243	699	17.7	3,249	821	1,436	275	716
16-19 years .....	1,278	46.7	934	345	27.0	1,457	98	1,159	9	192
20-24 years .....	1,153	71.7	919	234	20.3	455	101	240	23	93
25 years and over .....	1,511	53.1	1,390	120	7.9	1,337	622	37	243	431
Persons not living in families <sup>2</sup> .....	14,211	60.1	13,389	821	5.8	9,425	5,176	596	601	3,053

<sup>1</sup> Includes a small number of single, separated, widowed, or divorced men who head families.

<sup>2</sup> Individuals living alone or with unrelated persons plus a small number of persons in secondary families.

### A-10. Unemployed persons by marital status, sex, age, and race

Marital status, sex, age, and race	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978
Total, 16 years and over .....	2,940	2,588	5.1	4.4	3,497	3,209	8.6	7.6
Married, spouse present .....	1,066	875	2.7	2.2	1,597	1,444	6.9	6.1
Widowed, divorced, or separated .....	244	249	5.8	5.5	585	544	7.9	6.8
Single (never married) .....	1,630	1,464	12.4	10.7	1,315	1,221	13.1	11.5
White, 16 years and over .....	2,287	2,022	4.5	3.9	2,700	2,456	7.7	6.7
Married, spouse present .....	879	754	2.4	2.1	1,375	1,240	6.7	5.8
Widowed, divorced, or separated .....	191	179	5.6	4.9	426	395	7.2	6.2
Single (never married) .....	1,217	1,089	10.6	9.1	899	822	10.5	9.2
Black and other, 16 years and over .....	652	566	11.1	9.1	797	752	14.7	13.0
Married, spouse present .....	186	121	5.5	3.4	222	204	9.2	8.3
Widowed, divorced, or separated .....	54	70	7.0	7.8	159	149	10.7	9.4
Single (never married) .....	412	375	24.2	21.0	416	399	27.4	22.9
Total, 20 to 64 years of age .....	2,068	1,802	4.1	3.5	2,625	2,365	7.4	6.4
Married, spouse present .....	982	803	2.6	2.1	1,482	1,338	6.7	5.8
Widowed, divorced, or separated .....	226	228	5.7	5.3	538	506	8.0	6.9
Single (never married) .....	859	772	9.9	8.4	605	520	9.6	7.7
White, 20 to 64 years of age .....	1,587	1,407	3.5	3.1	2,026	1,806	6.7	5.7
Married, spouse present .....	802	692	2.3	2.0	1,281	1,141	6.5	5.5
Widowed, divorced, or separated .....	177	165	5.5	4.8	383	363	7.1	6.3
Single (never married) .....	608	550	8.2	7.0	361	302	7.0	5.6
Black and other, 20 to 64 years of age .....	482	396	9.2	7.1	600	559	12.3	10.8
Married, spouse present .....	180	111	5.5	3.3	202	198	8.6	8.3
Widowed, divorced, or separated .....	50	64	6.8	7.4	154	142	11.1	9.5
Single (never married) .....	251	222	20.2	16.8	244	217	21.5	16.7

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### A-11. Unemployed persons by occupation of last job and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978
Total .....	6,437	5,797	6.6	5.7	5.1	4.4	8.6	7.6
White-collar workers .....	2,153	1,861	4.5	3.8	2.8	2.2	6.2	4.7
Professional and technical .....	491	444	3.4	3.0	2.3	1.8	4.8	4.6
Managers and administrators, except farm .....	236	220	2.3	2.1	1.8	1.8	4.1	3.1
Sales workers .....	282	245	4.7	4.0	3.5	2.6	6.3	5.8
Clerical workers .....	1,144	952	6.7	5.3	5.2	3.5	7.1	5.7
Blue-collar workers .....	2,150	1,998	6.6	5.9	5.7	5.1	10.2	9.1
Craft and kindred workers .....	536	514	4.3	3.9	4.1	3.8	7.9	5.5
Carpenters and other construction craft .....	235	263	6.1	6.3	6.2	6.2	(1)	(1)
All other .....	301	251	3.5	2.8	3.1	2.6	8.3	4.6
Operatives, except transport .....	966	862	8.5	7.3	6.6	5.3	11.1	10.1
Transport equipment operatives .....	163	150	4.4	4.0	4.4	3.8	4.1	6.0
Nonfarm laborers .....	485	472	9.5	9.0	9.7	9.2	7.4	7.8
Construction laborers .....	133	143	13.7	13.2	13.6	13.1	(1)	(1)
All other .....	352	329	8.5	7.9	8.7	8.0	6.7	7.4
Service workers .....	1,103	1,048	8.2	7.6	7.1	6.4	8.7	8.3
Private household .....	67	55	5.5	4.5	(1)	(1)	5.6	4.5
All other .....	1,036	993	8.4	7.9	7.2	6.4	9.2	8.9
Farm workers .....	122	110	4.2	3.6	3.4	2.6	7.6	7.7
No previous work experience .....	908	779	--	--	--	--	--	--
16 to 19 years .....	639	547	--	--	--	--	--	--
20 to 24 years .....	176	142	--	--	--	--	--	--
25 years and over .....	92	90	--	--	--	--	--	--

<sup>1</sup> Percent not shown where base is less than 75,000.

### A-12. Unemployed persons by industry of last job and sex

Industry	Percent distribution		Unemployment rates					
			Total		Males		Females	
	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978
Total .....	100.0	100.0	6.6	5.7	5.1	4.4	8.6	7.6
Nonagricultural private wage and salary workers .....	69.9	70.5	6.4	5.5	5.1	4.4	8.2	7.1
Mining .....	.3	.6	2.1	3.9	1.7	3.8	(1)	4.3
Construction .....	5.5	7.1	7.8	8.1	7.8	8.0	8.1	8.5
Manufacturing .....	20.8	18.7	6.2	4.8	4.5	3.3	9.8	8.1
Durable goods .....	11.2	10.0	5.6	4.4	4.5	3.1	9.3	8.1
Lumber and wood products .....	.6	.8	5.4	6.5	4.9	5.7	(1)	10.6
Furniture and fixtures .....	.6	.5	7.8	5.0	6.2	2.9	11.9	9.6
Stone, clay, and glass products .....	.9	.6	7.7	5.4	7.1	4.9	10.0	6.9
Primary metal industries .....	1.0	.6	4.6	2.6	4.3	2.1	7.5	6.8
Fabricated metal products .....	1.7	1.3	7.2	5.3	6.1	3.5	11.0	11.2
Machinery, except electrical equipment .....	1.7	1.4	4.5	3.2	3.7	2.4	8.4	6.4
Electrical equipment .....	1.8	2.1	5.4	5.5	3.1	3.0	8.2	8.8
Transportation equipment .....	1.5	1.2	4.3	3.0	3.5	2.7	8.8	4.5
Automobiles .....	.5	.6	2.2	2.5	1.8	2.8	4.2	.8
Other transportation equipment .....	1.1	.6	7.3	3.7	5.7	2.5	16.1	10.0
Instruments and related products .....	.5	.6	5.8	5.3	3.6	2.0	8.7	9.6
Other durable goods industries .....	1.0	.9	9.0	6.6	6.8	5.4	12.4	8.3
Nondurable goods .....	9.6	8.7	6.9	5.5	4.6	3.6	10.3	8.2
Food and kindred products .....	2.4	1.9	7.7	5.4	6.0	4.2	11.6	8.1
Textile mill products .....	1.1	1.1	8.0	6.6	8.6	7.2	7.4	5.9
Apparel and other textile products .....	2.2	2.1	10.5	9.0	8.1	5.1	11.1	10.0
Paper and allied products .....	.5	.5	4.8	4.0	3.0	1.8	11.7	10.4
Printing and publishing .....	1.2	.9	5.7	3.7	3.6	3.3	8.7	4.2
Chemicals and allied products .....	.7	.6	3.7	2.6	2.0	1.1	8.4	7.2
Rubber and plastics products .....	.7	1.0	5.9	8.3	3.5	4.6	10.4	13.9
Other nondurable goods industries .....	.7	.6	8.0	5.5	3.8	4.6	14.5	7.1
Transportation and public utilities .....	3.5	3.1	4.5	3.4	3.8	3.2	7.0	4.1
Railroads and railway express .....	.2	.3	2.5	2.7	2.6	2.5	(1)	(1)
Other transportation .....	2.3	2.0	6.2	4.6	5.8	4.5	7.9	5.4
Communication and other public utilities .....	1.0	.8	3.2	2.2	1.6	1.7	6.7	3.3
Wholesale and retail trade .....	20.2	20.2	7.3	6.5	5.9	4.9	8.9	8.2
Finance, insurance, and real estate .....	3.0	3.0	4.0	3.4	2.5	2.7	5.2	3.9
Service industries .....	16.6	17.7	6.7	6.1	5.4	5.0	7.5	6.8
Professional services .....	7.0	7.5	5.0	4.6	3.2	4.0	5.9	4.8
All other service industries .....	9.6	10.1	8.8	8.2	7.3	5.9	10.1	10.1
Agricultural wage and salary workers .....	2.2	2.1	9.0	7.4	7.8	5.6	14.0	14.2
All other classes of workers .....	13.8	14.0	3.6	3.3	2.8	2.4	4.7	4.5
No previous work experience .....	14.1	13.4	--	--	--	--	--	--

<sup>1</sup> Percent not shown where base is less than 75,000.

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### A-13. Unemployed persons by reason for unemployment, sex, age, and race

Reason for unemployment	Total unemployed		Males, 20 years and over		Females, 20 years and over		Both sexes, 16 to 19 years		White		Black and other	
	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978
<b>UNEMPLOYMENT LEVEL</b>												
Total unemployed, in thousands .....	6,437	5,797	2,154	1,875	2,673	2,410	1,610	1,512	4,988	4,478	1,449	1,318
Job losers .....	2,518	1,975	1,302	980	917	704	300	291	1,969	1,533	549	443
On layoff.....	595	505	282	244	253	217	60	44	515	410	80	96
Other job losers.....	1,923	1,470	1,020	736	664	487	240	247	1,454	1,123	469	347
Job leavers .....	1,001	982	348	349	453	416	199	216	853	815	147	167
Reentrants .....	2,010	2,062	418	473	1,122	1,131	471	458	1,522	1,580	488	482
New entrants .....	908	778	87	72	182	160	640	546	643	551	265	227
Total unemployed, percent distribution.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	39.1	34.1	60.5	52.3	34.3	29.2	18.7	19.3	39.5	34.2	37.8	33.6
On layoff.....	9.2	8.7	13.1	13.0	9.5	9.0	3.8	2.9	10.3	9.2	5.5	7.3
Other job losers.....	29.9	25.4	47.4	39.3	24.8	20.2	14.9	16.4	29.2	25.0	32.3	26.3
Job leavers .....	15.5	16.9	16.1	18.6	17.0	17.3	12.4	14.3	17.1	18.2	10.2	12.7
Reentrants .....	31.2	35.6	19.4	25.2	42.0	46.9	29.2	30.3	30.5	35.3	33.7	36.6
New entrants .....	14.1	13.4	4.0	3.8	6.8	6.6	39.7	36.1	12.9	12.3	18.3	17.2
<b>UNEMPLOYMENT RATE</b>												
Total unemployment rate .....	6.6	5.7	4.1	3.5	7.3	6.3	18.3	16.6	5.8	5.0	12.8	11.0
Job loser rate <sup>1</sup> .....	2.6	2.0	2.4	1.8	2.5	1.8	3.4	3.2	2.3	3.6	4.8	3.7
Job leaver rate <sup>1</sup> .....	1.0	1.0	.7	.6	1.2	1.1	2.3	2.4	1.0	.9	1.3	1.4
Reentrant rate <sup>1</sup> .....	2.1	2.0	.8	.9	3.1	3.0	5.4	5.0	1.8	1.8	4.3	4.0
New entrant rate <sup>1</sup> .....	.9	.8	.2	.1	.5	.4	7.3	6.0	.7	.6	2.3	1.9

<sup>1</sup> Unemployment rates are calculated as a percent of the civilian labor force.

### A-14. Unemployed persons by reason for unemployment, duration, sex, and age

[Percent distribution]

Reason, sex, and age	September 1978						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over	15 to 26 weeks	27 weeks and over
Total, 16 years and over ....	5,797	100.0	53.5	27.7	18.7	9.1	9.6
Job losers .....	1,975	100.0	41.1	32.1	26.8	13.0	13.8
On layoff .....	505	100.0	55.0	26.3	18.6	11.9	6.7
Other job losers .....	1,470	100.0	36.3	34.1	29.7	13.4	16.3
Job leavers .....	982	100.0	61.2	26.3	12.5	5.3	7.2
Reentrants .....	2,062	100.0	61.5	23.4	15.1	7.0	8.1
New entrants .....	778	100.0	54.6	29.9	15.4	9.4	6.0
Males, 20 years and over ....	1,875	100.0	41.8	30.1	28.1	12.0	16.1
Job losers .....	980	100.0	36.5	33.3	30.2	12.7	17.6
On layoff .....	244	100.0	53.5	26.5	20.0	8.2	11.8
Other job losers .....	736	100.0	30.8	35.5	33.7	14.3	19.4
Job leavers .....	349	100.0	53.0	29.2	17.8	8.9	8.9
Reentrants .....	473	100.0	47.4	25.4	27.3	10.6	16.7
New entrants .....	72	100.0	(1)	(1)	(1)	(1)	(1)
Females, 20 years and over ...	2,410	100.0	55.6	26.4	17.9	9.0	8.9
Job losers .....	704	100.0	38.7	33.3	28.0	15.8	12.2
On layoff .....	217	100.0	46.8	32.6	20.6	17.9	2.8
Other job losers .....	487	100.0	35.0	33.7	31.3	14.8	16.5
Job leavers .....	416	100.0	58.7	27.9	13.5	4.1	9.4
Reentrants .....	1,131	100.0	64.5	21.8	13.6	6.8	6.8
New entrants .....	160	100.0	58.8	25.6	15.6	8.1	7.5
Both sexes, 16 to 19 years ...	1,512	100.0	64.7	26.8	8.5	5.6	2.8
Job losers .....	291	100.0	62.2	25.1	12.7	7.6	5.2
On layoff .....	44	100.0	(1)	(1)	(1)	(1)	(1)
Other job losers .....	247	100.0	55.0	30.1	14.9	8.4	6.4
Job leavers .....	216	100.0	79.2	18.5	2.3	2.3	--
Reentrants .....	458	100.0	68.6	25.2	6.1	3.7	2.4
New entrants .....	546	100.0	57.4	32.1	10.5	7.5	2.9

<sup>1</sup> Percent not shown where base is less than 75,000.

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### A-15. Unemployed jobseekers by the jobsearch methods used, sex, age, and race

Sex, age, and race	September 1978								Average number of methods used	
	Thousands of persons		Methods used as a percent of total jobseekers							
	Total unemployed	Total job-seekers	Public employ-ment agency	Private employ-ment agency	Employer directly	Placed or answered ads	Friends or relatives	Other		
Total, 16 years and over.....	5,797	5,144	25.3	6.1	73.7	27.9	13.4	4.9	1.51	
16 to 19 years .....	1,512	1,429	17.1	3.5	80.9	23.5	10.4	3.4	1.39	
20 to 24 years .....	1,366	1,224	28.3	6.6	73.1	30.2	14.2	6.1	1.59	
25 to 34 years .....	1,311	1,156	30.9	8.4	70.0	32.1	15.2	4.6	1.61	
35 to 44 years .....	650	538	31.2	8.4	71.4	27.9	15.6	3.5	1.58	
45 to 54 years .....	521	435	25.1	5.7	66.9	24.8	13.1	5.5	1.41	
55 to 64 years .....	318	257	23.7	3.9	68.9	33.5	11.7	12.8	1.54	
65 years and over .....	118	104	13.5	2.9	77.9	16.3	19.2	2.9	1.33	
Males, 16 years and over.....	2,588	2,252	27.4	5.5	73.8	27.3	16.6	7.1	1.58	
16 to 19 years .....	713	676	17.5	3.6	81.1	22.8	14.8	4.6	1.44	
20 to 24 years .....	626	535	28.8	6.4	70.8	32.3	16.8	7.5	1.63	
25 to 34 years .....	520	437	38.7	9.6	71.9	31.1	19.2	7.6	1.78	
35 to 44 years .....	237	193	42.5	5.7	69.4	28.5	14.5	5.2	1.66	
45 to 54 years .....	262	213	26.8	3.3	64.8	23.5	20.2	9.9	1.48	
55 to 64 years .....	158	131	19.8	3.8	71.8	29.0	15.3	17.6	1.57	
65 years and over .....	73	67	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Females, 16 years and over.....	3,209	2,892	23.6	6.5	73.6	28.4	10.9	3.2	1.46	
16 to 19 years .....	799	753	16.7	3.5	80.7	24.2	6.2	2.3	1.34	
20 to 24 years .....	741	690	27.7	6.8	74.8	28.6	12.3	5.1	1.55	
25 to 34 years .....	791	718	26.2	7.8	68.9	32.7	12.8	2.8	1.51	
35 to 44 years .....	413	345	24.9	9.9	72.2	27.5	16.5	2.6	1.54	
45 to 54 years .....	260	222	23.4	8.1	68.9	25.7	6.3	1.4	1.34	
55 to 64 years .....	161	126	27.8	4.8	65.9	38.1	7.9	7.9	1.52	
65 years and over .....	45	37	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
White .....	4,478	3,939	22.2	6.0	75.2	28.8	12.9	4.8	1.50	
Males .....	2,022	1,748	24.3	5.4	75.8	27.7	15.6	7.0	1.56	
Females .....	2,456	2,191	20.5	6.4	74.8	29.7	10.8	3.1	1.45	
Black and other .....	1,318	1,205	35.3	6.2	68.9	25.0	14.9	5.2	1.56	
Males .....	566	504	38.3	14.9	67.3	26.0	20.2	7.5	1.74	
Females .....	752	700	33.3	6.7	70.1	24.3	11.1	3.6	1.49	

<sup>1</sup> Percent not shown where base is less than 75,000.

waiting to begin a new wage and salary job within 30 days are not actually seeking jobs. It should also be noted that the percent using each method will always total more than 100

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or

because many jobseekers use more than one method.

### A-16. Unemployed jobseekers by the jobsearch methods used, sex, and reason for unemployment

Sex and reason	September 1978								Average number of methods used	
	Thousands of persons		Methods used as a percent of total jobseekers							
	Total unemployed	Total job-seekers	Public employ-ment agency	Private employ-ment agency	Employer directly	Placed or answered ads	Friends or relatives	Other		
Total, 16 years and over .....	5,797	5,144	25.3	6.1	73.7	27.9	13.4	4.9	1.51	
Job losers .....	1,975	1,449	34.9	6.1	73.1	31.5	15.3	5.5	1.66	
Job leavers .....	982	964	24.4	7.4	76.2	30.4	14.2	2.4	1.55	
Reentrants .....	2,062	1,966	20.8	6.3	71.0	27.7	13.1	6.0	1.45	
New entrants .....	778	765	19.6	3.8	78.8	18.6	9.4	4.2	1.34	
Males, 16 years and over .....	2,588	2,252	27.4	5.5	73.8	27.3	16.6	7.1	1.58	
Job losers .....	1,158	876	34.6	6.3	73.3	29.3	15.4	7.2	1.66	
Job leavers .....	447	433	26.3	7.2	73.2	33.0	18.2	2.8	1.61	
Reentrants .....	684	650	21.4	3.7	72.9	26.2	17.7	11.2	1.53	
New entrants .....	300	293	20.8	4.4	78.5	15.4	15.7	4.4	1.39	
Females, 16 years and over .....	3,209	2,892	23.6	6.5	73.6	28.4	10.9	3.2	1.46	
Job losers .....	818	573	35.3	5.8	72.8	34.9	15.2	3.1	1.67	
Job leavers .....	534	531	22.8	7.5	78.7	28.4	11.1	2.1	1.51	
Reentrants .....	1,379	1,316	20.4	7.6	70.1	28.5	10.9	3.5	1.41	
New entrants .....	478	472	18.9	3.2	79.0	20.3	5.5	3.8	1.31	

NOTE: See note, table A-15.

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### A-17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Sept. 1977	Sept. 1978						
Total, 16 years and over .....	6,437	5,797	100.0	100.0	4,818	4,272	100.0	100.0
Less than 5 weeks .....	3,101	3,104	48.2	53.5	1,993	1,993	41.4	46.7
5 to 14 weeks .....	1,793	1,606	27.9	27.7	1,437	1,300	29.8	30.4
5 to 10 weeks .....	1,200	1,084	18.6	18.7	974	875	20.2	20.5
11 to 14 weeks .....	593	522	9.2	9.0	464	424	9.6	9.9
15 weeks and over .....	1,543	1,087	24.0	18.7	1,388	978	28.8	22.9
15 to 26 weeks .....	691	528	10.7	9.1	610	456	12.7	10.7
27 weeks and over .....	852	558	13.2	9.6	778	522	16.1	12.2
27 to 51 weeks .....	419	264	6.5	4.6	388	255	8.1	6.0
52 weeks and over .....	433	294	6.7	5.1	391	268	8.1	6.3
Average (mean) duration, in weeks .....	13.1	10.8	--	--	15.1	12.6	--	--
Median duration, in weeks .....	5.5	4.7	--	--	7.4	5.8	--	--

### A-18. Unemployed persons by duration, sex, age, race, and marital status

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group	15 weeks and over as a percent of unemployed in group
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over				
	September 1978					Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978
Total, 16 years and over .....	5,797	3,104	1,606	528	558	10.8	4.7	48.2	53.5
16 to 21 years .....	2,170	1,365	568	149	89	7.4	4.0	59.6	62.9
16 to 19 years .....	1,512	978	405	85	43	6.5	3.9	62.7	64.7
20 to 24 years .....	1,366	763	362	134	107	9.8	4.5	49.4	55.8
25 to 34 years .....	1,311	657	406	115	132	10.8	5.0	43.1	50.1
35 to 44 years .....	650	329	177	69	75	11.5	4.9	44.4	50.7
45 to 54 years .....	521	196	145	73	108	19.3	9.1	35.2	37.6
55 to 64 years .....	318	126	86	46	60	17.6	9.0	32.8	39.6
65 years and over .....	118	54	25	6	33	19.9	7.9	37.0	45.4
Males, 16 years and over .....	2,588	1,252	743	267	325	12.7	5.5	44.3	48.4
16 to 21 years .....	1,018	631	250	83	54	7.9	4.0	58.5	62.0
16 to 19 years .....	713	468	179	42	24	6.6	3.8	62.0	65.7
20 to 24 years .....	626	332	164	74	56	10.4	4.7	47.0	53.0
25 to 34 years .....	520	191	200	59	70	13.0	7.7	33.4	36.7
35 to 44 years .....	237	102	66	26	43	15.0	7.1	34.7	43.0
45 to 54 years .....	262	75	74	44	68	24.2	11.5	27.6	28.6
55 to 64 years .....	158	52	46	22	38	22.0	11.4	32.7	43.0
65 years and over .....	73	34	14	--	26	21.2	8.4	38.9	(1)
Females, 16 years and over .....	3,209	1,851	864	261	233	9.3	4.3	51.4	57.7
16 to 21 years .....	1,152	733	318	66	35	6.9	3.9	60.7	63.6
16 to 19 years .....	799	510	226	43	19	6.5	3.9	63.4	65.9
20 to 24 years .....	741	432	197	61	51	9.2	4.3	51.7	58.3
25 to 34 years .....	791	467	206	56	62	9.4	4.2	50.7	59.0
35 to 44 years .....	413	227	111	37	32	9.5	4.5	49.4	55.0
45 to 54 years .....	260	121	71	28	39	14.3	6.6	39.6	46.7
55 to 64 years .....	161	74	40	24	22	13.3	6.6	32.9	46.1
65 years and over .....	45	20	12	6	7	17.8	7.1	(1)	(1)
White .....	4,478	2,467	1,212	399	399	10.3	4.5	49.9	55.1
Males .....	2,022	1,019	580	191	232	12.0	5.0	46.3	50.4
Females .....	2,456	1,448	632	209	167	8.9	4.2	53.0	59.0
Black and other .....	1,318	636	394	129	159	12.8	5.5	42.2	48.3
Males .....	566	234	162	77	94	15.4	7.9	37.4	41.3
Females .....	752	403	232	52	66	10.9	4.7	46.0	53.5
Males:									
Married, spouse present .....	875	345	260	95	175	16.7	8.2	34.1	39.4
Widowed, divorced, or separated .....	249	110	71	29	40	15.9	6.3	37.2	44.1
Single (never married) .....	1,464	798	412	144	110	9.8	4.6	52.0	54.5
Females:									
Married, spouse present .....	1,444	832	380	137	95	8.8	4.3	52.2	57.6
Widowed, divorced, or separated .....	544	290	158	37	59	11.5	4.7	37.9	53.3
Single (never married) .....	1,221	729	326	87	79	9.0	4.2	56.5	59.7

<sup>1</sup> Percent not shown where base is less than 75,000.

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### A-19. Unemployed persons by duration, occupation, and industry of last job

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group	15 weeks and over as a percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over				Sept. 1977	Sept. 1978		
	September 1978											
<b>OCCUPATION</b>												
White-collar workers .....	1,861	1,021	483	181	176	10.7	4.6	47.4	54.9	24.9		
Professional and managerial .....	664	328	189	64	83	12.6	5.4	46.1	49.4	24.8		
Sales workers .....	245	130	62	35	19	10.6	4.7	45.5	53.0	29.1		
Clerical workers .....	952	564	233	82	73	9.3	4.2	48.6	59.2	24.0		
Blue-collar workers .....	1,998	993	558	210	237	12.2	5.1	45.3	49.7	27.3		
Craft and kindred workers .....	514	230	167	44	73	14.4	6.0	39.5	44.9	32.1		
Operatives, except transport .....	862	429	231	104	98	11.4	5.1	48.3	49.8	25.4		
Transport equipment operatives .....	150	75	43	15	18	12.8	5.0	40.8	50.0	23.6		
Nonfarm laborers .....	472	258	118	47	49	11.2	4.6	47.3	54.8	27.2		
Service workers .....	1,048	596	299	59	95	9.9	4.4	53.2	56.9	21.1		
<b>INDUSTRY<sup>1</sup></b>												
Agriculture .....	124	82	34	7	2	5.5	3.8	64.3	66.2	11.0		
Construction .....	438	241	121	37	39	10.5	4.5	40.3	55.1	31.5		
Manufacturing .....	1,091	523	291	149	128	12.5	5.6	44.4	47.9	27.7		
Durable goods .....	582	275	138	92	77	13.2	5.9	45.7	47.3	30.3		
Nondurable goods .....	509	248	153	57	51	11.6	5.4	42.8	48.6	24.6		
Transportation and public utilities .....	201	99	55	22	25	12.8	5.2	45.8	49.0	26.7		
Wholesale and retail trade .....	1,188	657	307	102	122	10.4	4.5	47.8	55.3	24.8		
Finance and service industries .....	1,647	910	486	102	148	10.4	4.5	50.6	55.3	23.0		
Public administration .....	211	107	51	27	26	12.3	4.9	53.9	50.7	19.9		
No previous work experience .....	779	427	232	73	47	9.5	4.6	48.9	54.8	18.8		
										15.4		

<sup>1</sup> Includes wage and salary workers only.

### A-20. Employed persons by sex and age

[In thousands]

Age and type of industry	Total		Males		Females	
	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978
<b>All industries</b>						
16 to 19 years .....	91,247	95,041	54,256	55,788	36,991	39,253
16 to 17 years .....	7,163	7,604	3,881	4,079	3,282	3,524
18 to 19 years .....	2,941	3,104	1,611	1,656	1,331	1,447
20 to 24 years .....	4,222	4,500	2,271	2,423	1,951	2,077
25 to 54 years .....	12,994	13,614	7,074	7,360	5,919	6,254
25 to 34 years .....	57,193	59,593	34,666	35,335	22,527	24,058
35 to 44 years .....	23,660	24,907	14,312	14,891	9,347	10,016
45 to 54 years .....	17,204	18,223	10,419	10,821	6,785	7,402
55 to 64 years .....	16,329	16,462	9,935	9,823	6,394	6,640
55 to 59 years .....	11,061	11,295	6,833	6,939	4,228	4,356
60 to 64 years .....	6,876	7,041	4,214	4,283	2,662	2,758
65 years and over .....	4,186	4,254	2,619	2,656	1,566	1,598
	2,835	2,936	1,801	1,875	1,034	1,060
<b>Nonagricultural industries</b>						
16 to 19 years .....	87,921	91,492	51,533	52,940	36,388	38,552
16 to 17 years .....	6,772	7,199	3,564	3,743	3,208	3,456
18 to 19 years .....	2,756	2,876	1,473	1,471	1,284	1,404
20 to 24 years .....	4,016	4,323	2,091	2,272	1,924	2,052
25 to 54 years .....	12,558	13,196	6,699	7,012	5,859	6,185
25 to 34 years .....	55,552	57,798	33,378	34,165	22,174	23,632
35 to 44 years .....	23,074	24,268	13,856	14,391	9,219	9,877
45 to 54 years .....	16,725	17,682	10,052	10,409	6,674	7,273
55 to 64 years .....	15,752	15,847	9,470	9,364	6,282	6,483
55 to 59 years .....	10,559	10,740	6,404	6,482	4,155	4,258
60 to 64 years .....	6,575	6,743	3,955	4,048	2,620	2,695
65 years and over .....	3,983	3,997	2,449	2,434	1,535	1,563
	2,481	2,560	1,489	1,539	993	1,021
<b>Agriculture</b>						
16 to 19 years .....	3,326	3,549	2,723	2,848	603	701
16 to 17 years .....	391	405	317	337	74	68
18 to 19 years .....	185	228	138	185	47	43
20 to 24 years .....	206	177	179	152	27	25
25 to 54 years .....	436	418	376	348	60	70
25 to 34 years .....	1,642	1,796	1,289	1,370	353	426
35 to 44 years .....	585	639	456	500	129	140
45 to 54 years .....	479	541	367	412	112	129
55 to 64 years .....	578	615	465	458	113	157
55 to 59 years .....	503	555	429	457	74	97
60 to 64 years .....	300	297	258	235	42	62
65 years and over .....	203	257	171	222	32	35
	354	376	313	337	41	39

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### A-21. Employed persons by occupation, sex, and age

(In thousands)

Occupation	Total		Males, 20 years and over		Females, 20 years and over		Males, 16-19 years		Females, 16-19 years	
	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978
<b>TOTAL</b>	91,247	95,041	50,374	51,709	33,709	35,728	3,881	4,079	3,282	3,524
<b>White-collar workers</b>	45,361	47,299	21,550	22,050	21,543	22,939	668	579	1,600	1,731
Professional and technical	13,873	14,204	7,826	8,090	5,921	5,980	62	66	65	68
Health workers	2,479	2,590	846	933	1,615	1,638	6	2	14	19
Teachers, except college	3,094	3,064	894	888	2,189	2,155	2	5	8	16
Other professional and technical	8,300	8,550	6,086	6,269	2,117	2,187	54	59	43	33
Managers and administrators, except farm	9,865	10,177	7,618	7,717	2,138	2,359	65	58	45	43
Salaried workers	7,898	8,373	6,120	6,311	1,680	1,965	58	54	40	43
Self-employed workers in retail trade	973	869	685	621	283	247	2	1	3	--
Self-employed workers, except retail trade	994	936	813	786	175	147	5	3	2	--
Sales workers	5,714	5,843	3,000	3,082	2,099	2,232	264	190	351	339
Retail trade	3,131	3,097	995	1,041	1,600	1,589	211	155	326	312
Other industries	2,583	2,746	2,005	2,041	499	643	53	35	25	28
Clerical workers	15,909	17,074	3,106	3,161	11,386	12,368	279	265	1,138	1,280
Stenographers, typists, and secretaries	4,468	4,723	61	66	4,049	4,287	10	2	347	369
Other clerical workers	11,441	12,351	3,045	3,095	7,337	8,081	269	263	791	911
<b>Blue-collar workers</b>	30,656	32,089	23,061	23,718	5,057	5,541	2,135	2,355	404	475
Craft and kindred workers	12,046	12,703	11,010	11,394	588	731	411	523	37	55
Carpenters	1,228	1,249	1,118	1,172	6	7	99	66	5	4
Construction craft, except carpenters	2,421	2,637	2,289	2,450	27	43	103	137	1	8
Mechanics and repairers	3,270	3,390	3,109	3,151	48	51	112	190	2	--
Metal craft	1,238	1,271	1,182	1,191	24	39	31	41	1	2
Blue-collar worker supervisors, not elsewhere classified	1,591	1,752	1,434	1,540	150	198	6	11	2	2
All other	2,297	2,403	1,878	1,891	334	394	60	78	26	41
Operatives, except transport	10,415	11,007	5,608	5,934	3,906	4,101	626	674	275	299
Durable goods manufacturing	4,717	4,984	2,940	3,061	1,479	1,578	221	242	76	104
Non durable goods manufacturing	3,345	3,590	1,246	1,423	1,838	1,903	127	125	134	139
Other industries	2,352	2,433	1,421	1,449	589	621	278	306	65	57
Transport equipment operatives	3,562	3,606	3,158	3,165	224	261	166	165	14	14
Drivers, motor vehicles	2,963	3,060	2,620	2,646	206	252	124	148	13	15
All other	599	546	538	519	18	10	42	17	1	--
Nonfarm laborers	4,633	4,773	3,284	3,226	3 <sup>a</sup> 8	448	932	993	78	106
Construction	834	942	692	748	9	22	128	168	5	4
Manufacturing	1,107	1,164	829	858	142	161	126	128	11	17
Other industries	2,691	2,667	1,764	1,620	187	265	678	697	62	85
Service workers	12,431	12,668	3,708	3,780	6,681	6,760	814	856	1,228	1,272
Private household workers	1,150	1,163	17	14	941	938	7	13	185	198
Service workers, except private household	11,281	11,505	3,691	3,766	5,740	5,821	807	844	1,043	1,074
Food service workers	4,251	4,230	749	724	2,228	2,213	521	530	753	763
Protective service workers	1,319	1,370	1,175	1,222	112	118	25	27	5	3
All other	5,711	5,905	1,767	1,820	3,400	3,490	261	287	285	308
<b>Farm workers</b>	2,798	2,985	2,056	2,160	428	489	264	289	51	47
Farmers and farm managers	1,458	1,527	1,352	1,360	9	157	17	8	--	2
Farm laborers and supervisors	1,340	1,458	704	801	3 <sup>a</sup> 8	32	248	281	51	45
Paid workers	1,061	1,167	676	769	149	145	199	221	37	33
Unpaid family workers	279	291	28	32	189	187	49	60	13	12

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### A-22. Employed persons by occupation, sex, and race

[Percent distribution]

Occupation and race	Total		Males		Females	
	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978
<b>TOTAL</b>						
Total employed (thousands) .....	91,247	95,041	54,256	55,788	36,991	39,253
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers .....	49.7	49.8	41.0	40.6	62.6	62.8
Professional and technical .....	15.2	14.9	14.5	14.6	16.2	15.4
Managers and administrators, except farm .....	10.3	10.7	14.2	13.9	5.9	6.1
Sales workers .....	6.3	6.1	6.0	5.9	6.6	6.5
Clerical workers .....	17.4	18.0	6.2	6.1	33.9	34.8
Blue-collar workers .....	33.6	33.8	46.4	46.7	14.8	15.3
Craft and kindred workers .....	13.2	13.4	21.1	21.4	1.7	2.0
Operatives, except transport .....	11.4	11.6	11.5	11.8	11.3	11.2
Transport equipment operatives .....	3.9	3.8	6.1	6.0	.6	.7
Nonfarm laborers .....	5.1	5.0	7.8	7.6	1.1	1.4
Service workers .....	13.6	13.3	8.3	8.3	21.4	20.5
Private household workers .....	1.5	1.2	(1)	(1)	3.0	2.9
Other service workers .....	12.4	12.1	8.3	8.3	18.3	17.6
Farm workers .....	3.1	3.1	4.3	4.4	1.3	1.4
Farmers and farm managers .....	1.6	1.6	2.5	2.5	.2	.4
Farm laborers and supervisors .....	1.5	1.5	1.8	1.9	1.1	1.0
<b>White</b>						
Total employed (thousands) .....	81,394	84,325	49,028	50,113	32,366	34,212
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers .....	51.5	51.4	42.5	42.1	65.0	65.1
Professional and technical .....	15.7	15.3	15.1	15.2	16.5	15.6
Managers and administrators, except farm .....	11.6	11.4	15.0	14.7	6.4	6.6
Sales workers .....	6.7	6.6	6.4	6.2	7.1	7.0
Clerical workers .....	17.6	18.1	6.1	6.0	35.0	35.8
Blue-collar workers .....	33.1	33.4	45.5	46.0	14.3	14.9
Craft and kindred workers .....	13.7	14.0	21.6	22.1	1.7	2.1
Operatives, except transport .....	11.0	11.1	11.1	11.4	10.8	10.6
Transport equipment operatives .....	3.7	3.6	5.7	5.6	.7	.7
Nonfarm laborers .....	4.7	4.7	7.0	6.9	1.1	1.4
Service workers .....	12.2	12.0	7.5	7.5	19.3	18.6
Private household workers .....	.9	.9	(1)	(1)	2.1	2.1
Other service workers .....	11.4	11.1	7.5	7.5	17.2	16.5
Farm workers .....	3.2	3.2	4.4	4.4	1.3	1.4
Farmers and farm managers .....	1.8	1.7	2.8	2.6	.3	.5
Farm laborers and supervisors .....	1.4	1.4	1.7	1.7	1.1	1.0
<b>Black and other</b>						
Total employed (thousands) .....	9,853	10,716	5,227	5,675	4,625	5,041
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers .....	35.1	36.8	26.2	27.0	45.2	47.9
Professional and technical .....	11.4	11.8	9.0	9.9	14.1	13.9
Managers and administrators, except farm .....	4.6	5.3	6.6	7.3	2.5	3.0
Sales workers .....	2.9	3.0	2.8	2.6	2.9	3.3
Clerical workers .....	16.2	16.8	7.8	7.2	25.6	27.6
Blue-collar workers .....	37.7	36.8	55.0	53.2	18.1	18.3
Craft and kindred workers .....	9.1	8.4	15.7	14.7	1.5	1.3
Operatives, except transport .....	15.0	15.5	14.8	15.9	15.2	15.1
Transport equipment operatives .....	5.3	5.1	9.7	9.2	.3	.6
Nonfarm laborers .....	8.4	7.8	14.8	13.5	1.1	1.4
Service workers .....	25.2	23.5	15.9	15.2	35.7	32.8
Private household workers .....	4.6	3.8	.1	.1	9.6	8.0
Other service workers .....	20.6	19.7	15.6	15.1	26.1	24.9
Farm workers .....	2.1	2.9	2.9	4.6	1.1	1.0
Farmers and farm managers .....	.2	.5	.4	.9	(1)	.1
Farm laborers and supervisors .....	1.9	2.4	2.6	3.7	1.1	.9

<sup>1</sup> Less than 0.05 percent.

## HOUSEHOLD DATA

### A-23. Employed persons by class of worker, age, and sex

[In thousands]

Age and sex	September 1978								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	84,854	1,373	15,259	68,222	6,175	463	1,555	1,680	315
16 to 19 years	7,088	274	471	6,342	95	16	303	29	72
16 to 17 years	2,813	200	140	2,472	54	9	171	12	45
18 to 19 years	4,275	74	331	3,871	41	7	132	17	27
20 to 24 years	12,819	111	1,598	11,109	352	25	287	104	27
25 to 34 years	22,760	169	4,399	18,192	1,421	87	338	259	42
35 to 44 years	16,114	172	3,352	12,590	1,434	134	201	295	46
45 to 54 years	14,430	208	3,146	11,076	1,305	112	188	357	70
55 to 64 years	9,604	258	1,993	7,353	1,077	59	149	363	42
55 to 59 years	6,082	135	1,286	4,661	620	42	82	188	28
60 to 64 years	3,522	123	706	2,693	458	17	67	175	15
65 years and over	2,040	181	301	1,559	490	30	88	273	15
Males, 16 years and over	48,451	184	7,643	40,624	4,464	25	1,258	1,499	92
16 to 19 years	3,671	69	191	3,411	63	9	254	23	60
16 to 17 years	1,433	50	58	1,325	34	4	138	12	35
18 to 19 years	2,239	19	133	2,086	29	4	116	11	25
20 to 24 years	6,771	21	671	6,079	234	6	234	99	15
25 to 34 years	13,377	13	2,195	11,169	1,014	--	274	220	6
35 to 44 years	9,356	14	1,677	7,665	1,053	--	148	261	3
45 to 54 years	8,411	11	1,665	6,734	951	2	138	316	4
55 to 64 years	5,685	28	1,079	4,578	795	2	128	330	--
55 to 59 years	3,576	16	682	2,879	472	--	67	168	--
60 to 64 years	2,109	13	397	1,699	323	2	61	162	--
65 years and over	1,179	28	164	987	354	5	82	251	4
Females, 16 years and over	36,403	1,189	7,616	27,599	1,710	438	297	181	223
16 to 19 years	3,416	205	280	2,931	32	8	49	7	12
16 to 17 years	1,380	150	83	1,147	20	5	33	--	10
18 to 19 years	2,037	55	197	1,784	12	3	16	7	2
20 to 24 years	6,048	91	927	5,030	118	19	53	5	11
25 to 34 years	9,383	156	2,204	7,023	407	87	64	40	36
35 to 44 years	6,758	158	1,674	4,925	381	134	52	34	44
45 to 54 years	6,019	197	1,481	4,342	354	110	50	41	66
55 to 64 years	3,919	230	914	2,775	283	57	22	33	43
55 to 59 years	2,506	119	605	1,782	147	42	15	19	28
60 to 64 years	1,413	110	309	993	135	15	6	14	15
65 years and over	861	153	136	572	136	24	7	22	10

### A-24. Employed persons by industry and occupation

[In thousands]

Industry	September 1978										
	Total employed	White-collar workers				Blue-collar workers				Service workers	
		Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers
Agriculture	3,549	72	25	9	104	48	17	55	232	--	3
Mining	849	116	79	7	104	234	237	47	20	--	5
Construction	6,459	165	731	24	434	3,613	289	231	942	--	29
Manufacturing	21,842	2,125	1,522	451	2,534	4,261	8,574	798	1,164	--	413
Durable goods	13,005	1,392	912	173	1,456	2,774	4,984	411	670	--	233
Nondurable goods	8,836	733	610	277	1,079	1,487	3,590	386	494	--	180
Transportation and public utilities	6,147	519	547	36	1,394	1,328	161	1,513	469	--	179
Wholesale and retail trade	18,988	375	3,614	3,902	3,380	1,429	911	713	1,201	--	3,463
Wholesale trade	3,570	127	754	805	730	313	168	385	265	--	22
Retail trade	15,418	248	2,860	3,097	2,650	1,116	743	328	936	--	3,441
Finance, insurance, and real estate	5,405	232	1,038	1,240	2,467	102	6	5	83	--	232
Services	26,835	9,663	1,961	171	4,881	1,381	758	190	506	1,163	6,161
Private households	1,406	16	2	--	3	3	1	9	151	1,163	59
Other service industries	25,429	9,647	1,959	171	4,878	1,378	757	181	355	--	6,102
Public administration	4,967	938	659	3	1,776	307	55	54	155	--	1,020

## HOUSEHOLD DATA

### A-25. Employed persons with a job but not at work by reason, pay status, and sex

[In thousands]

Reason not working	All industries		Nonagricultural industries					
			Total		Wage and salary workers <sup>1</sup>			
	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978	Sept. 1977	Sept. 1978
Total .....	4,586	4,609	4,449	4,464	2,233	2,353	1,748	1,670
Vacation .....	2,335	2,352	2,303	2,293	1,670	1,689	468	425
Illness .....	1,334	1,282	1,301	1,246	451	518	717	635
Bad weather .....	115	90	79	60	--	--	--	--
Industrial dispute .....	131	107	131	107	--	--	--	--
All other reasons .....	671	777	636	758	112	146	562	610
Males .....	2,727	2,621	2,608	2,501	1,448	1,460	888	795
Vacation .....	1,431	1,389	1,404	1,343	1,106	1,061	206	199
Illness .....	799	705	773	676	288	306	405	307
All other reasons <sup>3</sup> .....	498	527	432	483	54	92	277	289
Females .....	1,859	1,988	1,841	1,962	784	894	860	875
Vacation .....	904	963	899	950	564	628	262	226
Illness .....	536	577	528	570	162	212	313	327
All other reasons <sup>3</sup> .....	420	448	414	442	57	54	285	322

<sup>1</sup>Excludes private household.

<sup>3</sup>Includes bad weather and industrial dispute, not shown separately.

<sup>2</sup>Pay status not available separately for bad weather and industrial dispute; these categories are included in all other reasons.

### A-26. Persons at work by type of industry and hours of work

Hours of work	September 1978					
	Thousands of persons			Percent distribution		
	All industries	Nonagri-cultural industries	Agri-culture	All industries	Nonagri-cultural industries	Agri-culture
Total at work .....	90,432	87,028	3,404	100.0	100.0	100.0
1-34 hours .....	20,240	19,220	1,019	22.4	22.1	29.9
1-4 hours .....	793	726	67	.9	.8	2.0
5-14 hours .....	3,769	3,552	216	4.2	4.1	6.3
15-29 hours .....	10,153	9,639	514	11.2	11.1	15.1
30-34 hours .....	5,525	5,303	222	6.1	6.1	6.5
35 hours and over .....	70,192	67,807	2,385	77.6	77.9	70.1
35-39 hours .....	6,416	6,235	180	7.1	7.2	5.3
40 hours .....	37,529	37,018	511	41.5	42.5	15.0
41 hours and over .....	26,247	24,554	1,694	29.0	28.2	49.8
41 to 48 hours .....	10,405	10,141	264	11.5	11.7	7.8
49 to 59 hours .....	8,801	8,387	414	9.7	9.6	12.2
60 hours and over .....	7,041	6,026	1,016	7.8	6.9	29.8
Average hours, total at work .....	39.5	39.2	45.4	--	--	--
Average hours, workers on full-time schedules .....	43.7	43.4	54.1	--	--	--

## HOUSEHOLD DATA

### A-27. Persons at work 1 - 34 hours by usual status and reason for working less than 35 hours

[Numbers in thousands]

Reason for working less than 35 hours	September 1978					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total . . . . .	20,240	5,708	14,531	19,220	5,413	13,808
Economic reasons . . . . .	3,169	1,344	1,825	2,958	1,217	1,741
Slack work . . . . .	1,399	886	513	1,247	779	468
Material shortages or repairs to plant and equipment . . . . .	66	66	--	61	61	--
New job started during week . . . . .	282	282	--	266	266	--
Job terminated during week . . . . .	110	110	--	110	110	--
Could find only part-time work . . . . .	1,312	--	1,312	1,272	--	1,272
Other reasons . . . . .	17,072	4,366	12,706	16,262	4,195	12,067
Does not want, or unavailable for, full-time work . . . . .	10,531	--	10,531	10,044	--	10,044
Vacation . . . . .	811	811	--	796	796	--
Illness . . . . .	1,708	1,524	184	1,645	1,498	147
Bad weather . . . . .	432	432	--	363	363	--
Industrial dispute . . . . .	37	37	--	37	37	--
Legal or religious holiday . . . . .	66	66	--	66	66	--
Full time for this job . . . . .	1,418	--	1,418	1,384	--	1,384
All other reasons . . . . .	2,067	1,494	573	1,928	1,436	492
Average hours:						
Economic reasons . . . . .	21.5	23.7	19.8	21.5	23.8	19.9
Other reasons . . . . .	20.8	26.3	18.9	20.8	26.4	18.9
Worked 30 to 34 hours:						
Economic reasons . . . . .	900	538	362	849	498	351
Other reasons . . . . .	4,625	2,373	2,252	4,454	2,310	2,144

### A-28. Nonagricultural workers by industry and full- or part-time status

[Numbers in thousands]

Industry	September 1978							Average hours, total at work	Average hours, workers on full-time schedules		
	Total at work	Full- or part-time status				On full-time schedules					
		On part time for economic reasons	On voluntary part time	Total	40 hours or less	41 to 48 hours	49 hours or more				
Total <sup>1</sup> . . . . .	87,028	2,958	12,067	72,003	47,449	10,141	14,413	39.2	43.4		
Wage and salary workers . . . . .	80,775	2,675	10,945	67,155	45,381	9,609	12,165	39.0	42.9		
Construction . . . . .	5,052	272	266	4,514	3,183	572	759	39.6	41.8		
Manufacturing . . . . .	20,353	493	644	19,216	12,518	3,493	3,205	41.7	42.9		
Durable goods . . . . .	12,073	181	280	11,612	7,470	2,205	1,937	42.2	43.0		
Nondurable goods . . . . .	8,280	312	364	7,604	5,048	1,287	1,269	40.9	42.7		
Transportation and public utilities . . . . .	5,530	126	382	5,022	3,269	700	1,053	41.9	44.1		
Wholesale and retail trade . . . . .	16,349	726	4,140	11,483	7,004	1,909	2,570	36.7	43.8		
Finance, insurance, and real estate . . . . .	4,723	65	452	4,206	3,151	444	611	39.1	41.3		
Service industries . . . . .	23,287	921	4,839	17,527	12,502	1,907	3,118	36.7	42.6		
Private households . . . . .	1,317	204	687	426	301	35	90	23.6	44.3		
All other industries . . . . .	21,970	717	4,152	17,101	12,201	1,872	3,028	37.5	42.6		
Public administration . . . . .	4,699	66	209	4,424	3,334	463	627	40.7	42.2		
Self-employed workers . . . . .	5,790	264	946	4,580	1,927	506	2,147	43.0	49.6		
Unpaid family workers . . . . .	463	18	176	269	141	26	102	37.8	49.1		

<sup>1</sup> Includes mining not shown separately.

# HOUSEHOLD DATA

## A-29. Persons at work in nonagricultural industries by full- or part-time status, sex, age, race, and marital status

[Numbers in thousands]

Sex, age, race, and marital status	Total at work	On part time for economic reasons	On voluntary part time	September 1978			Average hours, total at work	Average hours workers on full-time schedules		
				On full-time schedules						
				Total	40 hours or less	41 hours or more				
<b>TOTAL</b>										
Both sexes, 16 years and over .....	87,028	2,958	12,067	72,003	47,449	24,554	39.2	43.4		
16 to 21 years .....	11,966	765	4,203	6,998	5,227	1,771	31.5	41.3		
16 to 19 years .....	7,013	478	3,367	3,168	2,422	746	27.8	40.6		
16 to 17 years .....	2,809	128	2,162	519	441	78	20.1	37.9		
18 to 19 years .....	4,204	351	1,205	2,648	1,980	668	33.0	41.2		
20 years and over .....	80,015	2,479	8,700	68,836	45,028	23,808	40.2	43.5		
20 to 24 years .....	12,713	647	1,631	10,435	7,381	3,054	38.2	42.2		
25 years and over .....	67,303	1,832	7,069	58,402	37,648	20,754	40.6	43.7		
25 to 44 years .....	40,145	1,104	3,593	35,448	22,371	13,077	41.2	43.9		
45 to 64 years .....	24,797	634	2,336	21,827	14,544	7,283	40.7	43.4		
65 years and over .....	2,360	94	1,140	1,126	732	394	29.8	44.1		
Males, 16 years and over .....	50,439	1,238	3,686	45,515	26,551	18,964	42.3	44.8		
16 to 21 years .....	6,262	360	1,947	3,955	2,690	1,265	33.4	42.4		
16 to 19 years .....	3,653	247	1,605	1,801	1,272	529	29.4	41.8		
16 to 17 years .....	1,436	66	1,078	292	234	58	20.9	39.1		
18 to 19 years .....	2,217	182	528	1,507	1,036	471	34.9	42.3		
20 years and over .....	46,786	990	2,081	43,715	25,282	18,433	43.3	44.9		
20 to 24 years .....	6,793	262	638	5,893	3,729	2,164	40.4	43.4		
25 years and over .....	39,993	727	1,444	37,822	21,554	16,268	43.8	45.2		
25 to 44 years .....	23,787	450	447	22,890	12,582	10,308	44.6	45.5		
45 to 64 years .....	14,805	227	375	14,203	8,516	5,687	43.8	44.7		
65 years and over .....	1,401	50	622	729	455	274	31.3	43.9		
Females, 16 years and over .....	36,590	1,720	8,381	26,489	20,898	5,591	35.0	40.9		
16 to 21 years .....	5,704	405	2,256	3,043	2,537	506	29.5	39.9		
16 to 19 years .....	3,360	231	1,762	1,367	1,150	217	26.1	39.2		
16 to 17 years .....	1,373	62	1,084	227	206	21	19.3	36.4		
18 to 19 years .....	1,987	168	677	1,142	946	196	30.8	39.7		
20 years and over .....	33,230	1,489	6,619	25,122	19,748	5,374	35.9	40.9		
20 to 24 years .....	5,920	385	993	4,542	3,653	889	35.8	40.6		
25 years and over .....	27,309	1,105	5,627	20,577	16,090	4,487	35.9	41.0		
25 to 44 years .....	16,359	653	3,146	12,560	9,792	2,768	36.1	40.9		
45 to 64 years .....	9,992	408	1,961	7,623	6,026	1,597	36.2	41.0		
65 years and over .....	959	44	519	396	276	120	27.7	44.3		
<b>RACE</b>										
White .....	77,251	2,393	11,008	63,850	40,992	22,858	39.4	43.6		
Males .....	45,347	1,013	3,382	40,952	23,198	17,754	42.6	45.1		
Females .....	31,904	1,380	7,626	22,898	17,794	5,104	34.9	41.0		
Black and other .....	9,777	565	1,059	8,153	6,457	1,696	37.7	41.4		
Males .....	5,091	224	304	4,563	3,354	1,209	40.0	42.4		
Females .....	4,686	341	755	3,590	3,103	487	35.3	40.0		
<b>MARITAL STATUS</b>										
Males:										
Married, spouse present .....	35,417	537	1,140	33,740	18,802	14,938	44.2	45.3		
Widowed, divorced, or separated .....	3,925	130	199	3,596	2,161	1,435	42.5	44.5		
Single (never married) .....	11,096	570	2,348	8,178	5,587	2,591	36.3	42.8		
Females:										
Married, spouse present .....	20,656	849	4,919	14,888	11,876	3,012	35.0	40.7		
Widowed, divorced, or separated .....	6,930	354	997	5,579	4,221	1,358	37.1	41.2		
Single (never married) .....	9,004	517	2,465	6,022	4,802	1,220	33.3	40.9		

## HOUSEHOLD DATA

### A-30. Persons at work in nonfarm occupations by full- or part-time status and sex

(Numbers in thousands)

Occupational group and sex	September 1978								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full- time schedules	
				Total	40 hours or less	41 to 48 hours			
<b>TOTAL</b>									
White-collar workers . . . . .	45,103	913	6,123	38,067	24,761	4,719	8,587	39.9	43.7
Professional and technical . . . . .	13,574	205	1,418	11,951	7,689	1,528	2,734	40.8	43.9
Managers and administrators, except farm . . . . .	9,733	89	387	9,257	4,226	1,302	3,729	46.5	47.9
Sales workers . . . . .	5,532	191	1,290	4,051	2,327	552	1,172	37.6	44.5
Clerical workers . . . . .	16,264	428	3,028	12,808	10,517	1,338	953	36.0	40.3
Blue-collar workers . . . . .	30,399	1,210	2,182	27,007	17,507	4,581	4,919	40.6	43.1
Craft and kindred workers . . . . .	12,133	347	468	11,318	7,100	1,889	2,329	41.9	43.4
Operatives, except transport . . . . .	10,329	446	572	9,311	6,411	1,701	1,199	40.3	42.3
Transport equipment operatives . . . . .	3,411	120	330	2,961	1,503	520	938	42.7	46.2
Nonfarm laborers . . . . .	4,526	296	812	3,418	2,494	471	453	35.9	41.7
Service workers . . . . .	12,050	868	3,887	7,295	5,373	887	1,035	33.1	42.4
Private household . . . . .	1,114	165	573	376	268	31	77	24.4	43.8
Other service workers . . . . .	10,936	702	3,314	6,920	5,107	856	957	34.0	42.3
<b>Males</b>									
White-collar workers . . . . .	21,634	231	1,312	20,091	10,515	2,817	6,759	44.4	46.3
Professional and technical . . . . .	7,789	77	428	7,284	4,250	964	2,070	43.5	45.2
Managers and administrators, except farm . . . . .	7,454	48	151	7,255	2,987	991	3,277	48.1	48.9
Sales workers . . . . .	3,146	49	330	2,767	1,353	424	990	42.8	46.0
Clerical workers . . . . .	3,244	56	403	2,785	1,925	438	422	39.3	42.7
Blue-collar workers . . . . .	24,752	839	1,500	22,413	13,994	3,885	4,534	41.3	43.6
Craft and kindred workers . . . . .	11,388	312	345	10,731	6,678	1,807	2,246	42.2	43.5
Operatives, except transport . . . . .	6,223	170	275	5,778	3,650	1,165	963	41.8	43.4
Transport equipment operatives . . . . .	3,147	94	207	2,846	1,430	508	908	43.8	46.3
Nonfarm laborers . . . . .	3,994	264	674	3,056	2,236	405	415	36.1	41.7
Service workers . . . . .	4,418	189	939	3,290	2,174	462	654	37.7	44.1
Private household . . . . .	26	5	12	9	6	--	3	20.5	42.8
Other service workers . . . . .	4,392	185	927	3,280	2,166	462	652	37.8	44.1
<b>Females</b>									
White-collar workers . . . . .	23,469	683	4,812	17,974	14,244	1,902	1,828	35.9	40.8
Professional and technical . . . . .	5,785	128	990	4,667	3,438	564	665	37.3	41.7
Managers and administrators, except farm . . . . .	2,279	40	236	2,003	1,241	311	451	41.3	44.3
Sales workers . . . . .	2,385	142	960	1,283	973	128	182	30.9	41.4
Clerical workers . . . . .	13,020	372	2,625	10,023	8,592	900	531	35.2	39.7
Blue-collar workers . . . . .	5,648	371	683	4,594	3,513	696	385	37.2	40.9
Craft and kindred workers . . . . .	746	36	123	587	423	82	82	37.0	41.6
Operatives, except transport . . . . .	4,105	276	297	3,532	2,761	536	235	38.0	40.5
Transport equipment operatives . . . . .	264	27	123	114	71	13	30	30.0	44.3
Nonfarm laborers . . . . .	532	32	139	361	257	66	38	34.5	41.6
Service workers . . . . .	7,632	679	2,948	4,005	3,199	425	381	30.4	40.9
Private household . . . . .	1,088	161	561	366	260	31	75	24.5	43.8
Other service workers . . . . .	6,544	519	2,386	3,639	2,940	393	306	31.4	40.7

## HOUSEHOLD DATA

### A-31. Employment status of 14-15 year-olds by sex and race

[Numbers in thousands]

Employment status	September 1978								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population . . . . .	8,120	4,134	3,985	6,804	3,473	3,331	1,315	661	654
Civilian labor force . . . . .	1,539	839	700	1,433	773	660	105	66	40
Employed . . . . .	1,315	687	629	1,268	653	616	47	34	13
Agriculture . . . . .	165	130	35	149	116	33	16	13	2
Nonagricultural industries . . . . .	1,150	557	593	1,119	536	583	31	21	11
Unemployed . . . . .	223	152	71	165	120	45	58	32	27
Unemployment rate . . . . .	14.5	18.1	10.1	11.5	15.5	6.8	55.2	(1)	(1)
Not in labor force . . . . .	6,581	3,296	3,285	5,371	2,700	2,671	1,210	595	614
Keeping house . . . . .	60	7	53	49	5	44	11	2	9
Going to school . . . . .	6,331	3,181	3,149	5,170	2,608	2,562	1,160	574	587
Unable to work . . . . .	8	4	4	6	4	2	2	--	2
All other reasons . . . . .	183	103	80	146	83	62	37	20	17

<sup>1</sup> Percent not shown where base is less than 75,000.

### A-32. Employed 14-15 year-olds by sex, class of worker, and occupation

Characteristics	September 1978					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
<b>CLASS OF WORKER</b>						
Total . . . . .	1,315	687	629	100.0	100.0	100.0
Nonagricultural industries . . . . .	1,150	557	593	87.5	81.1	94.1
Wage and salary workers . . . . .	1,062	491	571	80.8	71.5	90.6
Private household workers . . . . .	472	122	350	35.9	17.8	55.6
Government workers . . . . .	21	13	9	1.6	1.9	1.4
Other wage and salary workers . . . . .	569	356	212	43.3	51.8	33.7
Self-employed workers . . . . .	81	62	19	6.2	9.0	3.0
Unpaid family workers . . . . .	7	4	4	.5	.6	.6
Agriculture . . . . .	165	130	35	12.5	18.9	5.6
Wage and salary workers . . . . .	89	66	24	6.8	9.6	3.8
Self-employed workers . . . . .	35	28	7	2.7	4.1	1.1
Unpaid family workers . . . . .	41	36	5	3.1	5.2	.8
<b>OCCUPATION</b>						
Total . . . . .	1,315	687	629	100.0	100.0	100.0
White-collar workers . . . . .	281	186	95	21.4	27.0	15.1
Professional and technical . . . . .	10	1	9	.8	.1	1.4
Managers and administrators, except farm . . . . .	4	4	--	.3	.6	--
Sales workers . . . . .	222	171	52	16.9	24.9	8.3
Clerical workers . . . . .	45	11	35	3.4	1.6	5.6
Blue-collar workers . . . . .	280	244	35	21.3	35.5	5.6
Craft and kindred workers . . . . .	22	16	6	1.7	2.3	1.0
Operatives, except transport . . . . .	36	32	3	2.7	4.7	.5
Transport equipment operatives . . . . .	7	7	--	.5	1.0	--
Nonfarm laborers . . . . .	215	189	27	16.3	27.5	4.3
Service workers . . . . .	630	158	472	47.9	23.0	74.9
Private household workers . . . . .	372	30	342	28.3	4.4	54.3
Other service workers . . . . .	258	128	130	19.6	18.6	20.6
Farm workers . . . . .	125	98	26	9.5	14.2	4.1
Farmers and farm managers . . . . .	7	3	4	.5	.4	.6
Farm laborers and supervisors . . . . .	118	96	22	9.0	14.0	3.5

# HOUSEHOLD DATA SEASONALLY ADJUSTED

## A-33. Employment status of the noninstitutional population by sex and age, seasonally adjusted

[Numbers in thousands]

Employment status	1977				1978								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
<b>TOTAL</b>													
Total noninstitutional population <sup>1</sup> .....	159,114	159,334	159,522	159,736	159,937	160,128	160,313	160,504	160,713	160,928	161,148	161,348	161,570
Armed Forces <sup>1</sup> .....	2,131	2,134	2,132	2,129	2,121	2,124	2,122	2,118	2,113	2,098	2,116	2,122	2,123
Civilian noninstitutional population <sup>1</sup> .....	156,982	157,201	157,389	157,608	157,816	158,004	158,190	158,386	158,601	158,830	159,032	159,226	159,447
Civilian labor force.....	97,756	98,071	98,877	98,919	99,107	99,093	99,414	99,784	100,261	100,573	100,618	100,549	100,870
Percent of civilian population.....	62.3	62.4	62.8	62.8	62.8	62.7	62.8	63.0	63.2	63.3	63.3	63.1	63.3
Employed.....	91,088	91,383	92,214	92,609	92,881	93,003	93,266	93,801	94,112	94,819	94,425	94,581	94,868
Percent of total population.....	57.2	57.4	57.8	58.0	58.1	58.1	58.2	58.4	58.6	58.9	58.6	58.6	58.7
Agriculture.....	3,199	3,243	3,357	3,323	3,354	3,242	3,310	3,275	3,235	3,473	3,387	3,360	3,411
Nonagricultural industries.....	87,889	88,140	88,857	89,286	89,527	89,761	89,956	90,526	90,877	91,346	91,038	91,221	91,457
Unemployed.....	6,668	6,688	6663	6,310	6,226	6,090	6,148	5,983	6,149	5,754	6,193	5,968	6,002
Unemployment rate.....	6.8	6.8	6.7	6.4	6.3	6.1	6.2	6.0	6.1	5.7	6.2	5.9	6.0
Not in labor force.....	59,226	59,130	58,512	58,689	58,709	58,911	58,776	58,602	58,340	58,257	58,414	58,677	58,577
<b>Males, 20 years and over</b>													
Total noninstitutional population <sup>1</sup> .....	67,745	67,852	67,948	68,052	68,148	68,240	68,327	68,419	68,519	68,623	68,729	68,827	68,937
Civilian noninstitutional population <sup>1</sup> .....	66,056	66,161	66,257	66,364	66,467	66,556	66,645	66,740	66,845	66,947	67,039	67,127	67,236
Civilian labor force.....	52,366	52,739	52,971	53,122	53,153	53,142	53,242	53,263	53,414	53,522	53,391	53,306	53,387
Percent of civilian population.....	79.3	79.7	79.9	80.0	80.0	79.8	79.9	79.8	79.9	79.9	79.6	79.4	79.4
Employed.....	49,888	50,118	50,459	50,688	50,673	50,759	50,833	51,038	51,521	51,433	51,213	51,135	51,229
Percent of total population.....	73.6	73.9	74.3	74.5	74.4	74.4	74.4	74.6	74.7	75.0	74.5	74.3	74.3
Agriculture.....	2,320	2,326	2,330	2,346	2,394	2,283	2,289	2,295	2,328	2,437	2,420	2,358	2,422
Nonagricultural industries.....	47,568	47,792	48,129	48,342	48,279	48,476	48,544	48,743	48,854	48,996	48,793	48,777	48,807
Unemployed.....	2,478	2,621	2,512	2,434	2,480	2,383	2,409	2,225	2,232	2,089	2,178	2,171	2,158
Unemployment rate.....	4.7	5.0	4.7	4.6	4.7	4.5	4.5	4.2	4.2	3.9	4.1	4.1	4.0
Not in labor force.....	13,690	13,422	13,286	13,242	13,314	13,414	13,403	13,477	13,431	13,425	13,648	13,821	13,849
<b>Females, 20 years and over</b>													
Total noninstitutional population <sup>1</sup> .....	74,543	74,660	74,768	74,883	74,991	75,095	75,196	75,300	75,412	75,527	75,643	75,753	75,873
Civilian noninstitutional population <sup>1</sup> .....	74,444	74,561	74,669	74,783	74,892	74,996	75,093	75,198	75,310	75,422	75,537	75,645	75,764
Civilian labor force.....	36,203	35,984	36,451	36,418	36,595	36,654	36,849	37,117	37,264	37,439	37,542	37,461	37,953
Percent of civilian population.....	48.6	48.3	48.8	48.7	48.9	48.9	49.1	49.4	49.5	49.6	49.7	49.5	50.1
Employed.....	33,690	33,537	33,923	34,009	34,348	34,569	34,722	34,948	34,931	35,137	35,110	35,192	35,688
Percent of total population.....	45.2	44.9	45.4	45.4	45.8	46.0	46.2	46.4	46.3	46.5	46.4	46.5	47.0
Agriculture.....	496	525	589	543	517	604	628	623	527	623	587	579	592
Nonagricultural industries.....	33,194	33,012	33,334	33,466	33,831	33,965	34,094	34,325	34,404	34,514	34,523	34,613	35,096
Unemployed.....	2,513	2,447	2,528	2,409	2,247	2,085	2,127	2,169	2,333	2,302	2,432	2,269	2,265
Unemployment rate.....	6.9	6.8	6.9	6.6	6.1	5.7	5.8	5.8	6.3	6.1	6.5	6.1	6.0
Not in labor force.....	38,241	38,577	38,218	38,365	38,297	38,342	38,244	38,081	38,046	37,983	37,995	38,184	37,811
<b>Both sexes, 16-19 years</b>													
Total noninstitutional population <sup>1</sup> .....	16,825	16,822	16,806	16,802	16,798	16,794	16,790	16,785	16,782	16,779	16,776	16,768	16,760
Civilian noninstitutional population <sup>1</sup> .....	16,483	16,480	16,463	16,460	16,457	16,453	16,452	16,449	16,446	16,461	16,455	16,455	16,446
Civilian labor force.....	9,187	9,348	9,455	9,379	9,359	9,297	9,323	9,404	9,583	9,612	9,685	9,782	9,530
Percent of civilian population.....	55.7	56.7	57.4	57.0	56.9	56.5	56.7	57.2	58.3	58.4	59.4	57.9	57.9
Employed.....	7,510	7,728	7,832	7,912	7,860	7,675	7,711	7,815	7,999	8,249	8,102	8,254	7,951
Percent of total population.....	44.6	45.9	46.6	47.1	46.8	45.7	45.9	46.6	47.7	49.2	48.3	49.2	47.4
Agriculture.....	383	392	438	434	443	355	393	357	380	413	380	423	397
Nonagricultural industries.....	7,127	7,336	7,394	7,478	7,417	7,320	7,318	7,458	7,619	7,836	7,722	7,831	7,554
Unemployed.....	1,677	1,620	1,623	1,467	1,499	1,622	1,612	1,589	1,584	1,363	1,583	1,528	1,579
Unemployment rate.....	18.3	17.3	17.2	15.6	16.0	17.4	17.3	16.9	16.5	14.2	16.3	15.6	16.6
Not in labor force.....	7,296	7,132	7,008	7,081	7,098	7,156	7,129	7,045	6,863	6,849	6,770	6,673	6,916

<sup>1</sup> The population and Armed Forces figures are not adjusted for seasonal variations.

NOTE: Detail for the household data shown in tables A-33 through A-43 will not necessarily add to totals, because of the independent seasonal adjustment of the various series.

## A-34. Full- and part-time status of the civilian labor force, seasonally adjusted

[Numbers in thousands]

Full- and part-time employment status	1977				1978								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
<b>FULL TIME</b>													
Total, 16 years and over:													
Civilian labor force.....	83,229	83,534	83,908	83,996	84,375	84,449	84,537	84,819	84,972	86,062	86,020	86,012	85,804
Employed.....	77,893	78,147	78,693	79,058	79,484	79,658	79,818	80,261	80,222	81,551	81,113	81,287	81,071
Unemployed.....	5,336	5,387	5,215	4,938	4,891	4,791	4,719	4,558	4,750	4,511	4,907	4,725	4,733
Unemployment rate.....	6.4	6.4	6.2	5.9	5.8	5.7	5.6	5.4	5.6	5.2	5.7	5.5	5.5
<b>PART TIME</b>													
Total, 16 years and over:													
Civilian labor force.....	14,512	14,665	14,900	14,870	14,762	14,705	14,824	14,974	15,153	14,397	14,650	14,637	15,029
Employed.....	13,105	13,253	13,470	13,541	13,443	13,446	13,402	13,536	13,755	13,130	13,362	13,382	13,712
Unemployed.....	1,407	1,412	1,430	1,329	1,319	1,259	1,422	1,438	1,398	1,267	1,288	1,255	1,317
Unemployment rate.....	9.7	9.6	9.6	8.9	8.9	8.6	9.6	9.6	9.2	8.8	8.8	8.6	8.8

NOTE: Persons on part-time schedules for economic reasons are included in the full-time employed category; unemployed persons are allocated by whether seeking full- or part-time work.

HOUSEHOLD DATA  
SEASONALLY ADJUSTED

**A-35. Employment status by race, sex, and age, seasonally adjusted**

[Numbers in thousands]

Characteristics	1977				1978								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
<b>WHITE</b>													
Total, 16 years and over:													
Civilian labor force .....	86,407	86,812	87,292	87,193	87,425	87,360	87,532	87,945	88,209	88,623	88,521	88,672	88,813
Employed .....	81,203	81,614	82,181	82,391	82,650	82,697	82,880	83,386	83,590	84,270	83,862	84,042	84,141
Unemployed .....	5,204	5,198	5,111	4,802	4,775	4,663	4,652	4,559	4,619	4,353	4,659	4,630	4,672
Unemployment rate .....	6.0	6.0	5.9	5.5	5.5	5.3	5.3	5.2	5.2	4.9	5.3	5.2	5.3
Males, 20 years and over:													
Civilian labor force .....	47,008	47,278	47,417	47,507	47,440	47,441	47,528	47,555	47,670	47,818	47,727	47,711	47,666
Employed .....	45,033	45,220	45,452	45,592	45,546	45,599	45,643	45,859	45,942	46,175	46,009	45,994	45,925
Unemployed .....	1,975	2,058	1,965	1,915	1,894	1,842	1,885	1,696	1,728	1,643	1,718	1,717	1,741
Unemployment rate .....	4.2	4.4	4.1	4.0	4.0	3.9	4.0	3.6	3.6	3.4	3.6	3.6	3.7
Females, 20 years and over:													
Civilian labor force .....	31,171	31,162	31,445	31,381	31,612	31,615	31,701	31,985	32,027	32,260	32,348	32,205	32,624
Employed .....	29,244	29,268	29,536	29,545	29,875	30,021	30,149	30,345	30,307	30,540	30,536	30,486	30,908
Unemployed .....	1,927	1,894	1,909	1,836	1,737	1,594	1,552	1,640	1,720	1,720	1,812	1,719	1,716
Unemployment rate .....	6.2	6.1	6.1	5.9	5.5	5.0	4.9	5.1	5.4	5.3	5.6	5.3	5.3
Both sexes, 16 to 19 years:													
Civilian labor force .....	8,228	8,372	8,430	8,305	8,373	8,304	8,303	8,405	8,512	8,545	8,446	8,756	8,523
Employed .....	6,926	7,126	7,193	7,254	7,229	7,077	7,088	7,182	7,341	7,555	7,317	7,562	7,308
Unemployed .....	1,302	1,246	1,237	1,051	1,144	1,227	1,215	1,223	1,171	990	1,129	1,194	1,215
Unemployment rate .....	15.8	14.9	14.7	12.7	13.7	14.8	14.6	14.6	13.8	11.6	13.4	13.6	14.3
<b>BLACK AND OTHER</b>													
Total, 16 years and over:													
Civilian labor force .....	11,344	11,398	11,551	11,761	11,725	11,785	11,871	11,816	11,934	11,980	11,997	11,975	12,058
Employed .....	9,854	9,842	9,966	10,271	10,238	10,391	10,402	10,418	10,467	10,553	10,496	10,578	10,708
Unemployed .....	1,490	1,556	1,585	1,490	1,487	1,394	1,469	1,398	1,467	1,427	1,501	1,397	1,350
Unemployment rate .....	13.1	13.7	13.7	12.7	12.7	11.8	12.4	11.8	12.3	11.9	12.5	11.7	11.2
Males, 20 years and over:													
Civilian labor force .....	5,405	5,522	5,541	5,649	5,678	5,662	5,699	5,673	5,743	5,731	5,684	5,670	5,745
Employed .....	4,837	4,898	4,985	5,137	5,124	5,173	5,216	5,172	5,238	5,283	5,206	5,161	5,271
Unemployed .....	568	624	556	512	554	489	483	501	505	448	478	509	474
Unemployment rate .....	10.5	11.3	10.0	9.1	9.8	8.6	8.5	8.8	8.8	7.8	8.4	9.0	8.3
Females, 20 years and over:													
Civilian labor force .....	4,966	4,883	4,988	5,065	5,051	5,088	5,145	5,128	5,138	5,187	5,164	5,256	5,292
Employed .....	4,408	4,328	4,358	4,485	4,503	4,576	4,560	4,589	4,580	4,602	4,566	4,708	4,769
Unemployed .....	558	555	630	580	548	512	585	539	558	585	598	548	523
Unemployment rate .....	11.2	11.4	12.6	11.5	10.8	10.1	11.4	10.5	10.9	11.3	11.6	10.4	9.9
Both sexes, 16 to 19 years:													
Civilian labor force .....	973	993	1,022	1,047	996	1,035	1,027	1,015	1,053	1,062	1,149	1,049	1,021
Employed .....	609	616	623	649	611	642	626	657	649	668	724	709	668
Unemployed .....	364	377	399	398	385	393	401	358	404	394	425	340	353
Unemployment rate .....	37.4	38.0	39.0	38.0	38.7	38.0	39.0	35.3	38.4	37.1	37.0	32.4	34.6

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-36. Major unemployment indicators, seasonally adjusted**

[Unemployment rates]

Selected categories	1977				1978								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
<b>CHARACTERISTICS</b>													
Total (all civilian workers) .....	6.8	6.8	6.7	6.4	6.3	6.1	6.2	6.0	6.1	5.7	6.2	5.9	6.0
Males, 20 years and over .....	4.7	5.0	4.7	4.6	4.7	4.5	4.5	4.2	4.2	3.9	4.1	4.1	4.0
Females, 20 years and over .....	6.9	6.8	6.9	6.6	6.1	5.7	5.8	5.8	6.3	6.1	6.5	6.1	6.0
Both sexes, 16-19 years .....	18.3	17.3	17.2	15.6	16.0	17.4	17.3	16.9	16.5	14.2	16.3	15.6	16.6
White .....	6.0	6.0	5.9	5.5	5.5	5.3	5.3	5.2	5.2	4.9	5.3	5.2	5.3
Black and other .....	13.1	13.7	13.7	12.7	12.7	11.8	12.4	11.8	12.3	11.9	12.5	11.7	11.2
Married men, spouse present .....	3.3	3.6	3.3	3.2	2.9	2.9	3.0	2.8	2.9	2.7	2.7	2.8	2.7
Married women, spouse present .....	6.4	6.3	6.5	6.2	5.6	5.2	5.1	5.0	5.9	5.6	5.6	5.8	5.6
Women who head families .....	10.0	9.3	9.3	8.1	7.9	7.6	8.6	10.1	9.3	8.8	10.1	8.2	7.9
Full-time workers .....	6.4	6.4	6.2	5.9	5.8	5.7	5.6	5.4	5.6	5.2	5.7	5.5	5.5
Part-time workers .....	9.7	9.6	9.6	8.9	8.9	8.6	9.6	9.6	9.2	8.8	8.8	8.6	8.8
Unemployed 15 weeks and over <sup>1</sup> .....	1.9	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.4	1.2	1.3	1.2	1.3
Labor force time lost <sup>2</sup> .....	7.4	7.4	7.3	7.0	6.8	6.6	6.6	6.3	6.6	6.4	6.8	6.6	6.5
<b>OCCUPATION</b>													
White-collar workers .....	4.2	4.1	4.2	4.0	3.6	3.5	3.4	3.5	3.6	3.5	3.8	3.5	3.5
Professional and technical .....	3.0	3.0	2.9	2.8	2.7	2.5	2.6	2.5	2.4	2.4	2.5	2.6	2.7
Managers and administrators, except farm .....	2.5	2.6	3.0	2.5	2.5	1.9	2.3	2.0	2.0	1.8	2.2	1.8	2.2
Sales workers .....	5.1	5.0	4.9	4.7	3.9	4.3	4.3	4.3	4.4	4.4	4.4	4.2	4.4
Clerical workers .....	6.0	5.7	5.7	5.5	5.0	5.0	4.5	5.1	5.3	5.0	5.4	5.0	4.7
Blue-collar workers .....	7.8	8.0	7.6	7.2	7.1	7.1	7.1	6.5	6.6	6.5	6.9	7.0	7.0
Craft and kindred workers .....	5.1	5.4	5.2	5.2	5.4	5.0	5.1	4.3	4.3	4.2	4.0	4.4	4.7
Operatives, except transport .....	9.9	9.8	9.3	8.5	7.9	8.1	8.0	7.6	8.4	7.9	8.5	9.0	8.5
Transport equipment operatives .....	5.7	6.1	5.3	5.6	5.4	5.0	5.2	5.2	5.9	4.6	6.1	5.9	5.2
Nonfarm laborers .....	11.3	11.8	11.9	10.6	11.0	11.5	11.9	10.0	8.7	9.9	10.6	9.5	10.7
Service workers .....	7.9	8.1	7.8	7.8	7.6	7.1	7.7	7.7	7.6	7.2	7.5	7.1	7.4
Farm workers .....	4.7	4.4	4.1	3.9	3.9	4.7	4.7	3.1	3.6	3.0	3.8	3.3	4.0
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers <sup>3</sup> .....	6.8	6.9	6.7	6.3	6.2	6.1	6.0	5.9	5.9	5.6	6.0	5.9	5.9
Construction .....	10.4	12.1	11.2	10.8	11.7	11.5	11.3	9.5	9.2	9.3	9.5	9.1	10.7
Manufacturing .....	7.0	6.8	6.5	5.7	5.6	5.7	5.4	5.3	5.6	5.6	5.6	5.7	5.5
Durable goods .....	6.4	6.1	6.0	5.6	5.2	5.0	4.8	4.4	5.0	4.8	5.1	5.5	5.0
Nondurable goods .....	7.9	7.8	7.2	5.9	6.1	6.5	6.2	6.5	6.4	6.7	6.4	5.9	6.3
Transportation .....	4.8	4.8	4.7	4.9	4.3	3.2	3.7	3.7	3.8	3.7	4.1	3.8	3.6
Wholesale and retail trade .....	7.6	7.9	7.4	7.3	7.1	7.1	7.3	7.2	6.8	6.3	6.8	6.6	6.8
Finance and service industries .....	5.7	5.7	6.0	5.5	5.3	5.1	5.1	5.2	5.3	4.7	5.4	5.2	5.1
Government workers .....	4.1	4.1	4.3	4.3	4.2	3.5	3.7	3.8	4.1	4.0	4.1	3.6	3.8
Agricultural wage and salary workers .....	10.4	10.3	9.3	9.6	9.0	10.1	10.0	7.7	7.7	8.0	10.1	8.3	8.6

<sup>1</sup> Unemployment as a percent of civilian labor force.

as a percent of potentially available labor force hours.

<sup>2</sup> Aggregate hours lost by the unemployed and persons on part-time for economic reasons

<sup>3</sup> Includes mining, not shown separately.

**A-37. Unemployed persons by duration of unemployment, seasonally adjusted**

[Numbers In thousands]

Weeks of unemployment	1977				1978								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
<b>Duration</b>													
Less than 5 weeks .....	2,784	2,804	2,851	2,628	2,700	2,586	2,820	2,790	2,932	2,727	3,025	2,822	2,786
5 to 14 weeks .....	2,152	2,117	2,037	1,937	1,861	1,820	1,877	1,784	1,803	1,916	1,854	1,988	1,928
15 weeks and over .....	1,834	1,848	1,829	1,797	1,688	1,568	1,463	1,384	1,358	1,231	1,292	1,215	1,293
15 to 26 weeks .....	908	920	936	941	864	897	766	716	680	651	665	631	687
27 weeks and over .....	926	928	893	856	824	671	697	668	678	580	627	584	606
Average (mean) duration, in weeks .....	14.0	13.8	13.7	13.8	13.1	12.5	12.3	12.3	12.1	12.0	11.8	11.2	11.6
Median duration, in weeks .....	6.9	7.1	7.0	7.1	6.6	7.0	6.2	5.8	5.2	5.8	5.9	6.0	5.9
<b>Percent distribution</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	41.1	41.4	42.4	41.3	43.2	43.3	45.8	46.8	48.1	46.4	49.0	46.8	46.4
5 to 14 weeks .....	31.8	31.3	30.3	30.4	29.8	30.5	30.5	29.9	29.6	32.6	30.0	33.0	32.1
15 weeks and over .....	27.1	27.3	27.2	28.2	27.0	26.2	23.8	23.2	22.3	21.0	20.9	20.2	21.5
15 to 26 weeks .....	13.4	13.6	13.9	14.8	13.8	15.0	12.4	12.0	11.2	11.1	10.8	10.5	11.4
27 weeks and over .....	13.7	13.7	13.3	13.5	13.2	11.2	11.3	11.2	11.1	9.9	10.2	9.7	10.1

HOUSEHOLD DATA  
SEASONALLY ADJUSTED

**A-38. Rates of unemployment by sex and age, seasonally adjusted**

Sex and age	1977				1978								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total, 16 years and over . . . . .	6.8	6.8	6.7	6.4	6.3	6.1	6.2	6.0	6.1	5.7	6.2	5.9	6.0
16 to 19 years . . . . .	18.3	17.3	17.2	15.6	16.0	17.4	17.3	16.9	16.5	14.2	16.3	15.6	16.6
16 to 17 years . . . . .	19.8	18.8	19.0	17.8	18.2	20.8	20.4	19.9	19.3	16.7	20.1	18.9	19.2
18 to 19 years . . . . .	16.7	16.2	15.9	13.7	14.5	15.0	15.2	14.4	14.5	12.9	13.6	13.3	14.3
20 to 24 years . . . . .	10.7	10.4	10.4	10.2	10.5	10.1	10.3	10.0	9.0	9.2	9.9	9.0	9.3
25 years and over . . . . .	4.7	4.9	4.7	4.4	4.2	3.9	4.0	3.9	4.2	3.9	4.2	4.2	4.0
25 to 54 years . . . . .	4.8	5.1	4.8	4.6	4.3	4.1	4.2	4.1	4.5	4.1	4.4	4.4	4.2
55 years and over . . . . .	4.1	4.2	4.1	4.0	3.5	3.3	3.1	3.2	3.2	3.1	3.2	3.0	3.3
Males, 16 years and over . . . . .	5.9	6.0	5.8	5.5	5.6	5.6	5.6	5.2	5.1	4.7	5.1	5.0	5.1
16 to 19 years . . . . .	17.7	16.7	16.4	15.3	14.9	17.2	17.1	16.6	15.3	12.6	15.4	14.7	15.8
16 to 17 years . . . . .	19.2	18.6	18.2	16.7	17.2	21.1	21.0	19.9	18.4	16.1	18.8	17.7	19.1
18 to 19 years . . . . .	15.8	15.1	15.0	13.9	13.4	14.3	14.3	13.4	12.9	11.3	13.0	12.4	12.6
20 to 24 years . . . . .	10.4	9.9	9.8	9.8	10.5	10.3	10.1	9.1	7.9	8.1	8.9	8.7	8.6
25 years and over . . . . .	3.9	4.3	3.8	3.6	3.5	3.4	3.5	3.3	3.5	3.1	3.3	3.4	3.4
25 to 54 years . . . . .	3.8	4.3	3.9	3.6	3.6	3.4	3.5	3.3	3.6	3.2	3.3	3.5	3.4
55 years and over . . . . .	3.9	4.1	3.7	3.7	3.2	3.2	3.2	3.3	3.3	3.0	3.4	2.9	3.0
Females, 16 years and over . . . . .	8.2	8.0	8.1	7.6	7.3	6.9	7.0	7.0	7.5	7.2	7.7	7.2	7.2
16 to 19 years . . . . .	18.9	18.0	18.1	16.1	17.4	17.7	17.5	17.2	17.9	16.0	17.4	16.7	17.4
16 to 17 years . . . . .	20.6	19.1	20.1	19.2	19.5	20.4	19.6	19.9	20.3	17.4	21.6	20.3	19.3
18 to 19 years . . . . .	17.7	17.4	16.8	13.5	15.8	15.7	16.1	15.6	16.1	14.8	14.4	14.4	16.1
20 to 24 years . . . . .	11.0	11.0	11.1	10.8	10.5	9.8	10.4	11.0	10.3	10.4	11.0	9.2	10.1
25 years and over . . . . .	6.0	5.8	6.0	5.7	5.2	4.7	4.7	4.8	5.3	5.2	5.6	5.3	5.0
25 to 54 years . . . . .	6.4	6.2	6.3	6.0	5.5	5.1	5.2	5.2	5.8	5.6	6.0	5.8	5.3
55 years and over . . . . .	4.5	4.5	4.8	4.4	3.8	3.3	3.0	3.0	3.1	3.1	2.9	3.3	3.9

**A-39. Unemployed persons by reason for unemployment, seasonally adjusted**

[Numbers in thousands]

Reason for unemployment	1977				1978								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
<b>NUMBER OF UNEMPLOYED</b>													
Job losers . . . . .	3,055	3,035	2,969	2,748	2,698	2,540	2,493	2,475	2,577	2,340	2,552	2,553	2,397
On layoff . . . . .	847	840	780	687	768	709	660	593	683	606	714	770	719
Other job losers . . . . .	2,208	2,195	2,189	2,061	1,930	1,831	1,833	1,882	1,894	1,734	1,838	1,783	1,678
Job leavers . . . . .	869	876	881	877	856	898	862	872	819	849	869	841	852
Reentrants . . . . .	1,879	1,906	1,891	1,886	1,821	1,796	1,911	1,734	1,772	1,760	1,883	1,733	1,927
New entrants . . . . .	935	857	901	820	914	868	923	925	901	810	880	893	805
<b>PERCENT DISTRIBUTION</b>													
Total unemployed . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers . . . . .	45.3	45.5	44.7	43.4	42.9	41.6	40.3	41.2	42.5	40.6	41.3	42.4	40.1
On layoff . . . . .	12.6	12.6	11.7	10.9	12.2	11.6	10.7	9.9	11.3	10.5	11.5	12.8	12.0
Other job losers . . . . .	32.8	32.9	33.0	32.6	30.7	30.0	29.6	31.3	31.2	30.1	29.7	29.6	28.1
Job leavers . . . . .	12.9	13.1	13.3	13.9	13.6	14.7	13.9	14.5	13.5	14.7	14.1	14.0	14.2
Reentrants . . . . .	27.9	28.6	28.5	29.8	29.0	29.4	30.9	28.9	29.2	30.6	30.4	28.8	32.2
New entrants . . . . .	13.9	12.8	13.6	13.0	14.5	14.2	14.9	15.4	14.8	14.1	14.2	14.8	13.5
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers . . . . .	3.1	3.1	3.0	2.8	2.7	2.6	2.5	2.5	2.6	2.3	2.5	2.5	2.4
Job leavers . . . . .	.9	.9	.9	.9	.9	.9	.9	.9	.8	.8	.9	.8	.8
Reentrants . . . . .	1.9	1.9	1.9	1.9	1.8	1.8	1.9	1.7	1.8	1.7	1.9	1.7	1.9
New entrants . . . . .	1.0	.9	.9	.8	.9	.9	.9	.9	.9	.8	.9	.9	.8

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-40. Employed persons by sex and age, seasonally adjusted**

[In thousands]

Sex and age	1977				1978								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total, 16 years and over . . . . .	91,088	91,383	92,214	92,609	92,881	93,003	93,266	93,801	94,112	94,819	94,425	94,581	94,868
16 to 19 years . . . . .	7,510	7,728	7,832	7,912	7,860	7,675	7,711	7,815	7,999	8,249	8,102	8,254	7,951
16 to 17 years . . . . .	3,119	3,170	3,215	3,237	3,213	3,133	3,126	3,213	3,313	3,380	3,277	3,405	3,280
18 to 19 years . . . . .	4,445	4,563	4,610	4,664	4,657	4,585	4,575	4,636	4,678	4,832	4,749	4,839	4,723
20 to 24 years . . . . .	13,023	13,018	13,055	13,139	13,183	13,201	13,220	13,403	13,473	13,596	13,485	13,597	13,651
25 years and over . . . . .	70,559	70,691	71,309	71,551	71,914	72,176	72,315	72,561	72,580	72,954	72,855	72,637	73,250
25 to 54 years . . . . .	56,770	56,831	57,255	57,530	57,910	58,222	58,325	58,477	58,388	58,723	58,742	58,648	59,155
55 years and over . . . . .	13,759	13,905	14,006	14,039	14,003	13,984	13,984	14,108	14,099	14,268	14,116	14,068	14,088
Males, 16 years and over . . . . .	53,964	54,341	54,745	55,012	54,975	54,897	55,013	55,208	55,446	55,869	55,534	55,529	55,504
16 to 19 years . . . . .	4,076	4,223	4,286	4,324	4,302	4,138	4,180	4,170	4,264	4,436	4,321	4,394	4,275
16 to 17 years . . . . .	1,721	1,767	1,809	1,825	1,788	1,709	1,746	1,727	1,800	1,820	1,753	1,834	1,766
18 to 19 years . . . . .	2,392	2,455	2,473	2,492	2,514	2,461	2,436	2,483	2,447	2,580	2,519	2,567	2,544
20 to 24 years . . . . .	7,057	7,139	7,142	7,172	7,135	7,139	7,207	7,324	7,381	7,406	7,304	7,355	7,348
25 years and over . . . . .	42,843	43,004	43,320	43,530	43,557	43,649	43,611	43,708	43,781	44,024	43,881	43,718	43,872
25 to 54 years . . . . .	34,336	34,394	34,617	34,828	34,931	34,996	34,982	35,060	35,051	35,162	35,159	35,011	35,192
55 years and over . . . . .	8,500	8,633	8,698	8,734	8,649	8,637	8,653	8,663	8,702	8,835	8,724	8,709	8,675
Females, 16 years and over . . . . .	37,124	37,042	37,469	37,597	37,906	38,106	38,253	38,593	38,666	38,950	38,891	39,052	39,364
16 to 19 years . . . . .	3,434	3,505	3,546	3,588	3,558	3,537	3,531	3,645	3,735	3,813	3,781	3,860	3,676
16 to 17 years . . . . .	1,398	1,403	1,406	1,412	1,425	1,424	1,380	1,486	1,513	1,560	1,524	1,571	1,514
18 to 19 years . . . . .	2,053	2,108	2,137	2,172	2,143	2,124	2,139	2,153	2,231	2,525	2,230	2,272	2,179
20 to 24 years . . . . .	5,966	5,879	5,913	5,967	6,048	6,062	6,013	6,079	6,092	6,190	6,181	6,242	6,303
25 years and over . . . . .	27,716	27,687	27,989	28,021	28,357	28,527	28,704	28,853	28,799	28,930	28,974	28,919	29,378
25 to 54 years . . . . .	22,434	22,437	22,638	22,702	22,979	23,226	23,343	23,417	23,337	23,561	23,583	23,637	23,963
55 years and over . . . . .	5,259	5,272	5,308	5,305	5,354	5,347	5,331	5,445	5,397	5,433	5,392	5,359	5,413

**A-41. Unemployed persons by sex and age, seasonally adjusted**

[In thousands]

Sex and age	1977				1978								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total, 16 years and over . . . . .	6,668	6,688	6,663	6,310	6,226	6,090	6,148	5,983	6,149	5,754	6,193	5,968	6,002
16 to 19 years . . . . .	1,677	1,620	1,623	1,467	1,499	1,622	1,612	1,589	1,584	1,363	1,583	1,528	1,579
16 to 17 years . . . . .	771	736	756	701	717	821	799	798	792	678	826	795	779
18 to 19 years . . . . .	892	879	871	740	791	806	817	782	793	718	750	744	785
20 to 24 years . . . . .	1,553	1,515	1,519	1,499	1,547	1,477	1,513	1,488	1,332	1,373	1,477	1,338	1,400
25 years and over . . . . .	3,502	3,641	3,493	3,319	3,155	2,941	2,987	2,933	3,195	2,997	3,201	3,156	3,081
25 to 54 years . . . . .	2,887	3,037	2,909	2,772	2,632	2,476	2,561	2,490	2,745	2,538	2,692	2,723	2,572
55 years and over . . . . .	588	615	605	585	503	470	449	463	467	449	467	441	487
Males, 16 years and over . . . . .	3,354	3,469	3,352	3,213	3,232	3,245	3,271	3,056	3,001	2,728	2,965	2,926	2,961
16 to 19 years . . . . .	876	848	840	779	752	862	862	831	769	639c	787	755	803
16 to 17 years . . . . .	408	404	403	365	371	457	463	429	406	350	406	395	416
18 to 19 years . . . . .	450	435	438	401	389	410	408	384	364	328	376	362	368
20 to 24 years . . . . .	819	788	777	775	840	816	812	736	632	657	715	705	692
25 years and over . . . . .	1,724	1,929	1,714	1,640	1,601	1,519	1,562	1,491	1,589	1,424	1,492	1,529	1,523
25 to 54 years . . . . .	1,360	1,556	1,392	1,315	1,297	1,238	1,283	1,196	1,297	1,144	1,189	1,278	1,241
55 years and over . . . . .	342	369	337	339	289	285	284	297	295	275	306	256	269
Females, 16 years and over . . . . .	3,314	3,219	3,311	3,097	2,994	2,845	2,877	2,927	3,148	3,026	3,228	3,042	3,041
16 to 19 years . . . . .	801	772	783	688	747	760	750	758	815	724	796	773	776
16 to 17 years . . . . .	363	332	353	336	346	364	336	369	386	328	420	400	363
18 to 19 years . . . . .	442	444	433	339	402	396	409	398	429	390	374	382	417
20 to 24 years . . . . .	734	727	742	724	707	661	701	752	700	716	762	633	708
25 years and over . . . . .	1,778	1,712	1,779	1,679	1,554	1,422	1,425	1,442	1,606	1,573	1,709	1,627	1,558
25 to 54 years . . . . .	1,527	1,481	1,517	1,457	1,335	1,238	1,278	1,294	1,448	1,394	1,503	1,445	1,331
55 years and over . . . . .	246	246	268	246	214	185	165	166	172	174	161	185	218

C=corrected.

HOUSEHOLD DATA  
SEASONALLY ADJUSTED

**A-42. Employed persons by selected social and economic categories, seasonally adjusted**

{In thousands}

Selected categories	1977					1978							
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
<b>CHARACTERISTICS</b>													
Total, 16 years and over .....	91,088	91,383	92,214	92,609	92,881	93,003	93,266	93,801	94,112	94,819	94,425	94,581	94,868
Married men, spouse present .....	38,338	38,425	38,531	38,682	38,645	38,666	38,465	38,628	38,626	38,711	38,642	38,467	38,726
Married women, spouse present .....	21,185	21,119	21,278	21,416	21,638	21,738	21,674	21,847	21,694	21,718	21,766	21,667	22,175
<b>OCCUPATION</b>													
White-collar workers .....	45,493	46,083	46,251	46,316	46,547	46,555	46,835	46,789	46,895	47,209	47,192	47,236	47,455
Professional and technical .....	13,778	14,042	13,918	13,981	14,057	14,016	14,060	14,158	14,399	14,365	14,239	14,255	14,105
Managers and administrators, except farm .....	9,747	9,911	9,894	9,939	10,067	10,134	10,169	10,212	9,933	10,107	10,182	10,174	10,056
Sales workers .....	5,741	5,718	5,804	5,796	5,913	5,811	5,985	5,861	5,911	5,931	6,017	5,872	5,872
Clerical workers .....	16,227	16,412	16,635	16,600	16,510	16,594	16,621	16,558	16,652	16,806	16,754	16,935	17,422
Blue-collar workers .....	30,324	30,247	30,603	30,807	30,942	31,198	31,039	31,655	31,544	31,683	31,225	31,482	31,738
Craft and kindred workers .....	11,992	11,860	12,116	12,153	12,111	12,220	12,169	12,302	12,218	12,467	12,229	12,559	12,640
Operatives, except transport .....	10,239	10,320	10,423	10,424	10,755	10,738	10,766	10,974	10,846	11,006	10,841	10,702	10,823
Transport equipment operatives .....	3,533	3,457	3,525	3,555	3,432	3,643	3,541	3,560	3,534	3,512	3,452	3,404	3,577
Nonfarm laborers .....	4,560	4,610	4,539	4,675	4,644	4,597	4,563	4,819	4,946	4,698	4,703	4,817	4,698
Service workers .....	12,556	12,473	12,590	12,617	12,704	12,703	12,572	12,830	12,883	12,993	12,838	12,884	12,799
Farm workers .....	2,695	2,755	2,809	2,805	2,872	2,769	2,788	2,687	2,698	2,895	2,802	2,809	2,874
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>													
Agriculture:													
Wage and salary workers .....	1,339	1,387	1,405	1,405	1,387	1,345	1,389	1,408	1,434	1,482	1,364	1,423	1,442
Self-employed workers .....	1,572	1,577	1,590	1,605	1,604	1,587	1,527	1,539	1,573	1,669	1,652	1,617	1,655
Unpaid family workers .....	272	305	368	346	342	314	389	283	255	336	348	317	298
Nonagricultural industries:													
Wage and salary workers .....	81,363	81,727	82,281	82,692	82,915	83,078	83,124	83,648	84,049	84,513	84,016	84,406	84,842
Government .....	15,304	15,463	15,415	15,422	15,267	15,237	15,154	15,305	15,203	15,224	15,129	15,282	15,413
Private industries .....	66,059	66,264	66,866	67,270	67,648	67,841	67,970	68,343	68,846	69,289	68,887	69,124	69,429
Private households .....	1,403	1,358	1,403	1,436	1,421	1,383	1,293	1,388	1,393	1,368	1,394	1,369	1,370
Other industries .....	64,656	64,906	65,463	65,834	66,227	66,458	66,677	66,955	67,453	67,921	67,493	67,755	68,059
Self-employed workers .....	6,084	6,080	6,082	6,182	6,259	6,268	6,427	6,467	6,288	6,198	6,206	6,221	6,200
Unpaid family workers .....	505	460	467	442	439	488	500	506	520	468	496	440	471
<b>PERSONS AT WORK<sup>1</sup></b>													
Nonagricultural industries .....	82,783	82,788	83,347	83,662	83,304	84,054	84,285	86,043	85,528	86,051	86,205	86,469	86,310
Full-time schedules .....	67,817	67,827	68,240	68,574	68,812	69,215	69,417	70,550	70,157	70,861	71,095	71,338	70,939
Part-time for economic reasons .....	3,306	3,263	3,285	3,220	2,986	3,193	3,164	3,327	3,243	3,458	3,330	3,294	3,231
Usually work full time .....	1,244	1,237	1,255	1,247	1,043	1,128	1,226	1,224	1,211	1,433	1,385	1,391	1,311
Usually work part time .....	2,062	2,026	2,030	1,973	1,943	2,065	1,938	2,103	2,032	2,025	1,945	1,903	1,920
Part time for noneconomic reasons .....	11,660	11,698	11,822	11,868	11,506	11,646	11,704	12,166	12,128	11,732	11,780	11,837	12,140

<sup>1</sup> Excludes persons "with a job but not at work" during the survey period for such reasons as vacation, illness, or industrial dispute.

## HOUSEHOLD DATA

### A-43. Employment status of male Vietnam-Era veterans and nonveterans 20 to 39 years of age

[Numbers in thousands]

Employment status	Not seasonally adjusted			Seasonally adjusted					
	Sept. 1977	Aug. 1978	Sept. 1978	Sept. 1977	May 1978	June 1978	July 1978	Aug. 1978	Sept. 1978
<b>VETERANS<sup>1</sup></b>									
<b>Total, 20 to 34 years:</b>									
Civilian noninstitutional population <sup>2</sup> .....	6,815	6,461	6,440	6,815	6,528	6,505	6,482	6,461	6,440
Civilian labor force .....	6,494	6,202	6,101	6,523	6,160	6,191	6,148	6,175	6,103
Employed .....	6,095	5,868	5,856	6,040	5,912	5,923	5,834	5,786	5,801
Unemployed .....	399	334	245	483	248	268	314	389	302
Unemployment rate .....	6.1	5.4	4.0	7.4	4.0	4.3	5.1	6.3	4.9
<b>20 to 24 years:</b>									
Civilian noninstitutional population <sup>2</sup> .....	1,036	736	722	1,036	784	768	751	736	722
Civilian labor force .....	929	684	623	938	681	684	686	671	622
Employed .....	774	598	566	761	634	620	608	578	557
Unemployed .....	155	86	57	177	47	64	78	93	65
Unemployment rate .....	16.7	12.6	9.1	18.9	6.9	9.4	11.4	13.9	10.5
<b>25 to 29 years:</b>									
Civilian noninstitutional population <sup>2</sup> .....	2,960	2,297	2,256	2,960	2,417	2,377	2,337	2,297	2,256
Civilian labor force .....	2,814	2,177	2,134	2,836	2,281	2,262	2,185	2,172	2,157
Employed .....	2,676	2,034	2,010	2,662	2,155	2,143	2,045	2,014	2,000
Unemployed .....	138	143	124	174	126	119	140	158	157
Unemployment rate .....	4.9	6.6	5.8	6.1	5.5	5.3	6.4	7.3	7.3
<b>30 to 34 years:</b>									
Civilian noninstitutional population <sup>2</sup> .....	2,819	3,428	3,462	2,819	3,327	3,360	3,394	3,428	3,462
Civilian labor force .....	2,751	3,341	3,344	2,749	3,198	3,245	3,277	3,332	3,324
Employed .....	2,645	3,236	3,280	2,617	3,123	3,160	3,181	3,194	3,244
Unemployed .....	106	105	64	132	75	85	96	138	80
Unemployment rate .....	3.9	3.1	1.9	4.8	2.3	2.6	2.9	4.1	2.4
<b>35 to 39 years:</b>									
Civilian noninstitutional population <sup>2</sup> .....	688	1,167	1,199	688	1,081	1,104	1,135	1,167	1,199
Civilian labor force .....	667	1,117	1,157	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Employed .....	654	1,086	1,122	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Unemployed .....	13	31	35	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Unemployment rate .....	1.9	2.8	3.0	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>NONVETERANS</b>									
<b>Total, 20 to 34 years:</b>									
Civilian noninstitutional population <sup>2</sup> .....	17,781	18,583	18,654	17,781	18,387	18,459	18,518	18,583	18,654
Civilian labor force .....	15,953	17,293	16,912	15,961	16,687	16,714	16,753	16,771	16,885
Employed .....	14,961	16,383	16,058	14,824	15,710	15,789	15,772	15,806	15,909
Unemployed .....	992	910	854	1,137	977	925	981	965	976
Unemployment rate .....	6.2	5.3	5.0	7.1	5.9	5.5	5.9	5.8	5.8
<b>20 to 24 years:</b>									
Civilian noninstitutional population <sup>2</sup> .....	8,204	8,417	8,426	8,204	8,381	8,398	8,413	8,417	8,426
Civilian labor force .....	6,886	7,617	7,136	6,955	7,148	7,176	7,111	7,168	7,200
Employed .....	6,301	7,073	6,608	6,299	6,596	6,611	6,512	6,586	6,608
Unemployed .....	585	544	528	656	552	565	599	582	592
Unemployment rate .....	8.5	7.1	7.4	9.4	7.7	7.9	8.4	8.1	8.2
<b>25 to 29 years:</b>									
Civilian noninstitutional population <sup>2</sup> .....	5,404	6,172	6,227	5,404	6,015	6,069	6,116	6,172	6,227
Civilian labor force .....	5,080	5,888	5,938	5,034	5,679	5,729	5,834	5,845	5,869
Employed .....	4,824	5,626	5,725	4,739	5,404	5,511	5,579	5,565	5,624
Unemployed .....	256	262	213	295	275	218	255	280	245
Unemployment rate .....	5.0	4.4	3.6	5.9	4.8	3.8	4.4	4.8	4.2
<b>30 to 34 years:</b>									
Civilian noninstitutional population <sup>2</sup> .....	4,173	3,994	4,001	4,173	3,991	3,992	3,989	3,994	4,001
Civilian labor force .....	3,987	3,788	3,838	3,972	3,860	3,809	3,808	3,758	3,816
Employed .....	3,836	3,684	3,725	3,786	3,710	3,667	3,681	3,655	3,677
Unemployed .....	151	104	113	186	150	142	127	103	139
Unemployment rate .....	3.8	2.7	2.9	4.7	3.9	3.7	3.3	2.7	3.6
<b>35 to 39 years:</b>									
Civilian noninstitutional population <sup>2</sup> .....	3,518	3,635	3,645	3,518	3,559	3,605	3,623	3,635	3,645
Civilian labor force .....	3,365	3,483	3,488	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Employed .....	3,275	3,386	3,420	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Unemployed .....	90	97	68	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Unemployment rate .....	2.7	2.8	1.9	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

<sup>1</sup> Vietnam-Era veterans are those who served between August 5, 1964, and May 7, 1975. N.A. = not available.

<sup>2</sup> Since seasonal variations are not present in the population figures, identical numbers appear in the unadjusted and seasonally adjusted columns.

HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES

**A-44. Employment status of the noninstitutional population by sex, age, and race, seasonally adjusted**

[Numbers in thousands]

Employment status	1975		1976				1977				1978		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
<b>TOTAL</b>													
Total noninstitutional population <sup>1</sup> .....	153,820	154,477	155,115	155,717	156,368	156,990	157,582	158,223	158,898	159,531	160,126	160,715	161,355
Armed Forces <sup>1</sup> .....	2,180	2,159	2,144	2,141	2,144	2,147	2,136	2,130	2,135	2,132	2,122	2,110	2,120
Civilian noninstitutional population <sup>1</sup> .....	151,640	152,319	152,971	153,576	154,224	154,843	155,446	156,094	156,764	157,399	158,004	158,605	159,235
Civilian labor force .....	92,896	93,050	93,782	94,503	95,158	95,625	96,221	97,153	97,559	98,622	99,205	100,206	100,679
Percent of civilian population .....	61.3	61.1	61.3	61.5	61.7	61.8	61.9	62.2	62.2	62.7	62.8	63.2	63.2
Employed .....	84,999	85,321	86,558	87,392	87,795	88,182	89,059	90,264	90,823	92,069	93,050	94,244	94,625
Percent of total population .....	55.3	55.2	55.8	56.1	56.1	56.2	56.5	57.0	57.2	57.7	58.1	58.6	58.6
Agriculture .....	3,442	3,308	3,289	3,328	3,314	3,256	3,155	3,307	3,210	3,308	3,302	3,328	3,386
Nonagricultural industries .....	81,557	82,014	83,268	84,064	84,481	84,926	85,905	86,957	87,613	88,761	89,748	90,916	91,239
Unemployed .....	7,898	7,729	7,224	7,111	7,363	7,443	7,161	6,889	6,736	6,554	6,155	5,962	6,054
Unemployment rate .....	8.5	8.3	7.7	7.5	7.7	7.8	7.4	7.1	6.9	6.6	6.2	5.9	6.0
<b>Males, 20 years and over</b>													
Total noninstitutional population <sup>1</sup> .....	65,238	65,543	65,827	66,090	66,385	66,711	67,023	67,321	67,641	67,951	68,238	68,520	68,831
Civilian noninstitutional population <sup>1</sup> .....	63,510	63,828	64,139	64,400	64,690	65,014	65,338	65,635	65,949	66,261	66,556	66,844	67,134
Civilian labor force .....	50,988	50,955	51,121	51,423	51,621	51,917	52,140	52,310	52,395	52,944	53,179	53,400	53,361
Percent of civilian population .....	80.3	79.8	79.7	79.8	79.8	79.9	79.8	79.7	79.4	79.9	79.9	79.9	79.5
Employed .....	47,495	47,558	48,087	48,455	48,595	48,791	49,147	49,591	49,801	50,422	50,755	51,218	51,192
Percent of total population .....	72.8	72.6	73.1	73.3	73.2	73.1	73.3	73.7	73.6	74.2	74.4	74.7	74.4
Agriculture .....	2,436	2,378	2,361	2,405	2,369	2,295	2,247	2,333	2,314	2,334	2,322	2,353	2,400
Nonagricultural industries .....	45,059	45,180	45,726	46,050	46,226	46,497	46,899	47,259	47,487	48,088	48,433	48,864	48,792
Unemployed .....	3,493	3,397	3,034	2,968	3,026	3,125	2,994	2,719	2,594	2,522	2,424	2,182	2,169
Unemployment rate .....	6.8	6.7	5.9	5.8	5.9	6.0	5.7	5.2	5.0	4.8	4.6	4.1	4.1
<b>Females, 20 years and over</b>													
Total noninstitutional population <sup>1</sup> .....	71,904	72,214	72,535	72,839	73,169	73,468	73,746	74,079	74,429	74,770	75,094	75,413	75,756
Civilian noninstitutional population <sup>1</sup> .....	71,831	72,140	72,456	72,754	73,080	73,378	73,653	73,984	74,331	74,671	74,994	75,310	75,649
Civilian labor force .....	33,086	33,312	33,770	34,096	34,501	34,729	35,037	35,589	35,836	36,284	36,699	37,273	37,652
Percent of civilian population .....	46.1	46.2	46.6	46.9	47.2	47.3	47.6	48.1	48.2	48.6	48.9	49.5	49.8
Employed .....	30,474	30,701	31,281	31,638	31,869	32,130	32,549	33,094	33,338	33,823	34,546	35,005	35,330
Percent of total population .....	42.4	42.5	43.1	43.4	43.6	43.7	44.1	44.7	44.8	45.2	46.0	46.4	46.6
Unemployed .....	2,612	2,611	2,489	2,458	2,633	2,599	2,488	2,495	2,498	2,461	2,153	2,268	2,322
Unemployment rate .....	7.9	7.8	7.4	7.2	7.6	7.5	7.1	7.0	7.0	6.8	5.9	6.1	6.2
<b>Both sexes, 16-19 years</b>													
Total noninstitutional population <sup>1</sup> .....	16,679	16,720	16,754	16,788	16,815	16,811	16,813	16,823	16,828	16,810	16,794	16,782	16,768
Civilian noninstitutional population <sup>1</sup> .....	16,298	16,351	16,376	16,422	16,454	16,451	16,454	16,475	16,484	16,468	16,454	16,452	16,452
Civilian labor force .....	8,822	8,783	8,890	8,984	9,035	8,979	9,044	9,253	9,328	9,394	9,326	9,533	9,666
Percent of civilian population .....	54.1	53.7	54.3	54.7	54.9	54.6	55.0	56.2	56.6	57.0	56.7	57.9	58.8
Employed .....	7,029	7,063	7,190	7,300	7,331	7,260	7,364	7,579	7,684	7,824	7,749	8,021	8,102
Percent of total population .....	42.1	42.2	42.9	43.5	43.6	43.2	43.8	45.0	45.7	46.5	46.1	47.8	48.3
Unemployed .....	1,793	1,720	1,701	1,685	1,704	1,718	1,680	1,675	1,643	1,570	1,578	1,512	1,563
Unemployment rate .....	20.3	19.6	19.1	18.8	18.9	19.1	18.6	18.1	17.6	16.7	16.9	15.9	16.2
<b>White</b>													
Total noninstitutional population <sup>1</sup> .....	135,585	136,104	136,611	137,087	137,602	138,105	138,574	139,084	139,620	140,107	140,568	141,028	141,526
Civilian noninstitutional population <sup>1</sup> .....	133,764	134,301	134,822	135,303	135,823	136,326	136,812	137,333	137,870	138,364	138,839	139,323	139,822
Civilian labor force .....	82,365	82,444	82,983	83,613	84,281	84,629	85,113	85,927	86,222	87,099	87,439	88,259	88,669
Percent of civilian population .....	61.6	61.4	61.5	61.8	62.1	62.1	62.2	62.6	62.5	62.9	63.0	63.3	63.4
Employed .....	75,903	76,154	77,206	77,923	78,305	78,639	79,403	80,492	80,998	82,062	82,742	83,749	84,015
Percent of total population .....	56.0	56.0	56.5	56.8	56.9	56.9	57.3	57.9	58.0	58.6	58.9	59.4	59.4
Unemployed .....	6,462	6,290	5,777	5,690	5,976	5,994	5,710	5,435	5,225	5,037	4,697	4,510	4,654
Unemployment rate .....	7.8	7.6	7.0	6.8	7.1	7.1	6.7	6.3	6.1	5.8	5.4	5.1	5.2
<b>Black and other</b>													
Total noninstitutional population <sup>1</sup> .....	18,235	18,374	18,504	18,631	18,766	18,885	19,008	19,139	19,279	19,424	19,557	19,687	19,829
Civilian noninstitutional population <sup>1</sup> .....	17,876	18,017	18,148	18,273	18,401	18,517	18,634	18,761	18,894	19,035	19,164	19,282	19,413
Civilian labor force .....	10,608	10,658	10,773	10,854	10,904	11,047	11,109	11,195	11,320	11,570	11,794	11,910	12,010
Percent of civilian population .....	59.3	59.2	59.4	59.4	59.3	59.7	59.6	59.7	59.9	60.8	61.5	61.8	61.9
Employed .....	9,115	9,187	9,353	9,452	9,478	9,570	9,681	9,764	9,784	10,026	10,344	10,479	10,594
Percent of total population .....	50.0	50.0	50.5	50.7	50.5	50.7	50.9	51.0	50.7	51.6	52.9	53.2	53.4
Unemployed .....	1,493	1,471	1,421	1,402	1,427	1,477	1,428	1,432	1,536	1,544	1,450	1,431	1,416
Unemployment rate .....	14.1	13.8	13.2	12.9	13.1	13.4	12.9	12.8	13.6	13.3	12.3	12.0	11.8

<sup>1</sup> The population and Armed Forces figures are not adjusted for seasonal variations.

NOTE: Detail for the household data shown in tables A-44 through A-53 and A-67 will not necessarily add to totals, because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA**  
**SEASONALLY ADJUSTED**  
**QUARTERLY AVERAGES**

**A-45. Full- and part-time status of the civilian labor force by sex and age, seasonally adjusted**

[Numbers in thousands]

Full- and part-time employment status, sex, and age	1975		1976				1977				1978		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
<b>FULL TIME</b>													
Total, 16 years and over:													
Civilian labor force .....	79,211	79,615	80,087	80,601	81,020	81,616	81,971	82,734	83,236	83,813	84,454	85,284	85,945
Employed <sup>1</sup> .....	72,658	73,248	74,296	74,867	75,063	75,585	76,347	77,294	77,812	78,633	79,653	80,678	81,157
Unemployed .....	6,552	6,367	5,791	5,734	5,957	6,031	5,623	5,440	5,424	5,180	4,800	4,606	4,788
Unemployment rate .....	8.3	8.0	7.2	7.1	7.4	7.4	6.9	6.6	6.5	6.2	5.7	5.4	5.6
Males, 20 years and over:													
Civilian labor force .....	48,455	48,493	48,535	48,811	49,156	49,342	49,409	49,608	49,764	50,196	50,410	50,642	50,726
Employed <sup>1</sup> .....	45,108	45,286	45,790	46,080	46,270	46,416	46,710	47,115	47,307	47,870	48,230	48,643	48,693
Unemployed .....	3,348	3,207	2,745	2,731	2,886	2,926	2,699	2,493	2,457	2,326	2,180	2,000	2,034
Unemployment rate .....	6.9	6.6	5.7	5.6	5.9	5.9	5.5	5.0	4.9	4.6	4.3	3.9	4.0
Females, 20 years and over:													
Civilian labor force .....	25,953	26,327	26,649	26,891	27,019	27,388	27,625	28,023	28,339	28,526	29,013	29,344	29,816
Employed <sup>1</sup> .....	23,817	24,173	24,602	24,897	24,913	25,267	25,646	26,021	26,289	26,548	27,263	27,557	27,936
Unemployed .....	2,137	2,154	2,046	1,994	2,106	2,122	1,979	2,003	2,050	1,978	1,750	1,787	1,880
Unemployment rate .....	8.2	8.2	7.7	7.4	7.8	7.7	7.2	7.1	7.2	6.9	6.0	6.1	6.3
Both sexes, 16-19 years:													
Civilian labor force .....	4,802	4,795	4,903	4,898	4,846	4,885	4,937	5,103	5,133	5,091	5,031	5,298	5,403
Employed <sup>1</sup> .....	3,734	3,789	3,904	3,889	3,880	3,902	3,991	4,159	4,216	4,214	4,160	4,478	4,529
Unemployed .....	1,068	1,006	999	1,009	966	983	946	944	917	876	870	820	875
Unemployment rate .....	22.2	21.0	20.4	20.6	19.9	20.1	19.2	18.5	17.9	17.2	17.3	15.5	16.2
<b>PART TIME</b>													
Total, 16 years and over:													
Civilian labor force .....	13,806	13,493	13,689	13,870	14,232	14,042	14,259	14,361	14,371	14,812	14,764	14,841	14,772
Employed <sup>1</sup> .....	12,400	12,089	12,294	12,492	12,780	12,609	12,755	12,905	13,026	13,421	13,430	13,474	13,485
Unemployed .....	1,406	1,404	1,394	1,378	1,452	1,433	1,504	1,455	1,345	1,390	1,333	1,368	1,287
Unemployment rate .....	10.2	10.4	10.2	9.9	10.2	10.2	10.5	10.1	9.4	9.4	9.0	9.2	8.7
Males, 20 years and over:													
Civilian labor force .....	2,642	2,509	2,535	2,587	2,546	2,603	2,688	2,669	2,704	2,768	2,744	2,726	2,683
Employed <sup>1</sup> .....	2,412	2,281	2,308	2,350	2,331	2,385	2,452	2,439	2,507	2,558	2,546	2,541	2,499
Unemployed .....	230	228	228	238	215	218	236	229	197	210	198	185	184
Unemployment rate .....	8.7	9.1	9.0	9.2	8.4	8.4	8.8	8.6	7.3	7.6	7.2	6.8	6.9
Females, 20 years and over:													
Civilian labor force .....	7,133	6,999	7,170	7,170	7,471	7,349	7,456	7,535	7,467	7,768	7,733	7,895	7,809
Employed <sup>1</sup> .....	6,665	6,533	6,720	6,711	6,955	6,864	6,941	7,045	7,026	7,276	7,324	7,411	7,376
Unemployed .....	468	467	450	459	516	485	516	490	441	491	409	484	433
Unemployment rate .....	6.6	6.7	6.3	6.4	6.9	6.6	6.9	6.5	5.9	6.3	5.3	6.1	5.5
Both sexes, 16-19 years:													
Civilian labor force .....	4,031	3,985	3,983	4,113	4,215	4,090	4,115	4,157	4,201	4,276	4,287	4,220	4,280
Employed <sup>1</sup> .....	3,323	3,276	3,267	3,432	3,494	3,360	3,362	3,421	3,494	3,587	3,561	3,522	3,610
Unemployed .....	709	709	717	681	721	730	752	736	707	689	726	698	670
Unemployment rate .....	17.6	17.8	18.0	16.6	17.1	17.8	18.3	17.7	16.8	16.1	16.9	16.5	15.7

<sup>1</sup> Persons on part-time schedules for economic reasons are included in the full-time employed category; unemployed persons are allocated by whether seeking full- or part-time work.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-46. Employment status by race, sex, and age, seasonally adjusted**

[Numbers in thousands]

Characteristics	1975		1976				1977				1978		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
<b>WHITE</b>													
Total, 16 years and over:													
Civilian labor force .....	82,365	82,444	82,983	83,613	84,281	84,629	85,113	85,927	86,222	87,099	87,439	88,259	88,669
Employed .....	75,903	76,154	77,206	77,923	78,305	78,635	79,403	80,492	80,998	82,062	82,742	83,749	84,015
Unemployed .....	6,462	6,290	5,777	5,690	5,976	5,994	5,710	5,435	5,225	5,037	4,697	4,510	4,654
Unemployment rate .....	7.8	7.6	7.0	6.8	7.1	7.1	6.7	6.3	6.1	5.8	5.4	5.1	5.2
Males, 20 years and over:													
Civilian labor force .....	45,764	45,699	45,801	46,078	46,326	46,514	46,586	46,813	46,972	47,401	47,470	47,681	47,701
Employed .....	42,836	42,908	43,389	43,664	43,783	43,967	44,189	44,619	44,918	45,421	45,596	45,992	45,976
Unemployed .....	2,928	2,791	2,412	2,414	2,543	2,547	2,396	2,194	2,054	1,979	1,874	1,689	1,725
Unemployment rate .....	6.4	6.1	5.3	5.2	5.5	5.5	5.1	4.7	4.4	4.2	3.9	3.5	3.6
Females, 20 years and over:													
Civilian labor force .....	28,698	28,903	29,239	29,477	29,846	30,066	30,355	30,777	30,947	31,329	31,643	32,091	32,392
Employed .....	26,612	26,784	27,246	27,528	27,764	27,995	28,397	28,864	29,017	29,450	30,015	30,397	30,643
Unemployed .....	2,085	2,119	1,992	1,949	2,082	2,071	1,958	1,914	1,930	1,880	1,628	1,693	1,749
Unemployment rate .....	7.3	7.3	6.8	6.6	7.0	6.9	6.4	6.2	6.2	6.0	5.1	5.3	5.4
Both sexes, 16 to 19 years:													
Civilian labor force .....	7,904	7,842	7,943	8,057	8,109	8,049	8,172	8,337	8,303	8,369	8,327	8,487	8,575
Employed .....	6,455	6,462	6,571	6,731	6,758	6,673	6,816	7,009	7,063	7,191	7,131	7,359	7,396
Unemployed .....	1,449	1,380	1,373	1,327	1,351	1,376	1,356	1,327	1,240	1,178	1,195	1,128	1,179
Unemployment rate .....	18.3	17.6	17.3	16.5	16.7	17.1	16.6	15.9	14.9	14.1	14.4	13.3	13.7
<b>BLACK AND OTHER</b>													
Total, 16 years and over:													
Civilian labor force .....	10,608	10,658	10,773	10,854	10,904	11,047	11,109	11,195	11,320	11,570	11,794	11,910	12,010
Employed .....	9,115	9,187	9,353	9,452	9,478	9,570	9,681	9,764	9,784	10,026	10,344	10,479	10,594
Unemployed .....	1,493	1,471	1,421	1,402	1,427	1,477	1,428	1,432	1,536	1,544	1,450	1,431	1,416
Unemployment rate .....	14.1	13.8	13.2	12.9	13.1	13.4	12.9	12.8	13.6	13.3	12.3	12.0	11.8
Males, 20 years and over:													
Civilian labor force .....	5,304	5,288	5,252	5,349	5,357	5,431	5,497	5,500	5,462	5,571	5,680	5,716	5,700
Employed .....	4,661	4,655	4,685	4,804	4,808	4,830	4,956	4,984	4,871	5,007	5,171	5,231	5,213
Unemployed .....	644	633	567	545	549	601	542	516	591	564	509	485	487
Unemployment rate .....	12.1	12.0	10.8	10.2	10.3	11.1	9.9	9.4	10.8	10.1	9.0	8.5	8.5
Females, 20 years and over:													
Civilian labor force .....	4,370	4,433	4,570	4,583	4,626	4,685	4,719	4,781	4,856	4,979	5,095	5,151	5,237
Employed .....	3,857	3,932	4,055	4,086	4,092	4,150	4,167	4,214	4,304	4,390	4,546	4,590	4,681
Unemployed .....	513	501	515	497	534	536	552	567	552	588	548	561	556
Unemployment rate .....	11.7	11.3	11.3	10.9	11.5	11.4	11.7	11.9	11.4	11.8	10.8	10.9	10.6
Both sexes, 16 to 19 years:													
Civilian labor force .....	933	937	951	922	922	930	893	915	1,002	1,021	1,019	1,043	1,073
Employed .....	597	600	613	562	578	590	558	566	609	629	626	658	700
Unemployed .....	337	336	338	360	343	340	335	349	393	391	393	385	373
Unemployment rate .....	36.1	35.9	35.5	39.0	37.3	36.5	37.5	38.2	39.2	38.3	38.6	36.9	34.8

**HOUSEHOLD DATA**  
**SEASONALLY ADJUSTED**  
**QUARTERLY AVERAGES**

**A-47. Major unemployment indicators, seasonally adjusted**

[Unemployment rates]

Selected categories	1975		1976				1977				1978		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
	<b>CHARACTERISTICS</b>												
Total (all civilian workers) .....	8.5	8.3	7.7	7.5	7.7	7.8	7.4	7.1	6.9	6.6	6.2	5.9	6.0
Males, 20 years and over .....	6.8	6.7	5.9	5.8	5.9	6.0	5.7	5.2	5.0	4.8	4.6	4.1	4.1
Females, 20 years and over .....	7.9	7.8	7.4	7.2	7.6	7.5	7.1	7.0	7.0	6.8	5.9	6.1	6.2
Both sexes, 16-19 years .....	20.3	19.6	19.1	18.8	18.9	19.1	18.6	18.1	17.6	16.7	16.9	15.9	16.2
White .....	7.8	7.6	7.0	6.8	7.1	7.1	6.7	6.3	6.1	5.8	5.4	5.1	5.2
Black and other .....	14.1	13.8	13.2	12.9	13.1	13.4	12.9	12.8	13.6	13.3	12.3	12.0	11.8
Married men, spouse present .....	5.3	5.0	4.2	4.2	4.3	4.3	3.9	3.6	3.4	3.4	2.9	2.8	2.7
Married women, spouse present .....	7.6	7.4	7.0	6.9	7.4	7.2	6.7	6.6	6.5	6.3	5.3	5.5	5.6
Women who head families .....	10.0	10.3	9.9	9.5	10.4	10.2	9.4	9.3	9.8	8.9	8.0	9.4	8.7
Full-time workers .....	8.3	8.0	7.2	7.1	7.4	7.4	6.9	6.6	6.5	6.2	5.7	5.4	5.6
Part-time workers .....	10.2	10.4	10.2	9.9	10.2	10.2	10.5	10.1	9.4	9.4	9.0	9.2	8.7
Unemployed 15 weeks and over <sup>1</sup> .....	3.1	3.0	2.7	2.3	2.4	2.5	2.2	1.9	1.9	1.9	1.6	1.3	1.3
Labor force time lost <sup>2</sup> .....	9.1	8.9	8.3	8.1	8.3	8.4	8.0	7.5	7.5	7.2	6.7	6.4	6.6
<b>OCCUPATION</b>													
White-collar workers .....	4.7	4.8	4.6	4.6	4.7	4.6	4.6	4.3	4.2	4.1	3.5	3.6	3.6
Professional and technical .....	3.3	3.3	3.3	3.1	3.1	3.3	3.2	3.0	2.9	2.9	2.6	2.4	2.6
Managers and administrators, except farm .....	3.1	3.0	2.9	3.0	3.4	3.1	3.1	2.8	2.5	2.7	2.2	2.0	2.1
Sales workers .....	5.6	6.0	5.4	5.1	5.6	5.4	5.6	5.3	5.2	4.9	4.2	4.4	4.3
Clerical workers .....	6.6	6.6	6.2	6.5	6.6	6.2	6.2	5.8	5.7	5.7	4.8	5.2	5.0
Blue-collar workers .....	12.0	11.0	9.4	9.2	9.7	9.5	8.6	7.9	8.1	7.6	7.1	6.5	7.0
Craft and kindred workers .....	8.7	7.9	6.9	6.8	7.0	6.8	6.3	5.4	5.4	5.3	5.1	4.3	4.4
Operatives, except transport .....	14.7	13.1	10.6	10.6	11.1	11.1	9.5	9.3	9.9	9.2	8.0	8.0	8.7
Transport equipment operatives .....	9.1	8.9	8.0	7.0	7.9	7.9	7.3	6.5	6.8	5.7	5.2	5.3	5.7
Nonfarm laborers .....	16.0	15.4	13.8	13.3	14.2	13.5	13.0	12.1	11.5	11.4	11.4	9.5	10.3
Service workers .....	8.9	8.8	8.9	8.4	8.6	9.1	8.4	8.5	8.0	7.9	7.5	7.5	7.3
Farm workers .....	3.6	4.0	4.1	4.4	4.2	5.1	5.4	4.7	4.3	4.1	4.4	3.3	3.7
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers <sup>3</sup> .....	9.3	8.9	8.0	7.7	8.0	8.0	7.5	7.1	6.9	6.6	6.1	5.8	5.9
Construction .....	19.0	17.5	15.8	15.3	16.3	14.9	14.8	12.4	11.2	11.3	11.5	9.3	9.8
Manufacturing .....	11.1	9.9	7.9	7.7	7.9	8.0	7.0	6.5	6.9	6.3	5.5	5.5	5.6
Durable goods .....	11.8	10.2	8.0	7.6	7.4	7.6	6.6	5.9	6.3	5.9	5.0	4.7	5.2
Nondurable goods .....	10.0	9.4	7.8	7.8	8.6	8.4	7.5	7.5	7.7	6.9	6.3	6.5	6.2
Transportation and public utilities .....	5.6	5.1	4.8	4.9	5.1	5.4	4.8	4.4	4.8	4.8	3.7	3.7	3.8
Wholesale and retail trade .....	8.8	9.1	8.6	8.4	8.8	8.6	8.5	8.1	7.9	7.5	7.2	6.8	6.7
Finance and service industries .....	6.5	6.9	6.6	6.3	6.5	6.7	6.3	6.2	5.7	5.7	5.2	5.1	5.3
Government workers .....	4.1	4.2	4.4	4.6	4.3	4.3	4.3	4.1	4.1	4.1	4.2	3.8	4.0
Agricultural wage and salary workers .....	10.4	10.9	10.9	11.6	11.5	12.7	12.9	11.5	10.2	9.7	9.7	7.8	9.0

<sup>1</sup> Unemployment as a percent of civilian labor force.

as percent of potentially available labor force hours.

<sup>2</sup> Aggregate hours lost by the unemployed and persons on part-time for economic reasons

<sup>3</sup> Includes mining, not shown separately.

HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES

**A-48. Unemployed persons by duration of unemployment, seasonally adjusted**

[Numbers in thousands]

Weeks of unemployment	1975			1976			1977				1978		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
<b>Duration</b>													
Less than 5 weeks .....	2,817	2,759	2,646	2,825	2,876	2,828	2,864	2,969	2,823	2,761	2,702	2,816	2,878
5 to 14 weeks .....	2,323	2,290	1,988	2,064	2,279	2,331	2,133	2,026	2,146	2,030	1,853	1,834	1,923
15 weeks and over .....	2,863	2,824	2,555	2,141	2,283	2,396	2,140	1,828	1,819	1,825	1,573	1,324	1,267
15 to 26 weeks .....	1,392	1,261	1,030	837	1,062	1,110	946	786	907	932	842	682	661
27 weeks and over .....	1,470	1,562	1,526	1,304	1,221	1,287	1,194	1,042	912	892	731	642	606
Average (mean) duration in weeks .....	15.5	16.2	16.5	15.9	15.5	15.3	14.8	14.5	13.9	13.8	12.6	12.1	11.5
Median duration, in weeks .....	9.0	9.1	8.7	7.8	7.9	8.2	7.5	6.8	7.1	7.1	6.6	5.6	5.9
<b>Percent distribution</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	35.2	35.0	36.8	40.2	38.7	37.4	40.1	43.5	41.6	41.7	44.1	47.1	47.4
5 to 14 weeks .....	29.0	29.1	27.6	29.4	30.6	30.8	29.9	29.7	31.6	30.7	30.2	30.7	31.7
15 weeks and over .....	35.8	35.9	35.5	30.5	30.7	31.7	30.0	26.8	26.8	27.6	25.7	22.2	20.9
15 to 26 weeks .....	17.4	16.0	14.3	11.9	14.3	14.7	13.3	11.5	13.4	14.1	13.7	11.4	10.9
27 weeks and over .....	18.4	19.8	21.2	18.5	16.4	17.0	16.7	15.3	13.4	13.5	11.9	10.7	10.0

**A-49. Rates of unemployment by sex and age, seasonally adjusted**

Sex and age	1975			1976			1977				1978		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
<b>Total, 16 years and over</b> .....													
Total, 16 years and over .....	8.5	8.3	7.7	7.5	7.7	7.8	7.4	7.1	6.9	6.6	6.2	5.9	6.0
16 to 19 years .....	20.3	19.6	19.1	18.8	18.9	19.1	18.6	18.1	17.6	16.7	16.9	15.9	16.2
16 to 17 years .....	22.0	21.0	20.7	21.5	21.1	21.3	20.9	20.5	19.9	18.6	19.8	18.6	19.4
18 to 19 years .....	19.1	18.4	18.1	16.9	17.3	17.5	17.0	16.5	16.0	15.3	14.9	13.9	13.7
20 to 24 years .....	13.8	13.4	12.2	11.8	11.7	12.3	11.6	10.9	10.8	10.4	10.3	9.4	9.4
25 years and over .....	6.1	5.9	5.3	5.3	5.7	5.5	5.2	5.0	4.9	4.7	4.0	4.0	4.1
25 to 54 years .....	6.4	6.2	5.5	5.5	5.9	5.8	5.4	5.2	5.0	4.8	4.2	4.2	4.3
55 years and over .....	4.7	5.0	4.6	4.6	4.8	4.5	4.4	4.0	4.0	4.1	3.3	3.1	3.2
Males, 16 years and over .....	8.0	7.7	7.1	6.9	7.0	7.2	6.8	6.3	6.0	5.8	5.6	5.0	5.0
16 to 19 years .....	20.6	19.3	19.4	19.2	18.8	19.4	18.2	17.5	17.3	16.1	16.4	14.8	15.3
16 to 17 years .....	22.3	20.4	21.1	22.0	20.9	21.7	20.4	20.1	20.0	17.8	19.7	18.1	18.5
18 to 19 years .....	19.2	18.4	18.3	17.4	17.0	17.6	15.8	15.2	14.7	14.0	12.5	12.7	
20 to 24 years .....	14.9	14.0	12.3	11.7	11.8	12.4	11.5	10.6	10.8	9.8	10.3	8.4	8.7
25 years and over .....	5.6	5.5	4.7	4.7	5.0	4.9	4.6	4.2	4.0	3.9	3.5	3.3	3.3
25 to 54 years .....	5.9	5.7	4.8	4.8	5.1	5.1	4.7	4.4	4.1	3.9	3.5	3.3	3.4
55 years and over .....	4.6	4.8	4.5	4.5	4.5	4.2	4.3	3.7	3.7	3.9	3.2	3.2	3.1
Females, 16 years and over .....	9.2	9.1	8.6	8.4	8.9	8.7	8.4	8.3	8.2	7.9	7.1	7.3	7.4
16 to 19 years .....	20.0	19.9	18.9	18.2	19.0	18.8	19.0	18.8	17.9	17.4	17.5	17.0	17.2
16 to 17 years .....	21.6	21.8	20.2	20.9	21.3	20.7	21.5	21.1	19.8	19.5	19.9	19.2	20.4
18 to 19 years .....	18.9	18.4	17.9	16.4	17.5	17.4	17.2	17.3	16.8	15.9	15.8	15.5	14.9
20 to 24 years .....	12.4	12.7	12.1	11.8	11.6	12.1	11.6	11.2	10.9	11.0	10.3	10.6	10.1
25 years and over .....	6.9	6.7	6.3	6.2	6.8	6.4	6.1	6.1	6.1	5.8	4.9	5.1	5.3
25 to 54 years .....	7.3	7.1	6.7	6.5	7.1	6.9	6.5	6.4	6.4	6.2	5.2	5.6	5.7
55 years and over .....	5.0	5.3	4.8	4.6	5.3	4.9	4.5	4.5	4.5	4.6	3.4	3.1	3.4

**HOUSEHOLD DATA  
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**A-50. Unemployed persons by reason for unemployment, seasonally adjusted**

[Numbers in thousands]

Reason for unemployment	1975		1976				1977				1978		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
<b>NUMBER OF UNEMPLOYED</b>													
Job losers .....	4,567	4,169	3,576	3,580	3,679	3,674	3,300	3,032	3,098	2,917	2,577	2,464	2,501
On layoff .....	1,705	1,419	1,009	1,034	1,116	1,016	914	806	896	769	712	627	734
Other job losers .....	2,862	2,750	2,568	2,546	2,563	2,658	2,386	2,226	2,202	2,148	1,865	1,837	1,766
Job leavers .....	801	854	828	868	955	881	910	906	867	878	872	847	854
Reentrants .....	1,856	1,883	1,883	1,805	1,932	1,961	1,984	1,957	1,870	1,894	1,843	1,755	1,848
New entrants .....	838	852	861	865	875	926	952	987	952	859	902	879	859
<b>PERCENT DISTRIBUTION</b>													
Job losers .....	56.6	53.7	50.0	50.3	49.4	49.4	46.2	44.1	45.6	44.5	41.6	41.4	41.3
On layoff .....	21.1	18.3	14.1	14.5	15.0	13.7	12.8	11.7	13.2	11.7	11.5	10.5	12.1
Other job losers .....	35.5	35.4	35.9	35.8	34.4	35.7	33.4	32.3	32.4	32.8	30.1	30.9	29.1
Job leavers .....	9.9	11.0	11.6	12.2	12.8	11.8	12.7	13.2	12.8	13.4	14.1	14.2	14.1
Reentrants .....	23.0	24.3	26.3	25.4	26.0	26.4	27.8	28.4	27.6	28.9	29.8	29.5	30.5
New entrants .....	10.4	11.0	12.0	12.2	11.8	12.4	13.3	14.3	14.0	13.1	14.6	14.8	14.2
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	4.9	4.5	3.8	3.9	3.9	3.8	3.4	3.1	3.2	3.0	2.6	2.5	2.5
Job leavers .....	.9	.9	.9	1.0	.9	.9	.9	.9	.9	.9	.9	.8	.8
Reentrants .....	2.0	2.0	2.0	1.9	2.0	2.1	2.1	2.0	1.9	1.9	1.9	1.8	1.8
New entrants .....	.9	.9	.9	.9	.9	1.0	1.0	1.0	1.0	.9	.9	.9	.9

**A-51. Employed persons by sex and age, seasonally adjusted**

[In thousands]

Sex and age	1975		1976				1977				1978		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
<b>Total, 16 years and over .....</b>													
	84,999	85,321	86,558	87,392	87,795	88,182	89,059	90,264	90,823	92,069	93,050	94,244	94,625
16 to 19 years .....	7,029	7,063	7,190	7,300	7,331	7,260	7,364	7,579	7,684	7,824	7,749	8,021	8,102
16 to 17 years .....	2,868	2,902	2,924	2,912	2,971	2,895	2,966	3,049	3,113	3,207	3,157	3,302	3,321
18 to 19 years .....	4,179	4,159	4,264	4,381	4,362	4,366	4,414	4,525	4,554	4,612	4,606	4,715	4,770
20 to 24 years .....	11,692	11,703	12,028	12,292	12,353	12,417	12,643	12,776	12,923	13,071	13,201	13,491	13,578
25 years and over .....	66,273	66,566	67,343	67,791	68,098	68,514	69,064	69,895	70,201	71,184	72,135	72,698	72,914
25 to 54 years .....	52,798	53,154	53,881	54,353	54,605	54,907	55,524	56,153	56,546	57,205	58,152	58,529	58,848
55 years and over .....	13,491	13,421	13,483	13,407	13,503	13,612	13,557	13,719	13,662	13,983	13,990	14,158	14,091
Males, 16 years and over .....	51,277	51,374	51,964	52,353	52,532	52,706	53,119	53,711	53,936	54,699	54,962	55,508	55,522
16 to 19 years .....	3,782	3,816	3,877	3,898	3,937	3,914	3,972	4,119	4,135	4,278	4,207	4,290	4,330
16 to 17 years .....	1,576	1,590	1,595	1,579	1,630	1,597	1,616	1,688	1,712	1,800	1,748	1,782	1,784
18 to 19 years .....	2,222	2,218	2,274	2,315	2,313	2,313	2,364	2,425	2,417	2,473	2,470	2,503	2,543
20 to 24 years .....	6,348	6,384	6,595	6,748	6,765	6,853	6,953	6,971	7,045	7,151	7,160	7,370	7,336
25 years and over .....	41,141	41,189	41,487	41,707	41,815	41,953	42,196	42,618	42,736	43,285	43,606	43,838	43,824
25 to 54 years .....	32,663	32,823	33,138	33,329	33,394	33,515	33,770	34,065	34,218	34,613	34,970	35,091	35,121
55 years and over .....	8,482	8,378	8,354	8,358	8,426	8,455	8,436	8,531	8,517	8,688	8,646	8,733	8,703
Females, 16 years and over .....	33,721	33,947	34,593	35,039	35,263	35,476	35,940	36,553	36,887	37,369	38,088	38,736	39,102
16 to 19 years .....	3,247	3,246	3,313	3,401	3,394	3,346	3,392	3,459	3,550	3,546	3,542	3,731	3,772
16 to 17 years .....	1,292	1,312	1,329	1,334	1,341	1,298	1,349	1,361	1,401	1,407	1,410	1,520	1,536
18 to 19 years .....	1,956	1,941	1,990	2,066	2,049	2,053	2,050	2,100	2,137	2,139	2,135	2,212	2,227
20 to 24 years .....	5,344	5,320	5,434	5,543	5,588	5,564	5,691	5,805	5,878	5,920	6,041	6,120	6,242
25 years and over .....	25,131	25,377	25,856	26,084	26,283	26,561	26,868	27,277	27,465	27,899	28,529	28,861	29,090
25 to 54 years .....	20,135	20,330	20,743	21,024	21,212	21,392	21,754	22,088	22,328	22,592	23,183	23,438	23,728
55 years and over .....	5,009	5,043	5,129	5,049	5,078	5,157	5,121	5,189	5,145	5,295	5,344	5,425	5,388

HOUSEHOLD DATA  
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**A-52. Employed persons by selected social and economic categories, seasonally adjusted**

{In thousands}

Selected categories	1975		1976				1977				1978		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
<b>CHARACTERISTICS</b>													
Total, 16 years and over .....	84,999	85,321	86,558	87,392	87,795	88,182	89,059	90,264	90,823	92,069	93,050	94,244	94,625
Married men, spouse present .....	37,911	37,880	38,045	38,140	38,119	38,002	38,243	38,482	38,337	38,546	38,592	38,655	38,612
Married women, spouse present .....	19,600	19,834	20,065	20,232	20,391	20,468	20,756	20,935	20,940	21,271	21,683	21,753	21,869
<b>OCCUPATION</b>													
White-collar workers .....	42,458	42,380	43,131	43,563	43,775	44,321	44,533	44,766	45,249	46,217	46,646	46,964	47,294
Professional and technical .....	12,848	12,893	13,170	13,233	13,416	13,498	13,466	13,579	13,747	13,980	14,044	14,307	14,200
Managers and administrators, except farm .....	8,952	8,968	9,154	9,310	9,329	9,466	9,537	9,508	9,687	9,915	10,123	10,084	10,137
Sales workers .....	5,505	5,372	5,359	5,485	5,501	5,635	5,709	5,704	5,727	5,773	5,903	5,901	5,920
Clerical workers .....	15,153	15,147	15,448	15,536	15,529	15,722	15,821	15,976	16,088	16,549	16,575	16,672	17,037
Blue-collar workers .....	27,881	28,260	28,744	29,025	28,934	29,124	29,821	30,253	30,213	30,552	31,060	31,627	31,482
Craft and kindred workers .....	10,970	11,115	11,219	11,225	11,313	11,348	11,672	11,880	11,926	12,043	12,167	12,329	12,476
Operatives, except transport .....	9,566	9,818	10,066	10,180	10,016	10,081	10,370	10,392	10,273	10,389	10,753	10,942	10,789
Transport equipment operatives .....	3,221	3,220	3,212	3,295	3,272	3,305	3,429	3,498	3,466	3,512	3,539	3,535	3,478
Nonfarm laborers .....	4,125	4,107	4,247	4,326	4,333	4,390	4,349	4,483	4,547	4,608	4,601	4,821	4,739
Service workers .....	11,628	11,831	11,871	11,999	12,160	11,985	12,068	12,442	12,501	12,560	12,660	12,902	12,840
Farm workers .....	2,995	2,868	2,840	2,832	2,839	2,781	2,700	2,809	2,720	2,790	2,810	2,760	2,828
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>													
Agriculture:													
Wage and salary workers .....	1,336	1,278	1,319	1,317	1,313	1,329	1,280	1,334	1,310	1,399	1,374	1,441	1,410
Self-employed workers .....	1,711	1,680	1,632	1,653	1,655	1,604	1,527	1,592	1,567	1,591	1,573	1,594	1,641
Unpaid family workers .....	397	358	329	347	342	343	350	371	316	340	348	291	321
Nonagricultural industries:													
Wage and salary workers .....	75,502	75,804	77,082	77,928	78,372	78,754	79,556	80,426	81,018	82,233	83,039	84,070	84,421
Government .....	14,644	14,629	14,866	14,874	15,100	14,981	14,956	15,020	15,215	15,433	15,219	15,244	15,275
Private industries .....	60,858	61,175	62,217	63,055	63,272	63,773	64,600	65,406	65,803	66,800	67,820	68,826	69,147
Private households .....	1,329	1,319	1,286	1,352	1,392	1,394	1,353	1,347	1,403	1,399	1,366	1,383	1,378
Other industries .....	59,530	59,855	60,931	61,702	61,880	62,379	63,247	64,059	64,400	65,401	66,454	67,443	67,769
Self-employed workers .....	5,629	5,729	5,679	5,664	5,669	5,739	5,877	5,989	6,041	6,115	6,318	6,318	6,209
Unpaid family workers .....	461	507	473	459	446	458	482	520	505	456	476	498	469
<b>PERSONS AT WORK<sup>1</sup></b>													
Nonagricultural industries .....	76,080	77,064	78,272	78,690	79,304	79,895	80,591	81,523	82,635	83,266	83,881	85,874	86,328
Full-time schedules .....	62,016	63,188	64,317	64,546	64,962	65,393	66,118	66,953	67,783	68,214	69,148	70,523	71,124
Part time for economic reasons .....	3,363	3,285	3,224	3,219	3,258	3,430	3,318	3,283	3,341	3,256	3,114	3,343	3,285
Usually work full time .....	1,498	1,399	1,293	1,347	1,349	1,283	1,225	1,262	1,303	1,246	1,132	1,289	1,362
Usually work part time .....	1,865	1,886	1,931	1,872	1,909	2,147	2,093	2,022	2,038	2,010	1,982	2,053	1,923
Part time for noneconomic reasons .....	10,701	10,591	10,731	10,925	11,084	11,071	11,154	11,287	11,511	11,796	11,619	12,009	11,919

<sup>1</sup> Excludes persons "with a job but not at work" during the survey period for such reasons as vacation, illness, or industrial dispute.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
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**A-53. Job desire of persons not in labor force by current activity, reasons for not seeking work, sex, and race, seasonally adjusted**

[In thousands]

Characteristic	1975			1976				1977				1978		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	
<b>TOTAL</b>														
Total not in labor force . . . . .	58,744	59,268	59,189	59,073	59,066	59,218	59,225	58,941	59,205	58,777	58,799	58,399	58,556	
Do not want job now . . . . .	53,427	53,966	53,860	54,015	54,511	53,828	53,825	53,263	53,213	53,207	53,789	53,294	52,724	
Current activity:														
Going to school . . . . .	6,289	6,376	6,416	6,261	6,736	6,324	6,163	6,153	6,216	6,193	6,237	6,224	6,032	
III, disabled . . . . .	4,618	4,738	4,705	4,739	4,797	4,608	4,726	4,553	4,504	4,407	4,516	4,626	4,366	
Keeping house . . . . .	31,281	31,407	30,967	31,028	30,693	30,337	30,566	30,197	30,078	30,095	29,671	29,788	29,360	
Retired . . . . .	7,831	8,243	8,324	8,480	8,791	8,774	8,748	9,031	9,048	9,031	9,454	9,177	9,404	
Other . . . . .	3,409	3,201	3,448	3,506	3,494	3,785	3,622	3,329	3,366	3,482	3,911	3,479	3,562	
Want a job now . . . . .	5,377	5,285	5,321	5,416	4,357	5,464	5,539	5,739	5,936	5,581	5,448	5,281	5,526	
Reason not looking:														
School attendance . . . . .	1,534	1,524	1,405	1,540	1,168	1,536	1,516	1,466	1,680	1,556	1,411	1,265	1,560	
III health, disability . . . . .	677	747	705	743	491	649	672	802	795	766	680	786	690	
Home responsibilities . . . . .	1,083	1,119	1,199	1,214	1,038	1,280	1,229	1,286	1,288	1,211	1,221	1,245	1,240	
Think cannot get job . . . . .	1,148	975	.961	913	803	994	942	1,062	1,067	969	903	842	891	
Job-market factors . . . . .	963	770	661	627	570	726	657	739	747	630	621	537	646	
Personal factors . . . . .	185	205	300	286	233	268	285	323	320	339	282	305	245	
Other reasons <sup>1</sup> . . . . .	935	920	1,051	1,006	858	1,006	1,180	1,123	1,106	1,080	1,233	1,144	1,144	
Males														
Total not in labor force . . . . .	15,825	16,241	16,319	16,289	16,379	16,392	16,497	16,503	16,728	16,386	16,510	16,577	16,840	
Do not want job now . . . . .	14,227	14,551	14,624	14,728	15,168	14,757	14,839	14,687	14,766	14,676	14,925	14,922	15,021	
Want a job now . . . . .	1,758	1,711	1,702	1,649	1,308	1,670	1,701	1,758	1,833	1,706	1,785	1,632	1,738	
Reason not looking:														
School attendance . . . . .	811	744	704	777	595	733	766	759	801	767	714	620	775	
III health, disability . . . . .	315	348	318	317	203	277	299	335	325	330	317	345	309	
Think cannot get job . . . . .	379	339	384	305	269	341	297	310	360	306	352	298	301	
Other reasons <sup>1</sup> . . . . .	254	280	295	250	241	318	339	354	347	303	401	368	353	
Females														
Total not in labor force . . . . .	42,919	43,028	42,870	42,785	42,688	42,826	42,729	42,438	42,476	42,391	42,289	41,822	41,716	
Do not want job now . . . . .	39,200	39,415	39,236	39,287	39,343	39,071	38,986	38,576	38,447	38,532	38,864	38,372	37,703	
Want a job now . . . . .	3,619	3,574	3,619	3,767	3,049	3,794	3,838	3,981	4,103	3,875	3,663	3,650	3,788	
Reason not looking:														
School attendance . . . . .	723	780	701	763	573	802	750	707	879	789	697	645	785	
III health, disability . . . . .	363	399	387	426	288	371	374	466	470	436	363	441	381	
Home responsibilities . . . . .	1,083	1,119	1,199	1,214	1,038	1,280	1,229	1,286	1,288	1,211	1,221	1,245	1,240	
Think cannot get job . . . . .	769	636	576	608	534	653	645	753	707	662	550	544	590	
Other reasons . . . . .	681	640	756	756	617	688	840	769	759	777	833	776	791	
White														
Total not in labor force . . . . .	51,399	51,857	51,839	51,690	51,542	51,697	51,699	51,406	51,648	51,265	51,400	51,064	51,153	
Do not want job now . . . . .	47,422	47,872	47,693	47,742	48,120	47,460	47,397	47,162	47,306	46,875	47,433	47,262	46,912	
Want a job now . . . . .	4,131	3,978	4,086	4,065	3,434	4,172	4,289	4,303	4,333	4,306	4,179	3,962	4,350	
Reason not looking:														
School attendance . . . . .	1,129	1,158	1,071	1,129	943	1,113	1,181	1,057	1,138	1,141	1,040	921	1,275	
III health, disability . . . . .	492	524	501	508	363	448	505	646	575	554	484	562	521	
Home responsibilities . . . . .	894	828	941	921	822	1,020	1,007	972	957	970	984	959	959	
Think cannot get job . . . . .	843	690	712	689	595	750	676	732	735	726	640	576	607	
Other reasons . . . . .	773	778	861	818	711	841	919	895	928	914	1,031	944	989	
Black and other														
Total not in labor force . . . . .	7,268	7,359	7,375	7,419	7,497	7,470	7,525	7,566	7,574	7,465	7,370	7,372	7,403	
Do not want job now . . . . .	6,064	6,113	6,104	6,089	6,526	6,206	6,230	6,100	6,064	6,247	6,076	6,083	6,125	
Want a job now . . . . .	1,216	1,289	1,266	1,301	920	1,284	1,307	1,368	1,553	1,265	1,320	1,276	1,238	
Reason not looking:														
School attendance . . . . .	340	360	347	407	207	416	349	409	447	412	384	341	303	
III health, disability . . . . .	189	204	219	241	127	194	180	162	218	197	212	230	169	
Home responsibilities . . . . .	230	311	303	291	242	280	269	286	338	237	271	264	286	
Think cannot get job . . . . .	322	292	237	210	214	254	283	298	329	248	274	249	288	
Other reasons . . . . .	135	122	161	152	130	140	226	213	221	171	178	192	192	

<sup>1</sup> Includes small number of men not looking for work because of home responsibilities.

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**A-54. Job desire of persons not in labor force and reasons for not seeking work by age and sex**

(In thousands)

Reasons for not seeking work	Total		Age in years							
			16-19		20-24		25-59		60 and over	
	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978
<b>TOTAL</b>										
Total not in labor force . . . . .	58,074	57,394	6,092	5,717	4,203	4,030	23,306	22,777	20,276	24,868
Do not want a job now . . . . .	52,625	52,276	4,864	4,594	3,424	3,321	20,437	20,046	19,840	24,474
Current activity:										
Going to school . . . . .	3,451	3,280	2,177	1,933	903	880	360	458	6	10
III, disabled . . . . .	4,666	4,519	50	47	123	95	2,248	2,110	1,646	2,427
Keeping house . . . . .	30,329	29,602	696	666	1,850	1,783	15,613	15,047	9,932	12,105
Retired . . . . .	9,153	9,516	--	--	--	--	230	203	7,851	9,313
Other . . . . .	5,026	5,359	1,941	1,948	548	563	1,986	2,228	405	619
Want a job now . . . . .	5,448	5,116	1,226	1,123	779	710	2,866	2,730	438	553
Reason not looking:										
School attendance . . . . .	813	804	506	489	170	168	138	146	--	--
III health, disability . . . . .	793	681	24	36	60	49	559	437	118	159
Home responsibilities . . . . .	1,449	1,392	98	78	241	205	1,072	1,068	26	41
Think cannot get job . . . . .	1,096	905	299	208	136	139	430	398	177	162
Job-market factors . . . . .	734	627	192	160	117	110	312	296	87	63
Personal factors . . . . .	363	277	106	48	20	29	118	103	89	99
Other reasons <sup>1</sup> . . . . .	1,297	1,334	299	312	172	149	667	681	117	191
<b>Males</b>										
Total not in labor force . . . . .	15,686	15,749	2,539	2,429	1,039	1,043	3,092	3,123	7,597	9,154
Do not want a job now . . . . .	14,191	14,318	1,988	1,947	831	834	2,599	2,608	7,405	8,928
Current activity:										
Going to school . . . . .	1,664	1,686	1,003	974	486	500	173	210	--	--
III, disabled . . . . .	2,680	2,476	28	24	71	59	1,333	1,234	848	1,159
Keeping house . . . . .	255	324	8	18	4	5	57	78	156	223
Retired . . . . .	7,112	7,255	--	--	--	--	191	177	6,099	7,079
Other . . . . .	2,480	2,577	949	931	270	270	845	909	302	467
Want a job now . . . . .	1,496	1,430	551	481	206	209	493	515	192	225
Reason not looking:										
School attendance . . . . .	361	388	249	245	74	81	40	63	--	--
III health, disability . . . . .	342	312	13	21	32	22	236	205	49	64
Home responsibilities . . . . .	385	319	138	107	42	41	98	108	83	63
Think cannot get job . . . . .	408	411	151	108	58	65	119	139	60	98
<b>Females</b>										
Total not in labor force . . . . .	42,387	41,644	3,553	3,288	3,163	2,987	20,213	19,655	12,680	15,714
Do not want a job now . . . . .	38,434	37,957	2,876	2,647	2,592	2,486	17,841	17,442	12,434	15,388
Current activity:										
Going to school . . . . .	1,787	1,593	1,173	957	416	379	187	247	6	10
III, disabled . . . . .	1,986	2,043	22	25	52	35	917	876	798	1,109
Keeping house . . . . .	30,073	29,279	690	647	1,846	1,779	15,557	14,973	9,774	11,881
Retired . . . . .	2,042	2,261	--	--	--	--	40	27	1,752	2,235
Other . . . . .	2,546	2,781	991	1,018	278	293	1,140	1,319	104	153
Want a job now . . . . .	3,953	3,687	675	640	572	501	2,371	2,216	246	328
Reason not looking:										
School attendance . . . . .	452	416	258	245	96	88	98	83	--	--
III health, disability . . . . .	451	369	11	14	28	27	322	232	69	95
Home responsibilities . . . . .	1,449	1,392	98	78	241	205	1,072	1,068	26	41
Think cannot get job . . . . .	711	587	160	100	93	97	333	290	94	99
Other reasons . . . . .	890	923	148	203	114	84	546	543	57	93

<sup>1</sup> Includes small number of men not looking for work because of "home responsibilities."

NOTE: Detail in tables A-54, A-55, and A-57 may not add to not-in-labor-force totals because of differences in the weighting patterns used in aggregating these data.

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## A-55. Job desire of persons not in labor force and reasons for not seeking work by age, race, and sex

(In thousands)

Reasons for not seeking work	Total		Age in years						Males		Females	
			16-24		25-59		60 and over					
	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978
<b>WHITE</b>												
Total not in labor force .....	50,735	50,237	8,189	7,683	20,403	19,997	22,142	22,560	13,334	13,422	37,401	36,815
Do not want a job now .....	46,688	46,285	6,828	6,401	18,192	17,792	21,660	22,093	12,225	12,391	34,463	33,894
Current activity:												
Going to school .....	2,776	2,647	2,470	2,265	296	377	10	6	1,337	1,357	1,439	1,290
III, disabled .....	3,804	3,676	145	111	1,796	1,720	1,860	1,842	2,059	2,059	1,635	1,617
Keeping house .....	27,634	26,916	2,206	2,062	14,242	13,636	11,181	11,220	207	262	27,427	26,654
Retired .....	8,319	8,667	--	--	213	187	8,105	8,480	6,509	6,656	1,810	2,011
Other .....	4,155	4,379	2,007	1,963	1,645	1,872	504	545	2,003	2,057	2,152	2,322
Want a job now .....	4,048	3,951	1,358	1,283	2,209	2,205	483	466	1,109	1,031	2,939	2,920
Reason not looking:												
School attendance .....	554	598	464	476	90	123	--	--	264	281	290	317
III health, disability .....	557	501	65	98	384	335	110	119	251	211	306	290
Home responsibilities <sup>1</sup> .....	1,114	1,108	227	184	858	889	31	36	--	--	1,114	1,108
Think cannot get job .....	736	598	247	194	300	265	188	139	257	205	479	393
Other reasons .....	1,087	1,146	355	380	577	593	154	172	337	334	750	812
<b>BLACK AND OTHER</b>												
Total not in labor force .....	7,339	7,156	2,107	2,064	2,903	2,783	2,330	2,309	2,353	2,327	4,986	4,829
Do not want a job now .....	5,940	5,993	1,461	1,513	2,250	2,253	2,235	2,220	1,967	1,929	3,973	4,064
Current activity:												
Going to school .....	676	632	610	546	64	81	--	4	327	329	349	303
III, disabled .....	863	845	29	31	457	387	383	425	512	418	351	427
Keeping house .....	2,695	2,687	339	388	1,370	1,412	987	885	48	62	2,647	2,625
Retired .....	835	849	--	--	17	16	818	831	603	599	232	250
Other .....	871	980	483	548	342	357	47	75	477	521	394	459
Want a job now .....	1,399	1,163	647	553	654	530	98	87	386	398	1,013	765
Reason not looking:												
School attendance .....	258	206	211	184	48	25	--	97	107	161	99	
III health, disability .....	235	179	18	35	173	104	42	41	90	101	145	78
Home responsibilities <sup>1</sup> .....	335	284	114	99	215	180	6	5	--	--	335	284
Think cannot get job .....	360	306	187	152	130	132	44	22	128	113	232	193
Other reasons .....	211	188	117	83	88	89	6	19	71	77	140	111

<sup>1</sup> Small number of men not looking for work because of "home responsibilities" are included in "other reasons."

## A-56. Persons not in labor force who desire work but think they cannot get jobs by age, race, sex, and detailed reason

(In thousands)

3rd Quarter 1978

Detailed reason for not seeking work	Total	Age in years				Race	
		16-19	20-24	25-59	60 and over	White	Black and other
<b>TOTAL</b>							
Personal factors:							
Employers think too young or old .....	147	35	--	23	89	121	25
Lacks education or training .....	94	11	22	56	6	67	27
Other personal handicap .....	36	2	7	24	4	23	14
Job-market factors:							
Could not find job .....	384	111	74	173	27	191	193
Thinks no job available .....	243	49	36	123	36	195	48
<b>Males</b>							
Personal factors:							
Employers think too young or old .....	58	17	--	7	34	39	18
Lacks education or training .....	11	4	3	4	--	8	3
Other personal handicap .....	19	2	5	10	2	9	10
Job-market factors:							
Could not find job .....	147	54	21	58	12	83	64
Thinks no job available .....	85	30	12	28	14	66	19
<b>Females</b>							
Personal factors:							
Employers think too young or old .....	90	19	--	16	55	82	7
Lacks education or training .....	83	7	19	52	6	59	24
Other personal handicap .....	18	--	2	14	2	14	4
Job-market factors:							
Could not find job .....	237	57	53	114	14	108	129
Thinks no job available .....	159	18	24	96	21	129	29

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**A-57. Most recent work experience of persons not in labor force and reason for leaving last job for those who worked during previous 12 months by age, race, and sex**

[Numbers in thousands]

Most recent work experience and reason for leaving job	Total		Age in years						White		Black and other	
			16-24		25-59		60 and over					
	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978
Total, not in labor force	58,074	57,394	10,295	9,747	23,306	22,778	24,472	24,868	50,725	50,237	7,339	7,156
Never worked	8,953	8,406	4,271	3,827	2,215	2,032	2,467	2,546	7,295	6,706	1,658	1,700
Last worked over 5 years ago	28,638	28,944	260	335	11,774	11,611	16,604	17,300	25,619	25,960	3,018	2,983
Last worked 1 to 5 years ago	11,295	10,743	1,735	1,568	5,570	5,272	3,990	3,902	9,876	9,484	1,419	1,258
Left job during previous 12 months	9,188	9,301	4,029	4,015	3,747	3,862	1,411	1,422	7,945	8,087	1,234	1,214
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	43.0	43.1	60.4	59.5	33.2	39.5	6.1	6.8	43.9	43.9	37.1	37.6
Ill health, disability	9.2	8.1	1.9	2.6	13.9	10.7	17.7	16.7	8.4	7.7	14.2	11.3
Retirement, old age	8.4	8.2	--	--	3.1	2.7	46.5	46.5	9.2	9.0	3.7	3.3
Economic reasons	20.7	21.1	19.0	18.3	23.7	24.6	17.7	19.1	20.2	20.7	24.3	23.7
End of seasonal job	8.5	9.2	8.6	9.2	9.1	10.3	6.4	6.5	8.3	8.9	9.3	11.9
Slack work	5.6	5.0	5.0	3.5	7.0	6.8	4.0	4.4	5.6	4.6	5.7	7.8
End of temporary job	6.6	6.8	5.4	5.6	7.6	7.4	8.2	6.2	7.2	9.2	4.0	4.0
All other reasons	18.7	19.4	18.8	19.5	21.2	22.5	11.9	10.9	18.4	18.7	20.7	24.1
Males, not in labor force	15,686	15,749	3,579	3,472	3,092	3,123	9,015	9,155	13,334	13,422	2,353	2,327
Never worked	1,741	1,705	1,493	1,453	216	215	32	36	1,288	1,204	453	501
Last worked over 5 years ago	7,061	7,332	48	61	1,122	1,205	5,890	6,066	6,156	6,436	905	895
Last worked 1 to 5 years ago	3,663	3,638	331	349	1,019	1,056	2,313	2,233	3,170	3,170	493	468
Left job during previous 12 months	3,221	3,074	1,706	1,608	736	648	779	818	2,720	2,612	501	462
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	33.1	34.3	54.5	56.1	15.5	19.3	2.9	3.2	34.3	34.6	26.9	32.6
Ill health, disability	13.4	11.6	2.1	3.5	34.8	26.3	17.8	16.3	12.1	11.1	20.1	13.4
Retirement, old age	16.3	17.5	--	--	11.2	9.7	56.7	57.9	17.9	19.6	7.4	5.2
Economic reasons	19.5	18.7	23.9	19.2	15.8	21.5	13.5	15.4	18.5	17.1	24.9	27.9
End of seasonal job	8.6	8.3	10.9	10.1	6.4	7.1	5.8	5.5	8.3	7.4	10.4	13.4
Slack work	5.8	4.8	6.8	3.5	6.0	9.3	3.2	4.0	5.5	3.9	7.2	9.9
End of temporary job	5.1	5.6	6.2	5.6	3.4	5.1	4.5	5.9	4.7	5.8	7.4	4.5
All other reasons	17.7	17.9	19.4	21.2	22.7	23.2	9.1	7.2	17.2	17.3	20.7	21.0
Females, not in labor force	42,387	41,644	6,717	6,275	20,213	19,655	15,458	15,714	37,397	36,815	4,986	4,829
Never worked	7,212	6,701	2,778	2,374	1,999	1,817	2,434	2,508	6,007	5,502	1,205	1,199
Last worked over 5 years ago	21,576	21,612	211	274	10,651	10,405	10,714	10,933	19,463	19,524	2,113	2,088
Last worked 1 to 5 years ago	7,632	7,105	1,404	1,220	4,552	4,215	1,676	1,668	6,706	6,314	926	790
Left job during previous 12 months	5,967	6,227	2,323	2,407	3,011	3,216	632	604	5,225	5,475	742	752
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	43.3	47.5	64.7	61.8	43.7	43.5	9.9	11.6	48.9	48.4	44.1	40.7
Ill health, disability	6.9	6.4	1.8	2.1	8.7	7.6	17.5	17.4	6.5	5.9	10.2	10.0
Retirement, old age	4.2	3.7	--	--	1.2	1.3	33.8	31.0	4.6	3.9	1.2	2.1
Economic reasons	21.4	22.2	15.2	17.8	25.6	25.2	23.3	24.0	21.0	22.4	27.9	21.2
End of seasonal job	8.4	9.7	6.9	8.6	9.8	10.9	7.3	8.0	8.3	9.6	8.6	10.9
Slack work	5.5	5.1	3.6	3.6	7.2	6.3	4.9	5.0	5.7	4.9	4.7	6.5
End of temporary job	7.4	7.4	4.7	5.6	8.7	8.1	11.2	11.1	7.0	7.9	10.5	3.7
All other reasons	19.2	20.2	18.3	18.4	20.8	22.4	15.5	15.9	19.0	19.4	20.6	26.0

**A-58. Work-seeking intentions of persons not in labor force and work history of those who intend to seek work within next 12 months by age, race, and sex**

[In thousands]

Work-seeking intentions and work history	Total		Age in years						White		Black and other	
			16-24		25-59		60 and over					
	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978
<b>Total</b>												
Do not intend to seek work	49,307	49,183	5,871	5,770	19,566	19,106	23,870	24,307	43,692	43,535	5,615	5,648
Intend to seek work in the next 12 months	8,765	8,209	4,425	3,977	3,738	3,671	602	561	7,042	6,701	1,723	1,508
Never worked	1,472	1,250	1,323	1,078	143	155	7	18	1,091	898	381	352
Last worked over 5 years ago	1,214	1,185	50	36	1,002	1,012	162	137	989	1,020	224	165
Last worked 1 to 5 years ago	1,974	1,734	649	507	1,100	1,038	224	190	1,537	1,374	437	360
Worked during previous 12 months	4,106	4,041	2,403	2,358	1,493	1,468	210	216	3,425	3,409	681	631
Males												
Do not intend to seek work	12,923	13,217	1,738	1,809	2,465	2,493	8,721	8,914	11,110	11,441	1,813	1,776
Intend to seek work in the next 12 months	2,763	2,532	1,841	1,662	629	629	294	241	2,223	1,981	539	551
Never worked	525	469	507	435	19	34	--	--	401	333	123	135
Last worked over 5 years ago	153	143	18	15	86	92	49	36	103	110	50	33
Last worked 1 to 5 years ago	516	468	183	173	209	197	123	97	395	365	121	103
Worked during previous 12 months	1,569	1,452	1,132	1,039	314	307	122	106	1,324	1,172	245	280
Females												
Do not intend to seek work	36,384	35,966	4,132	3,959	17,102	16,613	15,149	15,394	32,582	32,094	3,802	3,872
Intend to seek work in the next 12 months	6,003	5,677	2,584	2,315	3,110	3,042	307	321	4,819	4,720	1,184	957
Never worked	948	782	817	641	124	121	7	18	690	565	258	217
Last worked over 5 years ago	1,060	1,041	32	21	917	919	112	100	886	910	174	132
Last worked 1 to 5 years ago	1,458	1,266	466	334	891	839	101	92	1,142	1,009	316	257
Worked during previous 12 months	2,537	2,589	1,270	1,317	1,179	1,163	88	110	2,101	2,237	436	351

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**A-59. Employment status of the civilian noninstitutional population by sex, age, race, and Hispanic origin**

{Numbers in thousands}

Employment status	Total		White		Black <sup>1</sup>		Hispanic origin <sup>2</sup>	
	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978
<b>TOTAL</b>								
Civilian noninstitutional population . . . . .	156,764	159,235	137,870	139,822	16,374	16,678	7,320	7,829
Civilian labor force . . . . .	98,690	101,841	87,135	89,585	9,962	10,431	4,599	4,978
Percent of population . . . . .	63.0	64.0	63.2	64.1	60.8	62.5	62.8	63.6
Employment . . . . .	91,978	95,786	82,001	84,997	8,513	9,125	4,163	4,523
Agriculture . . . . .	3,600	3,801	3,324	3,447	228	270	257	255
Nonagricultural industries . . . . .	88,379	91,986	78,677	81,550	8,286	8,855	3,906	4,267
Unemployment . . . . .	6,712	6,055	5,134	4,588	1,449	1,306	437	456
Unemployment rate . . . . .	6.8	5.9	5.9	5.1	14.5	12.5	9.5	9.2
Not in labor force . . . . .	58,074	57,394	50,735	50,237	6,411	6,247	2,721	2,851
<b>Males, 20 years and over</b>								
Civilian noninstitutional population . . . . .	65,949	67,134	58,645	59,621	6,275	6,411	3,009	3,218
Civilian labor force . . . . .	52,803	53,814	47,307	48,067	4,701	4,851	2,577	2,736
Percent of population . . . . .	80.1	80.2	80.7	80.6	74.9	75.7	85.6	85.0
Employment . . . . .	50,422	51,825	45,471	46,528	4,206	4,459	2,414	2,579
Agriculture . . . . .	2,454	2,545	2,273	2,294	150	198	173	187
Nonagricultural industries . . . . .	47,968	49,280	43,198	44,234	4,056	4,262	2,241	2,392
Unemployment . . . . .	2,381	1,989	1,836	1,539	495	392	163	157
Unemployment rate . . . . .	4.5	3.7	3.9	3.2	10.5	8.1	6.3	5.7
Not in labor force . . . . .	13,147	13,320	11,338	11,554	1,574	1,560	432	482
<b>Females, 20 years and over</b>								
Civilian noninstitutional population . . . . .	74,331	75,649	65,241	66,277	7,858	8,049	3,267	3,547
Civilian labor force . . . . .	35,496	37,292	30,632	32,049	4,205	4,492	1,481	1,650
Percent of population . . . . .	47.8	49.3	47.0	48.4	53.5	55.8	45.3	46.5
Employment . . . . .	32,905	34,886	28,630	30,236	3,670	3,962	1,324	1,468
Agriculture . . . . .	608	695	555	643	41	33	43	35
Nonagricultural industries . . . . .	32,297	34,191	28,074	29,593	3,628	3,930	1,281	1,433
Unemployment . . . . .	2,591	2,406	2,002	1,813	535	530	158	181
Unemployment rate . . . . .	7.3	6.5	6.5	5.7	12.7	11.8	10.6	11.0
Not in labor force . . . . .	38,835	38,357	34,609	34,228	3,653	3,556	1,786	1,898
<b>Both sexes, 16-19 years</b>								
Civilian noninstitutional population . . . . .	16,484	16,452	13,984	13,924	2,240	2,218	1,044	1,063
Civilian labor force . . . . .	10,391	10,735	9,196	9,469	1,057	1,088	541	593
Percent of population . . . . .	63.0	65.3	65.8	68.0	47.2	49.1	51.8	55.8
Employment . . . . .	8,651	9,075	7,900	8,233	637	703	425	476
Agriculture . . . . .	538	560	495	510	36	40	41	34
Nonagricultural industries . . . . .	8,113	8,515	7,405	7,723	601	664	384	442
Unemployment . . . . .	1,740	1,660	1,296	1,236	419	384	116	117
Unemployment rate . . . . .	16.7	15.5	14.1	13.1	39.7	35.3	21.5	19.8
Not in labor force . . . . .	6,092	5,717	4,788	4,456	1,184	1,131	503	471

<sup>1</sup> Data relate to black workers only. According to the 1970 Census, black workers comprised about 89 percent of the "black and other" population group.

<sup>2</sup> Data on persons of Hispanic origin are tabulated separately, without regard to race, which means that they are also included in the data for white and black workers. At the time of the 1970 Census, approximately 96 percent of their population was white.

NOTE: Data for 1977 for total Hispanic origin are not strictly comparable with those published earlier. These estimates incorporate the expanded sample and revised estimation procedures introduced in the national sample in January 1978.

HOUSEHOLD DATA  
QUARTERLY AVERAGES

**A-60 Employment status of persons of Mexican, Puerto Rican, and Cuban origin  
by sex and age**

[Numbers in thousands]

Employment status	Total Hispanic origin <sup>1</sup>		Mexican origin		Puerto Rican origin		Cuban origin	
	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978
<b>TOTAL</b>								
Civilian noninstitutional population .....	7,320	7,829	4,260	4,602	1,043	1,090	566	618
Civilian labor force .....	4,599	4,978	2,797	3,022	527	575	363	424
Percent of population .....	62.8	63.6	65.7	65.7	50.5	52.8	64.1	68.6
Employment .....	4,163	4,523	2,543	2,755	446	489	338	397
Agriculture .....	257	255	231	227	12	13	2	5
Nonagricultural industries .....	3,906	4,267	2,312	2,528	434	476	336	392
Unemployment .....	437	456	255	267	81	86	25	27
Unemployment rate .....	9.5	9.2	9.1	8.8	15.4	15.0	6.8	6.4
Not in labor force .....	2,721	2,851	1,462	1,579	517	515	203	194
<b>Males, 20 years and over</b>								
Civilian noninstitutional population .....	3,009	3,218	1,799	1,979	380	404	233	245
Civilian labor force .....	2,577	2,736	1,569	1,716	314	332	197	207
Percent of population .....	85.6	85.0	87.2	86.7	82.6	82.2	84.5	84.5
Employment .....	2,414	2,579	1,480	1,629	275	295	191	199
Agriculture .....	173	187	150	164	11	11	2	5
Nonagricultural industries .....	2,241	2,392	1,330	1,466	265	284	189	193
Unemployment .....	163	157	89	87	39	37	6	8
Unemployment rate .....	6.3	5.7	5.7	5.0	12.4	11.1	3.3	3.9
Not in labor force .....	432	482	230	263	66	72	36	39
<b>Females, 20 years and over</b>								
Civilian noninstitutional population .....	3,267	3,547	1,832	1,974	481	514	288	315
Civilian labor force .....	1,481	1,650	879	924	145	170	142	186
Percent of population .....	45.3	46.5	48.0	46.8	30.1	33.1	49.3	59.0
Employment .....	1,324	1,468	787	814	120	140	128	176
Agriculture .....	43	35	42	33	1	--	--	--
Nonagricultural industries .....	1,281	1,433	745	780	120	140	128	176
Unemployment .....	158	181	92	111	25	30	14	9
Unemployment rate .....	10.6	11.0	10.5	12.0	17.4	17.5	9.7	4.9
Not in labor force .....	1,786	1,898	953	1,050	335	345	146	130
<b>Both sexes, 16-19 years</b>								
Civilian noninstitutional population .....	1,044	1,063	629	648	183	172	45	58
Civilian labor force .....	541	593	349	382	67	73	24	32
Percent of population .....	51.8	55.8	55.5	59.0	36.6	42.4	53.3	55.2
Employment .....	425	476	276	312	50	54	19	22
Agriculture .....	41	34	39	30	1	2	--	--
Nonagricultural industries .....	384	442	237	282	50	52	19	22
Unemployment .....	116	117	73	70	17	20	4	10
Unemployment rate .....	21.5	19.8	21.0	18.3	25.3	27.0	(2)	(2)
Not in labor force .....	503	471	280	266	116	99	22	26

<sup>1</sup> Includes persons of Central or South American origin and other Hispanic origin, not shown separately.

NOTE: See note, table A-59.

<sup>2</sup> Percent not shown where base is less than 60,000.

# HOUSEHOLD DATA QUARTERLY AVERAGES

## A-61. Employed persons by selected social and economic categories, race, and Hispanic origin

[In thousands]

Selected categories	Total		White		Black and other		Hispanic origin <sup>1</sup>	
	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978
<b>CHARACTERISTICS</b>								
Total, 16 years and over .....	91,978	95,786	82,001	84,997	9,977	10,789	4,163	4,523
Males .....	55,166	56,768	49,785	51,011	5,381	5,757	2,666	2,851
Females .....	36,813	39,018	32,216	33,986	4,596	5,032	1,497	1,672
<b>OCCUPATION</b>								
White-collar workers .....	44,985	47,013	41,520	43,140	3,465	3,873	1,290	1,439
Professional and technical .....	13,451	13,891	12,343	12,666	1,107	1,225	295	326
Managers and administrators, except farm .....	9,776	10,232	9,310	9,707	467	525	236	274
Sales workers .....	5,759	5,952	5,470	5,619	289	333	142	169
Clerical workers .....	15,998	16,937	14,397	15,148	1,602	1,789	617	670
Blue-collar workers .....	31,291	32,605	27,505	28,578	3,787	4,027	1,945	2,129
Craft and kindred workers .....	12,256	12,819	11,346	11,871	910	948	554	625
Operatives, except transport .....	10,507	11,033	9,006	9,381	1,501	1,652	844	914
Transport equipment operatives .....	3,499	3,510	2,989	2,976	510	534	176	199
Nonfarm laborers .....	5,029	5,242	4,163	4,350	866	893	371	391
Service workers .....	12,639	12,986	10,147	10,389	2,492	2,596	713	738
Farm workers .....	3,063	3,183	2,829	2,890	234	293	215	216
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>								
Agriculture:								
Wage and salary workers .....	1,552	1,671	1,347	1,404	205	267	233	234
Self-employed workers .....	1,648	1,725	1,600	1,651	48	74	22	18
Unpaid family workers .....	399	404	377	391	23	13	2	4
Nonagricultural industries:								
Wage and salary workers .....	81,761	85,233	72,444	75,234	9,316	10,000	3,692	4,046
Government .....	14,830	14,889	12,499	12,439	2,331	2,450	608	611
Private industries .....	66,929	70,345	59,945	62,794	6,985	7,550	3,083	1,009
Private households .....	1,433	1,407	955	961	477	445	94	79
Other industries .....	65,496	68,938	58,990	61,833	6,508	7,105	2,989	930
Self-employed workers .....	6,115	6,286	5,749	5,877	366	409	188	202
Unpaid family workers .....	503	467	484	439	18	27	26	18
<b>FULL- AND PART-TIME STATUS<sup>2</sup></b>								
Full-time schedules .....	76,552	80,014	68,328	71,116	8,223	8,899	3,574	3,860
Part time for economic reasons .....	3,893	3,810	3,228	3,090	665	720	242	260
Part time for noneconomic reasons .....	11,533	11,962	10,445	10,791	1,089	1,171	347	402

<sup>1</sup> See footnote 2, table A-59.

<sup>2</sup> Employed persons "with a job but not at work" during the survey period are distributed

proportionately among the full- and part-time employed categories.

HOUSEHOLD DATA  
QUARTERLY AVERAGES

**A-62. Employed persons of Mexican, Puerto Rican, and Cuban origin by selected social and economic categories**

[In thousands]

Selected categories	Total Hispanic origin <sup>1</sup>		Mexican origin		Puerto Rican origin		Cuban origin	
	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978
<b>CHARACTERISTICS</b>								
Total, 16 years and over.....	4,163	4,523	2,543	2,755	446	489	338	397
Males .....	2,666	2,851	1,645	1,808	299	318	204	211
Females .....	1,497	1,672	898	947	147	170	135	186
<b>OCCUPATION</b>								
White-collar workers .....	1,290	1,439	683	739	137	165	143	169
Professional and technical .....	295	326	142	161	36	42	33	33
Managers and administrators, except farm .....	236	274	126	149	17	27	29	34
Sales workers .....	142	169	69	71	13	20	21	27
Clerical workers .....	617	670	346	358	71	76	60	75
Blue-collar workers .....	1,945	2,129	1,252	1,382	207	219	145	175
Craft and kindred workers .....	554	625	359	417	51	44	43	61
Operatives, except transport .....	844	914	516	539	106	126	68	92
Transport equipment operatives .....	176	199	111	135	20	22	13	8
Nonfarm laborers .....	371	391	266	291	30	27	21	14
Service workers .....	713	738	413	439	90	93	47	48
Farm workers .....	215	216	194	193	12	11	2	5
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>								
Agriculture:								
Wage and salary workers .....	233	234	208	209	12	13	2	4
Self-employed workers .....	22	18	21	15	--	1	--	1
Unpaid family workers .....	2	4	2	3	--	--	--	--
Nonagricultural industries:								
Wage and salary workers .....	3,692	4,046	2,184	2,398	420	468	309	364
Government .....	608	611	392	379	70	77	33	34
Private industries .....	3,083	3,436	1,793	2,018	351	390	276	330
Private households .....	94	79	61	47	5	2	2	1
Other industries .....	2,989	3,357	1,732	1,971	346	388	274	329
Self-employed workers .....	188	202	111	119	11	7	26	28
Unpaid family workers .....	26	18	16	11	2	--	1	--
<b>FULL- AND PART-TIME STATUS<sup>2</sup></b>								
Full-time schedules .....	3,574	3,860	2,168	2,334	401	428	301	339
Part time for economic reasons .....	242	260	166	180	21	26	6	14
Part time for noneconomic reasons .....	347	402	209	240	24	35	31	44

<sup>1</sup> See footnote 1, table A-60.

<sup>2</sup> See footnote 2, table A-61.

# HOUSEHOLD DATA QUARTERLY AVERAGES

## A-63. Employed persons by sex, age, race, and Hispanic origin

[In thousands]

Sex and age	Total		White		Black <sup>1</sup>		Hispanic origin <sup>2</sup>	
	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978
Total, 16 years and over .....	91,978	95,786	82,001	84,997	8,513	9,125	4,163	4,523
16 to 19 years .....	8,651	9,075	7,900	8,233	637	703	425	476
16 to 17 years .....	3,668	3,876	3,383	3,542	236	270	169	196
18 to 19 years .....	4,983	5,199	4,517	4,691	402	434	255	280
20 to 24 years .....	13,339	14,012	11,915	12,469	1,207	1,320	720	778
25 years and over .....	69,988	72,699	62,186	64,295	6,668	7,102	3,018	3,269
25 to 54 years .....	56,330	58,615	49,776	51,601	5,547	5,880	2,694	2,897
55 years and over .....	13,657	14,084	12,410	12,694	1,122	1,223	323	372
Males, 16 years and over .....	55,166	56,768	49,785	51,011	4,579	4,843	2,666	2,851
16 to 19 years .....	4,743	4,942	4,314	4,483	373	384	252	272
16 to 17 years .....	2,059	2,132	1,883	1,941	153	154	92	112
18 to 19 years .....	2,684	2,811	2,431	2,542	220	230	159	160
20 to 24 years .....	7,383	7,685	6,644	6,888	627	683	454	502
25 years and over .....	43,039	44,140	38,827	39,640	3,580	3,776	1,960	2,077
25 to 54 years .....	34,451	35,364	30,949	31,672	2,954	3,079	1,727	1,819
55 years and over .....	8,589	8,777	7,878	7,968	626	697	232	258
Females, 16 years and over .....	36,813	39,018	32,216	33,986	3,934	4,281	1,497	1,672
16 to 19 years .....	3,907	4,132	3,586	3,750	264	319	173	204
16 to 17 years .....	1,609	1,744	1,501	1,601	83	115	77	84
18 to 19 years .....	2,298	2,388	2,086	2,149	181	204	96	120
20 to 24 years .....	5,956	6,327	5,271	5,581	581	636	266	276
25 years and over .....	26,949	28,559	23,358	24,656	3,089	3,326	1,057	1,192
25 to 54 years .....	21,881	23,251	18,826	19,929	2,594	2,801	967	1,078
55 years and over .....	5,069	5,308	4,532	4,727	496	525	90	115

<sup>1</sup> See footnote 1, table A-59.

<sup>2</sup> See footnote 2, table A-59.

## A-64. Rates of unemployment by sex, age, race, and Hispanic origin

Sex and age	Total		White		Black <sup>1</sup>		Hispanic origin <sup>2</sup>	
	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978
Total, 16 years and over .....	6.8	5.9	5.9	5.1	14.5	12.5	9.5	9.2
16 to 19 years .....	16.7	15.5	14.1	13.1	39.7	35.3	21.5	19.8
16 to 17 years .....	18.5	18.2	16.1	15.6	43.0	40.6	24.2	24.9
18 to 19 years .....	15.4	13.3	12.5	11.0	37.5	31.6	19.6	15.7
20 to 24 years .....	10.5	9.1	8.6	7.4	25.9	22.1	12.1	11.7
25 years and over .....	4.6	3.9	4.2	3.5	8.3	7.2	6.8	6.7
25 to 54 years .....	4.9	4.2	4.4	3.7	9.1	7.7	6.8	6.9
55 years and over .....	3.6	2.9	3.5	2.7	4.3	4.5	6.9	5.6
Males, 16 years and over .....	5.6	4.7	4.8	4.0	13.5	10.6	7.5	7.1
16 to 19 years .....	15.8	14.0	13.2	11.9	37.1	32.2	17.8	18.1
16 to 17 years .....	18.2	17.0	15.7	14.8	40.4	36.3	20.6	25.4
18 to 19 years .....	13.9	11.6	11.2	9.5	34.5	29.1	16.0	12.2
20 to 24 years .....	9.8	7.9	8.0	6.6	25.2	18.8	11.1	9.4
25 years and over .....	3.5	2.9	3.1	2.6	7.3	5.8	5.1	4.8
25 to 54 years .....	3.6	3.0	3.2	2.6	7.9	6.3	5.0	4.9
55 years and over .....	3.2	2.6	3.0	2.5	4.4	3.9	5.7	4.8
Females, 16 years and over .....	8.5	7.7	7.6	6.7	15.7	14.6	12.8	12.5
16 to 19 years .....	17.8	17.1	15.1	14.4	43.0	38.8	26.3	21.8
16 to 17 years .....	18.9	19.5	16.5	16.6	47.4	45.6	28.1	24.3
18 to 19 years .....	17.0	15.3	14.0	12.7	40.7	34.1	24.8	20.0
20 to 24 years .....	11.5	10.6	9.4	8.4	26.7	25.5	13.8	15.7
25 years and over .....	6.3	5.5	5.9	5.0	9.5	8.6	9.8	9.8
25 to 54 years .....	6.8	6.0	6.2	5.5	10.4	9.2	9.8	10.1
55 years and over .....	4.4	3.3	4.4	3.1	4.3	5.4	9.9	7.4

<sup>1</sup> See footnote 1, table A-59.

<sup>2</sup> See footnote 2, table A-59.

HOUSEHOLD DATA  
QUARTERLY AVERAGES

**A-65. Unemployed persons by duration of unemployment, race, and Hispanic origin**

[In thousands]

Weeks of unemployment	Total		White		Black and other		Hispanic origin <sup>1</sup>	
	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978
<b>Duration</b>								
Total, 16 years and over .....	6,712	6,055	5,134	4,588	1,578	1,467	437	456
Less than 5 weeks .....	2,934	2,994	2,334	2,363	600	631	214	258
5 to 14 weeks .....	2,159	1,935	1,584	1,411	575	524	122	128
15 weeks and over .....	1,619	1,127	1,216	815	403	312	102	70
15 to 26 weeks .....	705	519	541	391	164	129	42	31
27 weeks and over .....	914	608	675	424	239	184	59	39
Average (mean) duration, in weeks .....	13.3	11.1	13.0	10.5	14.4	13.0	13.3	9.7
Median duration, in weeks .....	6.3	5.1	6.0	4.9	7.1	6.3	5.3	4.4
<b>Percent distribution</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	43.7	49.4	45.5	51.5	38.0	43.0	49.0	56.6
5 to 14 weeks .....	32.2	32.0	30.9	30.7	36.4	35.7	27.9	28.1
15 weeks and over .....	24.1	18.6	23.7	17.8	25.5	21.3	23.1	15.4
15 to 26 weeks .....	10.5	8.6	10.5	8.5	10.4	8.8	9.6	6.8
27 weeks and over .....	13.6	10.0	13.1	9.2	15.1	12.5	13.5	8.6

<sup>1</sup> See footnote 2, table A-59.

**A-66. Unemployed persons by reason for unemployment, race and Hispanic origin**

[Numbers in thousands]

Reason for unemployment	Total		White		Black and other		Hispanic origin <sup>1</sup>	
	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978
<b>NUMBER OF UNEMPLOYED</b>								
Total, 16 years and over .....	6,712	6,055	5,134	4,588	1,578	1,467	437	407
Job losers .....	2,753	2,225	2,176	1,734	576	492	212	162
On layoff .....	728	595	623	473	105	122	44	36
Other job losers .....	2,025	1,630	1,553	1,261	472	369	168	126
Job leavers .....	956	940	812	772	144	169	57	60
Reentrants .....	1,917	1,896	1,409	1,413	508	483	98	130
New entrants .....	1,086	.993	737	670	349	324	70	55
<b>PERCENT DISTRIBUTION</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	41.0	36.7	42.4	37.8	36.5	33.5	48.5	39.8
On layoff .....	10.8	9.8	12.1	10.3	6.6	8.3	10.1	8.8
Other job losers .....	30.2	26.9	30.3	27.5	29.9	25.2	38.4	31.0
Job leavers .....	14.2	15.5	15.8	16.8	9.2	11.5	13.0	14.7
Reentrants .....	28.6	31.3	27.4	30.8	32.2	32.9	22.4	31.9
New entrants .....	16.2	16.4	14.4	14.6	22.1	22.1	16.0	13.5
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>								
Job losers .....	2.8	2.2	2.5	1.9	5.0	4.0	4.6	3.3
Job leavers .....	1.0	.9	.9	.9	1.2	1.4	1.2	1.2
Reentrants .....	1.9	1.9	1.6	1.6	4.4	3.9	2.1	2.6
New entrants .....	1.1	1.0	.8	.7	3.0	2.6	1.5	1.1

<sup>1</sup> See footnote 2, table A-59.

# HOUSEHOLD DATA QUARTERLY AVERAGES

## A-67. Employment status of male Vietnam-Era veterans and nonveterans 20 to 34 years of age

[Numbers in thousands]

Employment status	Not seasonally adjusted		Seasonally adjusted								
			1976			1977			1978		
	III 1977	III 1978	III	IV	I	II	III	IV	I	II	III
<b>VETERANS<sup>1</sup></b>											
Total, 20 to 34 years:											
Civilian noninstitutional population <sup>2</sup>	6,815	6,461	6,710	6,797	6,853	6,848	6,815	6,753	6,592	6,528	6,461
Civilian labor force	6,531	6,160	6,336	6,417	6,489	6,495	6,528	6,438	6,283	6,199	6,142
Employed	6,093	5,869	5,817	5,893	6,015	6,005	6,029	6,018	5,949	5,934	5,807
Unemployed	438	291	519	524	473	491	499	420	333	265	335
Unemployment rate	6.7	4.7	8.2	8.2	7.3	7.6	7.6	6.5	5.3	4.3	5.5
20 to 24 years											
Civilian noninstitutional population <sup>2</sup>	1,042	736	1,071	1,083	1,084	1,069	1,042	968	827	784	736
Civilian labor force	948	668	934	953	965	935	944	862	737	696	660
Employed	798	598	762	790	804	788	776	743	642	633	581
Unemployed	150	70	172	163	161	147	168	120	95	63	79
Unemployment rate	15.8	10.5	18.4	17.1	16.7	15.7	17.8	13.9	12.9	9.1	12.0
25 to 29 years											
Civilian noninstitutional population <sup>2</sup>	2,994	2,297	3,250	3,186	3,109	3,039	2,994	2,813	2,539	2,417	2,297
Civilian labor force	2,872	2,169	3,067	3,009	2,938	2,896	2,872	2,670	2,400	2,292	2,171
Employed	2,700	2,033	2,841	2,768	2,725	2,675	2,682	2,499	2,270	2,175	2,020
Unemployed	172	136	225	241	212	221	190	170	130	116	152
Unemployment rate	6.0	6.3	7.3	8.0	7.2	7.6	6.6	6.4	5.4	5.1	7.0
30 to 34 years											
Civilian noninstitutional population <sup>2</sup>	2,779	3,428	2,389	2,528	2,660	2,740	2,779	2,972	3,226	3,327	3,428
Civilian labor force	2,711	3,323	2,335	2,455	2,586	2,665	2,712	2,906	3,145	3,212	3,311
Employed	2,595	3,238	2,214	2,335	2,486	2,542	2,571	2,776	3,037	3,126	3,206
Unemployed	116	85	122	120	100	123	141	130	109	86	105
Unemployment rate	4.3	2.6	5.2	4.9	3.9	4.6	5.2	4.5	3.5	2.7	3.2
<b>NONVETERANS</b>											
Total, 20 to 34 years:											
Civilian noninstitutional population <sup>2</sup>	17,711	18,586	16,849	16,999	17,191	17,445	17,711	17,988	18,164	18,385	18,586
Civilian labor force	16,284	17,170	15,181	15,448	15,619	15,717	15,955	16,242	16,503	16,685	16,803
Employed	15,171	16,261	13,889	14,082	14,342	14,569	14,763	15,104	15,363	15,689	15,829
Unemployed	1,113	909	1,293	1,366	1,278	1,148	1,192	1,137	1,140	996	974
Unemployment rate	6.8	5.3	8.5	8.8	8.2	7.3	7.5	7.0	6.9	6.0	5.8
20 to 24 years											
Civilian noninstitutional population <sup>2</sup>	8,181	8,419	7,951	7,982	8,037	8,106	8,181	8,299	8,311	8,379	8,419
Civilian labor force	7,236	7,467	6,732	6,867	6,914	6,864	6,949	7,065	7,119	7,169	7,160
Employed	6,584	6,907	5,994	6,058	6,167	6,182	6,262	6,406	6,422	6,586	6,569
Unemployed	652	560	738	809	747	682	687	659	697	583	591
Unemployment rate	9.0	7.5	11.0	11.8	10.8	9.9	9.9	9.3	9.8	8.1	8.3
25 to 29 years											
Civilian noninstitutional population <sup>2</sup>	5,355	6,172	5,120	5,173	5,240	5,301	5,355	5,574	5,860	6,015	6,172
Civilian labor force	5,057	5,891	4,833	4,878	4,953	4,988	5,031	5,249	5,567	5,683	5,849
Employed	4,767	5,654	4,462	4,516	4,591	4,684	4,713	4,951	5,268	5,404	5,589
Unemployed	290	237	371	362	362	304	318	298	299	279	260
Unemployment rate	5.7	4.0	7.7	7.4	7.3	6.1	6.3	5.7	5.4	4.9	4.4
30 to 34 years											
Civilian noninstitutional population <sup>2</sup>	4,175	3,995	3,778	3,844	3,914	4,038	4,175	4,115	3,993	3,991	3,995
Civilian labor force	3,991	3,812	3,616	3,703	3,753	3,866	3,975	3,928	3,818	3,833	3,794
Employed	3,820	3,700	3,433	3,508	3,584	3,703	3,789	3,747	3,673	3,699	3,671
Unemployed	171	112	184	194	169	163	186	181	144	134	123
Unemployment rate	4.3	2.9	5.1	5.2	4.5	4.2	4.7	4.6	3.8	3.5	3.2

<sup>1</sup> Vietnam-Era veterans are those who served between August 5, 1964, and May 7, 1975.

<sup>2</sup> Since seasonal variations are not present in the population figures, identical numbers appear in the unadjusted and seasonally adjusted columns.

HOUSEHOLD DATA  
QUARTERLY AVERAGES

**A-68. Employment status of male Vietnam-Era veterans and nonveterans 20 to 34 years by age, race, and Hispanic origin**

[Numbers in thousands]

Employment status	Veterans <sup>1</sup>								Nonveterans							
	White		Black and other		Hispanic origin <sup>2</sup>		White		Black and other		Hispanic origin <sup>2</sup>					
	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978
<b>Total, 20 to 34 years:</b>																
Civilian noninstitutional population .....	6,099	5,804	716	657	N.A.	255	15,423	16,167	2,288	2,419	N.A.	1,245				
Civilian labor force .....	5,870	5,553	661	607	N.A.	234	14,340	15,118	1,944	2,052	N.A.	1,143				
Employed .....	5,537	5,330	556	539	N.A.	218	13,523	14,449	1,648	1,812	N.A.	1,064				
Unemployed .....	333	223	105	68	N.A.	16	817	669	296	240	N.A.	79				
Unemployment rate .....	5.7	4.0	15.9	11.2	N.A.	6.8	5.7	4.4	15.2	11.7	N.A.	6.9				
<b>20 to 24 years</b>																
Civilian noninstitutional population .....	854	631	188	105	N.A.	38	7,170	7,322	1,011	1,097	N.A.	572				
Civilian labor force .....	781	576	167	92	N.A.	31	6,438	6,611	798	856	N.A.	510				
Employed .....	682	528	116	70	N.A.	28	5,961	6,202	623	705	N.A.	464				
Unemployed .....	99	48	51	22	N.A.	3	477	409	175	151	N.A.	46				
Unemployment rate .....	12.7	8.3	30.5	23.9	N.A.	(3)	7.4	6.2	21.9	17.6	N.A.	9.0				
<b>25 to 29 years</b>																
Civilian noninstitutional population .....	2,700	2,053	294	244	N.A.	110	4,657	5,396	698	776	N.A.	394				
Civilian labor force .....	2,597	1,945	275	224	N.A.	102	4,435	5,189	622	702	N.A.	375				
Employed .....	2,454	1,841	246	192	N.A.	91	4,215	5,013	552	641	N.A.	359				
Unemployed .....	143	104	29	32	N.A.	11	220	176	70	61	N.A.	16				
Unemployment rate .....	5.5	5.3	10.5	14.3	N.A.	10.8	5.0	3.4	11.3	8.7	N.A.	4.3				
<b>30 to 34 years</b>																
Civilian noninstitutional population .....	2,545	3,120	234	308	N.A.	107	3,596	3,449	579	546	N.A.	279				
Civilian labor force .....	2,492	3,032	219	291	N.A.	101	3,467	3,318	524	494	N.A.	258				
Employed .....	2,401	2,961	194	277	N.A.	99	3,347	3,234	473	466	N.A.	241				
Unemployed .....	91	71	25	14	N.A.	2	120	84	51	28	N.A.	17				
Unemployment rate .....	3.7	2.3	11.4	14.8	N.A.	2.0	3.5	2.5	9.7	5.7	N.A.	6.6				

<sup>1</sup> Vietnam-Era veterans are those who served between August 5, 1964 and May 7, 1975.

<sup>2</sup> See footnote 2, table A-59.

<sup>3</sup> Percent not shown where base is less than 60,000.

N.A.=Not available.

**HOUSEHOLD DATA  
QUARTERLY AVERAGES**

**A-69. Employment status of the population in metropolitan and nonmetropolitan areas by sex, age, and race**

(Numbers in thousands)

Employment status	Metropolitan areas						Nonmetropolitan areas					
	Total		Central cities		Suburbs		Total		Farm		Nonfarm	
	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978
<b>Total</b>												
Civilian noninstitutional population .....	106,713	107,629	45,204	45,425	61,509	62,204	50,051	51,606	4,735	4,867	45,316	46,739
Civilian labor force .....	67,856	69,520	27,654	28,373	40,202	41,147	30,834	32,322	3,093	3,187	27,741	29,135
Percent of population .....	63.6	64.6	61.2	62.5	65.4	66.1	61.6	62.6	65.3	65.5	61.2	62.3
Employed .....	63,024	65,236	25,266	26,266	37,758	38,970	28,954	30,550	3,020	3,109	25,934	27,441
Unemployed .....	4,832	4,283	2,388	2,107	2,444	2,176	1,880	1,772	73	77	1,807	1,695
Unemployment rate .....	7.1	6.2	8.6	7.4	6.1	5.3	6.1	5.5	2.4	2.4	6.5	5.8
Not in labor force .....	38,857	38,110	17,550	17,052	21,307	21,058	19,217	19,284	1,642	1,681	17,575	17,603
<b>Males, 20 years and over</b>												
Civilian noninstitutional population .....	44,723	45,284	18,603	18,674	26,120	26,610	21,226	21,850	2,154	2,199	19,072	19,651
Civilian labor force .....	36,269	36,667	14,489	14,514	21,780	22,153	16,534	17,148	1,816	1,849	14,718	15,299
Percent of population .....	81.1	81.0	77.9	77.7	83.4	83.3	77.9	78.5	84.3	84.1	77.2	77.9
Employed .....	34,501	35,222	13,548	13,746	20,953	21,476	15,921	16,603	1,796	1,829	14,125	14,774
Unemployed .....	1,768	1,444	941	767	827	677	612	545	19	20	593	525
Unemployment rate .....	4.9	3.9	6.5	5.3	3.8	3.1	3.7	3.2	1.1	1.1	4.0	3.4
Not in labor force .....	8,454	8,617	4,114	4,160	4,340	4,457	4,692	4,702	338	349	4,354	4,353
<b>Females, 20 years and over</b>												
Civilian noninstitutional population .....	50,837	51,332	22,192	22,366	28,645	28,966	23,494	24,317	2,014	2,086	21,480	22,231
Civilian labor force .....	24,630	25,744	10,666	11,234	13,964	14,510	10,866	11,548	885	922	9,981	10,626
Percent of population .....	48.4	50.2	48.1	50.2	48.7	50.1	46.3	47.5	43.9	44.2	46.5	47.8
Employed .....	22,806	24,090	9,792	10,437	13,014	13,653	10,099	10,796	856	884	9,243	9,912
Unemployed .....	1,824	1,654	873	797	951	857	767	752	29	38	738	714
Unemployment rate .....	7.4	6.4	8.2	7.1	6.8	5.9	7.1	6.5	3.2	4.1	7.4	6.7
Not in labor force .....	26,207	25,588	11,525	11,132	14,682	14,456	12,628	12,768	1,130	1,164	11,498	11,604
<b>Both sexes, 16-19 years</b>												
Civilian noninstitutional population .....	11,153	11,013	4,411	4,385	6,742	6,628	5,330	5,439	567	583	4,763	4,856
Civilian labor force .....	6,957	7,109	2,500	2,625	4,457	4,484	3,434	3,626	393	415	3,041	3,211
Percent of population .....	62.4	64.6	56.7	59.9	66.1	67.7	64.4	66.7	69.2	71.2	63.8	66.1
Employed .....	5,717	5,924	1,926	2,083	3,791	3,841	2,934	3,151	368	396	2,566	2,755
Unemployed .....	1,240	1,186	573	543	667	643	500	475	25	19	475	456
Unemployment rate .....	17.8	16.7	22.9	20.7	15.0	14.3	14.6	13.1	6.3	4.7	15.6	14.2
Not in labor force .....	4,196	3,904	1,911	1,760	2,285	2,144	1,897	1,813	175	168	1,722	1,645
<b>White</b>												
Civilian noninstitutional population .....	92,224	93,003	34,699	34,924	57,525	58,079	45,646	46,820	4,471	4,538	41,175	42,282
Civilian labor force .....	58,919	60,186	21,342	21,874	37,577	38,312	28,216	29,399	2,931	3,004	25,285	26,395
Percent of population .....	63.9	64.7	61.5	62.6	65.3	66.0	61.8	62.8	65.5	66.2	61.4	62.4
Employed .....	55,328	57,036	19,876	20,610	35,452	36,426	26,672	27,961	2,869	2,940	23,803	25,021
Unemployed .....	3,590	3,150	1,466	1,265	2,124	1,885	1,544	1,438	61	64	1,483	1,374
Unemployment rate .....	6.1	5.2	6.9	5.8	5.7	4.9	5.5	4.9	2.1	2.1	5.9	5.2
Not in labor force .....	33,305	32,817	13,357	13,051	19,948	19,766	17,430	17,420	1,540	1,534	15,890	15,886
<b>Black and other</b>												
Civilian noninstitutional population .....	14,489	14,627	10,506	10,500	3,983	4,127	4,404	4,786	265	329	4,139	4,457
Civilian labor force .....	8,937	9,334	6,312	6,498	2,625	2,836	2,618	2,923	162	183	2,456	2,740
Percent of population .....	61.7	63.8	60.1	61.2	65.9	68.7	59.4	61.1	61.4	55.5	59.3	61.5
Employed .....	7,696	8,201	5,390	5,656	2,306	2,545	2,282	2,589	151	169	2,131	2,420
Unemployed .....	1,242	1,133	922	843	320	290	336	334	12	14	324	320
Unemployment rate .....	13.9	12.1	14.6	13.0	12.2	10.2	12.8	11.4	7.1	7.4	13.2	11.7
Not in labor force .....	5,552	5,293	4,194	4,002	1,358	1,291	1,787	1,863	102	146	1,685	1,717

HOUSEHOLD DATA  
QUARTERLY AVERAGES

**A-70. Employment status of the population in poverty and nonpoverty areas by race**

(Number in thousands)

Employment status	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978
<b>Total</b>												
Civilian noninstitutional population	29,179	29,009	127,585	130,226	11,579	11,213	95,134	96,417	17,600	17,796	32,451	33,810
Civilian labor force	16,365	16,558	82,325	85,283	6,216	6,154	61,640	63,366	10,149	10,405	20,685	21,917
Percent of population	56.1	57.1	64.5	65.5	53.7	54.9	64.8	65.7	57.7	58.5	63.7	64.8
Employed	14,882	15,145	77,096	80,641	5,365	5,401	57,659	59,835	9,517	9,744	19,437	20,806
Unemployed	1,483	1,413	5,229	4,642	851	752	3,981	3,531	632	660	1,248	1,111
Unemployment rate	9.1	8.5	6.4	5.4	13.7	12.2	6.5	5.6	6.2	6.3	6.0	5.1
Not in labor force	12,814	12,451	45,259	44,943	5,363	5,059	33,494	33,050	7,451	7,391	11,766	11,892
<b>White</b>												
Civilian noninstitutional population	20,501	20,413	117,369	119,409	5,901	5,753	86,323	87,250	14,600	14,660	31,046	32,160
Civilian labor force	11,706	11,816	75,428	77,769	3,244	3,214	55,675	56,972	8,463	8,603	19,754	20,797
Percent of population	57.1	57.9	64.3	65.1	55.0	55.9	64.5	65.3	58.0	58.7	63.6	64.7
Employed	10,998	11,098	71,003	73,899	2,954	2,928	52,375	54,108	8,045	8,170	18,628	19,791
Unemployed	708	718	4,426	3,870	290	286	3,300	2,864	418	432	1,126	1,006
Unemployment rate	6.0	6.1	5.9	5.0	8.9	8.9	5.9	5.0	4.9	5.0	5.7	4.8
Not in labor force	8,794	8,597	41,941	41,641	2,657	2,539	30,648	30,278	6,137	6,057	11,293	11,363
<b>Black and other</b>												
Civilian noninstitutional population	8,678	8,596	10,216	10,817	5,678	5,460	8,811	9,167	3,000	3,136	1,404	1,650
Civilian labor force	4,658	4,742	6,897	7,514	2,972	2,940	5,965	6,394	1,686	1,802	932	1,120
Percent of population	53.7	55.2	67.5	69.5	52.3	53.8	67.7	69.8	56.2	57.5	66.3	67.9
Employed	3,884	4,048	6,094	6,742	2,412	2,474	5,284	5,727	1,472	1,574	810	1,015
Unemployed	775	694	803	773	561	466	681	667	214	228	122	106
Unemployment rate	16.6	14.6	11.6	10.3	18.9	15.9	11.4	10.4	12.7	12.7	13.1	9.4
Not in labor force	4,020	3,854	3,319	3,302	2,706	2,520	2,846	2,773	1,314	1,334	473	530

**A-71. Unemployment rates for selected labor force groups in poverty and nonpoverty areas by sex, age, and race**

Sex, age, and race	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978	III 1977	III 1978
<b>Total</b>												
Both sexes, 16 years and over	9.1	8.5	6.4	5.4	13.7	12.2	6.5	5.6	6.2	6.3	6.0	5.1
Males, 20 years and over	6.6	5.6	4.1	3.3	11.4	9.1	4.2	3.5	3.8	3.6	3.7	3.0
Females, 20 years and over	9.2	9.2	6.9	5.9	12.0	11.2	6.9	5.9	7.3	7.9	6.9	5.9
Both sexes, 16-19 years	21.0	20.2	15.9	14.5	30.9	29.8	16.5	15.3	15.0	14.6	14.4	12.4
<b>White</b>												
Both sexes, 16 years and over	6.0	6.1	5.9	5.0	8.9	8.9	5.9	5.0	4.9	5.0	5.7	4.8
Males, 20 years and over	4.4	4.1	3.8	3.1	7.7	6.8	3.9	3.1	3.2	3.1	3.5	2.8
Females, 20 years and over	6.6	7.0	6.5	5.5	8.9	9.1	6.5	5.3	5.7	6.2	6.6	5.8
Both sexes, 16-19 years	13.2	12.9	14.2	13.1	16.8	19.1	14.7	13.7	12.0	10.8	13.1	11.5
<b>Black and other</b>												
Both sexes, 16 years and over	16.6	14.6	11.6	10.3	18.9	15.9	11.4	10.4	12.7	12.7	13.1	9.4
Males, 20 years and over	12.9	9.8	7.9	6.6	16.1	12.1	8.0	6.7	7.5	6.3	6.9	5.8
Females, 20 years and over	14.8	13.8	10.4	9.9	15.0	13.2	10.1	10.2	14.5	14.8	11.9	7.9
Both sexes, 16-19 years	38.2	36.1	36.4	31.4	43.0	39.6	36.0	32.3	29.0	30.4	38.0	27.7

**HOUSEHOLD DATA**  
**QUARTERLY AVERAGES**

**A-72. Unemployed persons by family relationship and presence of employed family members**

(Numbers in thousands)

Family relationship	III 1977			III 1978		
	Total	Percent of unemployed:		Total	Percent of unemployed:	
		With no employed person in family	With at least one employed person in family		With no employed person in family	With at least one employed person in family
<b>TOTAL</b>						
Unemployed, total . . . . .	6,712	37.4	62.6	56.7	6,055	36.9
Unemployed, in families <sup>1</sup> . . . . .	5,837	28.0	72.0	65.2	5,207	26.6
Husbands <sup>2</sup> . . . . .	1,168	53.1	46.9	37.0	968	50.5
Wives . . . . .	1,462	13.1	86.9	82.0	1,288	10.5
Relatives in husband-wife families . . . . .	1,970	9.9	90.1	86.7	1,728	9.7
Women who head families . . . . .	449	79.7	20.3	12.0	436	79.6
Relatives of female heads . . . . .	788	34.4	65.6	52.0	787	31.6
Unemployed, not in families <sup>3</sup> . . . . .	875	--	--	--	848	--
<b>White</b>						
Unemployed, total . . . . .	5,134	35.7	64.3	59.2	4,588	35.2
Unemployed, in families <sup>1</sup> . . . . .	4,426	25.4	74.6	68.6	3,860	24.5
Husbands <sup>2</sup> . . . . .	963	53.9	46.1	36.6	805	50.4
Wives . . . . .	1,245	11.2	88.8	84.6	1,084	10.0
Relatives in husband-wife families . . . . .	1,553	8.4	91.6	89.0	1,346	8.7
Women who head families . . . . .	263	74.1	25.9	14.8	263	77.2
Relatives of female heads . . . . .	402	34.8	65.2	52.5	436	29.6
Unemployed, not in families <sup>3</sup> . . . . .	708	--	--	--	654	--
<b>Black<sup>4</sup></b>						
Unemployed, total . . . . .	1,449	41.7	58.3	48.9	1,306	42.6
Unemployed, in families <sup>1</sup> . . . . .	1,311	35.5	64.5	54.1	1,143	34.4
Husbands <sup>2</sup> . . . . .	177	44.1	55.9	39.5	139	51.8
Wives . . . . .	192	22.9	77.1	67.7	175	12.6
Relatives in husband-wife families . . . . .	381	15.0	85.0	78.5	325	13.8
Women who head families . . . . .	181	87.8	12.2	7.7	167	82.6
Relatives of female heads . . . . .	380	33.7	66.3	51.6	337	34.4
Unemployed, not in families <sup>3</sup> . . . . .	138	--	--	--	163	--

<sup>1</sup> In primary families only.

<sup>2</sup> Includes a small number of single, separated, widowed, or divorced men who head families.

<sup>3</sup> Includes unrelated individuals and persons in secondary families.

<sup>4</sup> According to the 1970 Census, black workers comprised about 89 percent of the "black and other" population group.

HOUSEHOLD DATA  
QUARTERLY AVERAGES

**A-73. Employed persons by family relationship and presence of additional employed family members**

(Numbers in thousands)

Family relationship	III 1977			III 1978				
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed per- son in family	With another employed per- son in family	With another person in family em- ployed full time		With no other employed per- son in family	With another employed per- son in family	With another person in family em- ployed full time
<b>TOTAL</b>								
Employed, total .....	91,978	37.5	62.5	54.4	95,786	37.2	62.8	54.9
Employed, in families <sup>1</sup> .....	80,217	28.4	71.6	62.3	82,536	27.1	72.9	63.7
Husbands <sup>2</sup> .....	39,286	42.4	57.6	43.7	39,549	40.6	59.4	45.4
Wives .....	20,360	8.7	91.3	87.1	21,167	8.2	91.8	87.8
Relatives in husband-wife families .....	13,186	5.8	94.2	90.9	13,806	5.7	94.3	91.2
Women who head families .....	3,985	65.0	35.0	26.2	4,401	64.0	36.0	26.7
Relatives of female heads .....	3,400	28.4	71.6	61.2	3,613	26.4	73.6	62.8
Employed, not in families <sup>3</sup> .....	11,761	--	--	--	13,250	--	--	--
<b>White</b>								
Employed, total .....	82,001	37.2	62.8	54.6	84,997	36.7	63.3	55.2
Employed, in families <sup>1</sup> .....	71,648	28.1	71.9	62.5	73,546	26.9	73.1	63.8
Husbands <sup>2</sup> .....	35,886	42.9	57.1	43.0	36,067	41.1	58.9	44.6
Wives .....	18,196	8.1	91.9	87.6	18,984	7.9	92.1	88.1
Relatives in husband-wife families .....	12,070	5.6	94.4	91.3	12,536	5.6	94.4	91.7
Women who head families .....	2,928	63.3	36.7	27.3	3,237	61.4	38.6	28.9
Relatives of female heads .....	2,568	28.0	72.0	62.4	2,722	26.7	73.3	63.3
Employed, not in families <sup>3</sup> .....	10,353	--	--	--	11,451	--	--	--
<b>Black<sup>4</sup></b>								
Employed, total .....	8,513	41.3	58.7	51.4	9,125	41.7	58.3	50.7
Employed, in families <sup>1</sup> .....	7,331	31.9	68.1	59.6	7,617	30.2	69.8	60.8
Husbands <sup>2</sup> .....	2,877	37.6	62.4	51.0	2,881	35.3	64.7	53.6
Wives .....	1,794	13.2	86.8	82.2	1,787	11.5	88.5	83.0
Relatives in husband-wife families .....	895	8.0	92.0	86.6	1,008	7.7	92.3	85.4
Women who head families .....	999	71.1	28.9	21.8	1,104	71.6	28.4	20.6
Relatives of female heads .....	766	30.9	69.1	56.9	837	25.1	74.9	61.6
Employed, not in families <sup>3</sup> .....	1,182	--	--	--	1,508	--	--	--

<sup>1</sup> See footnote 1, table A-72.

<sup>2</sup> See footnote 2, table A-72.

<sup>3</sup> See footnote 3, table A-72.

<sup>4</sup> See footnote 4, table A-72.

ESTABLISHMENT DATA  
HISTORICAL EMPLOYMENT

B-1. Employees on nonagricultural payrolls, by industry division 1919 to date

Year and month	Total	Goods-producing				Transportation and public utilities	Service-producing										
		Total	Mining	Construction	Manufacturing		Wholesale and retail trade			Finance, insurance, and real estate	Services	Government					
							Total	Whole- sale trade	Retail trade			Total	Federal	State and local			
												Total	Federal	State and local			
1919	27,078	12,828	1,133	1,036	10,659	14,250	3,711	4,514	-	1,096	2,253	2,676	-	-			
1920	27,340	12,760	1,239	863	10,658	14,580	3,998	4,467	-	1,160	2,352	2,603	-	-			
1925	28,766	12,489	1,089	1,461	9,939	16,277	3,826	5,576	-	1,218	2,857	2,800	-	-			
1926	29,806	12,911	1,185	1,570	10,156	16,895	3,942	5,784	-	1,290	3,033	2,846	-	-			
1927	29,962	12,738	1,114	1,623	10,001	17,224	3,895	5,908	-	1,352	3,154	2,915	-	-			
1928	29,986	12,618	1,050	1,621	9,947	17,368	3,828	5,874	-	1,420	3,251	2,995	-	-			
1929	31,324	13,301	1,087	1,512	10,702	18,023	3,916	6,123	-	1,494	3,425	3,065	533	2,532			
1930	29,409	11,958	1,009	1,387	9,562	17,451	3,685	5,797	-	1,460	3,361	3,148	526	2,622			
1931	26,635	10,272	873	1,229	8,170	16,363	3,254	5,284	-	1,392	3,169	3,264	560	2,704			
1932	23,615	8,647	731	985	6,931	14,968	2,816	4,683	-	1,326	2,918	3,225	559	2,666			
1933	23,699	8,965	744	824	7,397	14,734	2,672	4,755	-	1,280	2,861	3,166	565	2,601			
1934	25,940	10,261	883	877	8,501	15,679	2,750	5,281	-	1,304	3,045	3,299	652	2,647			
1935	27,039	10,893	897	927	9,069	16,146	2,786	5,431	-	1,320	3,128	3,481	753	2,728			
1936	29,068	11,933	946	1,160	9,827	17,135	2,973	5,809	-	1,373	3,312	3,668	826	2,842			
1937	31,011	12,936	1,015	1,127	10,794	18,075	3,134	6,265	-	1,417	3,503	3,756	833	2,923			
1938	29,194	11,401	891	1,070	9,440	17,793	2,863	6,179	-	1,410	3,458	3,883	829	3,054			
1939	30,603	12,297	854	1,165	10,278	18,306	2,936	6,426	1,762	4,664	1,447	3,502	3,995	905	3,090		
1940	32,361	13,221	925	1,311	10,985	19,140	3,038	6,750	1,835	4,914	1,485	3,665	4,202	996	3,206		
1941	36,539	15,963	957	1,814	13,192	20,574	3,274	7,210	1,960	5,250	1,525	3,905	4,660	1,340	3,320		
1942	40,106	18,470	992	2,198	15,280	21,636	3,460	7,118	1,906	5,212	1,509	4,066	5,483	2,213	3,270		
1943	42,434	20,114	925	1,587	17,602	22,320	3,647	6,982	1,822	5,160	1,481	4,130	6,080	2,905	3,174		
1944	41,864	19,328	892	1,108	17,328	22,536	3,829	7,058	1,845	5,213	1,461	4,145	6,043	2,928	3,116		
1945	40,374	17,507	836	1,147	15,524	22,867	3,906	7,314	1,949	5,365	1,481	4,222	5,944	2,808	3,137		
1946	41,652	17,248	862	1,683	14,703	24,404	4,061	8,376	2,291	6,085	1,675	4,697	5,595	2,254	3,341		
1947	43,857	18,509	955	2,009	15,545	25,348	4,166	8,955	2,471	6,484	1,728	5,025	5,474	1,892	3,582		
1948	44,866	18,774	994	2,198	15,582	26,092	4,189	9,272	2,605	6,667	1,800	5,181	5,650	1,863	3,787		
1949	43,754	17,565	930	2,194	14,441	26,189	4,001	9,264	2,602	6,662	1,828	5,240	5,856	1,908	3,948		
1950	45,197	18,506	901	2,364	15,241	26,691	4,034	9,386	2,635	6,751	1,888	5,357	6,026	1,928	4,098		
1951	47,819	19,959	929	2,637	16,393	27,860	4,226	9,742	2,727	7,015	1,956	5,547	6,389	2,302	4,087		
1952	48,793	20,198	898	2,668	16,632	28,595	4,248	10,004	2,812	7,192	2,035	5,699	6,609	2,420	4,188		
1953	50,202	21,074	866	2,659	17,549	29,128	4,290	10,247	2,854	7,393	2,111	5,835	6,645	2,305	4,340		
1954	48,990	19,751	791	2,646	16,314	29,239	4,084	10,235	2,867	7,368	2,200	5,969	6,751	2,188	4,563		
1955	50,641	20,513	792	2,839	16,882	30,128	4,141	10,535	2,926	7,609	2,298	6,240	6,914	2,187	4,727		
1956	52,369	21,104	822	3,039	17,243	31,265	4,244	10,858	3,018	7,840	2,389	6,497	7,277	2,209	5,069		
1957	52,853	20,964	828	2,962	17,174	31,889	4,241	10,886	3,028	7,858	2,438	6,708	7,616	2,217	5,399		
1958	51,324	19,513	751	2,817	15,945	31,811	3,976	10,750	2,980	7,770	2,481	6,765	7,839	2,191	5,648		
1959 <sup>1</sup>	53,268	20,411	732	3,004	16,675	32,857	4,011	11,127	3,082	8,045	2,549	7,087	8,083	2,233	5,850		
1960	54,189	20,434	712	2,926	16,796	33,755	4,004	11,391	3,143	8,248	2,629	7,378	8,353	2,270	6,083		
1961	53,999	19,857	672	2,859	16,326	34,142	3,903	11,337	3,133	8,204	2,688	7,620	8,594	2,279	6,315		
1962	55,549	20,451	650	2,948	16,853	35,098	3,906	11,566	3,198	8,368	2,754	7,982	8,890	2,340	6,550		
1963	56,653	20,640	635	3,010	16,995	36,013	3,903	11,778	3,248	8,530	2,830	8,277	9,225	2,358	6,868		
1964	58,283	21,005	634	3,097	17,274	37,278	3,951	12,160	3,337	8,823	2,911	8,660	9,596	2,348	7,248		
1965	60,765	21,926	632	3,232	18,062	38,839	4,036	12,716	3,466	9,250	2,977	9,036	10,074	2,378	7,696		
1966	63,901	23,158	627	3,317	19,214	40,743	4,158	13,245	3,597	9,648	3,058	9,498	10,784	2,564	8,220		
1967	65,803	23,308	613	3,248	19,447	42,495	4,268	13,606	3,689	9,917	3,185	10,045	11,391	2,719	8,672		
1968	67,897	23,737	606	3,350	19,781	44,160	4,318	14,099	3,779	10,320	3,337	10,567	11,839	2,737	9,102		
1969	70,384	24,361	619	3,525	20,167	46,023	4,442	14,705	3,907	10,798	3,512	11,169	12,195	2,758	9,437		
1970	70,862	23,560	623	3,588	19,349	47,302	4,515	15,040	3,993	11,047	3,645	11,548	12,554	2,731	9,823		
1971	71,163	22,885	609	3,704	18,572	48,278	4,476	15,352	4,001	11,351	3,772	11,797	12,881	2,696	10,185		
1972	73,675	23,668	628	3,889	19,151	50,007	4,541	15,949	4,113	11,836	3,908	12,276	13,334	2,684	10,649		
1973	76,790	24,893	642	4,097	20,154	51,897	4,656	16,607	4,277	12,329	4,046	12,857	13,732	2,663	11,068		
1974	78,265	24,794	697	4,020	20,077	53,471	4,725	16,987	4,433	12,554	4,148	13,441	14,170	2,724	11,446		
1975	76,945	22,600	752	3,525	18,323	54,345	4,542	17,060	4,415	12,645	4,165	13,892	14,686	2,748	11,937		
1976	79,382	23,352	779	3,576	18,997	56,030	4,582	17,755	4,546	13,209	4,271	14,551	14,871	2,733	12,138		
1977	82,256	24,288	809	3,833	19,647	57,968	4,696	18,492	4,697	13,795	4,452	15,249	15,079	2,727	12,352		
Sept.	83,452	25,057	837	4,157	20,063	58,395	4,779	18,756	4,750	14,006	4,491	15,473	14,896	2,717	12,179		
Oct.	83,891	24,968	837	4,139	19,992	58,923	4,749	18,799	4,769	14,030	4,503	15,541	15,331	2,714	12,617		
Nov.	84,276	24,880	841	4,062	19,977	59,396	4,760	19,088	4,780	14,308	4,521	15,537	15,490	2,716	12,774		
Dec.	84,464	24,568	682	3,896	19,990	59,896	4,773	14,771	4,797	14,533	15,540	15,482	12,724	12,758			
1978:																	
Jan.	82,724	24,018	669	3,507	19,842	58,706	4,706	18,806	4,768	14,038	4,526	15,316	15,352	2,711	12,641		
Feb.	82,962	23,996	668	3,464	19,864	58,966	4,720	18,615	4,780	13,835	4,550	15,482	15,599</td				

**ESTABLISHMENT DATA**  
**EMPLOYMENT**

**B-2. Employees on nonagricultural payrolls, by industry**

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>b</sup>	Sept. 1978 <sup>b</sup>	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>b</sup>	Sept. 1978 <sup>b</sup>
	<b>TOTAL</b>	82,556	83,452	85,925	86,155	86,618	-	-	-	-	-
	<b>PRIVATE SECTOR</b>	68,172	68,556	70,996	71,374	71,455	55,883	56,236	58,120	58,412	58,487
-	<b>MINING</b>	809	837	900	901	892	612	638	681	680	674
10	<b>METAL MINING</b>	80.0	80.1	97.4	97.2	-	57.9	57.3	74.9	75.2	-
101	Iron ores	10.2	9.7	25.1	25.1	-	5.9	5.5	20.2	20.3	-
102	Copper ores	33.5	33.6	34.7	34.6	-	24.8	24.6	26.3	26.4	-
11, 12	<b>COAL MINING</b>	215.4	247.1	246.0	242.5	-	181.8	212.0	205.1	200.7	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b>	211.9	243.6	242.9	239.4	-	178.7	208.9	202.4	198.0	-
13	<b>OIL AND GAS EXTRACTION</b>	389.9	387.7	428.4	432.6	-	273.1	271.3	298.3	301.7	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	174.1	171.0	183.4	184.7	-	89.4	87.2	91.0	91.4	-
138	Oil and gas field services	215.8	216.7	245.0	247.9	-	183.7	184.1	207.3	210.3	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b>	123.7	122.3	128.2	128.2	-	98.7	97.8	103.0	102.6	-
142	Crushed and broken stone	43.1	42.7	45.3	45.4	-	36.1	35.7	38.3	38.4	-
144	Sand and gravel	37.5	36.8	39.3	39.6	-	-	-	-	-	-
147	Chemical and fertilizer minerals	23.6	23.6	23.5	23.0	-	-	-	-	-	-
-	<b>CONSTRUCTION</b>	4,187	4,157	4,572	4,630	4,561	3,333	3,299	3,673	3,733	3,672
15	<b>GENERAL BUILDING CONTRACTORS</b>	1,205.4	1,190.6	1,300.6	1,314.2	-	956.0	938.8	1,022.8	1,036.7	-
152	Residential building construction	637.1	631.4	696.9	707.8	-	498.3	490.6	538.1	548.9	-
153	Operative builders	81.1	80.3	85.8	85.8	-	57.5	56.2	57.7	57.7	-
154	Nonresidential building construction	487.2	478.9	517.9	520.6	-	400.2	392.0	427.0	430.1	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b>	886.2	887.9	991.4	1,002.6	-	706.1	702.4	816.8	829.7	-
161	Highway and street construction	299.4	295.2	350.1	351.8	-	258.8	255.0	305.9	308.1	-
162	Heavy construction, except highway	586.8	592.7	641.3	650.8	-	447.3	447.4	510.9	521.6	-
17	<b>SPECIAL TRADE CONTRACTORS</b>	2,095.2	2,078.6	2,279.5	2,313.2	-	1,671.2	1,657.3	1,833.5	1,866.2	-
171	Plumbing, heating, air conditioning	495.2	493.4	537.7	547.8	-	374.6	375.0	411.7	421.5	-
172	Painting, paper hanging, decorating	143.0	137.3	158.4	159.6	-	120.7	115.8	135.2	136.2	-
173	Electrical work	353.6	353.4	376.2	384.3	-	274.8	275.5	294.0	301.7	-
174	Masonry, stonework, and plastering	334.9	331.3	362.7	371.4	-	289.2	285.5	314.6	324.0	-
175	Carpentering and flooring	131.9	128.3	140.4	139.6	-	103.4	100.2	111.3	110.4	-
176	Roofing and sheet metal work	142.5	144.0	169.6	170.5	-	115.2	116.2	140.3	141.0	-
-	<b>MANUFACTURING</b>	19,871	20,063	20,240	20,463	20,635	14,268	14,464	14,476	14,672	14,876
24, 25, 32-39	<b>DURABLE GOODS</b>	11,626	11,798	12,111	12,166	12,334	8,304	8,475	8,648	8,687	8,864
20-23, 26-31	<b>NONDURABLE GOODS</b>	8,245	8,265	8,129	8,297	8,301	5,964	5,989	5,828	5,985	6,012
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b>	750.2	750.0	769.1	773.7	762.5	643.7	642.8	661.0	663.2	653.0
241	Logging camps and logging contractors	91.4	91.0	94.1	94.0	-	76.3	75.7	77.4	77.3	-
242	Sawmills and planing mills	235.1	236.6	241.6	243.2	-	210.4	211.2	216.6	217.5	-
2421	Sawmills and planing mills, general	196.2	197.1	202.4	202.8	-	175.9	176.2	182.2	182.0	-
2426	Hardwood dimension and flooring	32.6	32.8	32.7	33.8	-	29.0	29.1	28.8	29.8	-
243	Millwork, plywood, and structural members	212.8	212.7	219.2	220.5	-	181.5	181.2	186.1	186.6	-
2431	Millwork	77.4	77.2	79.6	79.5	-	64.3	64.1	66.0	65.6	-
2434	Wood kitchen cabinets	45.7	46.9	49.1	50.0	-	38.5	39.6	41.1	41.9	-
2435	Hardwood veneer and plywood	26.1	25.9	25.7	26.4	-	23.2	23.0	23.0	23.6	-
2436	Softwood veneer and plywood	47.7	47.2	48.4	48.0	-	42.3	41.7	42.7	42.0	-
244	Wooden containers	42.8	42.1	44.0	44.2	-	37.7	37.1	38.8	39.0	-
245	Wood buildings and mobile homes	88.1	87.5	86.7	86.6	-	71.5	71.1	71.8	71.2	-
2451	Mobile homes	59.6	60.1	58.4	58.2	-	49.4	50.0	50.2	49.7	-
248	Miscellaneous wood products	80.0	80.1	83.5	85.2	-	66.3	66.5	70.3	71.6	-
25	<b>FURNITURE AND FIXTURES</b>	466.6	473.6	473.8	484.7	487.4	384.0	389.5	387.0	397.6	400.0
261	Household furniture	316.6	322.1	317.0	325.7	-	269.3	273.9	267.8	276.2	-
2611	Wood household furniture	142.0	144.3	141.6	144.6	-	125.3	127.4	124.6	127.6	-
2612	Upholstered household furniture	98.3	99.5	99.2	103.6	-	82.4	83.4	81.6	85.9	-
2614	Metal household furniture	28.0	28.8	27.9	27.8	-	22.1	22.8	22.2	22.1	-
2615	Mattresses and bedsprings	32.0	32.2	32.4	33.2	-	24.9	25.1	25.3	25.9	-
252	Office furniture	42.3	42.3	44.2	45.0	-	34.1	34.1	35.8	36.7	-
253	Public building and related furniture	23.3	23.5	24.8	24.6	-	17.8	17.8	18.8	18.7	-
254	Partitions and fixtures	59.6	60.2	61.8	63.0	-	45.6	46.1	46.7	47.8	-
259	Miscellaneous furniture and fixtures	24.8	25.5	26.0	26.4	-	17.2	17.6	17.9	18.2	-

See footnotes at end of table.

ESTABLISHMENT DATA  
EMPLOYMENT

B-2. Employees on nonagricultural payrolls, by industry—Continued

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 P	Sept. 1978 P	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 P	Sept. 1978 P
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	690.3	689.1	713.1	710.7	707.5	554.0	552.1	568.6	566.4	562.2
321	Flat glass	22.3	21.9	22.1	21.0	—	18.0	17.7	17.6	16.5	—
322	Glass and glassware, pressed or blown	135.3	136.6	138.5	138.3	—	117.9	118.8	119.1	118.7	—
3221	Glass containers	77.9	77.0	79.3	79.2	—	70.4	69.4	70.2	70.2	—
3229	Pressed and blown glass, nec	57.4	59.6	59.2	59.1	—	47.5	49.4	48.9	48.5	—
323	Products of purchased glass	43.8	44.2	47.2	47.7	—	33.4	33.6	34.2	34.4	—
324	Cement, hydraulic	31.7	30.9	32.4	32.7	—	25.2	24.6	26.1	26.1	—
325	Structural clay products	53.2	52.5	52.6	52.5	—	43.1	42.4	41.5	41.8	—
326	Pottery and related products	46.8	47.5	47.2	47.2	—	39.4	40.0	39.5	39.8	—
327	Concrete, gypsum, and plaster products	209.2	207.2	217.7	217.5	—	165.4	163.0	171.9	172.0	—
3271	Concrete block and brick	24.2	23.7	25.1	25.0	—	17.0	16.5	17.8	17.7	—
3272	Concrete products, nec	71.9	71.6	73.3	73.4	—	57.5	56.9	57.5	57.8	—
3273	Ready-mixed concrete	93.0	91.4	97.5	97.4	—	74.7	73.1	78.9	78.7	—
329	Misc. nonmetallic mineral products	135.1	135.7	143.0	141.2	—	101.3	101.9	108.7	106.8	—
3291	Abrasive products	26.5	26.6	28.4	28.9	—	18.7	18.8	19.5	19.8	—
3292	Asbestos products	21.6	21.8	23.0	22.6	—	16.8	16.8	17.8	17.3	—
3296	Mineral wool	28.0	28.0	31.8	30.7	—	—	—	—	—	—
33	<b>PRIMARY METAL INDUSTRIES</b>	1,180.4	1,191.5	1,205.0	1,206.9	1,226.5	916.8	930.5	944.7	946.6	964.9
331	Blast furnace and basic steel products	563.6	554.9	564.8	564.4	—	439.6	432.4	445.8	446.2	—
3312	Blast furnaces and steel mills	479.4	471.1	481.4	480.6	—	375.7	368.7	381.8	382.2	—
3317	Steel pipe and tubes	30.0	29.9	29.1	29.7	—	23.0	23.0	22.6	23.0	—
332	Iron and steel foundries	226.0	237.8	234.8	228.9	—	183.5	196.0	191.0	184.8	—
3321	Gray iron foundries	141.8	150.6	149.1	143.8	—	116.6	125.9	123.4	117.8	—
3322	Malleable iron foundries	22.7	23.2	22.3	22.6	—	18.7	19.2	18.1	18.3	—
3325	Steel foundries, nec	53.3	54.1	53.4	53.4	—	42.4	43.4	42.5	42.7	—
333	Primary nonferrous metals	60.2	66.6	68.1	68.2	—	44.3	51.5	53.0	53.3	—
3334	Primary aluminum	32.0	33.0	34.8	34.9	—	25.7	26.7	28.3	28.4	—
335	Nonferrous rolling and drawing	197.3	200.6	201.1	206.3	—	142.8	145.8	145.8	150.3	—
3361	Copper rolling and drawing	32.7	32.6	32.5	32.8	—	25.0	25.4	25.2	25.3	—
3353	Aluminum sheet, plate, and foil	32.6	33.1	33.7	37.0	—	23.6	24.2	24.6	27.4	—
3357	Nonferrous wire drawing and insulating	80.0	81.5	79.7	80.4	—	58.8	60.0	58.5	59.2	—
336	Nonferrous foundries	90.1	88.3	90.8	93.3	—	74.3	72.5	74.4	77.1	—
3361	Aluminum foundries	50.0	47.4	50.2	51.3	—	42.1	39.3	41.9	43.0	—
34	<b>FABRICATED METAL PRODUCTS</b>	1,591.0	1,604.0	1,634.5	1,648.3	1,670.4	1,204.2	1,217.6	1,235.0	1,247.2	1,269.0
341	Metal cans and shipping containers	80.3	79.3	80.0	79.9	—	68.0	67.1	67.6	67.7	—
3411	Metal cans	66.8	65.7	66.3	65.9	—	57.1	56.0	56.5	56.4	—
342	Cutlery, hand tools, and hardware	176.4	179.2	185.1	184.9	—	135.6	138.9	143.8	143.4	—
3423.5	Hand and edge tools, and hand saws and blades	58.3	58.7	63.2	63.7	—	44.8	45.3	49.5	50.0	—
3429	Hardware, nec	102.8	105.0	105.9	105.1	—	79.7	82.2	82.5	81.5	—
343	Plumbing and heating, except electric	69.1	68.9	67.8	69.5	—	51.4	51.3	49.4	51.4	—
3432	Plumbing fittings and brass goods	26.1	25.3	25.8	26.0	—	21.4	20.7	20.8	21.1	—
3433	Heating equipment, except electric	31.9	32.6	32.5	33.5	—	22.4	23.0	22.1	23.3	—
344	Fabricated structural metal products	485.9	489.5	502.5	506.2	—	345.7	349.3	356.2	359.9	—
3441	Fabricated structural metal	98.7	99.9	100.3	101.9	—	70.4	72.0	71.6	73.0	—
3442	Metal doors, sash, and trim	83.4	84.5	84.8	84.6	—	64.4	65.4	64.3	64.2	—
3443	Fabricated plate work (boiler shops)	141.6	141.9	145.7	147.5	—	93.3	93.6	94.8	96.4	—
3444	Sheet metal work	97.2	97.6	102.4	102.0	—	72.4	77.5	76.4	76.0	—
3446	Architectural metal work	31.7	32.0	33.1	33.4	—	22.4	22.7	23.9	24.2	—
345	Screw machine products, bolts, etc.	99.9	100.9	105.9	107.2	—	78.3	79.0	83.0	83.8	—
3461	Screw machine products	46.9	47.3	50.7	51.0	—	38.7	39.0	41.9	41.9	—
3452	Bolts, nuts, rivets, and washers	53.0	53.6	55.2	56.2	—	39.6	40.0	41.1	41.9	—
346	Metal forgings and stampings	284.8	292.1	284.6	289.8	—	228.9	236.4	228.1	232.4	—
3462	Iron and steel forgings	48.8	50.2	48.2	53.8	—	39.0	40.4	38.4	43.1	—
3465	Automotive stampings	106.5	113.3	107.6	106.5	—	88.9	95.6	89.5	88.4	—
3469	Metal stampings, nec	118.7	117.7	117.7	118.3	—	92.7	92.1	91.6	92.2	—
347	Metal services, nec	93.3	93.2	95.9	97.0	—	77.1	77.0	78.9	79.9	—
3471	Plating and polishing	65.0	65.0	68.2	69.1	—	54.1	54.2	56.8	57.6	—
3479	Metal coating and allied services	28.3	28.2	27.7	27.9	—	23.0	22.8	22.1	22.3	—
348	Ordnance and accessories, nec	58.3	58.1	59.6	60.0	—	41.1	40.8	41.7	42.0	—
3483	Ammunition, exc. for small arms, nec	24.4	24.4	25.0	24.8	—	17.5	17.4	17.6	17.5	—
349	Misc. fabricated metal products	243.0	242.8	253.1	253.8	—	178.1	177.8	186.3	186.7	—
3494	Valves and pipe fittings	97.6	96.4	100.0	99.1	—	65.9	64.6	68.2	67.3	—
3496	Misc. fabricated wire products	48.1	48.6	49.8	51.3	—	36.7	37.2	38.0	39.2	—
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	2,185.8	2,210.5	2,331.3	2,335.3	2,362.5	1,425.0	1,448.1	1,524.0	1,523.6	1,555.5
351	Engines and turbines	124.3	126.5	134.0	132.6	—	78.8	80.7	86.6	85.0	—
3511	Turbines and turbine generator sets	44.4	44.4	45.3	45.6	—	23.3	23.3	24.1	24.5	—
3519	Internal combustion engines, nec	79.9	82.1	88.7	87.0	—	55.5	57.4	62.5	60.5	—
352	Farm and garden machinery	163.5	166.8	155.6	158.5	—	111.3	115.4	105.6	108.1	—
3523	Farm machinery and equipment	148.6	151.3	140.2	143.8	—	101.7	105.1	95.3	98.5	—
353	Construction and related machinery	358.0	361.7	387.6	399.1	—	237.7	241.2	259.1	260.2	—
3531	Construction machinery	157.6	160.5	171.5	172.4	—	107.5	110.3	117.3	118.0	—

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**EMPLOYMENT**

**B-2. Employees on nonagricultural payrolls, by industry—Continued**

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 P	Sept. 1978 P	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 P	Sept. 1978 P
<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>											
3532	Mining machinery.....	34.5	34.6	34.9	35.2	—	22.0	22.1	22.3	22.3	—
3533	Oil field machinery.....	70.9	71.2	77.2	77.4	—	48.3	48.6	53.8	53.7	—
3535	Conveyors and conveying equipment.....	29.5	29.8	32.0	32.2	—	17.6	18.0	18.8	19.2	—
3537	Industrial trucks and tractors.....	33.9	34.3	39.0	39.0	—	23.3	23.5	27.2	27.2	—
354	Metalworking machinery.....	320.6	327.8	341.7	340.2	—	231.4	238.1	248.5	247.1	—
3541	Machine tools, metal cutting types.....	64.2	65.7	70.2	70.0	—	40.7	42.0	45.4	45.0	—
3542	Machine tools, metal forming types.....	22.5	23.0	24.0	23.6	—	14.7	15.1	15.8	15.3	—
3544	Special dies, tools, jigs, and fixtures.....	121.0	124.0	127.2	126.8	—	96.2	99.2	101.8	101.4	—
3545	Machine tool accessories.....	59.1	59.8	63.8	63.9	—	41.9	42.6	45.6	45.4	—
3546	Power driven hand tools.....	31.6	31.9	32.8	31.8	—	23.6	23.7	23.9	23.7	—
355	Special industry machinery.....	191.3	192.6	196.9	197.9	—	120.6	121.1	123.2	124.1	—
3551	Food products machinery.....	44.0	44.5	45.5	45.4	—	27.5	27.8	28.2	28.0	—
3552	Textile machinery.....	30.8	30.9	29.6	29.9	—	22.0	22.1	20.7	21.5	—
3555	Printing trades machinery.....	32.1	32.7	36.0	36.2	—	18.9	19.2	21.5	21.5	—
356	General industrial machinery.....	296.3	297.8	308.1	309.5	—	196.8	198.9	205.2	204.8	—
3561	Pumps and pumping equipment.....	60.7	61.1	60.9	61.0	—	37.9	38.2	37.7	37.4	—
3562	Ball and roller bearings.....	56.1	56.3	57.3	57.2	—	42.5	42.8	43.9	43.6	—
3563	Air and gas compressors.....	27.8	28.0	29.6	29.7	—	16.5	16.7	17.0	17.2	—
3564	Blowers and fans.....	35.1	35.8	36.4	37.1	—	22.1	23.1	23.4	23.5	—
3566	Speed changers, drives, and gears.....	23.6	24.5	25.6	25.3	—	16.2	17.0	17.5	17.3	—
3568	Power transmission equipment, nec.....	22.2	22.3	22.2	22.3	—	15.6	16.1	16.0	16.1	—
357	Office and computing machines.....	316.3	319.5	355.6	356.6	—	142.8	144.3	161.3	160.1	—
3573	Electronic computing equipment.....	244.3	246.7	278.2	279.9	—	100.3	101.0	114.9	114.7	—
358	Refrigeration and service machinery.....	170.7	171.4	187.1	184.6	—	118.3	119.6	131.6	130.0	—
3585	Refrigeration and heating equipment.....	118.5	118.7	130.6	128.4	—	83.0	83.4	92.5	90.9	—
359	Misc. machinery, except electrical.....	244.8	246.4	264.7	266.3	—	187.3	188.8	202.9	204.2	—
3592	Carburetors, pistons, rings, valves.....	36.0	36.6	37.1	37.7	—	28.3	28.7	29.2	29.1	—
3599	Machinery, except electrical, nec.....	208.8	209.8	227.6	228.6	—	159.0	160.1	173.7	175.1	—
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b> .....	1,880.4	1,901.4	1,957.4	1,973.4	1,996.3	1,231.7	1,253.2	1,273.2	1,289.0	1,309.4
361	Electric distributing equipment.....	119.7	119.8	119.4	121.3	—	85.5	85.7	85.3	86.7	—
3612	Transformers.....	54.5	54.5	55.7	57.1	—	38.4	38.5	39.2	40.2	—
3613	Switchgear and switchboard apparatus.....	65.2	65.3	63.7	64.2	—	47.1	47.2	46.1	46.5	—
362	Electrical industrial apparatus.....	231.0	233.4	241.8	242.5	—	165.2	167.7	172.3	173.0	—
3621	Motors and generators.....	124.7	126.5	129.9	129.2	—	93.9	95.7	97.0	96.4	—
3622	Industrial controls.....	63.7	64.3	67.6	68.2	—	40.9	41.6	43.9	44.2	—
363	Household appliances.....	181.8	184.9	186.7	183.8	—	141.4	144.6	147.6	144.5	—
3632	Household refrigerators and freezers.....	43.6	44.4	49.6	44.9	—	34.0	34.8	39.9	35.0	—
3633	Household laundry equipment.....	23.0	22.0	24.0	22.6	—	17.9	17.0	19.0	17.6	—
3634	Electric housewares and fans.....	53.3	55.1	50.4	52.6	—	41.3	43.3	40.0	42.3	—
364	Electric lighting and wiring equipment.....	204.6	207.3	209.7	213.9	—	155.8	158.3	157.4	161.2	—
3641	Electric lamps.....	38.0	38.3	37.5	37.9	—	33.3	33.6	32.7	33.1	—
3643	Current-carrying wiring devices.....	82.6	83.0	87.6	88.6	—	59.0	59.2	61.4	62.3	—
3644	Residential lighting fixtures.....	23.3	23.8	22.6	22.6	—	17.1	17.6	16.2	16.1	—
365	Radio and TV receiving equipment.....	127.2	130.9	119.5	121.8	—	94.1	97.4	88.0	90.2	—
3651	Radio and TV receiving sets.....	101.7	103.2	95.4	97.6	—	73.9	75.1	69.2	71.2	—
366	Communication equipment.....	463.3	465.3	491.1	493.8	—	224.0	227.1	236.6	240.2	—
3661	Telephone and telegraph apparatus.....	147.9	149.5	150.7	150.4	—	99.3	101.5	103.5	104.1	—
3662	Radio and TV communication equipment.....	315.4	315.8	340.4	343.4	—	124.7	125.6	133.1	136.1	—
367	Electronic components and accessories.....	404.7	406.5	436.2	442.0	—	252.8	254.4	271.4	277.1	—
3671-3	Electronic tubes.....	40.9	41.3	43.1	43.0	—	25.8	26.3	28.5	28.2	—
3674	Semiconductors and related devices.....	149.9	150.7	164.5	166.3	—	71.1	71.2	75.7	77.7	—
3679	Electronic components, nec.....	155.4	156.3	168.2	171.3	—	108.7	110.1	118.5	121.6	—
369	Misc. electrical equipment and supplies.....	148.1	153.3	153.0	154.3	—	112.9	118.0	114.6	116.1	—
3691	Storage batteries.....	25.8	27.1	27.0	27.9	—	20.3	21.5	20.8	22.0	—
3694	Engine electrical equipment.....	72.7	76.3	76.7	76.7	—	57.7	61.1	60.3	60.3	—
37	<b>TRANSPORTATION EQUIPMENT</b> .....	1,815.8	1,905.4	1,927.3	1,910.8	1,988.3	1,228.8	1,317.4	1,316.3	1,294.7	1,378.2
371	Motor vehicles and equipment.....	891.2	965.1	947.0	925.3	—	674.9	750.3	727.7	699.8	—
3711	Motor vehicles and car bodies.....	396.6	452.9	432.1	412.7	—	280.9	337.9	314.1	289.9	—
3713	Truck and bus bodies.....	48.1	49.0	50.7	52.3	—	38.0	39.0	40.6	42.2	—
3714	Motor vehicle parts and accessories.....	419.5	436.4	434.2	429.0	—	335.2	352.5	349.2	343.0	—
3715	Truck trailers.....	27.0	26.8	30.0	31.3	—	20.8	20.9	23.8	24.7	—
372	Aircraft and parts.....	487.7	496.9	531.9	534.7	—	251.2	258.2	274.8	278.3	—
3721	Aircraft.....	283.4	286.1	307.6	311.9	—	133.4	135.7	143.0	147.4	—
3724	Aircraft engines and engine parts.....	117.7	122.6	131.2	128.9	—	64.3	67.7	73.0	71.2	—
3728	Aircraft equipment, nec.....	86.6	88.2	93.1	93.9	—	53.5	54.8	58.8	59.7	—
373	Ship and boat building and repairing.....	216.8	216.7	214.0	(*)	—	173.9	173.1	171.9	(*)	—
3731	Ship building and repairing.....	170.7	170.1	166.7	(*)	—	136.0	135.1	133.2	(*)	—
3732	Boat building and repairing.....	46.1	46.6	47.3	47.0	—	37.9	38.0	38.7	38.2	—
374	Railroad equipment.....	57.7	59.1	57.1	(*)	—	42.6	43.9	42.6	(*)	—
376	Guided missiles, space vehicles, parts.....	81.4	81.7	82.8	83.2	—	25.7	25.7	25.7	25.9	—
3761	Guided missiles and space vehicles.....	63.1	63.3	63.1	63.3	—	18.0	18.0	17.4	17.6	—

See footnotes at end of table.

ESTABLISHMENT DATA  
EMPLOYMENT

B-2. Employees on nonagricultural payrolls, by industry—Continued

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978P	Sept. 1978P	Aug. 1977	Sept. 1977	July 1978	Aug. 1978P	Sept. 1978P
379	TRANSPORTATION EQUIPMENT—Continued										
3792	Miscellaneous transportation equipment .....	63.3	67.8	76.6	77.0	—	46.3	51.5	59.2	59.6	—
	Travel trailers and campers .....	41.7	46.1	52.1	51.4	—	31.2	36.4	42.1	41.4	—
38	INSTRUMENTS AND RELATED PRODUCTS.....	618.8	620.7	658.4	663.0	666.0	375.2	378.2	403.0	406.7	411.6
381	Engineering and scientific instruments .....	64.3	64.2	68.0	68.3	—	30.3	30.6	33.0	33.5	—
382	Measuring and controlling devices .....	200.3	201.9	217.7	218.9	—	125.9	127.3	138.6	139.8	—
3822	Environmental controls .....	47.8	48.0	49.7	48.4	—	33.3	33.6	34.6	33.7	—
3823	Process control instruments .....	46.0	46.4	48.1	48.1	—	24.2	24.6	25.3	25.3	—
3825	Instruments to measure electricity .....	72.7	73.1	84.2	86.5	—	44.8	44.8	53.7	55.6	—
383	Optical instruments and lenses .....	25.7	26.1	27.9	28.1	—	14.8	15.1	15.8	15.6	—
384	Medical instruments and supplies .....	128.8	129.3	140.8	142.4	—	85.8	86.0	93.7	94.9	—
3841	Surgical and medical instruments .....	50.6	51.0	56.7	57.7	—	33.3	33.5	37.7	38.4	—
3842	Surgical appliances and supplies .....	61.2	61.5	65.7	66.6	—	41.4	41.4	44.0	44.7	—
385	Ophthalmic goods .....	41.7	41.4	41.3	41.7	—	30.7	30.5	30.1	30.6	—
386	Photographic equipment and supplies .....	129.2	128.2	133.9	133.9	—	65.5	65.5	69.7	69.3	—
387	Watches, clocks, and watchcases .....	28.8	29.6	28.8	29.7	—	22.2	23.2	22.1	23.0	—
39	MISCELLANEOUS MANUFACTURING	446.4	451.9	441.2	459.4	466.6	341.0	345.7	335.1	352.3	359.7
	INDUSTRIES .....	59.2	60.5	57.1	62.0	—	43.2	44.3	41.2	46.0	—
391	Jewelry, silverware, and plated ware .....	37.9	38.9	37.0	39.5	—	27.1	27.9	26.3	29.0	—
3911	Jewelry, precious metal .....	23.0	23.7	24.1	25.6	—	18.5	19.2	19.6	21.0	—
393	Musical instruments .....	127.2	128.6	118.1	118.6	—	98.4	99.6	91.3	91.9	—
394	Toy and sporting goods .....	65.3	64.8	55.4	59.6	—	49.9	49.6	41.7	45.7	—
3942	Dolls, games, toys, and children's vehicles .....	61.9	63.8	62.7	59.0	—	48.5	50.0	49.6	46.2	—
3943	Sporting and athletic goods, nec .....	35.0	35.1	34.7	34.8	—	25.1	25.2	24.8	25.1	—
395	Pens, pencils, office and art supplies .....	61.4	62.0	59.9	68.7	—	49.6	50.1	47.6	55.6	—
396	Costume jewelry and notions .....	32.4	33.0	31.6	38.5	—	26.7	27.1	25.3	31.5	—
3961	Costume jewelry .....	149.6	142.0	147.3	149.7	—	106.2	107.3	110.6	112.7	—
3994	Signs and advertising displays .....	49.3	50.5	52.9	53.8	—	35.2	36.0	38.3	38.9	—
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS .....	1,818.7	1,827.9	1,720.5	1,783.1	1,789.0	1,259.7	1,271.6	1,165.8	1,228.8	1,244.4
201	Meat products .....	355.2	356.3	359.8	361.5	—	292.7	293.8	297.1	299.2	—
2011	Meat packing plants .....	171.3	172.0	170.1	171.4	—	137.8	138.6	136.7	138.3	—
2013	Sausages and other prepared meats .....	69.6	69.4	69.5	69.5	—	50.9	50.9	50.9	51.0	—
2016	Poultry dressing plants .....	100.9	101.3	106.2	106.8	—	92.1	92.3	97.1	97.7	—
202	Dairy products .....	194.3	191.3	194.7	195.2	—	102.3	100.3	103.5	103.9	—
2022	Cheese, natural and processed .....	31.7	31.2	32.5	32.3	—	24.6	24.4	25.4	25.3	—
2026	Fluid milk .....	124.6	123.8	123.2	123.8	—	54.2	53.8	53.9	54.3	—
203	Preserved fruits and vegetables .....	338.8	345.5	236.1	289.7	—	292.4	298.9	193.0	245.8	—
2032	Canned specialties .....	29.6	30.2	27.0	28.5	—	21.4	21.9	18.8	20.3	—
2033	Canned fruits and vegetables .....	186.6	188.8	98.0	145.0	—	168.9	170.9	81.8	128.5	—
2037	Frozen fruits and vegetables .....	46.9	49.7	37.2	36.4	—	40.7	43.3	31.9	31.0	—
204	Grain mill products .....	144.8	145.6	143.5	144.9	—	98.1	98.6	96.1	97.6	—
2041	Flour and other grain mill products .....	24.6	24.5	24.6	24.5	—	16.2	16.2	15.4	15.6	—
2043	Prepared feeds, nec .....	61.0	61.4	62.1	62.2	—	38.0	38.1	39.1	39.2	—
205	Bakery products .....	235.7	236.0	229.3	229.4	—	136.8	137.5	133.7	134.2	—
2051	Bread, cake, and related products .....	194.9	194.5	189.7	189.1	—	104.6	104.3	102.4	102.1	—
2052	Cookies and crackers .....	40.8	41.5	39.6	40.3	—	32.2	33.2	31.3	32.1	—
206	Sugar and confectionery products .....	104.6	109.6	98.6	103.4	—	78.9	84.2	73.7	78.0	—
2061.3	Cane and beet sugar .....	29.5	31.6	27.5	27.9	—	21.3	23.4	19.1	19.4	—
2065	Confectionery products .....	55.0	58.5	51.9	55.4	—	43.4	47.1	40.9	44.0	—
207	Fats and oils .....	39.7	40.7	40.6	40.7	—	27.9	29.0	29.1	28.9	—
208	Beverages .....	236.5	233.3	240.4	237.9	—	110.8	109.7	111.6	111.0	—
2082	Malt beverages .....	53.2	52.0	52.3	51.8	—	36.1	35.3	35.6	34.9	—
2086	Bottled and canned soft drinks .....	140.0	136.6	146.0	143.7	—	51.5	49.5	52.7	52.5	—
209	Misc. foods and kindred products .....	169.1	169.6	177.5	180.4	—	119.8	119.6	128.0	130.2	—
21	TOBACCO MANUFACTURES .....	77.5	79.3	67.4	73.9	76.9	62.9	64.4	52.5	58.6	62.1
211	Cigarettes .....	49.3	49.4	49.6	49.5	—	39.0	38.8	38.4	38.3	—
22	TEXTILE MILL PRODUCTS .....	919.9	918.7	893.9	907.4	913.1	800.4	799.3	776.2	790.3	796.2
221	Weaving mills, cotton .....	160.0	160.7	149.0	151.1	—	144.2	144.7	133.5	135.7	—
222	Weaving mills, synthetics .....	125.2	125.0	120.2	119.7	—	112.0	112.0	107.2	106.9	—
223	Weaving and finishing mills, wool .....	20.7	20.4	20.0	20.9	—	17.2	17.0	16.6	17.4	—
224	Narrow fabric mills .....	25.6	25.6	25.5	26.0	—	22.2	22.4	22.3	22.7	—
225	Knitting mills .....	240.0	239.5	239.6	245.2	—	207.1	206.8	207.0	212.9	—
2251	Women's hosiery, except socks .....	28.2	28.2	28.5	30.1	—	24.9	24.8	25.3	26.9	—
2252	Hosiery, nec .....	34.9	34.8	35.6	35.6	—	31.5	31.5	32.4	32.3	—
2253	Knit outerwear mills .....	77.9	78.2	76.2	78.5	—	66.4	66.9	65.0	67.7	—
2254	Knit underwear mills .....	35.1	34.9	37.5	37.6	—	30.3	30.2	32.3	32.5	—

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**EMPLOYMENT**

**B-2. Employees on nonagricultural payrolls, by industry—Continued**

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>					
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>p</sup>	Sept. 1978 <sup>p</sup>	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>p</sup>	Sept. 1978 <sup>p</sup>	
<b>TEXTILE MILL PRODUCTS—Continued</b>												
2257	Circular knit fabric mills	37.0	37.2	35.9	37.0	—	31.2	31.1	30.0	31.2	—	
226	Textile finishing, except wool	81.4	81.1	78.7	79.4	—	69.0	68.7	66.5	67.4	—	
2261	Finishing plants, cotton	33.3	33.2	32.7	33.4	—	27.8	27.6	27.2	28.0	—	
2262	Finishing plants, synthetics	30.3	30.2	29.7	29.5	—	26.0	26.0	25.5	25.3	—	
227	Floor covering mills	60.4	60.7	60.7	61.9	—	48.6	48.8	48.9	50.1	—	
228	Yarn and thread mills	134.9	133.5	130.4	132.0	—	123.2	121.3	118.3	120.1	—	
2281	Yarn mills, except wool	87.8	87.5	88.2	88.3	—	81.4	81.0	81.5	81.6	—	
2282	Throwing and winding mills	23.0	21.5	21.2	21.6	—	20.6	19.0	18.8	19.2	—	
229	Miscellaneous textile goods	71.7	72.2	69.8	71.2	—	56.9	57.6	55.9	57.1	—	
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>		1,319.1	1,329.7	1,263.6	1,316.4	1,327.5	1,132.3	1,142.3	1,082.0	1,133.1	1,144.4
231	Men's and boys' suits and coats	90.9	90.7	86.2	89.2	—	79.8	79.8	75.5	78.3	—	
232	Men's and boys' furnishings	380.9	380.9	352.0	368.4	—	329.0	328.9	304.2	319.8	—	
2321	Men's and boys' shirts and nightwear	107.9	106.8	100.7	106.2	—	93.9	92.8	87.8	92.8	—	
2327	Men's and boys' separate trousers	89.7	89.0	82.6	85.0	—	79.1	78.5	72.1	74.9	—	
2328	Men's and boys' work clothing	99.4	100.6	84.5	90.5	—	83.4	84.7	71.4	76.7	—	
233	Women's and misses' outerwear	424.7	424.6	406.2	423.2	—	368.1	367.4	349.7	365.6	—	
2331	Women's and misses' blouses and waists	56.5	56.0	55.8	58.0	—	49.5	49.1	48.8	50.9	—	
2335	Women's and misses' dresses	162.2	161.2	150.8	158.2	—	143.3	141.9	132.3	139.1	—	
2337	Women's and misses' suits and coats	69.4	69.4	62.8	66.5	—	59.1	59.1	53.6	57.2	—	
2339	Women's and misses' outerwear, nec.	136.6	138.0	136.8	140.5	—	116.2	117.3	115.0	118.4	—	
234	Women's and children's undergarments	95.8	96.5	90.2	93.5	—	81.9	82.7	76.9	79.8	—	
2341	Women's and children's underwear	75.6	75.9	71.1	74.2	—	65.8	66.2	61.8	64.6	—	
2342	Brassieres and allied garments	20.2	20.6	19.1	19.3	—	16.1	16.5	15.1	15.2	—	
236	Children's outerwear	67.2	68.2	68.3	69.2	—	57.1	57.9	58.1	59.2	—	
2361	Children's dresses and blouses	24.9	26.2	25.6	24.5	—	22.1	23.4	23.1	22.0	—	
238	Misc. apparel and accessories	61.7	62.9	58.5	63.1	—	53.4	54.7	49.7	54.7	—	
239	Misc. fabricated textile products	179.0	186.5	182.1	191.7	—	146.7	154.2	150.6	160.0	—	
2391	Curtains and draperies	29.6	30.3	27.7	30.5	—	25.7	26.3	23.9	26.7	—	
2392	House furnishings, nec.	47.8	51.0	49.9	52.3	—	39.1	41.9	41.5	43.9	—	
2396	Automotive and apparel trimmings	32.8	35.5	32.2	35.4	—	26.3	29.6	26.1	29.3	—	
26	<b>PAPER AND ALLIED PRODUCTS</b>		704.3	701.1	710.7	705.3	701.5	528.9	527.0	534.9	527.2	526.1
261, 2,6	Paper and pulp mills	212.4	209.9	210.8	202.6	—	163.4	161.4	160.7	151.5	—	
262	Paper mills, except building paper	182.1	179.9	182.4	176.1	—	139.2	137.4	138.0	130.8	—	
263	Paperboard mills	67.3	66.1	68.2	67.2	—	52.7	51.8	53.4	52.5	—	
264	Misc. converted paper products	211.5	212.1	216.3	217.8	—	148.7	149.5	154.3	154.7	—	
2641	Paper coating and glazing	55.2	54.8	57.2	57.1	—	26.9	26.5	30.4	29.7	—	
2642	Envelopes	23.7	24.0	23.6	24.4	—	18.8	19.0	18.5	19.1	—	
2643	Bags, except textile bags	47.4	48.6	48.2	49.2	—	37.4	38.7	38.0	38.6	—	
265	Paperboard containers and boxes	213.1	213.0	215.4	217.7	—	164.1	164.3	166.5	168.5	—	
2651	Folding paperboard boxes	42.0	42.0	42.2	42.8	—	33.3	33.3	33.3	34.0	—	
2653	Corrugated and solid fiber boxes	105.6	105.8	108.5	109.2	—	77.6	77.9	80.6	80.9	—	
2654	Sanitary food containers	32.9	32.6	33.2	33.4	—	27.0	26.9	27.5	27.8	—	
27	<b>PRINTING AND PUBLISHING</b>		1,142.3	1,146.2	1,183.2	1,190.2	1,182.6	644.9	648.7	664.0	668.9	663.4
271	Newspapers	397.8	399.0	409.7	411.7	—	168.3	169.4	166.6	168.2	—	
272	Periodicals	75.3	75.5	78.7	80.7	—	14.8	15.1	14.6	14.5	—	
273	Books	98.5	97.6	102.7	102.0	—	48.9	48.1	51.6	51.1	—	
2731	Book publishing	68.1	67.4	72.5	71.3	—	23.3	22.7	26.1	25.1	—	
2732	Book printing	30.4	30.2	30.2	30.7	—	25.6	25.4	25.5	26.0	—	
274	Miscellaneous publishing	45.0	44.7	45.4	46.1	—	24.3	24.4	26.8	27.7	—	
275	Commercial printing	362.7	366.3	377.1	379.1	—	268.1	270.7	278.2	279.9	—	
2751	Commercial printing, letterpress	158.0	159.6	163.2	164.8	—	118.1	119.0	120.4	121.8	—	
2752	Commercial printing, lithographic	183.3	185.0	192.0	193.7	—	132.2	134.1	139.7	140.9	—	
276	Manifold business forms	42.0	42.4	44.3	45.0	—	29.8	30.2	31.9	32.6	—	
278	Blankbooks and bookbinding	58.8	58.3	62.4	62.0	—	48.5	48.1	51.5	51.7	—	
279	Printing trade services	38.6	38.9	39.0	39.1	—	28.7	29.1	28.1	28.4	—	
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>		1,084.3	1,078.0	1,097.8	1,101.6	1,093.2	620.5	617.6	630.0	629.8	626.5
281	Industrial inorganic chemicals	163.9	163.0	166.1	167.1	—	95.4	94.8	93.9	93.9	—	
2819	Industrial inorganic chemicals, nec.	106.8	106.3	110.2	110.8	—	59.4	59.0	60.9	61.0	—	
282	Plastics materials and synthetic	216.9	213.0	216.5	216.3	—	143.4	141.5	147.5	147.1	—	
2821	Plastics materials and resins	83.9	82.8	85.4	85.5	—	51.4	51.2	53.0	52.7	—	
2824	Organic fibers, noncellulosic	97.6	95.6	95.9	95.5	—	68.3	67.0	68.8	68.4	—	
283	Drugs	181.8	181.1	185.2	187.3	—	89.3	88.7	89.0	88.5	—	
2834	Pharmaceutical preparations	144.7	144.5	147.4	149.4	—	68.2	68.0	67.5	67.3	—	
284	Soap, cleaners, and toilet goods	131.5	133.3	134.9	138.5	—	79.3	81.3	82.4	85.8	—	
2841	Soap and other detergents	40.4	40.6	40.1	40.7	—	25.3	25.8	25.4	25.7	—	
2842, 3	Polishing, sanitation, and finishing preparations	36.9	37.0	38.0	37.9	—	20.4	20.3	21.4	21.3	—	
2844	Toilet preparations	54.2	55.7	56.8	59.9	—	33.6	35.2	35.6	38.8	—	
285	Paints and allied products	68.3	67.3	71.6	71.8	—	36.8	35.4	38.3	38.6	—	
286	Industrial organic chemicals	167.2	165.9	165.6	164.4	—	85.2	84.8	85.3	84.0	—	

See footnotes at end of table.

ESTABLISHMENT DATA  
EMPLOYMENT

B-2. Employees on nonagricultural payrolls, by industry—Continued

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>p</sup>	Sept. 1978 <sup>p</sup>	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>p</sup>	Sept. 1978 <sup>p</sup>
2865	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
2861,9	Cyclic crudes and intermediates.....	35.8	35.5	35.5	35.8		21.7	21.5	22.1	22.1	
	Gum, wood, and industrial organic chemicals, nec.....	131.4	130.4	130.1	128.6	-	63.5	63.3	63.2	61.9	-
287	Agricultural chemicals.....	67.1	67.2	68.7	68.1	-	40.8	40.9	42.5	41.9	-
289	Miscellaneous chemical products.....	87.6	87.2	89.2	88.1	-	50.3	50.2	51.1	50.0	-
29	<b>PETROLEUM AND COAL PRODUCTS.....</b>	208.0	206.7	213.7	213.7	211.9	136.7	135.9	140.1	141.1	140.1
291	Petroleum refining.....	162.0	160.5	165.7	164.6	-	101.9	101.0	104.1	104.1	-
295	Paving and roofing materials.....	34.3	34.6	36.2	37.7	-	26.7	27.0	28.6	29.4	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS.....</b>	717.3	727.3	740.0	750.4	756.1	559.7	568.8	577.8	587.8	594.8
301	Tires and inner tubes.....	131.2	130.8	124.5	124.9	-	96.2	95.4	90.1	90.6	-
302	Rubber and plastics footwear.....	22.1	23.0	21.5	23.6	-	18.8	19.9	18.7	20.7	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting.....	23.6	23.9	22.8	22.8	-	18.0	18.3	16.9	17.0	-
306	Fabricated rubber products, nec.....	112.8	112.9	111.9	113.5	-	88.1	88.2	87.6	89.0	-
307	Miscellaneous plastics products.....	427.6	436.7	459.3	465.6	-	338.6	347.0	364.5	370.5	-
31	<b>LEATHER AND LEATHER PRODUCTS.....</b>	253.9	249.8	238.4	254.8	249.4	218.0	213.5	204.2	219.4	213.7
311	Leather tanning and finishing.....	22.6	22.2	21.6	21.8	-	19.4	19.1	18.4	18.6	-
314	Footwear, except rubber.....	155.6	152.7	148.8	158.7	-	135.6	132.4	130.0	138.9	-
3143	Men's footwear, except athletic.....	62.4	62.0	59.1	62.5	-	55.4	54.9	52.2	55.0	-
3144	Women's footwear, except athletic.....	63.4	60.8	59.9	63.8	-	54.3	51.6	52.1	55.9	-
316	Luggage.....	17.6	17.7	15.9	17.9	-	13.7	13.7	12.0	14.1	-
317	Handbags and personal leather goods.....	33.6	32.9	29.0	31.1	-	28.3	27.5	24.0	26.0	-
	<b>TRANSPORTATION AND PUBLIC UTILITIES.....</b>	4,721	4,779	4,856	4,868	4,905	4,016	4,067	4,079	4,082	4,117
40	<b>RAILROAD TRANSPORTATION.....</b>	557.0	553.1	523.1	526.0	-	-	-	-	-	-
4011	Class I railroads <sup>2</sup> .....	514.5	511.0	479.8	482.5	-	-	-	-	-	-
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT.....</b>	226.3	263.4	225.1	222.8	-	206.7	242.9	205.4	202.4	-
411	Local and suburban transportation.....	71.3	72.3	73.6	71.6	-	65.6	66.5	68.2	66.2	-
412	Taxis.....	68.8	68.6	66.1	66.3	-	-	-	-	-	-
413	Intercity highway transportation.....	40.1	38.8	40.2	39.8	-	36.8	35.5	37.1	36.8	-
415	School buses.....	33.7	71.5	31.8	31.3	-	-	-	-	-	-
42	<b>TRUCKING AND WAREHOUSING.....</b>	1,233.6	1,251.5	1,274.5	1,280.9	-	1,092.3	1,109.1	1,129.9	1,135.5	-
421,3	Trucking and trucking terminals.....	1,153.1	1,168.8	1,189.9	1,195.7	-	1,023.3	1,037.9	1,056.6	1,061.9	-
422	Public warehousing.....	80.5	82.7	84.6	85.2	-	69.0	71.2	73.3	73.6	-
44	<b>WATER TRANSPORTATION.....</b>	194.0	208.1	206.4	208.1	-	-	-	-	-	-
45	<b>TRANSPORTATION BY AIR.....</b>	388.6	388.1	400.8	396.1	-	-	-	-	-	-
451,2	Air transportation.....	347.8	347.1	356.4	351.8	-	-	-	-	-	-
46	<b>PIPE LINES, EXCEPT NATURAL GAS.....</b>	19.2	19.1	19.7	19.6	-	14.2	14.0	14.5	14.5	-
47	<b>TRANSPORTATION SERVICES.....</b>	158.1	158.9	169.3	171.1	-	-	-	-	-	-
48	<b>COMMUNICATION.....</b>	1,188.1	1,188.3	1,245.1	1,252.0	-	909.1	906.0	943.8	951.2	-
481	Telephone communication.....	960.0	960.4	1,003.5	1,008.5	-	724.4	721.3	747.5	753.1	-
483	Radio and television broadcasting.....	168.5	169.7	177.4	178.9	-	132.8	133.4	139.9	141.5	-
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES.....</b>	756.0	748.1	791.6	791.7	-	626.5	618.0	649.2	648.4	-
491	Electric services.....	342.0	339.8	362.5	362.4	-	280.1	277.4	293.0	293.1	-
492	Gas production and distribution.....	160.5	156.0	165.0	164.9	-	132.5	127.9	135.8	135.6	-
493	Combination utility services.....	189.4	188.6	193.8	193.9	-	158.2	157.4	159.6	158.9	-
495	Sanitary services.....	40.6	40.7	44.7	44.9	-	36.0	36.3	39.5	39.5	-
-	<b>WHOLESALE AND RETAIL TRADE.....</b>	18,603	18,756	19,469	19,521	19,597	16,389	16,524	17,154	17,198	17,261
50,51	<b>WHOLESALE TRADE.....</b>	4,744	4,750	4,930	4,930	4,936	3,912	3,916	4,068	4,066	4,072
50	<b>WHOLESALE TRADE - DURABLE GOODS.....</b>	2,736	2,735	2,874	2,882	-	2,257	2,254	2,369	2,375	-
501	Motor vehicles and automotive equipment.....	402.3	400.4	422.5	423.1	-	330.9	329.2	347.9	348.1	-
502	Furniture and home furnishings.....	95.3	95.3	98.6	98.7	-	77.5	77.3	79.9	79.7	-
503	Lumber and construction materials.....	169.6	168.8	179.2	178.3	-	141.8	140.7	149.8	149.9	-
504	Sporting goods, toys, and hobby goods.....	61.4	61.8	63.9	61.5	-	50.8	51.3	53.2	51.2	-
505	Metals and minerals, except petroleum.....	132.4	132.8	139.1	140.0	-	107.0	108.1	113.4	113.6	-
506	Electrical goods.....	370.8	374.6	395.4	397.3	-	307.2	310.1	326.2	327.2	-
507	Hardware, plumbing, and heating equipment.....	223.0	222.7	233.4	235.0	-	185.7	185.1	193.6	195.2	-

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**EMPLOYMENT**

**B-2. Employees on nonagricultural payrolls, by industry—Continued**

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>p</sup>	Sept. 1978 <sup>p</sup>	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>p</sup>	Sept. 1978 <sup>p</sup>
<b>WHOLESALE TRADE-DURABLE GOODS—</b>											
508	Continued										
508	Machinery, equipment, and supplies .....	1,092.7	1,090.6	1,150.6	1,155.2	—	898.8	895.5	944.3	947.9	—
509	Miscellaneous durable goods .....	188.4	187.7	191.7	192.6	—	157.4	156.7	161.0	161.8	—
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b> .....	2,008	2,015	2,056	2,048	—	1,655	1,662	1,699	1,691	—
511	Paper and paper products .....	125.9	127.9	132.2	132.8	—	102.9	104.8	107.4	107.9	—
512	Drugs, proprietaries, and sundries .....	129.5	131.3	135.1	136.3	—	110.5	111.9	115.3	116.5	—
513	Apparel, piece goods, and notions .....	157.4	156.5	157.5	160.3	—	124.5	123.9	125.2	127.5	—
514	Groceries and related products .....	621.8	628.2	635.5	622.2	—	536.6	542.3	551.1	538.7	—
516	Chemical and allied products .....	113.8	114.4	118.6	118.0	—	79.7	80.3	84.8	84.6	—
517	Petroleum and petroleum products .....	229.7	227.8	228.3	228.1	—	180.6	178.6	175.2	174.5	—
518	Beer, wine, and distilled beverages .....	127.6	125.4	134.5	133.9	—	108.3	106.2	114.8	114.0	—
519	Miscellaneous nondurable goods .....	351.9	350.8	366.0	364.6	—	289.6	288.8	303.9	302.3	—
52-59	<b>RETAIL TRADE</b> .....	13,859	14,006	14,539	14,591	14,661	12,477	12,608	13,086	13,132	13,189
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b> .....	592.1	585.9	601.6	598.9	—	506.2	499.2	514.8	512.6	—
521	Lumber and other building materials .....	310.6	310.0	325.8	326.3	—	267.2	265.7	281.6	282.0	—
525	Hardware stores .....	139.0	137.9	144.4	142.7	—	119.9	118.6	123.4	121.7	—
53	<b>GENERAL MERCHANDISE STORES</b> .....	2,133.6	2,185.4	2,280.5	2,270.1	—	1,967.3	2,017.9	2,124.6	2,110.9	—
531	Department stores .....	1,718.4	1,768.8	1,849.5	1,833.8	—	1,592.2	1,642.1	1,734.5	1,717.5	—
533	Variety stores .....	280.2	281.8	285.8	288.6	—	260.4	262.0	266.1	266.9	—
539	Misc. general merchandise stores .....	135.0	134.8	145.2	147.7	—	114.7	113.8	124.0	126.5	—
54	<b>FOOD STORES</b> .....	2,098.1	2,130.3	2,184.3	2,191.8	—	1,933.5	1,963.2	2,014.7	2,020.7	—
541	Grocery stores .....	1,840.9	1,866.9	1,925.4	1,934.3	—	1,699.8	1,724.2	1,779.6	1,787.2	—
542	Meat markets and freezer provisioners .....	49.4	49.4	45.9	45.2	—	—	—	—	—	—
546	Retail bakeries .....	111.6	116.2	114.4	115.0	—	102.5	106.7	104.4	104.8	—
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b> .....	1,817.5	1,813.3	1,881.8	1,876.3	—	1,571.5	1,565.5	1,617.5	1,610.1	—
551,2	New and used car dealers .....	849.8	852.7	890.1	891.1	—	711.1	713.2	743.7	744.9	—
553	Auto and home supply stores .....	249.8	243.3	256.7	257.0	—	220.8	213.6	225.0	224.4	—
554	Gasoline service stations .....	639.6	641.1	652.9	648.5	—	574.0	575.1	578.9	572.9	—
56	<b>APPAREL AND ACCESSORY STORES</b> .....	838.6	853.5	852.6	859.1	—	726.4	739.8	735.6	742.4	—
561	Men's and boys' clothing and furnishings .....	134.0	133.8	137.4	137.1	—	114.1	113.5	117.1	117.0	—
562	Women's ready-to-wear stores .....	310.1	317.2	314.1	315.2	—	269.9	276.3	272.8	274.2	—
565	Family clothing stores .....	151.7	152.0	153.3	157.2	—	134.7	134.9	135.7	139.8	—
566	Shoe stores .....	160.3	164.9	164.9	166.7	—	134.9	139.4	137.4	138.8	—
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b> .....	562.4	567.6	584.0	587.2	—	469.7	473.7	483.8	486.3	—
571	Furniture and home furnishings .....	345.1	347.6	354.0	354.2	—	292.5	294.6	298.2	297.8	—
572	Household appliance stores .....	83.8	83.4	87.7	88.1	—	72.0	71.4	74.4	74.8	—
573	Radio, television, and music stores .....	133.5	136.6	142.3	144.9	—	105.2	107.7	111.2	113.7	—
58	<b>EATING AND DRINKING PLACES</b> .....	4,116.9	4,155.3	4,412.5	4,462.2	—	3,817.9	3,848.6	4,064.4	4,115.4	—
59	<b>MISCELLANEOUS RETAIL</b> .....	1,699.9	1,714.4	1,741.7	1,745.2	—	1,484.9	1,500.1	1,530.7	1,533.1	—
591	Drug stores and proprietary stores .....	482.2	483.8	499.7	500.8	—	436.9	437.9	455.2	455.7	—
592	Liquor stores .....	112.6	112.3	120.8	119.7	—	—	—	—	—	—
594	Miscellaneous shopping goods stores .....	479.8	482.6	478.6	482.1	—	410.9	414.5	409.3	412.6	—
596	Nonstore retailers .....	256.2	261.4	269.4	271.4	—	234.2	239.5	250.5	252.8	—
598	Fuel and ice dealers .....	97.9	97.7	96.4	96.1	—	81.7	81.8	81.0	80.9	—
599	Retail stores, nec .....	219.3	224.0	224.5	222.9	—	184.4	189.0	189.3	187.2	—
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....											
60	<b>BANKING</b> .....	1,375.1	1,364.6	1,433.5	1,438.9	—	1,080.3	1,070.4	1,121.1	1,125.6	—
602	Commercial and stock savings banks .....	1,252.7	1,244.7	1,307.7	1,313.0	—	981.3	973.9	1,018.5	1,023.0	—
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	476.9	477.1	502.1	504.7	—	366.8	366.5	387.2	388.7	—
612	Savings and loan associations .....	199.4	199.8	216.0	217.0	—	156.6	157.0	169.4	170.0	—
614	Personal credit institutions .....	191.3	191.6	197.5	198.6	—	144.3	144.0	150.3	151.0	—
62	<b>SECURITY, COMMODITY BROKERS, AND SERVICES</b> .....	183.0	182.1	190.1	191.4	—	—	—	—	—	—
621	Security brokers and dealers .....	149.8	149.2	156.0	157.1	—	—	—	—	—	—
63	<b>INSURANCE CARRIERS</b> .....	1,156.9	1,153.8	1,207.0	1,207.4	—	806.9	803.4	842.9	841.3	—
631	Life insurance .....	522.6	519.9	527.4	526.1	—	312.0	309.9	315.2	311.8	—

See footnotes at end of table.

ESTABLISHMENT DATA  
EMPLOYMENT

**B-2. Employees on nonagricultural payrolls, by industry—Continued**

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 P	Sept. 1978 P	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 P	Sept. 1978 P
	<b>INSURANCE CARRIERS—Continued</b>										
632	Medical service and health insurance .....	133.0	132.9	139.6	140.0	—	108.9	108.5	112.7	113.1	—
633	Fire, marine, and casualty insurance .....	434.6	434.6	466.1	467.9	—	331.2	330.7	354.3	356.2	—
64	<b>INSURANCE AGENTS, BROKERS, AND SERVICE</b> .....	372.8	373.5	394.9	398.5	—	—	—	—	—	—
65	<b>REAL ESTATE</b> .....	823.7	815.9	886.6	884.3	—	—	—	—	—	—
651	Real estate operators and lessors .....	414.1	412.6	442.6	441.0	—	—	—	—	—	—
653	Real estate agents and managers .....	276.0	273.4	300.5	300.8	—	—	—	—	—	—
655	Subdividers and developers .....	110.8	107.4	118.7	117.3	—	—	—	—	—	—
66	<b>COMBINED REAL ESTATE, INSURANCE, ETC</b> .....	28.6	28.4	30.6	30.6	—	—	—	—	—	—
67	<b>HOLDING AND OTHER INVESTMENT OFFICES</b> .....	95.8	95.9	101.5	102.6	—	—	—	—	—	—
—	<b>SERVICES</b> .....	15,468	15,473	16,213	16,233	16,137	13,827	13,830	14,439	14,423	14,292
70	<b>HOTELS AND OTHER LODGING PLACES</b> .....	1,072.0	998.6	1,075.2	1,073.3	—	—	—	—	—	—
701	Hotels, motels, and tourist courts .....	992.0	953.6	1,002.1	996.3	—	916.0	877.9	924.5	917.6	—
72	<b>PERSONAL SERVICES</b> .....	880.0	884.3	890.8	884.4	—	—	—	—	—	—
721	Laundry, cleaning, and garment services .....	356.8	356.0	353.8	351.3	—	317.7	317.7	316.1	313.9	—
723	Beauty shops .....	273.8	277.7	278.7	275.9	—	250.4	253.8	257.1	254.5	—
726	Funeral service and crematories .....	68.5	68.1	70.3	70.5	—	—	—	—	—	—
73	<b>BUSINESS SERVICES</b> .....	2,369.1	2,403.6	2,553.2	2,585.0	—	2,059.5	2,089.0	2,213.7	2,245.4	—
731	Advertising .....	132.3	132.4	143.7	144.2	—	97.7	97.9	105.5	106.1	—
732	Credit reporting and collection .....	83.8	84.6	87.1	86.0	—	—	—	—	—	—
733	Mailing, reproduction, stenographic .....	91.0	94.6	98.6	99.3	—	—	—	—	—	—
734	Services to buildings .....	422.6	427.6	457.3	459.0	—	379.9	384.6	410.7	412.8	—
736	Personnel supply services .....	374.8	393.1	402.9	412.1	—	—	—	—	—	—
737	Computer and data processing services .....	187.4	189.2	211.1	211.2	—	153.2	154.5	173.7	173.2	—
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	494.5	495.9	520.6	519.3	—	425.9	425.3	447.5	446.2	—
753	Automotive repair shops .....	309.5	307.2	324.2	322.2	—	264.0	260.7	277.6	275.7	—
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	238.1	241.1	244.0	242.9	—	205.1	207.2	209.0	207.7	—
78	<b>MOTION PICTURES</b> .....	243.5	231.9	234.1	240.8	—	217.1	204.9	208.0	211.6	—
781	Motion picture production and services .....	94.0	88.9	83.3	89.0	—	82.1	77.1	72.6	75.3	—
783	Motion picture theaters .....	139.0	132.6	140.7	141.6	—	—	—	—	—	—
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	764.6	719.3	797.3	792.1	—	697.4	653.3	732.6	726.0	—
80	<b>HEALTH SERVICES</b> .....	4,617.0	4,614.2	4,797.1	4,814.6	—	4,131.8	4,127.1	4,278.9	4,285.0	—
801	Offices of physicians .....	655.2	655.0	687.4	690.3	—	546.1	544.9	567.2	570.1	—
802	Offices of dentists .....	284.8	285.4	287.2	290.4	—	254.0	254.4	248.5	253.4	—
805	Nursing and personal care facilities .....	869.3	868.5	912.8	920.5	—	788.6	788.0	825.4	831.7	—
806	Hospitals .....	2,482.9	2,478.3	2,563.3	2,565.4	—	2,255.1	2,249.9	2,340.1	2,330.8	—
81	<b>LEGAL SERVICES</b> .....	400.0	396.1	433.0	434.6	—	350.6	345.2	375.1	375.8	—
82	<b>EDUCATIONAL SERVICES</b> .....	843.5	982.6	865.3	863.6	—	—	—	—	—	—
821	Elementary and secondary schools .....	181.7	216.7	197.5	197.3	—	—	—	—	—	—
822	Colleges and universities .....	568.9	668.4	571.3	569.7	—	—	—	—	—	—
83	<b>SOCIAL SERVICES</b> .....	879.9	849.6	996.2	992.3	—	—	—	—	—	—
86	<b>MEMBERSHIP ORGANIZATIONS</b> .....	1,507.6	1,489.8	1,539.8	1,526.5	—	—	—	—	—	—
89	<b>MISCELLANEOUS SERVICES</b> .....	797.6	795.0	868.7	872.7	—	—	—	—	—	—
891	Engineering and architectural services .....	433.5	431.0	476.2	478.1	—	—	—	—	—	—
893	Accounting, auditing, and bookkeeping .....	250.3	252.5	269.6	269.8	—	—	—	—	—	—
	<b>GOVERNMENT<sup>4</sup></b> .....	14,384	14,896	14,929	14,781	15,163	—	—	—	—	—
-	<b>FEDERAL GOVERNMENT</b> .....	2,757	2,717	2,815	2,793	2,758	—	—	—	—	—
-	Executive .....	2,704.7	2,665.4	2,760.3	2,738.5	—	—	—	—	—	—
-	Department of Defense .....	922.0	909.1	927.1	918.6	—	—	—	—	—	—
-	Postal Service .....	656.8	655.0	647.5	649.0	—	—	—	—	—	—
-	Other executive agencies .....	1,125.9	1,101.3	1,185.7	1,170.9	—	—	—	—	—	—
-	Manufacturing activities .....	141.1	139.1	141.9	140.8	—	—	—	—	—	—
-	Shipbuilding .....	69.6	68.9	72.7	72.3	—	—	—	—	—	—

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**EMPLOYMENT**

**B-2. Employees on nonagricultural payrolls, by industry—Continued**

{In thousands}

1972 SIC Code	Industry	All employees					Production worker <sup>1</sup>				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 P	Sept. 1978 P	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 P	Sept. 1978 P
	Executive—Continued										
	Transportation and public utilities, except										
	Postal Service	756.8	755.3	776.2	770.5	—	—	—	—	—	—
—	Services	380.5	373.9	399.3	399.2	—	—	—	—	—	—
—	Hospitals	227.6	225.0	243.7	242.5	—	—	—	—	—	—
—	Legislative	39.9	39.3	41.4	41.0	—	—	—	—	—	—
—	Judicial	12.4	12.5	12.9	13.0	—	—	—	—	—	—
	STATE AND LOCAL GOVERNMENT	11,627	12,179	12,114	11,988	12,405	—	—	—	—	—
—	State government	3,177.9	3,308.6	3,239.2	3,226.9	—	—	—	—	—	—
—	Hospitals	546.4	545.8	556.7	552.5	—	—	—	—	—	—
—	State education	1,154.8	1,315.3	1,133.1	1,128.4	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	884.1	866.7	944.2	942.0	—	—	—	—	—	—
—	Local government	8,449.4	8,870.4	8,875.2	8,761.4	—	—	—	—	—	—
—	Transportation and public utilities	555.1	551.0	572.2	573.2	—	—	—	—	—	—
—	Hospitals	495.1	494.3	516.2	517.6	—	—	—	—	—	—
—	Local education	4,154.7	4,830.8	4,411.3	4,304.4	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	2,892.7	2,658.6	2,990.4	2,981.6	—	—	—	—	—	—

<sup>1</sup> Data relate to production and related workers in mining and manufacturing; to construction workers in construction; and to nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

<sup>2</sup> Beginning January 1978, data relate to line haul railroads with operating revenues of \$50,000,000 or more.

<sup>3</sup> Data for nonoffice sales agents excluded from nonagricultural payroll for all series in this division.

<sup>4</sup> Prepared by the U.S. Civil Service Commission. Data relate to civilian employment only and exclude Central Intelligence and National Security Agencies.

\* Not available.

P=preliminary.

ESTABLISHMENT DATA  
WOMEN EMPLOYEES

**B-3. Women employees on nonagricultural payrolls, by industry**

[In thousands]

1972 SIC Code	Industry	June 1977	July 1977	May 1978	June 1978	July 1978
	<b>TOTAL.....</b>	33,332	32,559	35,058	35,239	34,351
	<b>PRIVATE SECTOR.....</b>	26,366	26,231	27,624	27,947	27,817
-	<b>MINING.....</b>	66	66	73	76	78
10	<b>METAL MINING.....</b>	6.4	5.9	6.7	7.4	7.5
11, 12	<b>COAL MINING.....</b>	6.5	6.4	8.1	8.1	8.1
13	<b>OIL AND GAS EXTRACTION.....</b>	45.3	46.1	50.5	52.6	53.8
131, 2	Crude petroleum, natural gas, and natural gas liquids.....	30.2	30.9	33.0	34.5	35.1
138	Oil and gas field services.....	15.1	15.2	17.5	18.1	18.7
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS.....</b>	7.6	7.7	7.8	8.1	8.3
142	Crushed and broken stone.....	2.3	2.4	2.5	2.6	2.7
144	Sand and gravel.....	2.3	2.3	2.3	2.5	2.6
-	<b>CONSTRUCTION.....</b>	307	311	328	338	341
15	<b>GENERAL BUILDING CONTRACTORS.....</b>	107.4	110.0	120.1	123.6	123.8
152	Residential building construction.....	62.7	64.5	72.8	75.2	75.0
153	Operative builders.....	15.2	15.5	16.4	16.9	16.6
154	Nonresidential building construction.....	29.5	30.0	30.9	31.5	32.2
16	<b>HEAVY CONSTRUCTION CONTRACTORS.....</b>	50.6	50.6	51.0	54.3	55.4
161	Highway and street construction.....	13.2	13.4	13.0	15.3	16.0
162	Heavy construction, except highway.....	37.4	37.2	38.0	39.0	39.4
17	<b>SPECIAL TRADE CONTRACTORS.....</b>	149.1	150.3	157.1	160.4	162.1
171	Plumbing, heating, air conditioning.....	42.1	42.4	44.2	45.1	45.8
172	Painting, paper hanging, decorating.....	9.0	9.3	10.0	10.2	10.5
173	Electrical work.....	26.8	26.7	28.0	28.8	28.9
174	Masonry, stonework, and plastering.....	17.3	17.3	18.1	18.5	18.7
175	Carpentering and flooring.....	12.2	12.1	12.2	12.2	12.4
176	Roofing and sheet metal work.....	9.4	9.7	10.4	10.9	11.1
-	<b>MANUFACTURING.....</b>	5,915	5,809	6,117	6,217	6,088
24, 25, 32-39	<b>DURABLE GOODS.....</b>	2,661	2,629	2,835	2,880	2,840
20-23, 26-31	<b>NONDURABLE GOODS.....</b>	3,254	3,180	3,282	3,337	3,248
	<b>DURABLE GOODS.....</b>					
24	<b>LUMBER AND WOOD PRODUCTS.....</b>	97.9	97.6	106.4	108.6	107.1
241	Logging camps and logging contractors.....	4.5	4.7	4.9	5.2	5.3
242	Sawmills and planing mills.....	20.8	20.7	21.8	22.1	21.7
2421	Sawmills and planing mills, general.....	15.1	15.1	15.3	15.6	15.4
243	Millwork, plywood, and structural members.....	37.5	37.7	41.7	42.8	42.5
244	Wooden containers.....	7.4	7.2	6.9	7.4	7.3
245	Wood buildings and mobile homes.....	9.2	9.3	10.3	10.2	10.2
249	Miscellaneous wood products.....	18.5	18.0	20.8	20.9	20.1
25	<b>FURNITURE AND FIXTURES.....</b>	129.5	125.6	140.9	140.3	136.2
251	Household furniture.....	98.7	95.3	107.0	105.9	102.1
2511	Wood household furniture.....	40.8	39.9	44.5	45.0	43.4
2512	Upholstered household furniture.....	33.8	33.1	36.9	36.9	35.3
2515	Mattresses and bedsprings.....	8.5	8.2	8.6	8.6	8.7
262	Office furniture.....	9.0	9.0	9.6	9.3	9.8
263	Public building and related furniture.....	4.5	4.4	4.7	4.8	4.8
264	Partitions and fixtures.....	8.3	8.2	9.6	9.7	9.5
259	Miscellaneous furniture and fixtures.....	9.0	8.7	10.0	10.1	10.0
32	<b>STONE, CLAY, AND GLASS PRODUCTS.....</b>	126.4	126.0	129.5	131.1	130.4
322	Glass and glassware, pressed or blown.....	47.0	47.3	47.7	47.9	47.5
3221	Glass containers.....	27.9	28.5	28.6	28.6	28.3
3229	Pressed and blown glass, nec.....	19.1	18.8	19.1	19.3	19.2
323	Products of purchased glass.....	11.0	11.0	11.1	11.6	11.4
324	Cement, hydraulic.....	1.4	1.4	1.6	1.7	1.7

**ESTABLISHMENT DATA**  
**WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls, by industry—Continued**

[In thousands]

1972 SIC Code	Industry	June 1977	July 1977	May 1978	June 1978	July 1978
<b>STONE, CLAY, AND GLASS PRODUCTS—Continued</b>						
325	Structural clay products .....	6.4	6.3	6.5	6.5	6.2
326	Pottery and related products .....	16.5	16.1	16.9	16.9	16.7
327	Concrete, gypsum, and plaster products .....	13.2	13.3	14.0	14.2	14.5
329	Misc. nonmetallic mineral products .....	28.2	27.8	28.7	29.2	29.4
33	<b>PRIMARY METAL INDUSTRIES</b> .....	113.2	111.7	116.8	119.9	121.0
331	Blast furnace and basic steel products .....	34.4	34.5	36.9	38.9	39.6
3312	Blast furnaces and steel mills .....	26.6	26.8	28.7	30.4	31.3
332	Iron and steel foundries .....	16.9	16.8	16.8	17.6	18.4
3321	Gray iron foundries .....	8.8	8.8	9.2	9.7	9.7
3322	Malleable iron foundries .....	1.5	1.5	1.5	1.6	1.6
3325	Steel foundries, nec .....	3.7	3.6	4.1	4.2	4.4
333	Primary nonferrous metals .....	4.4	3.8	4.3	4.5	4.6
3334	Primary aluminum .....	1.4	1.4	1.4	1.6	1.7
335	Nonferrous rolling and drawing .....	38.2	37.4	38.8	38.7	38.3
3351	Copper rolling and drawing .....	3.5	3.4	3.5	3.6	3.8
3353	Aluminum sheet, plate, and foil .....	4.0	4.1	4.5	4.6	4.3
3357	Nonferrous wire drawing and insulating .....	23.8	22.8	22.8	22.5	22.2
336	Nonferrous foundries .....	14.4	14.3	15.1	15.2	15.2
3361	Aluminum foundries .....	6.6	6.7	6.9	7.1	7.1
34	<b>FABRICATED METAL PRODUCTS</b> .....	316.7	311.4	338.1	341.9	333.1
341	Metal cans and shipping containers .....	12.9	13.0	13.1	13.3	13.3
3411	Metal cans .....	11.4	11.5	11.5	11.7	11.7
342	Cutlery, hand tools, and hardware .....	59.1	57.5	62.7	63.6	61.5
3423, 5	Hand and edge tools, and hand saws and blades .....	15.6	15.6	17.0	17.1	16.8
3429	Hardware, nec .....	36.6	35.2	38.7	39.4	37.7
343	Plumbing and heating, except electric .....	15.0	14.6	17.0	16.9	16.1
344	Fabricated structural metal products .....	62.4	62.9	67.9	69.1	68.4
3441	Fabricated structural metal .....	6.8	6.8	6.8	7.1	7.0
3442	Metal doors, sash, and trim .....	21.8	22.0	23.3	23.8	23.2
3443	Fabricated plate work (boiler shops) .....	13.6	13.7	14.8	14.9	15.1
3444	Sheet metal work .....	12.0	12.1	13.9	14.0	13.7
345	Screw machine products, bolts, etc. ....	20.9	20.4	22.4	22.7	22.2
3451	Screw machine products .....	10.7	10.3	11.7	11.7	11.4
3452	Bolts, nuts, rivets, and washers .....	10.2	10.1	10.7	11.0	10.8
346	Metal forgings and stamping .....	54.1	52.9	57.8	57.2	54.8
3462	Iron and steel forgings .....	3.7	3.7	4.0	3.6	3.8
3465	Automotive stampings .....	14.0	13.5	15.3	15.2	14.5
3469	Metal stampings, nec .....	34.2	33.5	36.2	36.1	34.3
347	Metal services, nec .....	23.0	22.2	24.2	25.1	23.6
3471	Plating and polishing .....	17.3	16.6	17.8	18.6	17.1
3479	Metal coating and allied services .....	5.7	5.6	6.4	6.5	6.5
348	Ordnance and accessories, nec .....	15.6	15.2	15.9	16.1	16.2
349	Misc. fabricated metal products .....	53.7	52.7	57.1	57.9	57.0
3494	Valves and pipe fittings .....	20.0	19.7	20.4	20.7	20.7
3496	Misc. fabricated wire products .....	11.3	11.1	12.6	12.7	12.4
35	<b>MACHINERY, EXCEPT ELECTRICAL</b> .....	381.2	383.3	425.9	433.0	433.9
351	Engines and turbines .....	18.7	19.4	21.9	21.9	22.2
3511	Turbines and turbine generator sets .....	5.7	5.8	5.9	6.1	6.2
3519	Internal combustion engines, nec .....	13.0	13.6	16.0	15.8	16.0
352	Farm and garden machinery .....	22.8	22.0	22.6	22.8	22.4
3523	Farm machinery and equipment .....	17.8	17.7	17.5	17.9	18.0
353	Construction and related machinery .....	36.1	36.7	40.7	41.5	41.7
3531	Construction machinery .....	12.9	13.3	14.7	14.9	14.7
3533	Oil field machinery .....	8.0	8.1	8.7	9.0	9.2
354	Metalworking machinery .....	46.9	46.4	51.2	51.9	51.8
3541	Machine tools, metal cutting types .....	7.1	7.1	8.1	8.3	8.3
3544	Special dies, tools, jigs, and fixtures .....	12.6	12.4	13.6	14.0	14.1
3545	Machine tool accessories .....	11.6	11.5	12.7	12.9	12.9
355	Special industry machinery .....	26.3	26.2	29.1	29.6	29.4
3551	Food products machinery .....	5.6	5.6	5.9	6.0	5.9
3552	Textile machinery .....	5.7	5.6	5.9	6.0	5.7
3555	Printing trades machinery .....	5.0	5.0	6.6	6.8	6.9
356	General industrial machinery .....	52.5	52.6	56.2	56.9	56.9
3561	Pumps and pumping equipment .....	10.3	10.3	10.6	10.7	10.7
3562	Ball and roller bearings .....	12.7	12.7	13.5	13.6	13.4
357	Office and computing machines .....	101.6	103.2	120.3	123.4	125.4
3573	Electronic computing equipment .....	75.2	76.8	92.6	95.0	96.9

ESTABLISHMENT DATA  
WOMEN EMPLOYEES

B-3. Women employees on nonagricultural payrolls, by industry—Continued

[In thousands]

1972 SIC Code	Industry	June 1977	July 1977	May 1978	June 1978	July 1978
<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>						
358	Refrigeration and service machinery .....	32.6	32.7	36.6	37.5	37.2
3585	Refrigeration and heating equipment .....	21.6	21.8	24.5	24.7	24.6
359	Misc. machinery, except electrical .....	43.7	44.1	47.3	47.5	46.9
3599	Machinery, except electrical, nec .....	35.5	35.5	37.6	38.0	37.7
<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b>						
36	Electric distributing equipment .....	771.8	764.3	809.3	820.7	810.3
361	Transformers .....	43.2	43.0	43.5	43.4	42.5
3612	Switchgear and switchboard apparatus .....	20.1	19.7	20.4	20.4	19.9
3613	Electrical industrial apparatus .....	23.1	23.3	23.1	23.0	22.6
362	Motors and generators .....	86.3	85.1	91.7	92.3	91.9
3621	Industrial controls .....	47.6	46.6	50.9	50.9	50.7
3622	Household appliances .....	27.3	27.2	28.8	29.3	29.0
363	Household refrigerators and freezers .....	61.2	59.4	62.9	65.2	63.0
3632	Household laundry equipment .....	12.4	12.1	14.1	14.1	13.8
3633	Electric housewares and fans .....	4.9	4.9	5.1	5.3	5.4
3634	Electric lighting and wiring equipment .....	26.3	25.2	25.2	27.1	25.9
364	Electric lamps .....	92.7	91.8	97.2	98.7	96.2
3641	Current-carrying wiring devices .....	24.1	23.9	24.0	23.9	23.7
3643	Radio and TV receiving equipment .....	39.9	40.3	43.3	43.8	42.8
365	Radio and TV receiving sets .....	67.7	65.2	63.2	63.4	62.0
3651	Communication equipment .....	52.9	50.5	48.7	48.7	47.3
366	Telephone and telegraph apparatus .....	163.3	163.4	173.0	174.9	175.0
3661	Radio and TV communication equipment .....	68.1	68.4	71.6	71.7	71.8
3662	Electronic components and accessories .....	95.2	95.0	101.4	103.2	103.2
367	Electronic components and accessories .....	207.2	206.2	223.1	228.5	226.3
3671-3	Electronic tubes .....	15.5	15.6	16.3	16.5	16.7
3674	Semiconductors and related devices .....	68.9	70.3	76.4	77.9	78.0
3679	Electronic components, nec .....	83.0	81.3	89.6	92.1	90.6
369	Misc. electrical equipment and supplies .....	50.2	50.2	54.7	54.3	53.4
3694	Engine electrical equipment .....	24.5	24.8	27.8	27.6	27.0
<b>TRANSPORTATION EQUIPMENT</b>						
37	Motor vehicles and equipment .....	260.8	260.1	283.5	288.1	286.9
371	Motor vehicles and car bodies .....	118.6	117.3	129.1	130.6	129.5
3711	Truck and bus bodies .....	45.7	44.8	52.1	51.5	50.5
3713	Motor vehicle parts and accessories .....	5.2	5.3	5.2	5.4	5.4
3714	Aircraft and parts .....	66.0	65.6	69.8	71.7	71.7
372	Aircraft and parts .....	80.5	81.9	89.2	91.9	93.6
3721	Aircraft .....	47.8	48.6	52.9	54.9	56.3
3724	Aircraft engines and engine parts .....	17.2	17.7	19.6	20.0	20.2
3728	Aircraft equipment, nec .....	15.5	15.6	16.7	17.0	17.1
373	Ship and boat building and repairing .....	22.9	23.3	22.1	22.2	21.5
3731	Ship building and repairing .....	14.9	15.5	14.4	14.5	14.1
374	Railroad equipment .....	5.0	5.1	5.0	5.2	5.1
376	Guided missiles, space vehicles, parts .....	15.2	15.2	15.8	15.9	16.1
3761	Guided missiles and space vehicles .....	12.5	12.5	12.6	12.7	12.9
379	Miscellaneous transportation equipment .....	12.5	11.6	16.0	16.3	15.3
<b>INSTRUMENTS AND RELATED PRODUCTS</b>						
38	Engineering and scientific instruments .....	257.4	253.8	272.2	279.4	276.3
381	Measuring and controlling devices .....	18.5	17.2	19.5	20.0	19.8
382	Environmental controls .....	82.6	82.8	91.3	93.6	92.5
3822	Process control instruments .....	23.8	23.6	25.2	25.2	24.8
3823	Instruments to measure electricity .....	14.3	14.3	15.1	16.4	15.8
3825	Optical instruments and lenses .....	31.8	32.2	37.1	37.9	38.1
383	Medical instruments and supplies .....	8.6	8.6	9.2	9.4	9.5
384	Surgical and medical instruments .....	69.6	68.7	74.8	76.4	75.1
3841	Surgical appliances and supplies .....	29.4	29.0	32.0	32.6	32.5
3842	Ophthalmic goods .....	32.1	31.6	34.2	35.1	34.0
385	Photographic equipment and supplies .....	22.5	22.2	23.0	23.5	23.1
386	Watches, clocks, and watchcases .....	36.1	35.7	35.7	37.4	37.7
387	Costume jewelry and notions .....	19.5	18.6	18.7	19.1	18.6
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>						
39	Jewelry, silverware, and plated ware .....	206.0	195.1	212.1	216.8	204.7
391	Musical instruments .....	27.4	24.7	29.1	29.7	26.6
393	Toys and sporting goods .....	10.2	9.9	11.9	12.4	11.5
394	Dolls, games, toys, and children's vehicles .....	66.2	62.7	62.7	63.4	62.3
3942, 4	Sporting and athletic goods, nec .....	34.6	33.1	31.0	33.0	32.1
3949	Pens, pencils, office and art supplies .....	31.6	29.6	31.7	30.4	30.2
395	Costume jewelry and notions .....	18.1	17.9	18.6	19.0	18.6
396	Miscellaneous manufactures .....	35.0	31.9	39.2	39.9	34.3
399		49.1	48.0	50.6	52.4	51.4

**ESTABLISHMENT DATA**  
**WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls, by industry—Continued**

[In thousands]

1972 SIC Code	Industry	June 1977	July 1977	May 1978	June 1978	July 1978
NONDURABLE GOODS						
20	FOOD AND KINDRED PRODUCTS .....	469.2	484.4	451.7	473.0	489.7
201	Meat products .....	105.9	106.7	106.7	109.6	110.5
2011	Meat packing plants .....	26.4	26.4	27.1	26.8	27.4
2013	Sausages and other prepared meats .....	20.1	20.2	19.8	20.1	20.4
2016	Poultry dressing plants .....	52.6	53.6	52.4	55.4	55.7
202	Dairy products .....	38.3	38.0	38.1	39.3	39.8
2026	Fluid milk .....	20.1	20.0	20.2	20.4	20.5
203	Preserved fruits and vegetables .....	98.2	106.3	76.6	85.5	98.9
2032	Canned specialties .....	9.1	8.2	9.4	9.4	8.9
2033	Canned fruits and vegetables .....	32.7	46.4	21.4	25.6	38.5
2037	Frozen fruits and vegetables .....	23.2	18.6	16.8	19.6	17.3
204	Grain mill products .....	27.1	27.4	27.9	28.5	28.4
205	Bakery products .....	59.8	60.4	60.5	60.9	60.8
2051	Bread, cake, and related products .....	41.5	40.5	42.1	42.1	42.0
2052	Cookies and crackers .....	18.3	19.9	18.4	18.8	18.8
206	Sugar and confectionery products .....	34.8	35.2	34.9	35.5	35.4
207	Fats and oils .....	4.9	4.9	5.0	5.1	5.1
208	Beverages .....	34.4	34.6	35.2	35.6	35.9
2082	Malt beverages .....	5.6	5.8	5.5	5.6	5.8
2086	Bottled and canned soft drinks .....	15.1	15.2	16.4	16.7	16.8
209	Misc. foods and kindred products .....	65.8	70.9	66.8	73.0	74.9
21	TOBACCO MANUFACTURES .....	24.2	24.4	23.8	23.9	23.3
211	Cigarettes .....	15.2	15.2	15.1	15.1	15.4
22	TEXTILE MILL PRODUCTS .....	432.2	420.2	430.0	433.5	421.2
221	Weaving mills, cotton .....	69.2	68.1	65.1	64.9	63.7
222	Weaving mills, synthetics .....	51.0	50.8	48.6	48.6	48.3
223	Weaving and finishing mills, wool .....	8.2	7.5	8.1	8.1	7.7
224	Narrow fabric mills .....	14.5	13.5	15.5	15.7	14.9
225	Knitting mills .....	152.9	147.7	157.2	159.8	154.9
2251	Women's hosiery, except socks .....	21.4	20.8	22.3	22.5	21.9
2252	Hosiery, nec .....	24.9	24.8	25.9	26.4	25.9
2253	Knit outerwear mills .....	54.9	51.5	55.7	57.1	54.8
2254	Knit underwear mills .....	25.4	24.8	27.8	28.0	27.6
226	Circular knit fabric mills .....	15.8	15.4	15.0	14.9	14.1
2261	Textile finishing, except wool .....	24.7	24.1	24.0	24.2	23.1
2262	Finishing plants, cotton .....	10.0	9.9	10.1	10.0	10.0
2262.	Finishing plants, synthetic .....	6.9	6.8	6.8	6.9	6.4
227	Floor covering mills .....	23.7	23.5	25.0	25.1	24.8
228	Yarn and thread mills .....	66.5	64.6	65.4	66.1	63.1
2281	Yarn mills, except wool .....	40.2	39.4	41.0	41.6	40.4
2282	Throwing and winding mills .....	13.8	13.4	12.2	12.4	11.9
229	Miscellaneous textile goods .....	21.5	20.4	21.1	21.3	20.7
23	APPAREL AND OTHER TEXTILE PRODUCTS .....	1,082.8	1,022.7	1,078.7	1,089.2	1,020.0
231	Men's and boys' suits and coats .....	70.5	67.0	70.3	70.7	67.0
232	Men's and boys' furnishings .....	319.4	300.6	315.8	319.4	296.1
2321	Men's and boys' shirts and nightwear .....	96.4	89.1	91.4	93.1	88.1
2327	Men's and boys' separate trousers .....	73.2	69.7	71.7	72.2	67.8
2328	Men's and boys' work clothing .....	80.8	76.0	80.7	81.2	70.9
233	Women's and misses' outerwear .....	370.0	352.0	365.4	369.4	346.4
2331	Women's and misses' blouses and waists .....	50.3	47.4	50.3	51.9	48.9
2335	Women's and misses' dresses .....	144.7	136.9	139.2	139.7	130.7
2337	Women's and misses' suits and coats .....	57.0	53.8	53.5	55.9	51.4
2339	Women's and misses' outerwear, nec .....	118.0	113.9	122.4	121.9	115.4
234	Women's and children's undergarments .....	83.7	80.3	82.4	82.5	78.2
2341	Women's and children's underwear .....	66.5	63.9	65.8	66.5	62.7
2342	Brassieres and allied garments .....	17.2	16.4	16.6	16.0	15.5
236	Children's outerwear .....	61.9	59.1	60.1	61.7	58.5
2361	Children's dresses and blouses .....	25.0	23.8	23.0	23.4	22.8
238	Misc. apparel and accessories .....	48.6	43.0	49.5	49.8	45.2
239	Misc. fabricated textile products .....	115.3	108.3	121.9	122.0	115.4
2391	Curtains and draperies .....	23.4	22.3	24.1	24.6	21.8
2392	House furnishings, nec .....	30.4	29.0	32.4	32.4	31.5
2396	Automotive and apparel trimmings .....	17.4	15.4	18.0	18.0	16.0
26	PAPER AND ALLIED PRODUCTS .....	154.8	151.7	159.5	162.0	158.7
261, 26	Paper and pulp mills .....	25.5	25.7	25.9	27.0	27.4

ESTABLISHMENT DATA  
WOMEN EMPLOYEES

**B-3. Women employees on nonagricultural payrolls, by industry—Continued**

[In thousands]

1972 SIC Code	Industry	June 1977	July 1977	May 1978	June 1978	July 1978
	<b>PAPER AND ALLIED PRODUCTS—Continued</b>					
262	Paper mills, except building paper	23.0	23.2	23.4	24.4	24.8
263	Paperboard mills	5.2	5.2	5.6	5.9	6.1
264	Misc. converted paper products	72.5	70.8	76.0	76.3	74.3
265	Paperboard containers and boxes	51.6	50.0	52.0	52.8	50.9
	<b>PRINTING AND PUBLISHING</b>	424.3	425.8	449.8	452.4	451.3
271	Newspapers	132.7	133.6	140.8	143.3	143.6
272	Periodicals	41.9	42.6	45.8	46.7	47.3
273	Books	52.9	52.5	55.8	54.7	54.2
274	Miscellaneous publishing	25.5	25.7	25.5	25.5	24.4
275	Commercial printing	108.1	107.2	115.8	115.1	113.5
2751	Commercial printing, letterpress	50.4	49.9	52.9	53.0	52.1
2762	Commercial printing, lithographic	52.4	52.1	57.3	57.0	56.6
276	Manifold business forms	12.9	13.0	13.7	13.9	13.8
278	Blankbooks and bookbinding	29.5	29.8	31.0	31.5	32.2
279	Printing trade services	7.5	7.6	8.0	8.1	8.2
	<b>CHEMICALS AND ALLIED PRODUCTS</b>	246.5	247.1	254.0	258.1	259.4
281	Industrial inorganic chemicals	20.7	21.0	21.8	22.2	22.7
2819	Industrial inorganic chemicals, nec	14.3	14.5	15.1	15.3	15.7
282	Plastics materials and synthetics	43.6	43.8	43.5	44.4	44.5
2821	Plastics materials and resins	9.4	9.5	9.9	10.4	10.4
2824	Organic fibers, noncellulosic	26.4	26.5	25.5	25.7	25.9
283	Drugs	72.5	72.3	72.8	73.7	73.9
2834	Pharmaceutical preparations	62.0	61.8	61.9	62.8	62.9
284	Soap, cleaners, and toilet goods	49.5	50.2	53.4	54.2	54.4
2841	Soap and other detergents	8.4	8.6	9.0	9.1	9.1
2844	Toilet preparations	29.9	30.3	32.7	32.9	33.2
285	Paints and allied products	11.0	11.1	12.0	12.3	12.3
286	Industrial organic chemicals	23.5	23.6	23.4	23.9	24.1
2861.9	Gum, wood, and industrial organic chemicals, nec	19.2	19.2	19.0	19.5	19.7
287	Agricultural chemicals	8.6	8.5	9.6	9.4	9.3
289	Miscellaneous chemical products	17.1	16.6	17.5	18.0	18.2
	<b>PETROLEUM AND COAL PRODUCTS</b>	24.1	24.5	24.6	25.4	25.5
291	Petroleum refining	19.3	19.7	19.9	20.4	20.5
	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>	239.6	234.6	255.7	261.5	253.7
301	Tires and inner tubes	12.8	12.6	11.9	12.1	11.9
302	Rubber and plastics footwear	15.1	14.2	13.2	13.5	11.8
303.4	Reclaimed rubber, and rubber and plastics hose and belting	5.9	5.8	6.0	6.2	5.9
306	Fabricated rubber products, nec	38.8	38.2	39.0	39.6	38.3
307	Miscellaneous plastics products	167.0	163.8	185.6	190.1	185.8
	<b>LEATHER AND LEATHER PRODUCTS</b>	156.7	144.4	154.5	157.7	144.7
311	Leather tanning and finishing	3.2	2.9	3.1	3.2	3.0
314	Footwear, except rubber	106.1	97.9	106.3	108.5	99.4
3143	Men's footwear, except athletic	40.6	37.1	41.3	41.7	37.3
3144	Women's footwear, except athletic	44.8	40.9	43.2	44.5	41.7
316	Luggage	9.5	8.8	9.2	9.3	8.8
317	Handbags and personal leather goods	23.4	22.2	21.7	22.3	20.5
	<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	1,052	1,043	1,104	1,122	1,111
	<b>LOCAL AND INTERURBAN PASSENGER</b>					
41	<b>TRANSIT</b>	49.1	31.7	54.7	52.1	53.2
411	Local and suburban transportation	7.7	7.5	8.7	9.3	9.3
412	Taxicabs	6.5	6.6	7.3	7.2	7.1
413	Intercity highway transportation	5.0	5.2	4.6	4.7	4.9
415	School buses	27.7	10.6	31.5	28.4	29.7
	<b>TRUCKING AND WAREHOUSING</b>	126.6	128.2	134.2	137.6	137.7
421.3	Trucking and trucking terminals	112.9	114.7	119.7	123.3	123.3
422	Public warehousing	13.7	13.5	14.5	14.3	14.4
	<b>WATER TRANSPORTATION</b>	17.2	17.3	18.0	18.4	18.1

**ESTABLISHMENT DATA**  
**WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls, by industry—Continued**

[In thousands]

1972 SIC Code	Industry	June 1977	July 1977	May 1978	June 1978	July 1978
45	<b>TRANSPORTATION BY AIR</b>	113.9	115.9	119.3	121.9	123.5
451.2	Air transportation	107.7	109.7	112.3	114.7	116.3
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b>	1.9	1.9	1.9	1.9	1.9
47	<b>TRANSPORTATION SERVICES</b>	67.3	67.8	73.7	75.2	74.5
48	<b>COMMUNICATION</b>	532.0	535.3	552.7	561.1	567.9
481	Telephone communication	470.4	473.9	487.3	494.8	500.8
483	Radio and television broadcasting	46.9	46.9	51.2	52.0	52.3
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	125.5	126.3	130.6	133.7	134.8
491	Electric services	55.8	55.9	58.7	59.9	59.9
492	Gas production and distribution	31.5	31.8	32.2	33.1	33.7
493	Combination utility services	30.1	30.4	30.6	31.4	31.8
495	Sanitary services	3.7	3.8	4.5	4.5	4.5
	<b>WHOLESALE AND RETAIL TRADE</b>	7,733	7,704	8,116	8,205	8,184
50,51	<b>WHOLESALE TRADE</b>	1,145	1,142	1,201	1,218	1,211
50	<b>WHOLESALE TRADE-DURABLE GOODS</b>	607	612	653	660	662
501	Motor vehicles and automotive equipment	82.1	82.5	86.2	87.2	88.4
502	Furniture and home furnishings	31.2	32.2	34.3	34.1	34.3
503	Lumber and construction materials	25.5	26.0	27.7	28.0	28.1
504	Sporting goods, toys, and hobby goods	21.0	21.0	22.3	22.7	22.1
505	Metals and minerals, except petroleum	23.1	23.1	24.4	24.8	24.9
506	Electrical goods	96.5	97.3	106.1	107.6	107.7
507	Hardware, plumbing, and heating equipment	56.6	57.2	61.1	61.6	62.2
508	Machinery, equipment, and supplies	224.9	227.4	243.0	246.5	248.1
509	Miscellaneous durable goods	45.8	45.6	47.8	47.5	45.9
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b>	538	530	548	558	549
511	Paper and paper products	37.3	36.8	38.5	38.3	38.1
512	Drugs, proprietaries, and sundries	55.6	54.3	57.6	58.3	57.3
513	Apparel, piece goods, and notions	73.6	72.2	75.9	77.0	75.1
514	Groceries and related products	149.1	144.6	145.0	152.1	146.6
516	Chemicals and allied products	27.1	26.9	28.5	28.7	29.5
517	Petroleum and petroleum products	44.1	44.0	45.6	46.6	47.1
518	Beer, wine, and distilled beverages	18.2	18.3	19.1	19.4	19.4
519	Miscellaneous nondurable goods	98.1	97.9	102.3	102.7	102.5
52-59	<b>RETAIL TRADE</b>	6,588	6,562	6,915	6,987	6,973
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b>	137.2	138.0	141.5	141.6	141.3
521	Lumber and other building materials	52.1	52.3	55.8	57.0	57.9
525	Hardware stores	46.3	46.2	47.8	48.8	48.7
53	<b>GENERAL MERCHANDISE STORES</b>	1,467.4	1,456.6	1,521.1	1,534.9	1,528.1
531	Department stores	135.9	134.3	1,207.3	1,217.0	1,213.2
533	Variety stores	221.4	218.5	220.4	222.5	220.4
539	Misc. general merchandise stores	90.2	89.9	93.4	95.4	94.5
54	<b>FOOD STORES</b>	849.3	841.2	888.3	892.6	887.9
541	Grocery stores	702.4	701.1	743.9	749.2	748.3
542	Meat markets and freezer provisioners	14.1	14.1	13.5	13.2	13.2
546	Retail bakeries	73.7	69.7	69.5	69.3	68.0
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b>	274.8	276.6	291.1	298.1	301.5
551.2	New and used car dealers	109.9	110.6	117.0	119.3	120.1
553	Auto and home supply stores	38.6	39.4	43.2	45.6	45.2
554	Gasoline service stations	111.3	112.0	116.7	118.8	121.5
56	<b>APPAREL AND ACCESSORY STORES</b>	567.1	557.0	584.0	583.5	576.9
561	Men's and boys' clothing and furnishings	57.0	56.0	57.9	58.7	58.6
562	Women's ready-to-wear stores	271.9	266.7	281.3	279.2	274.1
565	Family clothing stores	111.7	109.9	114.8	114.4	113.6
566	Shoe stores	62.7	61.2	65.9	66.8	66.0

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls, by industry—Continued**

[In thousands]

1972 SIC Code	Industry	June 1977	July 1977	May 1978	June 1978	July 1978
57	<b>FURNITURE AND HOME FURNISHING STORES</b>	171.4	170.8	183.8	182.8	181.8
571	Furniture and home furnishings	117.2	117.5	123.1	122.9	123.1
572	Household appliance stores	21.9	21.4	23.6	23.8	23.6
573	Radio, television, and music stores	32.3	31.9	37.1	36.1	35.1
58	<b>EATING AND DRINKING PLACES</b>	2,260.0	2,268.2	2,400.3	2,451.0	2,461.9
59	<b>MISCELLANEOUS RETAIL</b>	860.5	853.5	904.9	902.5	893.9
591	Drug stores and proprietary stores	274.1	273.2	284.4	290.0	291.7
592	Liquor stores	21.7	22.4	24.3	24.7	25.2
594	Miscellaneous shopping goods stores	280.9	278.7	284.7	286.7	282.4
596	Nonstore retailers	142.5	140.9	149.5	151.4	150.3
598	Fuel and ice dealers	21.0	20.8	21.6	21.2	21.0
599	Retail stores, nec	102.7	99.6	120.8	108.9	103.7
	<b>FINANCE, INSURANCE, AND REAL ESTATE</b>	2,510	2,526	2,655	2,695	2,718
60	<b>BANKING</b>	923.0	930.3	969.4	984.9	991.2
602	Commercial and stock savings banks	849.1	855.3	891.4	906.1	911.7
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b>	296.3	298.8	316.7	320.9	323.5
612	Savings and loan associations	140.6	142.2	152.9	155.3	156.9
614	Personal credit institutions	103.6	104.3	110.5	111.4	111.8
62	<b>SECURITY, COMMODITY BROKERS, AND SERVICES</b>	67.2	67.7	70.3	71.8	72.6
621	Security brokers and dealers	54.3	54.4	57.0	57.9	58.3
63	<b>INSURANCE CARRIERS</b>	657.6	662.7	695.4	704.4	711.3
631	Life insurance	266.1	267.8	269.8	271.5	273.7
632	Medical service and health insurance	95.8	96.0	99.6	100.6	100.7
633	Fire, marine, and casualty insurance	252.5	254.9	277.8	282.9	286.7
64	<b>INSURANCE AGENTS, BROKERS, AND SERVICE</b>	223.7	223.8	236.1	238.2	240.6
65	<b>REAL ESTATE</b>	280.1	280.1	300.6	306.9	310.3
651	Real estate operators and lessors	121.4	119.7	129.7	132.1	134.7
653	Real estate agents and managers	116.3	116.8	126.3	129.1	130.0
655	Subdividers and developers	27.0	27.8	27.7	28.5	28.3
66	<b>COMBINED REAL ESTATE, INSURANCE, ETC.</b>	16.6	16.6	18.4	18.7	19.0
67	<b>HOLDING AND OTHER INVESTMENT OFFICES</b>	45.6	46.3	47.9	48.7	49.4
—	<b>SERVICES</b>	8,783	8,772	9,231	9,294	9,297
70	<b>HOTELS AND OTHER LODGING PLACES</b>	535.9	565.1	512.3	546.4	584.0
701	Hotels, motels, and tourist courts	511.5	526.7	493.6	522.1	545.1
72	<b>PERSONAL SERVICES</b>	589.9	584.0	602.7	599.8	591.7
721	Laundry, cleaning, and garment services	223.7	222.7	221.9	223.0	220.7
723	Beauty shops	244.4	242.4	248.2	248.4	245.5
726	Funeral service and crematories	17.2	17.2	18.1	18.1	18.2
73	<b>BUSINESS SERVICES</b>	958.8	959.3	1,042.3	1,058.1	1,071.0
731	Advertising	56.8	56.8	61.3	62.4	65.3
732	Credit reporting and collection	61.1	61.6	64.6	65.1	64.9
733	Mailing, reproduction, stenographic	42.1	40.8	47.5	46.2	46.9
734	Services to buildings	143.6	143.0	155.8	160.1	161.0
736	Personnel supply services	213.3	210.6	224.4	226.3	230.8
737	Computer and data processing services	85.8	85.7	95.6	96.8	99.2
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b>	76.4	76.4	84.2	85.1	84.4
753	Automotive repair shops	36.2	36.5	38.2	38.9	38.1
76	<b>MISCELLANEOUS REPAIR SERVICES</b>	41.1	42.4	45.5	46.5	45.8

**ESTABLISHMENT DATA**  
**WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls, by industry—Continued**

[In thousands]

1972 SIC Code	Industry	June 1977	July 1977	May 1978	June 1978	July 1978
78	<b>MOTION PICTURES</b> .....	82.0	85.4	80.3	85.1	87.0
781	Motion picture production and services .....	22.2	24.4	21.1	22.3	23.3
783	Motion picture theaters .....	54.0	55.3	53.7	57.4	58.4
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	274.0	292.0	270.7	302.0	309.5
80	<b>HEALTH SERVICES</b> .....	3,716.1	3,726.9	3,838.1	3,879.7	3,889.2
801	Offices of physicians .....	509.5	511.1	530.7	537.1	538.8
802	Offices of dentists .....	245.8	243.0	246.6	247.1	246.3
805	Nursing and personal care facilities .....	762.3	764.3	792.9	806.4	810.0
806	Hospitals .....	1,980.6	1,989.7	2,033.9	2,053.6	2,059.5
81	<b>LEGAL SERVICES</b> .....	284.9	287.7	297.8	304.7	306.2
82	<b>EDUCATIONAL SERVICES</b> .....	480.4	404.4	556.5	486.6	429.6
821	Elementary and secondary schools .....	143.6	93.2	155.6	149.4	122.0
822	Colleges and universities .....	283.5	257.8	344.0	281.9	254.0
83	<b>SOCIAL SERVICES</b> .....	602.6	617.7	689.2	686.8	704.2
89	<b>MISCELLANEOUS SERVICES</b> .....	227.0	229.1	253.0	257.6	257.6
891	Engineering and architectural services .....	79.7	80.2	87.9	90.7	91.5
893	Accounting, auditing, and bookkeeping .....	100.8	101.2	114.0	114.9	113.2
	<b>GOVERNMENT</b> .....	6,966	6,328	7,434	7,292	6,534
	<b>FEDERAL GOVERNMENT</b> .....	877	883	878	888	897
	<b>STATE AND LOCAL GOVERNMENT</b> .....	6,089	5,445	6,556	6,404	5,637
-	State government .....	1,487.9	1,424.2	1,549.2	1,479.0	1,416.9
-	Hospitals .....	322.0	321.2	315.5	313.7	312.7
-	State education .....	585.9	521.9	630.0	550.6	485.7
-	General administration including executive, legislative, and judicial functions .....	393.0	390.4	419.4	423.6	421.5
-	Local government .....	4,601.2	4,020.4	5,006.8	4,925.0	4,220.4
-	Transportation and public utilities .....	64.3	65.0	73.3	75.4	76.8
-	Hospitals .....	376.5	378.3	388.8	395.3	397.8
-	Local education .....	3,140.5	2,456.9	3,432.2	3,300.2	2,537.0
-	General administration including executive, legislative, and judicial functions .....	844.1	928.0	920.6	959.9	1,004.1

ESTABLISHMENT DATA  
SEASONALLY ADJUSTED EMPLOYMENT

**B-4. Employees on nonagricultural payrolls, by industry division and major manufacturing group, seasonally adjusted**

[In thousands]

Industry division and group	1977				1978											
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	P	Sept.	P	
<b>TOTAL</b>	82,973	83,199	83,549	83,719	83,871	84,188	84,726	85,418	85,618	85,996	86,033	86,164		86,106		
<b>GOODS-PRODUCING</b>	24,441	24,507	24,617	24,626	24,648	24,724	24,927	25,313	25,341	25,473	25,501	25,453		25,442		
<b>MINING</b>	830	833	840	687	678	684	698	867	869	879	882	886		885		
<b>CONSTRUCTION</b>	3,896	3,905	3,928	3,955	3,905	3,901	3,999	4,164	4,175	4,278	4,317	4,295		4,275		
<b>MANUFACTURING</b>	19,715	19,769	19,849	19,984	20,065	20,139	20,230	20,282	20,297	20,316	20,302	20,272		20,282		
<b>DURABLE GOODS</b>	11,637	11,693	11,746	11,851	11,917	11,986	12,041	12,076	12,093	12,109	12,138	12,143		12,167		
Lumber and wood products	730	736	745	756	754	756	752	751	745	747	743	743		742		
Furniture and fixtures	465	471	475	481	484	487	491	491	489	486	485	481		479		
Stone, clay, and glass products	672	673	680	685	689	691	692	699	700	701	698	690		690		
Primary metal industries	1,182	1,182	1,180	1,180	1,186	1,193	1,189	1,192	1,197	1,197	1,199	1,203		1,217		
Fabricated metal products	1,580	1,597	1,608	1,617	1,625	1,638	1,639	1,646	1,652	1,645	1,643	1,643		1,646		
Machinery, except electrical	2,204	2,219	2,232	2,251	2,259	2,271	2,289	2,309	2,311	2,332	2,345	2,354		2,355		
Electric and electronic equipment	1,881	1,891	1,903	1,912	1,923	1,935	1,951	1,951	1,952	1,962	1,977	1,975		1,975		
Transportation equipment	1,868	1,867	1,860	1,895	1,917	1,928	1,944	1,936	1,942	1,929	1,937	1,943		1,949		
Instruments and related products	620	620	623	628	632	635	639	644	649	654	660	662		665		
Miscellaneous manufacturing ind.	435	437	440	446	448	452	455	457	456	456	451	449		449		
<b>NONDURABLE GOODS</b>	8,078	8,076	8,103	8,133	8,148	8,153	8,189	8,206	8,204	8,207	8,164	8,129		8,115		
Food and kindred products	1,700	1,682	1,693	1,700	1,706	1,705	1,718	1,715	1,701	1,702	1,688	1,666		1,664		
Tobacco manufactures	72	72	71	74	74	74	76	74	75	76	73	68		69		
Textile mill products	912	914	918	917	917	917	911	916	911	913	908	909		907		
Apparel and other textile products	1,313	1,314	1,318	1,320	1,318	1,315	1,319	1,330	1,326	1,325	1,307	1,309		1,310		
Paper and allied products	695	694	693	697	699	699	703	706	709	709	710	698		695		
Printing and publishing	1,145	1,148	1,152	1,156	1,159	1,163	1,171	1,174	1,180	1,186	1,187	1,191		1,181		
Chemicals and allied products	1,073	1,073	1,073	1,076	1,079	1,081	1,081	1,085	1,093	1,091	1,091	1,088				
Petroleum and coal products	204	204	205	206	207	208	209	210	207	209	207	208		209		
Rubber and misc. plastic products	714	720	726	734	737	738	744	748	747	749	749	746		742		
Leather and leather products	250	255	254	253	252	253	252	253	253	252	243	252		250		
<b>SERVICE-PRODUCING</b>	58,532	58,692	58,932	59,093	59,223	59,464	59,799	60,105	60,277	60,523	60,532	60,711		60,664		
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	4,727	4,721	4,736	4,749	4,758	4,782	4,817	4,847	4,847	4,881	4,827	4,844		4,852		
<b>WHOLESALE AND RETAIL TRADE</b>	18,672	18,733	18,830	18,911	18,991	19,071	19,169	19,252	19,335	19,412	19,469	19,525		19,509		
<b>WHOLESALE TRADE</b>	4,736	4,745	4,761	4,783	4,802	4,828	4,854	4,872	4,885	4,905	4,901	4,905		4,921		
<b>RETAIL TRADE</b>	13,936	13,988	14,069	14,128	14,189	14,243	14,315	14,380	14,450	14,507	14,568	14,620		14,588		
<b>FINANCE, INSURANCE, AND REAL ESTATE</b>	4,487	4,508	4,535	4,547	4,563	4,591	4,605	4,623	4,637	4,670	4,690	4,711		4,723		
<b>SERVICES</b>	15,442	15,510	15,568	15,618	15,597	15,670	15,773	15,866	15,896	15,963	15,989	16,072		16,104		
<b>GOVERNMENT</b>	15,204	15,220	15,263	15,268	15,314	15,350	15,435	15,517	15,562	15,597	15,557	15,559		15,476		
<b>FEDERAL</b>	2,725	2,728	2,727	2,723	2,736	2,736	2,739	2,745	2,753	2,772	2,765	2,766				
<b>STATE AND LOCAL</b>	12,479	12,492	12,536	12,545	12,578	12,614	12,696	12,772	12,809	12,825	12,792	12,794		12,710		

p=preliminary.

**ESTABLISHMENT DATA  
SEASONALLY ADJUSTED EMPLOYMENT**

**B-5. Women employees on nonagricultural payrolls, by industry division and major manufacturing group, seasonally adjusted**

[In thousands]

Industry division and group	1977						1978						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
<b>TOTAL</b>	33,283	33,395	33,558	33,658	33,842	34,013	34,167	34,313	34,531	34,755	34,921	35,077	35,099
<b>GOODS-PRODUCING</b>	6,263	6,250	6,268	6,300	6,346	6,388	6,432	6,458	6,510	6,545	6,568	6,592	6,584
<b>MINING</b>	65	66	67	67	68	66	68	68	68	73	73	75	77
<b>CONSTRUCTION</b>	307	308	309	311	313	316	320	320	326	328	329	334	337
<b>MANUFACTURING</b>	5,891	5,876	5,892	5,922	5,965	6,006	6,044	6,070	6,116	6,144	6,166	6,183	6,170
<b>DURABLE GOODS</b>	2,658	2,656	2,669	2,692	2,716	2,746	2,773	2,794	2,819	2,831	2,848	2,862	2,870
Lumber and wood products	96	97	98	100	102	103	104	105	105	105	106	107	106
Furniture and fixtures	131	131	132	134	135	137	139	140	141	141	142	141	142
Stone, clay, and glass products	125	124	125	125	127	127	129	130	130	130	130	129	129
Primary metal industries <sup>1</sup>	112	110	113	113	113	113	114	114	115	115	117	120	121
Fabricated metal products	314	317	318	321	323	327	329	332	334	336	339	339	339
Machinery, except electrical	386	390	390	397	402	407	412	414	419	426	429	433	437
Electric and electronic equipment	777	775	774	782	789	795	800	807	813	813	815	818	823
Transportation equipment	259	257	262	262	264	269	274	276	281	280	284	285	286
Instruments and related products	257	255	257	257	257	261	264	268	271	273	277	279	279
Miscellaneous manufacturing ind.	201	200	200	201	204	207	208	210	213	214	213	213	211
<b>NONDURABLE GOODS</b>	3,233	3,220	3,223	3,230	3,249	3,260	3,271	3,276	3,297	3,313	3,318	3,321	3,300
Food and kindred products	477	470	471	466	474	478	482	482	484	485	480	485	482
Tobacco manufactures	28	26	26	26	26	28	27	27	28	27	28	27	27
Textile mill products	429	426	426	428	430	428	430	430	431	429	430	429	430
Apparel and other textile products	1,062	1,061	1,063	1,062	1,065	1,067	1,066	1,065	1,069	1,078	1,076	1,074	1,059
Paper and allied products	153	153	152	153	153	154	155	156	157	159	161	160	159
Printing and publishing	427	427	430	432	434	434	438	440	446	447	451	452	452
Chemicals and allied products	245	245	245	245	246	247	248	249	252	253	256	256	258
Petroleum and coal products	24	24	24	24	24	24	24	24	24	25	25	25	25
Rubber and misc. plastics products	241	238	236	240	244	248	249	251	254	257	258	260	260
Leather and leather products	147	150	150	154	153	152	152	152	152	153	153	153	148
<b>SERVICE-PRODUCING</b>	27,020	27,145	27,290	27,358	27,496	27,625	27,735	27,855	28,021	28,210	28,353	28,485	28,515
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	1,048	1,051	1,055	1,059	1,064	1,071	1,075	1,086	1,094	1,104	1,102	1,115	1,117
<b>WHOLESALE AND RETAIL TRADE</b>	7,773	7,817	7,846	7,856	7,903	7,947	8,006	8,050	8,098	8,138	8,188	8,225	8,258
<b>WHOLESALE TRADE</b>	1,145	1,151	1,154	1,155	1,162	1,170	1,176	1,184	1,196	1,207	1,210	1,217	1,215
<b>RETAIL TRADE</b>	6,628	6,666	6,692	6,701	6,741	6,777	6,830	6,866	6,902	6,931	6,978	7,008	7,043
<b>FINANCE, INSURANCE, AND REAL ESTATE</b>	2,506	2,518	2,536	2,556	2,576	2,589	2,602	2,618	2,631	2,646	2,658	2,679	2,696
<b>SERVICES</b>	8,737	8,779	8,875	8,897	8,938	8,986	9,003	9,035	9,109	9,144	9,176	9,220	9,260
<b>GOVERNMENT</b>	6,956	6,980	6,978	6,990	7,015	7,032	7,049	7,066	7,089	7,178	7,229	7,246	7,184
<b>FEDERAL</b>	865	865	853	856	856	847	855	856	858	863	882	874	879
<b>STATE AND LOCAL</b>	6,091	6,115	6,125	6,134	6,159	6,185	6,194	6,210	6,231	6,315	6,347	6,372	6,305

<sup>1</sup> The unadjusted data are shown because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

ESTABLISHMENT DATA  
SEASONALLY ADJUSTED EMPLOYMENT

**B-6. Production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls, by industry division and major manufacturing group, seasonally adjusted**

(In thousands)

Industry division and group	1977				1978								P	Sept. P
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.		
<b>TOTAL PRIVATE</b>	55,513	55,660	55,969	56,095	56,114	56,348	56,744	57,263	57,428	57,653	57,704	57,740	57,719	
<b>GOODS-PRODUCING</b>	17,826	17,874	17,985	17,976	17,954	18,016	18,198	18,541	18,565	18,660	18,675	18,607	18,607	
<b>MINING</b>	633	635	639	502	493	494	509	655	659	663	667	667	669	
<b>CONSTRUCTION</b>	3,052	3,062	3,083	3,099	3,021	3,023	3,122	3,288	3,303	3,401	3,439	3,415	3,397	
<b>MANUFACTURING</b>	14,141	14,177	14,263	14,375	14,440	14,499	14,567	14,598	14,603	14,596	14,569	14,525	14,541	
<b>DURABLE GOODS</b>	8,330	8,371	8,429	8,515	8,569	8,620	8,661	8,676	8,685	8,683	8,694	8,692	8,708	
Lumber and wood products	624	630	639	646	650	650	647	646	639	641	637	635	633	
Furniture and fixtures	382	387	391	397	399	401	405	405	404	400	398	394	393	
Stone, clay, and glass products	537	534	544	549	553	551	552	558	557	558	554	548	546	
Primary metal industries	921	922	921	922	929	937	933	934	939	939	942	946	955	
Fabricated metal products	1,195	1,210	1,221	1,228	1,234	1,247	1,247	1,251	1,257	1,250	1,245	1,242	1,245	
Machinery, except electrical	1,442	1,455	1,462	1,477	1,483	1,493	1,507	1,517	1,516	1,533	1,547	1,547	1,549	
Electric and electronic equipment	1,235	1,243	1,252	1,258	1,267	1,276	1,288	1,284	1,283	1,284	1,293	1,293	1,290	
Transportation equipment	1,288	1,281	1,284	1,312	1,326	1,332	1,342	1,337	1,344	1,327	1,328	1,339	1,344	
Instruments and related products	377	378	380	384	386	388	391	394	397	402	407	406	410	
Miscellaneous manufacturing ind.	329	331	335	342	342	345	349	350	349	349	343	342	343	
<b>NONDURABLE GOODS</b>	5,811	5,806	5,834	5,860	5,871	5,879	5,906	5,922	5,918	5,913	5,875	5,833	5,833	
Food and kindred products	1,150	1,131	1,142	1,151	1,156	1,158	1,168	1,167	1,154	1,152	1,142	1,121	1,125	
Tobacco manufactures	57	57	57	59	59	59	60	59	60	61	58	53	55	
Textile mill products	794	795	800	798	799	798	798	794	795	792	791	783	791	
Apparel and other textile products	1,124	1,125	1,130	1,131	1,132	1,131	1,134	1,144	1,140	1,137	1,121	1,125	1,126	
Paper and allied products	521	520	519	523	523	525	527	530	535	535	535	521	520	
Printing and publishing	647	650	651	653	656	658	663	664	668	668	669	670	661	
Chemicals and allied products	615	614	614	617	618	620	620	624	628	628	628	624	623	
Petroleum and coal products	133	134	134	135	136	136	137	137	135	136	135	136	137	
Rubber and misc. plastics products	556	562	569	575	576	578	583	586	586	587	587	584	581	
Leather and leather products	214	218	218	218	216	216	216	217	217	217	209	216	214	
<b>SERVICE-PRODUCING</b>	37,687	37,786	37,984	38,119	38,160	38,332	38,546	38,722	38,863	38,993	39,035	39,133	39,112	
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	4,015	4,009	4,015	4,024	4,028	4,044	4,067	4,094	4,086	4,109	4,051	4,062	4,064	
<b>WHOLESALE AND RETAIL TRADE</b>	16,445	16,496	16,607	16,676	16,737	16,812	16,894	16,952	17,079	17,106	17,155	17,210	17,179	
<b>WHOLESALE TRADE</b>	3,900	3,908	3,925	3,943	3,958	3,982	4,007	4,020	4,026	4,043	4,040	4,038	4,056	
<b>RETAIL TRADE</b>	12,545	12,588	12,682	12,733	12,779	12,830	12,887	12,932	13,053	13,063	13,125	13,172	13,123	
<b>FINANCE, INSURANCE, AND REAL ESTATE</b>	3,411	3,425	3,445	3,453	3,472	3,494	3,500	3,516	3,523	3,546	3,565	3,581	3,591	
<b>SERVICES</b>	13,816	13,856	13,917	13,966	13,923	13,982	14,085	14,160	14,175	14,232	14,254	14,280	14,278	

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

p=preliminary.

**ESTABLISHMENT DATA  
SEASONALLY ADJUSTED EMPLOYMENT**

**B-7. Indexes of diffusion: Percent of industries in which employment<sup>1</sup> increased**

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1975				
January.....	18.0	13.1	11.9	15.7
February.....	21.2	12.8	12.8	16.9
March.....	26.5	20.1	18.6	18.3
April.....	41.0	36.6	29.4	20.9
May.....	51.5	43.0	48.3	27.0
June.....	43.0	53.2	57.3	41.0
July.....	56.1	61.6	67.2	54.1
August.....	73.3	73.5	69.2	64.5
September.....	67.4	77.3	75.9	74.1
October.....	68.3	70.6	80.5	79.7
November.....	60.5	74.4	84.0	82.3
December.....	71.5	78.2	83.7	86.3
1976				
January.....	78.2	85.8	87.2	85.2
February.....	72.4	84.9	85.8	84.0
March.....	69.5	81.4	82.0	85.2
April.....	70.1	72.4	75.6	78.8
May.....	58.1	67.2	68.3	82.6
June.....	57.8	65.1	71.2	79.9
July.....	58.4	57.8	63.1	78.5
August.....	49.1	64.0	65.1	77.6
September.....	64.8	53.8	66.3	80.2
October.....	47.1	65.1	73.3	80.8
November.....	67.4	64.2	78.8	80.8
December.....	66.6	81.4	81.4	82.6
1977				
January.....	76.2	83.1	88.1	78.8
February.....	66.0	86.3	87.8	80.5
March.....	74.7	81.1	85.2	80.2
April.....	68.0	79.4	79.4	84.6
May.....	64.8	76.2	75.9	84.0
June.....	71.2	68.0	72.1	83.1
July.....	59.3	63.4	69.8	82.6
August.....	51.7	58.7	74.1	83.7
September.....	60.8	62.5	72.1	82.6
October.....	60.5	73.8	77.9	81.1
November.....	73.8	75.3	82.0	81.1
December.....	72.1	79.7	83.1	80.8
1978				
January.....	69.8	80.2	85.5	80.5
February.....	70.3	80.2	79.9	79.4p
March.....	70.1	75.9	77.9	77.3p
April.....	62.8	67.4	68.9	
May.....	56.4	63.7	64.5p	
June.....	67.2	62.5	54.7p	
July.....	54.9	54.1p		
August.....	53.2p	48.3p		
September.....	53.5p			
October.....				
November.....				
December.....				

<sup>1</sup> Number of employees, seasonally adjusted, on payrolls of 172 private nonagricultural industries.  
p = preliminary.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division**

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P
1 ALABAMA . . . . .	1,280.4	1,305.6	1,306.2	14.2	16.0	16.1	80.8	82.0	81.5	358.8	355.8	359.9
2 Birmingham . . . . .	334.9	343.7	345.3	8.5	9.4	9.4	23.4	25.2	25.2	67.4	66.7	67.9
3 Huntsville . . . . .	110.6	113.5	112.1	(1)	(1)	(1)	4.5	4.3	4.4	32.1	34.1	33.3
4 Mobile . . . . .	139.8	144.4	142.7	(1)	(1)	(1)	11.5	12.0	11.6	29.6	30.1	29.7
5 Montgomery . . . . .	96.8	99.4	99.5	(1)	(1)	(1)	6.8	6.6	6.6	15.0	15.7	15.7
6 Tuscaloosa . . . . .	48.7	46.4	47.0	.9	1.0	1.0	3.7	3.9	3.9	10.3	8.4	8.8
7 ALASKA . . . . .	167.6	167.6	170.0	4.9	5.2	5.2	21.1	17.0	18.1	13.3	15.9	16.3
8 ARIZONA . . . . .	787.5	832.2	834.3	21.1	19.7	19.9	51.2	64.1	65.0	112.8	120.2	121.7
9 Phoenix . . . . .	477.2	510.3	512.0	.6	.6	.6	31.1	39.6	40.6	84.6	88.9	89.6
10 Tucson . . . . .	148.5	153.7	154.4	6.5	5.9	5.9	9.5	12.0	12.1	13.1	14.8	15.2
11 ARKANSAS . . . . .	701.4	725.5	727.0	4.6	5.2	5.2	39.9	43.5	43.1	213.7	216.1	219.1
12 Fayetteville-Springdale . . . . .	54.7	57.8	57.7	(1)	(1)	(1)	3.0	3.4	3.3	17.7	18.2	18.0
13 Fort Smith . . . . .	61.7	66.1	64.9	.6	.8	.8	2.9	3.2	3.1	22.9	25.3	24.1
14 Little Rock-North Little Rock . . . . .	164.9	170.5	170.2	(1)	(1)	(1)	9.3	10.4	10.2	30.9	31.1	31.0
15 Pine Bluff . . . . .	27.5	28.4	28.6	(1)	(1)	(1)	1.1	1.2	1.3	6.3	6.0	6.1
16 CALIFORNIA . . . . .	8,574.5	9,015.1	9,074.1	35.7	36.4	36.1	376.2	416.7	428.7	1,762.1	1,811.9	1,852.9
17 Anaheim-Santa Ana-Garden Grove . . . . .	673.5	718.1	724.1	2.2	2.4	2.4	42.2	44.8	45.7	175.0	187.8	189.5
18 Bakersfield . . . . .	113.3	118.5	117.1	9.3	9.9	9.7	5.5	6.0	6.0	9.0	9.4	9.5
19 Fresno . . . . .	166.3	169.5	171.1	.8	.8	.8	9.2	10.1	10.4	23.4	24.0	25.0
20 Los Angeles-Long Beach . . . . .	3,208.3	3,323.6	3,327.9	11.5	11.7	11.7	102.7	106.7	110.2	815.5	850.6	848.9
21 Modesto . . . . .	87.5	81.7	91.6	.1	.1	.1	5.4	5.9	6.0	28.0	19.2	28.4
22 Oxnard-Simi Valley-Ventura . . . . .	123.0	127.5	127.9	2.2	2.3	2.2	5.8	5.7	5.8	20.0	19.6	20.4
23 Riverside-San Bernardino-Ontario . . . . .	363.2	382.5	381.9	2.4	2.4	2.3	18.3	20.4	20.7	57.5	61.4	61.8
24 Sacramento . . . . .	356.9	369.0	371.6	.4	.4	.4	18.9	21.4	21.8	29.1	25.0	29.5
25 Salinas-Seaside-Monterey . . . . .	81.1	82.2	82.5	.7	.7	.7	3.3	3.5	3.5	9.5	10.0	10.1
26 San Diego . . . . .	537.2	564.3	570.6	.8	.8	.8	34.2	36.3	36.8	78.2	84.5	85.8
27 San Francisco-Oakland . . . . .	1,402.6	1,428.7	1,422.9	1.9	1.8	1.6	62.4	64.6	65.5	196.2	194.4	196.6
28 San Jose . . . . .	538.9	571.1	577.6	.1	.1	.1	22.8	23.9	24.7	182.7	193.1	199.4
29 Santa Barbara-Santa Maria-Lompoc . . . . .	105.1	105.4	105.7	1.0	1.1	1.1	4.1	4.3	4.5	14.3	14.1	14.1
30 Santa Rosa . . . . .	75.6	78.4	79.1	.3	.3	.3	4.6	4.6	4.8	11.2	11.7	12.2
31 Stockton . . . . .	112.9	110.1	116.0	.1	.1	.1	4.9	5.1	5.3	25.2	20.2	25.7
32 Vallejo-Fairfield-Napa . . . . .	90.8	94.4	94.7	.2	.2	.2	4.2	4.3	4.5	9.8	9.9	10.5
33 COLORADO <sup>2</sup> . . . . .	(*)	1,033.9	1,036.6	(*)	24.5	24.9	(*)	69.3	70.3	(*)	150.0	150.9
34 Denver-Boulder <sup>2</sup> . . . . .	(*)	654.5	656.9	(*)	11.1	11.3	(*)	44.7	45.0	(*)	102.1	102.9
35 CONNECTICUT . . . . .	1,283.6	1,326.2	1,319.3	(3)	(3)	(3)	47.7	46.1	49.0	398.8	413.1	406.2
36 Bridgeport . . . . .	152.4	156.4	156.2	(3)	(3)	(3)	4.8	5.1	5.3	61.2	62.4	62.7
37 Hartford . . . . .	343.8	362.7	354.4	(3)	(3)	(3)	11.5	11.0	11.1	80.5	87.7	84.2
38 New Britain . . . . .	54.9	57.1	56.0	(3)	(3)	(3)	2.0	1.9	1.9	27.0	28.3	27.3
39 New Haven-West Haven . . . . .	175.3	178.2	177.5	(3)	(3)	(3)	6.4	6.4	6.7	43.2	44.7	43.5
40 Stamford . . . . .	97.9	102.2	102.3	(3)	(3)	(3)	4.6	4.8	4.8	26.8	29.4	29.3
41 Waterbury . . . . .	85.1	85.5	86.0	(3)	(3)	(3)	3.1	2.9	2.9	34.0	32.5	32.6
42 DELAWARE . . . . .	236.3	243.2	241.3	(1)	(1)	(1)	15.5	16.7	17.2	67.8	69.5	66.4
43 Wilmington . . . . .	206.6	214.9	211.6	(1)	(1)	(1)	14.1	15.7	15.7	62.4	65.7	62.1
44 DISTRICT OF COLUMBIA . . . . .	588.4	590.9	592.2	(1)	(1)	(1)	15.0	15.5	15.6	14.8	15.0	15.1
45 Washington SMSA . . . . .	1,395.8	1,441.3	1,441.7	(1)	(1)	(1)	76.1	78.9	78.9	49.9	51.4	51.6
46 FLORIDA . . . . .	2,821.2	2,971.6	2,972.4	8.7	8.7	8.7	177.4	205.7	207.3	373.7	396.1	401.1
47 Fort Lauderdale-Hollywood . . . . .	251.3	263.3	263.2	(1)	(1)	(1)	20.0	20.3	20.3	30.1	32.8	33.0
48 Jacksonville . . . . .	259.3	262.6	261.0	(1)	(1)	(1)	15.5	15.0	14.9	32.1	33.8	33.9
49 Miami . . . . .	605.7	629.5	632.0	(1)	(1)	(1)	27.6	31.2	31.9	86.8	90.8	92.6
50 Orlando . . . . .	220.8	231.1	231.1	(1)	(1)	(1)	12.7	13.5	14.0	26.9	29.8	30.1
51 Pensacola . . . . .	89.1	92.2	92.4	(1)	(1)	(1)	6.3	6.8	6.8	13.4	12.8	12.9
52 Tampa-St. Petersburg . . . . .	427.5	452.4	451.6	(1)	(1)	(1)	27.1	31.9	32.1	61.0	63.4	64.5
53 West Palm Beach-Boca Raton . . . . .	148.1	155.2	154.9	(1)	(1)	(1)	11.2	12.3	12.7	20.5	21.4	21.7
54 GEORGIA . . . . .	1,893.6	1,935.0	1,938.9	7.2	7.4	7.5	91.8	99.8	99.5	489.6	496.7	498.1
55 Albany . . . . .	38.0	38.8	39.7	(1)	(1)	(1)	2.9	3.2	3.9	9.5	9.9	10.2
56 Atlanta . . . . .	783.4	795.9	792.0	(1)	(1)	(1)	34.2	34.8	34.6	123.4	129.1	125.8
57 Augusta . . . . .	113.0	116.8	120.6	(1)	(1)	(1)	7.6	6.8	7.0	35.9	35.9	35.9
58 Columbus . . . . .	80.2	79.9	80.5	(1)	(1)	(1)	5.5	5.2	4.9	19.8	20.4	20.9
59 Macon . . . . .	95.0	94.2	95.3	(1)	(1)	(1)	4.4	4.3	4.3	17.5	15.9	16.4
60 Savannah . . . . .	78.5	79.9	80.1	(1)	(1)	(1)	5.4	4.9	4.9	16.6	16.6	16.6

See footnotes at end of table.

ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT

**B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued**

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government				
AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978E	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978E		
66.3	69.7	69.5	262.1	264.4	264.6	56.8	58.1	58.1	179.4	181.8	182.2	262.0	277.8	274.3	1	
25.1	26.6	26.7	81.0	82.7	83.0	22.8	23.7	23.7	58.4	58.9	59.1	48.3	50.5	50.3	2	
2.6	2.6	2.6	21.0	21.5	21.7	3.1	3.2	3.2	16.5	16.8	16.5	30.8	31.0	30.4	3	
10.6	11.2	10.9	34.3	35.3	35.1	6.6	6.6	6.6	26.0	26.4	26.4	21.2	22.8	22.2	4	
4.5	4.8	4.9	23.8	24.2	24.1	5.6	5.7	5.7	17.2	17.8	17.9	23.9	24.6	24.6	5	
1.8	1.8	1.8	9.2	9.3	9.0	1.6	1.7	1.7	5.6	5.0	5.0	15.6	15.3	15.8	6	
16.2	16.3	16.4	28.5	28.7	28.7	7.9	8.3	8.3	26.9	25.6	26.5	48.8	50.6	50.5	7	
41.1	44.6	44.4	190.7	202.5	201.8	45.5	47.8	48.0	152.7	157.2	157.4	172.4	176.1	176.1	8	
24.9	27.4	27.2	124.7	132.0	131.6	34.8	36.4	36.6	91.0	95.9	96.1	85.5	89.5	89.5	9	
7.8	7.9	8.0	33.8	35.5	35.4	6.7	7.1	7.1	29.9	31.4	31.5	41.2	39.1	39.2	10	
38.6	40.3	41.0	152.4	159.6	161.1	29.9	31.0	31.0	98.9	103.8	102.2	123.4	126.0	124.3	11	
2.9	3.0	2.9	13.1	14.2	14.4	2.1	2.1	2.2	6.9	7.4	7.5	9.0	9.5	9.4	12	
3.0	3.2	3.2	13.1	13.9	13.8	2.2	2.3	2.4	10.5	10.8	10.9	6.5	6.6	6.6	13	
11.1	11.7	11.7	38.5	39.4	39.5	11.9	12.3	12.2	30.0	31.1	31.2	33.2	34.5	34.4	14	
3.6	3.5	3.5	5.8	5.8	5.8	1.2	1.3	1.3	4.5	4.8	4.6	5.0	5.6	5.8	15	
482.0	498.7	503.1	1,985.8	2,126.9	2,141.4	505.7	527.9	531.0	1,764.1	1,872.1	1,894.1	1,662.5	1,724.5	1,686.8	16	
20.7	22.3	22.4	164.5	178.7	180.1	39.8	43.5	43.7	136.7	147.5	149.0	92.4	91.1	91.3	17	
6.8	7.2	7.3	28.9	30.5	29.9	4.1	4.3	4.3	18.2	19.1	19.1	31.5	32.1	31.5	18	
9.3	9.5	9.6	46.1	47.8	48.4	8.8	9.3	9.3	32.1	31.1	31.5	36.6	36.9	36.1	19	
178.3	183.6	186.5	742.0	777.3	779.5	198.5	204.3	204.8	692.7	722.8	729.2	467.1	466.6	457.1	20	
3.5	3.5	3.7	19.5	20.2	20.7	2.6	2.7	2.7	14.2	15.1	15.2	14.2	15.0	14.8	21	
5.2	5.3	5.4	29.4	32.6	32.6	5.1	5.1	5.1	21.9	22.4	22.5	33.4	34.5	33.9	22	
20.3	21.1	21.3	87.9	93.1	93.4	14.6	15.3	15.4	73.8	77.3	77.3	86.4	91.5	89.7	23	
18.9	19.5	19.6	79.3	82.8	83.1	17.0	18.3	18.5	60.9	64.4	64.4	132.4	137.2	134.3	24	
4.9	5.0	5.0	21.5	22.3	22.4	3.6	3.8	3.8	16.2	17.1	17.2	19.6	19.6	19.6	25	
24.7	25.7	26.0	125.0	133.7	135.5	30.4	32.2	32.5	120.9	124.1	127.3	123.0	127.0	125.5	26	
121.6	123.0	123.9	319.9	330.9	325.4	122.2	126.5	126.5	293.8	303.9	305.4	284.6	283.6	277.4	27	
18.8	19.2	19.5	102.5	109.2	110.5	21.6	22.4	22.5	117.0	124.4	124.5	73.4	78.6	76.4	28	
3.8	3.8	3.8	25.5	26.3	26.2	4.6	4.5	4.5	26.7	27.4	27.8	25.1	23.9	23.7	29	
3.9	4.2	4.2	17.8	18.9	19.0	4.2	4.4	4.4	14.7	15.3	15.4	18.9	19.0	18.8	30	
7.8	7.7	8.1	25.0	25.7	26.1	4.5	4.6	4.7	19.9	20.5	20.7	25.5	26.2	25.3	31	
3.9	4.0	4.0	17.4	19.4	19.4	2.9	3.1	3.1	15.9	16.9	16.9	36.5	36.6	36.1	32	
(*)	68.6	68.7	(*)	243.1	243.9	(*)	63.0	63.3	(*)	199.9	200.5	(*)	215.5	214.2	233	
(*)	46.4	46.4	(*)	158.5	159.4	(*)	46.8	46.9	(*)	125.9	126.0	(*)	119.0	118.9	118.9	34
53.6	54.2	54.5	267.7	277.4	276.6	91.6	95.5	95.3	249.2	262.4	262.9	175.0	175.6	174.8	35	
5.4	5.4	5.4	31.1	32.1	32.0	6.4	6.5	6.5	28.2	28.4	28.5	15.4	16.5	15.7	36	
14.0	14.3	14.2	72.1	73.5	73.0	52.9	55.6	55.7	64.7	68.4	67.8	48.2	52.2	48.4	37	
1.3	1.3	1.3	9.2	9.6	9.5	1.5	1.6	1.6	8.3	8.7	8.6	5.6	5.8	5.8	38	
14.1	14.0	14.1	37.0	37.3	37.5	9.7	10.0	10.0	43.0	43.1	42.9	22.1	23.0	22.7	39	
3.4	3.5	3.5	22.6	23.4	23.4	6.7	7.0	7.0	22.7	23.9	23.9	9.1	10.2	10.5	40	
2.9	2.9	2.9	15.3	15.7	15.7	2.9	3.1	3.1	16.5	17.7	18.2	10.5	10.6	10.6	41	
12.2	12.2	12.2	51.2	51.8	51.7	11.2	11.4	11.4	40.2	41.1	41.7	38.2	40.5	40.7	42	
11.3	11.5	11.5	41.6	42.5	42.2	10.0	10.1	10.1	35.8	36.6	37.1	31.2	32.8	32.9	43	
25.7	25.9	25.9	63.4	65.8	65.9	33.3	33.0	33.1	150.2	149.7	149.9	285.0	266.0	286.7	44	
64.1	65.0	65.1	267.2	276.1	277.4	82.2	83.5	83.5	335.0	341.1	341.4	523.3	545.3	543.8	45	
184.7	181.4	181.7	733.6	764.5	758.1	201.4	210.1	210.5	612.7	652.3	652.8	529.0	552.6	552.2	46	
13.1	13.5	13.4	70.4	74.1	75.0	21.6	22.7	22.5	59.9	62.4	61.8	36.2	37.5	37.2	47	
21.4	21.8	21.8	69.5	69.9	70.0	27.9	28.9	28.9	48.4	49.0	49.0	44.5	44.2	42.5	48	
59.2	61.3	61.6	158.9	157.6	158.7	44.9	46.1	46.1	138.7	145.1	144.2	89.6	97.4	96.9	49	
11.4	11.3	11.2	61.5	63.4	63.1	15.4	16.4	16.5	57.9	62.1	61.7	35.0	34.6	34.5	50	
4.4	4.5	4.6	20.4	20.8	21.0	3.7	3.6	3.6	16.7	17.8	17.6	24.2	25.9	25.9	51	
26.0	26.0	25.9	122.9	126.1	126.1	32.3	34.4	34.1	94.1	97.4	97.2	64.1	73.2	71.7	52	
6.8	6.9	6.9	38.7	40.2	39.7	11.9	12.8	12.9	34.6	36.0	35.6	24.4	25.6	25.4	53	
119.5	125.3	125.3	435.3	443.6	445.1	100.3	101.4	102.1	286.8	289.0	289.0	363.1	371.8	372.4	54	
1.8	1.9	1.9	8.6	8.9	8.7	1.8	1.8	1.9	4.9	4.8	4.8	8.5	8.3	8.3	55	
71.2	74.5	74.4	222.3	224.3	224.7	56.8	57.3	57.4	146.8	147.3	146.9	128.7	128.7	128.1	56	
3.8	3.9	3.9	19.5	21.8	24.7	4.2	4.2	4.3	14.1	15.1	15.0	27.6	29.1	29.7	57	
3.1	3.2	3.2	16.6	17.4	17.4	4.8	5.0	5.0	11.2	11.2	11.2	19.1	17.6	17.8	58	
4.4	4.4	4.4	18.6	18.9	19.1	5.6	5.7	5.7	15.1	15.5	15.5	29.5	29.4	29.7	59	
7.9	8.0	8.1	18.1	18.6	18.6	3.8	3.9	3.9	13.2	12.9	12.9	13.6	15.0	15.1	60	

**ESTABLISHMENT DATA**  
**STATE AND AREA EMPLOYMENT**

**B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued**

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978F	AUG. 1977	JULY 1978	AUG. 1978F	AUG. 1977	JULY 1978	AUG. 1978F
1 HAWAII .....	363.6	370.8	370.2	(1)	(1)	(1)	20.7	20.2	20.2	26.4	27.6	26.4
2 Honolulu .....	301.5	307.6	306.6	(1)	(1)	(1)	17.3	17.3	17.3	19.5	21.0	19.8
3 IDAHO .....	312.4	322.3	324.1	3.4	4.1	4.1	22.4	24.5	24.6	53.6	56.1	55.1
4 Boise City .....	71.0	76.3	77.1	(1)	(1)	(1)	6.0	7.4	7.5	7.4	8.4	8.5
5 ILLINOIS .....	4,652.1	4,757.1	4,768.9	27.7	27.0	26.8	193.7	198.3	201.4	1,244.9	1,234.2	1,241.2
6 Bloomington-Normal .....	48.1	48.2	49.1	(3)	(3)	(3)	1.6	1.5	1.5	7.9	8.2	8.5
7 Champaign-Urbana-Rantoul .....	61.9	64.6	63.2	(3)	(3)	(3)	3.1	3.3	3.5	6.3	6.5	6.6
8 Chicago-Gary .....	(*)	3,468.7	(*)	(*)	4.5	(*)	156.5	(*)	(*)	(*)	954.7	(*)
9 Chicago SMSA *	3,153.3	3,222.0	3,230.4	4.6	4.4	4.4	125.9	139.5	140.7	848.6	847.4	854.4
10 Davenport-Rock Island-Moline .....	154.8	157.2	157.5	(3)	(3)	(3)	7.2	7.4	7.6	47.9	47.3	47.2
11 Decatur .....	54.4	55.8	56.4	(3)	(3)	(3)	4.2	4.3	4.4	18.0	18.6	18.7
12 Peoria .....	147.2	153.2	153.8	(3)	(3)	(3)	5.2	5.8	10.1	50.6	52.8	52.9
13 Rockford .....	112.8	120.2	120.9	(3)	(3)	(3)	4.1	4.0	4.1	49.4	55.3	56.3
14 Springfield .....	90.0	86.1	90.9	(3)	(3)	(3)	5.2	5.1	5.1	9.7	8.8	8.6
15 INDIANA .....	2,112.8	2,194.2	2,207.3	9.1	9.4	9.4	98.1	104.5	108.2	712.1	731.2	737.3
16 Anderson .....	51.7	52.2	52.1	(1)	(1)	(1)	1.3	1.3	1.3	25.2	24.7	25.0
17 Evansville .....	119.2	121.8	120.8	2.4	2.5	2.5	6.9	7.0	7.2	37.4	39.0	37.9
18 Fort Wayne .....	164.4	168.7	169.5	(1)	(1)	(1)	6.9	7.6	7.7	59.8	61.1	61.6
19 Gary-Hammond-East Chicago *	256.3	259.1	260.9	(1)	(1)	(1)	15.9	16.6	16.6	101.8	102.6	103.6
20 Indianapolis .....	487.8	498.5	500.6	(1)	(1)	(1)	20.6	21.0	21.4	124.7	126.7	126.4
21 Lafayette-West Lafayette .....	50.5	53.6	52.7	(1)	(1)	(1)	2.2	2.3	2.2	11.6	13.0	12.5
22 Muncie .....	48.2	48.2	48.4	(1)	(1)	(1)	2.2	2.3	2.3	14.6	13.5	14.1
23 South Bend .....	105.8	107.9	107.4	(1)	(1)	(1)	4.5	4.8	5.0	33.5	33.5	33.8
24 Terre Haute .....	59.2	60.9	61.7	1.2	1.3	1.3	2.7	2.2	2.6	16.4	16.8	17.1
25 IOWA .....	1,054.1	1,079.1	1,079.3	2.6	2.5	2.5	61.2	62.1	62.7	244.2	243.2	244.4
26 Cedar Rapids .....	79.0	81.1	81.6	(1)	(1)	(1)	3.7	4.0	4.2	27.7	28.9	29.1
27 Des Moines .....	168.7	170.9	170.0	(1)	(1)	(1)	8.2	7.8	7.9	25.3	23.8	24.0
28 Dubuque .....	42.4	43.0	43.1	(1)	(1)	(1)	1.7	2.1	2.1	16.6	16.5	16.5
29 Sioux City .....	50.0	51.3	50.9	(1)	(1)	(1)	4.5	4.2	4.1	8.6	9.8	9.8
30 Waterloo-Cedar Falls .....	62.1	62.8	62.1	(1)	(1)	(1)	3.2	2.7	2.8	21.8	21.8	21.6
31 KANSAS .....	863.5	892.2	888.1	12.3	13.1	13.4	48.8	48.3	48.5	172.2	184.3	182.0
32 Topeka .....	81.3	84.3	84.2	.2	.2	.2	3.7	3.9	4.0	11.3	11.7	11.5
33 Wichita .....	179.2	187.7	188.5	1.9	2.2	2.2	10.5	10.1	10.2	51.8	58.9	59.9
34 KENTUCKY .....	1,155.6	1,223.4	1,235.3	42.3	57.8	57.7	66.5	79.5	79.6	281.6	289.3	295.9
35 Lexington-Fayette .....	129.2	137.7	140.1	(1)	(1)	(1)	7.5	8.8	9.1	29.5	30.8	31.6
36 Louisville .....	376.8	394.0	401.6	(1)	(1)	(1)	20.0	22.0	22.5	104.3	105.1	110.0
37 Owensboro .....	28.6	29.9	30.2	.6	.7	.8	1.9	2.3	2.4	7.5	7.0	7.1
38 LOUISIANA .....	1,325.1	1,356.8	1,357.0	66.2	68.7	68.6	104.7	106.5	106.6	204.3	203.6	204.9
39 Alexandria .....	45.9	46.9	46.8	(1)	(1)	(1)	3.3	3.4	3.5	5.5	6.0	5.9
40 Baton Rouge .....	165.8	179.8	180.1	1.0	.8	.6	22.4	23.6	24.0	23.9	24.4	24.3
41 Lafayette .....	57.0	58.3	58.1	9.4	9.7	10.0	4.9	5.5	5.4	3.4	3.5	3.5
42 Lake Charles .....	52.5	54.5	54.5	1.4	1.5	1.5	5.8	5.8	6.1	11.7	12.2	12.2
43 Monroe .....	45.1	48.4	46.3	.4	.3	.3	4.8	5.8	5.8	7.9	8.1	8.0
44 New Orleans .....	447.6	456.6	456.2	14.5	14.8	14.8	26.6	27.0	26.9	51.3	52.5	52.2
45 Shreveport .....	133.5	138.1	138.5	4.9	4.8	4.8	8.5	9.7	9.9	28.2	28.4	28.6
46 MAINE .....	406.1	410.6	416.2	(1)	(1)	(1)	24.3	23.3	23.1	109.7	106.7	112.0
47 Lewiston-Auburn .....	32.8	32.6	34.3	(1)	(1)	(1)	1.4	1.6	1.6	12.5	10.9	12.5
48 Portland .....	84.5	88.0	89.2	(1)	(1)	(1)	4.6	4.4	4.4	15.6	16.2	17.5
49 MARYLAND .....	1,538.6	1,587.9	1,586.1	1.6	1.6	1.6	95.8	98.5	99.3	236.3	241.1	242.1
50 Baltimore .....	866.3	903.0	900.4	(1)	(1)	(1)	47.3	47.9	48.3	159.9	164.4	164.5
51 MASSACHUSETTS .....	2,425.4	2,505.0	2,525.0	(1)	(1)	(1)	80.6	82.8	84.4	619.4	638.1	652.5
52 Boston *	1,310.7	1,363.6	1,369.8	(1)	(1)	(1)	44.7	45.3	46.2	265.3	281.5	284.0
53 Brockton *	(*)	56.2	56.5	-	-	-	(*)	2.1	2.1	(*)	12.0	12.1
54 Fall River *	(*)	57.1	58.9	(*)	(1)	(1)	(*)	1.6	1.5	(*)	20.2	21.1
55 Lawrence-Haverhill *	(*)	106.9	107.3	(*)	(1)	(1)	(*)	2.7	2.7	(*)	39.9	40.6
56 Lowell *	(*)	68.3	68.9	(*)	(1)	(1)	(*)	2.8	2.9	(*)	22.6	23.1
57 New Bedford *	(*)	62.5	63.1	(*)	(1)	(1)	(*)	2.0	2.0	(*)	24.9	25.4
58 Springfield-Chicopee-Holyoke *	219.5	223.4	224.2	(1)	(1)	(1)	5.5	5.8	5.9	65.0	65.7	66.3
59 Worcester *	(*)	155.9	156.4	(*)	(1)	(1)	(*)	4.3	4.3	(*)	46.0	46.6
60 MICHIGAN .....	3,393.9	3,508.2	(*)	9.9	13.9	(*)	144.0	160.3	(*)	1,079.9	1,115.7	(*)
61 Ann Arbor .....	120.3	125.6	(*)	(1)	(1)	(*)	3.2	3.4	(*)	40.1	42.6	(*)
62 Battle Creek .....	65.3	66.6	(*)	(1)	(1)	(*)	1.8	1.9	(*)	23.7	24.2	(*)

ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT

**B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued**

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978E	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978E	
28.7	29.0	28.8	91.5	92.3	92.5	24.7	25.3	25.3	84.7	87.4	87.5	86.9	89.0	88.5	1
23.7	24.0	23.8	76.7	76.8	76.9	22.0	22.5	22.6	68.7	71.0	71.1	73.2	75.0	75.1	2
18.3	19.1	19.3	76.7	78.3	79.2	16.4	16.5	16.5	53.8	55.7	56.4	67.8	68.0	68.7	3
4.4	4.6	4.6	19.0	20.3	20.5	5.8	6.2	6.3	12.1	13.2	13.4	16.3	16.3	16.3	4
276.4	283.0	283.3	1,055.0	1,068.7	1,068.5	272.7	282.8	282.1	867.7	890.9	894.8	714.0	772.4	770.8	5
2.9	3.0	3.0	11.2	11.8	11.9	7.2	7.5	7.5	7.7	7.9	7.9	9.7	8.3	8.6	6
2.5	2.6	2.6	14.5	14.5	14.5	2.2	2.3	2.4	9.9	10.1	10.1	23.4	25.4	23.6	7
(*)	210.8	(*)	770.2	(*)	(*)	219.6	(*)	(*)	670.2	(*)	(*)	422.4	(*)	(*)	8
190.9	195.7	196.2	722.3	720.0	718.3	203.0	210.9	211.0	625.0	636.4	637.5	433.0	467.7	468.0	9
7.6	7.7	7.7	38.9	39.7	39.9	6.6	6.7	6.7	22.9	23.5	23.6	23.6	25.1	24.6	10
4.7	4.4	4.4	11.4	11.9	11.9	2.4	2.5	2.5	9.3	9.6	9.8	4.5	4.3	4.9	11
7.2	8.2	8.2	34.4	34.9	35.0	6.9	7.2	7.2	25.7	27.9	28.0	13.1	12.5	12.4	12
4.5	4.5	4.5	23.9	24.5	24.4	3.7	3.9	3.9	16.6	16.6	16.6	10.6	11.4	11.0	13
4.9	5.0	5.0	19.3	18.3	20.5	6.5	6.9	6.9	18.6	16.9	18.9	25.8	25.1	25.9	14
106.3	107.3	107.7	457.1	476.6	478.1	94.1	96.4	96.5	296.3	303.7	305.2	339.8	365.1	344.8	15
1.4	1.5	1.5	9.9	10.5	10.6	1.6	1.7	1.7	6.3	-6.6	6.5	-6.0	5.5	5.5	16
6.3	6.4	6.4	27.9	28.6	28.7	4.0	4.1	4.1	22.0	22.0	21.9	12.3	12.2	12.1	17
10.4	10.6	10.6	37.8	38.7	38.9	9.3	9.6	9.6	24.7	25.6	25.7	15.5	15.5	15.4	18
14.9	14.8	14.9	48.2	49.4	49.6	8.7	8.8	8.9	32.3	33.2	33.3	34.5	33.7	33.6	19
29.9	30.1	30.1	118.3	120.6	121.5	34.3	35.0	35.0	75.4	78.3	78.8	84.6	86.8	87.4	20
1.5	1.5	1.6	10.2	10.6	10.8	2.7	2.8	2.8	7.9	8.2	8.3	14.4	15.2	14.5	21
2.0	2.0	2.0	11.3	11.7	11.7	1.5	1.5	1.5	7.0	7.4	7.4	9.6	9.6	9.4	22
5.1	5.2	5.2	25.1	25.7	25.6	5.0	5.0	5.0	21.2	21.9	21.6	11.4	11.6	11.2	23
3.9	3.9	3.9	14.6	15.2	15.3	1.9	2.0	2.0	8.6	8.9	8.9	9.9	10.6	10.6	24
55.1	55.1	54.9	270.0	276.1	276.7	52.6	53.8	53.9	184.1	189.0	191.6	184.3	197.3	192.6	25
3.8	3.8	3.8	17.1	17.1	17.3	3.9	4.1	4.1	14.0	14.0	15.9	8.8	9.3	9.1	26
10.8	10.8	10.7	45.2	45.9	45.9	18.7	19.3	19.2	34.0	35.8	35.1	26.4	27.5	27.2	27
1.7	1.7	1.7	9.2	9.5	9.5	1.2	1.2	1.2	8.4	8.5	8.6	3.6	3.5	3.5	28
3.5	3.7	3.7	13.7	13.7	13.6	2.7	2.7	2.7	10.6	10.7	10.7	6.4	6.5	6.2	29
2.6	2.6	2.5	13.4	13.6	13.6	1.9	1.9	1.9	10.3	10.2	10.2	9.0	10.1	9.6	30
58.4	60.6	59.9	211.6	216.8	217.3	43.2	44.8	44.9	152.2	158.1	158.2	164.8	166.2	163.9	31
7.6	7.7	7.6	18.0	18.4	18.5	5.7	5.7	5.7	14.9	15.8	15.7	19.9	20.5	21.0	32
10.1	10.2	10.2	40.5	41.3	41.3	9.1	9.2	9.2	34.4	34.3	34.3	21.1	21.5	21.2	33
65.4	68.3	68.6	251.6	267.9	270.1	47.4	51.2	51.1	185.2	188.2	190.1	213.7	221.2	222.2	34
6.4	6.8	6.8	30.1	32.1	32.3	6.3	6.6	6.6	22.0	23.6	23.8	27.4	29.0	29.9	35
23.7	25.1	25.1	83.2	87.2	89.6	21.1	22.4	22.4	69.9	72.9	72.8	54.6	59.2	59.2	36
2.0	2.1	2.1	6.7	7.4	7.3	1.2	1.3	1.3	4.8	5.1	5.2	3.9	4.0	4.0	37
102.4	106.4	106.2	321.3	325.4	325.5	65.1	67.9	67.8	218.3	230.4	230.1	242.8	247.9	247.1	38
2.3	2.4	2.4	11.0	10.8	10.6	2.7	2.6	2.7	8.7	9.2	9.2	12.0	12.5	12.5	39
8.3	9.1	9.1	36.5	37.6	37.7	10.2	10.5	10.7	25.6	25.0	25.0	37.9	48.6	48.5	40
4.2	4.0	4.0	15.1	15.8	15.7	1.6	2.0	2.0	10.1	9.6	9.5	8.1	8.2	8.0	41
3.0	3.1	3.1	12.3	12.5	12.5	2.2	2.3	2.3	8.1	8.0	7.9	8.0	9.1	8.9	42
2.2	2.4	2.4	12.0	11.8	11.8	3.0	3.2	3.2	6.9	7.1	7.1	7.9	9.7	9.7	43
46.0	47.9	47.7	116.9	119.3	119.6	27.3	27.6	27.5	97.0	97.8	97.7	68.0	69.7	69.8	44
9.5	9.6	9.6	34.2	35.3	35.3	6.1	6.1	6.2	21.8	23.1	23.2	20.3	21.1	20.9	45
18.9	18.3	18.4	89.7	94.0	94.8	15.5	15.8	15.8	77.3	77.0	77.2	70.7	75.5	74.9	46
1.0	1.0	1.1	7.7	8.0	8.1	1.4	1.4	1.4	6.4	6.8	6.7	2.4	2.9	2.9	47
5.2	5.1	5.2	22.4	23.9	24.0	6.5	6.9	6.9	18.2	18.8	19.1	12.0	12.7	12.1	48
78.9	80.0	80.7	369.8	376.6	377.9	83.9	85.4	85.6	300.1	312.9	313.7	368.2	391.8	385.2	49
54.0	55.4	56.0	196.9	203.5	203.1	51.4	52.1	52.0	164.8	172.9	173.4	192.0	206.6	202.7	50
112.0	114.1	114.2	541.8	560.6	562.3	140.8	145.4	144.6	541.2	572.3	576.3	389.6	391.7	390.7	51
67.4	66.7	66.9	294.6	297.5	298.3	95.5	99.3	99.3	338.8	365.5	367.4	204.4	207.6	207.7	52
(*)	3.9	3.9	(*)	15.2	15.3	(*)	2.2	2.2	(*)	6.7	8.7	(*)	12.1	12.2	53
(*)	2.0	2.0	(*)	12.8	13.0	(*)	2.7	2.7	(*)	9.3	9.7	(*)	8.5	8.9	54
(*)	3.8	3.8	(*)	22.7	22.5	(*)	3.6	3.6	(*)	15.6	15.6	(*)	18.6	18.5	55
(*)	2.9	3.0	(*)	15.0	15.0	(*)	2.1	2.1	(*)	10.5	10.5	(*)	12.4	12.3	56
(*)	2.6	2.6	(*)	11.9	12.1	(*)	1.9	1.9	(*)	9.1	9.1	(*)	10.1	10.0	57
9.0	9.0	9.0	44.5	45.2	45.1	11.3	11.6	11.6	41.4	42.4	42.5	42.4	43.7	43.8	58
(*)	6.8	6.7	(*)	33.7	33.7	(*)	8.6	8.6	(*)	29.0	28.9	(*)	27.5	27.6	59
148.5	148.4	(*)	701.2	711.9	(*)	141.5	147.4	(*)	579.1	596.8	(*)	589.7	613.7	(*)	60
2.2	2.2	(*)	17.3	18.6	(*)	3.6	3.9	(*)	17.8	17.6	(*)	36.1	37.4	(*)	61
2.1	2.2	(*)	10.7	11.1	(*)	3.5	3.6	(*)	11.2	11.3	(*)	12.3	12.3	(*)	62

**ESTABLISHMENT DATA**  
**STATE AND AREA EMPLOYMENT**

**B-8 Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued**

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P
<b>MICHIGAN—Continued</b>												
1 Bay City	34.8	36.7	(*)	(1)	(1)	(*)	1.7	1.9	(*)	10.3	11.6	(*)
2 Detroit	1,683.2	1,725.3	(*)	1.3	1.2	(*)	68.8	77.6	(*)	557.2	562.4	(*)
3 Flint	188.9	200.9	(*)	(1)	(1)	(*)	7.1	8.3	(*)	79.1	85.4	(*)
4 Grand Rapids	236.6	244.8	(*)	(1)	(1)	(*)	11.4	12.2	(*)	82.2	86.8	(*)
5 Jackson	50.9	51.8	(*)	(1)	(1)	(*)	1.9	1.4	(*)	15.7	16.3	(*)
6 Kalamazoo—Portage	102.7	104.3	(*)	(1)	(1)	(*)	4.5	4.7	(*)	35.0	36.0	(*)
7 Lansing—East Lansing	165.9	180.7	(*)	(1)	(1)	(*)	5.9	6.1	(*)	34.4	42.7	(*)
8 Muskegon-Norton Shores-Musk. Hgts	60.3	61.3	(*)	(1)	(1)	(*)	2.8	3.3	(*)	22.2	22.0	(*)
9 Saginaw	86.6	93.0	(*)	(1)	(1)	(*)	2.9	3.0	(*)	35.6	37.7	(*)
<b>10 MINNESOTA</b>	<b>1,612.8</b>	<b>1,693.9</b>	<b>1,701.3</b>	<b>7.2</b>	<b>18.8</b>	<b>19.1</b>	<b>82.1</b>	<b>90.6</b>	<b>93.2</b>	<b>354.2</b>	<b>366.2</b>	<b>373.5</b>
11 Duluth—Superior	59.2	60.7	60.8	(1)	(1)	(1)	2.8	2.5	2.6	7.7	8.0	8.0
12 Minneapolis-St. Paul	964.1	1,007.3	1,010.7	(1)	(1)	(1)	42.4	48.7	50.5	224.3	234.1	237.2
<b>13 MISSISSIPPI</b>	<b>767.2</b>	<b>795.6</b>	<b>797.8</b>	<b>7.9</b>	<b>8.1</b>	<b>8.3</b>	<b>42.1</b>	<b>44.3</b>	<b>45.5</b>	<b>234.5</b>	<b>231.6</b>	<b>234.9</b>
14 Jackson	127.2	132.2	132.6	1.1	1.1	1.1	6.9	7.8	8.0	18.7	18.6	18.8
<b>15 MISSOURI</b>	<b>1,855.3</b>	<b>1,883.3</b>	<b>1,878.2</b>	<b>8.7</b>	<b>7.1</b>	<b>7.0</b>	<b>86.3</b>	<b>87.5</b>	<b>87.8</b>	<b>440.8</b>	<b>445.6</b>	<b>441.4</b>
16 Kansas City	590.4	601.9	597.1	.6	.6		25.8	27.8	28.6	118.5	122.7	117.6
17 St. Joseph	36.2	36.0	35.7	(3)	(3)	(3)	1.8	2.4	2.3	9.6	9.5	9.4
18 St. Louis	928.2	946.0	939.6	2.7	2.7	2.7	39.9	40.7	40.5	249.9	253.1	248.9
19 Springfield	76.7	77.2	78.0	(3)	(3)	(3)	4.1	4.0	4.0	18.5	17.8	17.9
<b>20 MONTANA</b>	<b>276.9</b>	<b>277.3</b>	<b>277.8</b>	<b>6.1</b>	<b>7.7</b>	<b>7.7</b>	<b>16.5</b>	<b>17.4</b>	<b>17.7</b>	<b>24.8</b>	<b>25.0</b>	<b>25.3</b>
21 Billings	43.7	44.3	43.8	(1)	(1)	(1)	3.1	3.4	3.4	3.6	3.6	3.6
22 Great Falls	30.2	30.3	30.1	(1)	(1)	(1)	2.2	2.1	2.1	1.7	1.7	1.7
<b>23 NEBRASKA</b>	<b>585.9</b>	<b>601.9</b>	<b>601.2</b>	<b>1.7</b>	<b>1.7</b>	<b>1.7</b>	<b>35.3</b>	<b>37.2</b>	<b>37.2</b>	<b>91.2</b>	<b>93.2</b>	<b>93.6</b>
24 Lincoln	93.0	94.5	95.5				4.6	4.9	4.9	14.2	14.0	14.1
25 Omaha	251.7	258.2	257.1	(3)	(3)	(3)	13.4	13.5	13.5	34.9	35.3	35.5
<b>26 NEVADA</b>	<b>317.9</b>	<b>348.9</b>	<b>352.3</b>	<b>4.2</b>	<b>3.5</b>	<b>3.4</b>	<b>21.0</b>	<b>25.3</b>	<b>25.6</b>	<b>15.3</b>	<b>16.7</b>	<b>16.7</b>
27 Las Vegas	172.1	184.5	187.2	.2	.2	.2	10.5	12.7	12.9	5.8	5.9	5.9
28 Reno	92.3	107.6	108.1	.6	.7	.7	7.8	9.3	9.5	6.8	7.6	7.6
<b>29 NEW HAMPSHIRE</b>	<b>352.1</b>	<b>371.2</b>	<b>373.0</b>	<b>.5</b>	<b>.4</b>	<b>.4</b>	<b>21.0</b>	<b>23.5</b>	<b>22.7</b>	<b>102.9</b>	<b>104.6</b>	<b>106.3</b>
30 Manchester	65.8	70.5	71.9	(3)	(3)	(3)	3.5	3.5	3.6	18.7	18.4	19.4
31 Nashua	50.8	53.0	53.8	(3)	(3)	(3)	2.6	2.6	2.7	23.3	23.2	23.8
<b>32 NEW JERSEY</b>	<b>2,902.8</b>	<b>2,989.1</b>	<b>2,998.3</b>	<b>3.0</b>	<b>3.0</b>	<b>2.5</b>	<b>105.6</b>	<b>116.7</b>	<b>118.3</b>	<b>774.6</b>	<b>774.6</b>	<b>787.1</b>
33 Atlantic City	76.8	80.7	80.9	—	—	—	3.9	4.0	3.5	8.5	7.9	7.8
34 Camden <sup>6</sup>	305.4	317.8	317.1	.1	.1	.1	12.3	12.4	12.8	67.2	69.0	70.0
35 Hackensack <sup>7</sup>	368.1	381.6	378.4	(1)	(1)	(1)	14.4	16.3	16.1	109.1	111.6	112.0
36 Jersey City <sup>7</sup>	237.2	235.1	236.7	—	—	—	4.1	4.4	4.4	73.2	71.1	71.5
37 Long Branch—Asbury Park	154.0	157.4	156.5	(1)	(1)	(1)	6.2	7.3	7.1	24.0	23.6	23.8
38 New Bruns.—Perth Amboy—Sayreville <sup>7</sup>	258.9	270.1	272.9	(1)	(1)	(1)	9.5	8.7	9.9	85.0	89.0	90.7
39 Newark <sup>7</sup>	905.3	926.4	926.7	.9	1.1	1.0	32.3	35.3	35.2	245.8	245.1	246.9
40 Paterson—Clifton—Passaic <sup>7</sup>	181.7	190.9	189.1	(1)	(1)	(1)	6.2	5.9	5.5	65.0	66.6	66.5
41 Trenton	155.3	158.5	158.3	(1)	(1)	(1)	3.3	3.2	3.2	37.3	36.7	37.0
42 Vineland—Millville—Bridgeton	56.1	57.6	58.2	(1)	(1)	(1)	1.8	2.0	1.9	20.0	18.8	19.9
<b>43 NEW MEXICO</b>	<b>424.4</b>	<b>451.7</b>	<b>454.2</b>	<b>24.2</b>	<b>24.9</b>	<b>24.9</b>	<b>33.1</b>	<b>35.9</b>	<b>36.3</b>	<b>32.4</b>	<b>33.8</b>	<b>34.3</b>
44 Albuquerque	168.3	179.4	180.6	(1)	(1)	(1)	13.4	15.5	15.6	16.5	17.7	17.9
<b>45 NEW YORK</b>	<b>6,920.8</b>	<b>7,005.4</b>	<b>7,023.9</b>	<b>7.6</b>	<b>7.3</b>	<b>7.4</b>	<b>209.3</b>	<b>216.7</b>	<b>218.6</b>	<b>1,472.1</b>	<b>1,474.5</b>	<b>1,491.1</b>
46 Albany-Schenectady-Troy	327.5	326.0	329.2	(1)	(1)	(1)	11.6	12.0	12.2	64.2	62.9	62.2
47 Binghamton	111.5	112.1	113.9	(1)	(1)	(1)	5.0	4.6	4.8	40.2	40.4	42.0
48 Buffalo	506.4	509.1	508.6	(1)	(1)	(1)	20.4	19.6	20.3	144.7	143.2	142.8
49 Elmira	37.0	37.8	37.7	(1)	(1)	(1)	1.7	1.8	1.9	11.7	11.4	11.4
50 Monroe County <sup>8</sup>	319.6	323.4	324.8	(1)	(1)	(1)	10.6	10.2	10.5	129.2	130.7	131.4
51 Nassau—Suffolk <sup>9</sup>	835.5	870.1	866.7	(1)	(1)	(1)	34.2	36.6	36.3	151.6	154.6	155.6
52 New York—Northeastern New Jersey	6,398.2	6,500.5	(*)	3.5	3.4	(*)	185.4	187.1	(*)	1,356.4	1,358.2	(*)
53 New York and Nassau—Suffolk <sup>7</sup>	4,446.0	4,499.8	4,507.6	1.9	1.9	1.9	118.9	117.4	117.8	778.3	775.4	786.1
54 New York SMSA <sup>9</sup>	3,610.4	3,629.7	3,640.9	1.7	1.7	1.7	84.7	80.8	81.5	626.7	620.8	630.4
55 New York City <sup>10</sup>	3,203.7	3,209.4	3,222.1	1.5	1.5	1.5	68.2	64.9	65.2	544.4	535.5	544.7
56 Poughkeepsie	87.2	91.3	91.0	(1)	(1)	(1)	3.1	3.0	3.0	28.4	31.1	30.7
57 Rochester	394.8	398.9	400.9	(1)	(1)	(1)	13.0	12.9	13.2	150.7	151.3	152.7
58 Rockland Country <sup>10</sup>	76.4	78.7	78.4	(1)	(1)	(1)	2.4	2.6	2.7	15.0	15.4	15.4
59 Syracuse	247.2	252.3	252.6	(1)	(1)	(1)	11.8	10.4	10.5	58.8	59.5	60.5
60 Utica-Rome	113.8	115.8	116.3	(1)	(1)	(1)	3.4	3.5	3.6	30.4	30.9	31.0
61 Westchester County <sup>10</sup>	318.9	329.8	328.7	(1)	(1)	(1)	13.3	12.6	12.8	66.1	68.7	69.1

ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT

**B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued**

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P	
2.1	2.0	(*)	8.5	9.0	(*)	1.1	1.2	(*)	6.0	6.4	(*)	5.1	4.6	(*)	1
81.3	82.4	(*)	334.5	341.8	(*)	82.4	84.6	(*)	311.3	322.3	(*)	246.4	253.5	(*)	2
6.0	6.1	(*)	37.2	40.6	(*)	5.6	5.8	(*)	25.9	28.0	(*)	28.0	26.7	(*)	3
9.6	9.7	(*)	54.4	55.0	(*)	8.6	8.8	(*)	41.9	42.9	(*)	28.5	29.4	(*)	4
4.4	4.5	(*)	9.9	10.4	(*)	1.5	1.6	(*)	9.0	9.5	(*)	8.5	8.0	(*)	5
3.4	3.5	(*)	20.0	20.0	(*)	3.4	3.8	(*)	18.0	18.1	(*)	18.4	18.2	(*)	6
4.4	4.5	(*)	32.4	33.1	(*)	8.4	8.9	(*)	24.1	24.9	(*)	56.3	60.5	(*)	7
3.1	3.1	(*)	11.5	11.9	(*)	1.7	1.8	(*)	8.8	8.9	(*)	10.2	10.3	(*)	8
4.0	3.9	(*)	17.4	18.2	(*)	3.9	3.9	(*)	12.0	13.2	(*)	10.8	13.1	(*)	9
92.7	91.6	92.7	408.9	428.7	429.0	83.8	88.5	88.9	314.6	332.2	332.6	269.2	277.3	272.2	10
6.8	7.2	7.5	16.1	16.8	16.9	2.1	2.1	2.2	11.9	12.4	12.3	11.8	11.6	11.3	11
59.9	58.2	58.2	239.5	250.1	250.3	61.8	65.0	65.1	198.5	209.4	210.1	137.7	141.6	139.4	12
36.3	38.1	37.6	151.6	157.1	157.3	30.5	31.5	31.5	107.0	114.2	114.2	157.2	170.7	168.5	13
8.0	8.2	8.2	30.8	33.4	33.4	10.0	10.3	10.3	24.1	24.4	24.5	27.7	28.4	28.3	14
129.3	132.9	131.6	449.1	456.2	458.7	97.4	98.8	98.7	344.0	349.2	349.7	299.7	306.0	303.3	15
52.1	51.6	50.8	153.2	153.0	153.3	39.1	40.1	39.5	116.8	120.1	121.4	84.3	86.0	85.8	16
2.4	2.5	2.3	8.7	8.4	8.3	1.8	1.9	1.9	6.7	6.3	6.4	5.2	5.0	5.1	17
65.7	67.8	67.7	209.4	209.6	209.8	50.5	51.5	51.4	183.6	189.1	188.2	126.5	131.5	130.4	18
5.7	5.8	5.8	21.5	22.3	22.6	3.0	3.1	3.1	15.3	15.2	15.8	8.6	9.0	8.8	19
20.7	22.0	22.0	69.6	72.6	73.2	11.8	12.1	12.0	51.1	48.5	48.0	74.3	72.0	71.9	20
3.8	3.8	3.8	14.5	14.8	14.8	2.1	2.2	2.2	8.3	8.7	8.6	8.3	7.8	7.4	21
1.8	1.9	1.9	10.1	10.4	10.2	1.9	1.9	1.9	6.7	6.3	6.3	5.8	6.0	6.0	22
42.9	44.6	44.3	153.5	155.8	156.3	38.2	39.3	39.4	101.3	105.0	104.9	121.9	125.1	123.8	23
6.8	6.9	6.8	19.9	20.6	20.7	6.7	6.9	7.0	14.8	14.7	14.9	26.0	26.5	27.1	24
22.2	23.0	23.0	63.8	65.2	65.2	22.0	22.9	22.9	52.8	53.6	53.3	42.6	44.8	43.7	25
18.9	20.2	20.6	63.1	68.0	70.8	13.1	14.1	14.4	133.8	150.0	150.1	48.5	51.1	50.7	26
10.5	11.1	11.3	34.4	37.7	39.7	6.9	7.4	7.5	81.7	86.0	86.3	22.1	23.5	23.4	27
6.0	6.6	6.6	19.8	20.9	21.5	4.9	5.3	5.4	33.4	43.6	43.4	13.0	13.6	13.4	28
12.4	12.7	12.8	77.9	84.2	84.6	16.5	17.9	17.5	70.9	74.6	75.5	50.0	53.1	52.8	29
3.9	4.2	4.2	15.8	18.4	18.6	4.8	5.3	5.4	11.5	12.5	12.6	7.6	8.2	8.1	30
1.5	1.7	1.7	9.8	10.6	10.7	1.7	1.8	1.8	7.5	8.2	8.2	4.4	4.9	4.9	31
178.0	189.1	191.8	647.7	663.7	661.4	146.7	153.0	153.7	535.9	561.1	558.8	511.3	527.9	524.3	32
3.3	3.6	3.6	21.9	22.9	23.1	4.3	4.4	4.5	19.3	22.3	22.6	15.5	15.6	15.4	33
14.4	15.1	14.7	79.3	82.6	82.0	15.1	15.8	15.7	60.9	62.3	62.1	56.1	60.5	59.7	34
18.0	17.9	18.0	107.1	111.0	110.0	14.3	14.6	14.6	64.7	68.4	67.8	40.6	41.8	39.9	35
28.3	28.7	29.5	43.2	44.8	45.0	8.8	9.0	8.9	29.4	28.0	28.3	50.1	49.1	49.1	36
5.7	6.1	6.1	39.3	41.2	40.8	6.9	7.1	7.1	38.6	38.8	38.0	33.2	33.3	33.6	37
17.2	18.3	18.3	57.1	60.0	60.5	8.6	8.6	8.6	35.8	37.9	37.1	45.8	47.6	47.8	38
67.9	68.8	69.5	169.0	172.5	170.7	61.6	64.0	64.4	173.9	183.0	182.5	153.6	156.6	156.5	39
6.8	6.7	6.8	40.0	41.8	41.2	9.3	9.8	9.8	27.4	29.4	29.2	26.9	30.7	29.7	40
5.2	5.3	5.3	22.9	23.7	23.6	6.4	6.8	6.8	37.0	36.7	36.2	43.2	46.1	46.2	41
3.0	2.8	2.9	8.7	9.2	9.1	3.1	3.2	3.2	8.2	8.5	8.5	11.3	13.1	12.7	42
24.4	26.0	26.3	98.1	105.1	106.0	18.7	19.9	19.9	85.1	92.1	92.2	108.4	114.0	114.3	43
9.2	10.0	10.1	43.3	46.3	46.7	9.5	10.0	10.0	37.9	40.0	40.0	38.5	39.9	40.3	44
422.3	420.6	420.3	1,425.3	1,441.6	1,437.3	584.2	588.5	587.4	1,505.2	1,525.7	1,524.0	1,294.8	1,330.5	1,337.8	45
15.3	14.7	14.7	64.5	65.4	66.3	14.6	14.9	14.5	63.7	63.6	63.8	93.5	92.6	95.1	46
4.8	4.6	4.7	20.9	21.8	21.9	3.7	3.7	3.7	15.7	16.5	16.4	21.3	20.4	20.4	47
27.2	27.1	27.2	111.7	112.6	112.5	21.5	22.4	22.2	91.0	92.0	92.4	89.5	92.1	91.2	48
1.4	1.4	1.4	8.2	8.5	8.6	1.0	1.0	1.0	6.3	6.2	6.1	6.7	7.5	7.3	49
10.1	9.9	10.0	59.7	60.8	60.8	14.6	14.8	14.5	59.9	60.2	60.4	35.4	36.8	36.8	50
33.7	33.4	33.3	221.4	227.9	227.1	46.0	46.9	46.7	180.4	185.8	185.3	168.3	184.8	182.4	51
450.3	450.3	(*)	1,340.8	1,366.4	(*)	586.7	591.5	(*)	1,376.2	1,411.1	(*)	1,098.8	1,132.5	(*)	52
312.1	308.6	308.3	924.4	936.8	930.7	483.0	485.3	484.0	1,045.9	1,065.9	1,063.2	781.5	808.5	815.7	53
278.4	275.2	275.0	703.0	708.9	703.7	437.1	438.3	437.3	865.7	880.3	878.1	613.2	623.7	633.2	54
257.2	253.4	253.4	610.5	611.9	607.4	417.6	418.4	417.5	767.2	780.1	778.5	537.1	543.7	554.0	55
2.9	2.8	2.8	14.9	15.0	15.2	2.5	2.5	2.5	15.3	15.0	15.1	20.1	21.8	21.7	56
13.1	12.8	12.9	76.4	77.9	77.9	16.1	16.5	16.6	71.0	71.3	71.6	54.5	56.2	55.9	57
3.5	3.6	3.5	16.0	16.3	16.2	2.3	2.3	2.3	16.9	17.3	17.3	20.3	21.2	21.0	58
14.3	14.2	14.3	55.6	57.1	57.0	15.0	15.2	15.1	45.6	46.5	46.6	46.2	49.4	48.6	59
3.9	3.9	3.9	21.4	21.9	21.8	5.5	5.6	5.6	19.6	20.2	20.2	29.6	29.9	30.3	60
17.1	17.6	17.4	73.5	77.5	76.9	16.8	17.2	17.1	79.0	80.6	80.6	53.1	55.7	55.3	61

**ESTABLISHMENT DATA**  
**STATE AND AREA EMPLOYMENT**

**B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued**

(In thousands)

State and area	Total			Mining			Construction			Manufacturing			
	AUG. 1977	JULY 1978	AUG. 1978F	AUG. 1977	JULY 1978	AUG. 1978F	AUG. 1977	JULY 1978	AUG. 1978F	AUG. 1977	JULY 1978	AUG. 1978F	
1 NORTH CAROLINA .....	2,122.3	2,168.7	2,183.2	4.9	5.1	5.1	106.6	113.9	114.2	789.3	789.3	797.3	
2 Asheville .....	67.0	68.9	69.2	(1)	(1)	(1)	3.3	3.5	3.4	21.3	21.3	21.9	
3 Charlotte—Gastonia .....	290.2	296.4	297.2	(1)	(1)	(1)	14.9	15.0	15.2	85.0	85.0	85.4	
4 Greensboro—Winston-Salem—High Pt .....	350.9	357.3	358.5	(1)	(1)	(1)	16.0	16.0	16.0	143.4	144.2	144.3	
5 Raleigh—Durham .....	225.0	234.6	235.1	(1)	(1)	(1)	11.4	12.4	12.4	37.0	37.8	37.8	
6 NORTH DAKOTA .....	223.8	231.5	231.4	3.4	3.8	3.9	20.2	20.7	21.0	15.0	15.5	15.5	
7 Fargo—Moorhead .....	57.3	60.3	59.8	(3)	(3)	(3)	4.9	5.3	5.3	5.1	4.9	4.8	
8 OHIO .....	4,246.4	4,344.4	4,341.2	30.3	31.3	30.9	180.4	191.7	192.8	1,348.4	1,360.7	1,361.9	
9 Akron .....	259.6	262.3	261.6	.4	.4	.4	8.6	9.0	9.2	85.4	83.0	82.9	
10 Canton .....	150.1	153.6	153.5	.9	1.0	1.0	6.3	7.1	6.9	56.1	56.1	56.2	
11 Cincinnati .....	563.9	583.6	585.2	.5	.5	.5	26.3	28.1	28.2	159.1	167.5	168.8	
12 Cleveland .....	889.0	907.7	909.2	1.5	1.6	1.6	32.0	34.0	34.2	270.6	274.2	276.9	
13 Columbus .....	473.4	483.7	482.9	.8	.9	.9	21.1	22.2	22.7	99.7	100.9	98.9	
14 Dayton .....	340.6	350.3	350.1	.4	.4	.4	14.4	15.6	15.8	108.3	109.1	108.0	
15 Toledo .....	292.5	302.6	301.3	.6	.7	.7	12.5	13.0	13.2	89.3	91.4	90.4	
16 Youngstown—Warren .....	207.4	211.3	210.8	.3	.3	.3	8.7	9.0	9.1	79.1	78.8	79.3	
17 OKLAHOMA .....	983.5	1,028.1	1,035.3	50.4	54.5	55.3	53.2	59.2	60.1	164.8	170.3	171.3	
18 Oklahoma City .....	335.3	365.7	367.4	11.8	13.6	13.8	16.7	24.4	24.8	43.6	47.6	47.9	
19 Tulsa .....	258.6	266.0	268.1	15.9	16.8	16.9	14.3	15.8	16.0	54.2	55.6	55.7	
20 OREGON .....	942.0	983.8	992.4	1.9	2.0	2.1	45.1	52.0	53.4	217.3	223.4	229.7	
21 Eugene—Springfield .....	95.4	98.6	97.9	(1)	(1)	(1)	5.4	5.7	5.6	21.1	20.9	21.6	
22 Jackson County .....	-	-	-	-	-	-	-	-	-	8.3	7.8	8.1	
23 Portland .....	486.6	518.6	520.9	(1)	(1)	(1)	23.3	28.3	28.4	102.1	110.8	108.9	
24 Salem .....	87.2	83.0	90.0	(1)	(1)	(1)	5.0	5.5	5.6	20.0	14.1	20.2	
25 PENNSYLVANIA .....	4,551.7	4,647.8	4,657.0	48.6	48.1	47.9	202.0	207.4	209.8	1,354.6	1,362.4	1,370.1	
26 Allentown—Bethlehem—Easton .....	264.3	262.3	265.2	(1)	(1)	(1)	10.6	9.8	10.1	108.7	106.7	108.5	
27 Altoona .....	52.8	53.5	53.5	(1)	(1)	(1)	2.6	2.7	2.6	13.4	12.8	13.1	
28 Delaware Valley <sup>11</sup> .....	1,509.4	1,545.4	1,543.9	(1)	(1)	(1)	57.4	57.4	57.7	383.3	382.6	380.8	
29 Erie .....	109.8	113.9	113.4	(1)	(1)	(1)	4.0	4.3	4.2	43.5	43.8	44.4	
30 Harrisburg .....	208.1	210.9	212.6	(1)	(1)	(1)	9.5	10.1	10.6	40.5	40.4	41.7	
31 Johnstown .....	82.0	87.1	87.7	8.4	9.2	9.2	3.4	2.8	2.8	18.0	19.0	19.3	
32 Lancaster .....	139.9	144.5	145.7	(1)	(1)	(1)	7.6	8.1	8.1	57.2	59.4	60.0	
33 Northeast Pennsylvania .....	234.9	232.4	233.9	1.5	1.4	1.4	13.2	10.5	10.3	69.4	68.3	70.6	
34 Philadelphia SMSA .....	1,810.7	1,863.2	1,861.0	(1)	(1)	(1)	66.8	69.9	70.5	449.6	451.5	450.7	
35 Philadelphia City <sup>12</sup> .....	781.9	804.1	807.2	(1)	(1)	(1)	17.4	17.9	18.2	155.0	155.6	154.8	
36 Pittsburgh .....	907.9	936.8	932.8	12.0	11.7	11.6	48.5	52.3	52.6	250.7	253.0	250.8	
37 Reading .....	131.7	134.5	134.9	(1)	(1)	(1)	5.5	5.6	5.6	51.4	52.1	52.4	
38 Scranton <sup>13</sup> .....	84.6	82.4	83.9	(1)	(1)	(1)	3.0	2.1	2.1	26.2	25.8	27.1	
39 Wilkes-Barre—Hazleton <sup>14</sup> .....	123.8	122.9	122.0	1.3	1.2	1.2	8.8	7.3	7.0	39.3	38.2	38.6	
40 Williamsport .....	46.0	48.0	48.8	(1)	(1)	(1)	1.8	2.1	2.2	18.1	18.3	18.3	
41 York .....	141.2	146.8	146.9	(1)	(1)	(1)	6.7	6.7	6.9	59.3	62.3	62.4	
42 RHODE ISLAND .....	383.5	398.2	401.2	(1)	(1)	(1)	13.8	14.5	14.5	128.7	134.2	137.1	
43 Providence—Warwick—Pawtucket .....	393.2	410.7	413.3	(1)	(1)	(1)	14.0	14.7	14.8	145.2	150.9	153.8	
44 SOUTH CAROLINA .....	1,082.7	1,114.2	1,111.6	1.9	1.9	1.9	65.8	74.3	74.0	383.7	381.6	385.0	
45 Charleston—North Charleston .....	131.2	133.6	132.4	(1)	(1)	(1)	10.7	10.2	10.1	18.5	18.7	18.3	
46 Columbia .....	157.5	165.5	165.4	(1)	(1)	(1)	8.3	8.5	8.5	24.5	25.2	25.3	
47 Greenville—Spartanburg .....	242.5	246.5	250.9	(1)	(1)	(1)	15.7	17.7	17.8	102.4	99.5	102.9	
48 SOUTH DAKOTA .....	231.2	237.2	237.6	2.7	2.8	2.7	14.3	15.7	14.8	24.0	24.5	24.6	
49 Rapid City .....	27.5	27.9	27.6	(3)	(3)	(3)	2.7	2.9	2.7	2.6	2.7	2.7	
50 Sioux Falls .....	50.0	52.2	51.4	(3)	(3)	(3)	3.1	3.9	3.8	7.3	7.6	7.4	
51 TENNESSEE .....	1,632.2	1,674.0	1,688.4	9.3	8.9	9.0	81.2	85.5	90.7	509.7	515.0	528.0	
52 Chattanooga .....	162.0	163.8	163.3	1.1	1.2	1.2	5.7	6.2	6.1	56.0	54.6	55.2	
53 Knoxville .....	184.9	183.3	187.8	1.6	1.7	1.7	11.9	11.5	11.6	51.8	47.4	52.9	
54 Memphis .....	336.5	343.1	343.0	.2	.2	.2	.2	14.4	13.9	13.4	60.6	63.2	64.1
55 Nashville—Davidson .....	324.5	338.2	337.9	(1)	(1)	(1)	17.9	20.4	20.7	79.0	82.3	82.8	
56 TEXAS .....	4,870.7	5,111.5	5,110.1	159.2	174.3	173.3	351.8	368.1	368.4	901.7	950.1	950.2	
57 Amarillo .....	68.7	72.1	72.0	(1)	(1)	(1)	4.8	5.6	5.6	8.2	9.0	9.1	
58 Austin .....	198.5	212.1	210.3	(1)	(1)	(1)	11.5	13.4	13.4	23.0	25.7	25.9	
59 Beaumont—Port Arthur—Orange .....	143.0	142.5	142.3	(1)	(1)	(1)	16.7	14.0	14.3	41.2	41.6	41.9	
60 Corpus Christi .....	102.6	106.7	106.6	4.0	4.3	4.2	9.3	11.1	11.2	12.6	13.3	13.1	
61 Dallas—Fort Worth .....	1,184.7	1,242.3	1,241.8	14.2	15.9	16.0	58.6	61.4	62.0	265.1	282.8	282.1	
62 El Paso .....	139.6	142.7	143.4	(1)	(1)	(1)	8.3	8.7	8.8	28.2	28.3	28.6	
63 Galveston—Texas City .....	70.8	73.9	73.7	(1)	(1)	(1)	4.9	5.7	5.7	11.9	12.0	11.8	

See footnotes at end of table.

ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT

**B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued**

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P	AUG., 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P	
104.9	108.4	109.5	414.2	425.3	430.0	84.5	85.4	85.6	301.9	321.3	319.7	316.0	320.0	321.8	1
3.4	3.4	3.4	13.1	13.7	13.7	2.4	2.4	2.4	12.2	12.8	12.7	11.3	11.8	11.7	2
26.9	27.6	27.7	69.6	70.7	71.1	18.6	18.8	18.8	44.7	47.2	46.9	30.5	32.1	32.1	3
20.0	20.8	20.9	70.1	71.7	72.0	16.3	16.5	16.7	50.0	52.3	52.4	35.1	35.8	36.2	4
10.8	11.6	11.6	45.6	46.9	47.2	13.9	14.0	14.0	48.0	50.4	50.8	58.3	61.5	61.3	5
13.9	14.9	14.8	64.4	65.8	66.3	10.0	10.6	10.6	42.9	44.3	44.6	54.0	55.9	54.7	6
3.7	3.8	3.8	18.7	19.6	19.8	3.4	3.6	3.6	11.6	12.1	9.9	11.0	10.9	10.4	7
220.3	224.4	222.9	928.1	956.3	958.0	188.0	194.3	193.5	742.3	770.3	771.3	608.7	615.4	609.6	8
14.1	14.6	13.9	58.1	60.9	60.8	9.2	9.4	9.4	47.4	48.7	48.8	36.4	36.4	36.4	9
7.1	7.1	7.1	32.5	33.7	33.8	5.6	5.9	5.9	25.0	25.9	25.8	16.6	16.5	16.8	10
32.1	33.8	33.9	131.3	134.0	134.3	30.0	30.3	30.2	108.3	113.0	113.2	76.3	76.4	76.1	11
45.9	47.9	47.9	202.8	207.8	208.0	45.8	46.5	46.4	167.2	175.0	174.9	123.2	120.6	119.4	12
23.3	24.2	24.2	111.9	114.5	115.5	32.3	33.6	33.7	90.7	93.8	93.7	93.5	93.7	93.4	13
12.3	13.2	13.3	72.1	73.8	74.2	12.0	12.6	12.6	61.6	64.3	65.1	59.5	61.4	60.6	14
20.0	20.7	20.7	67.2	69.1	69.4	10.0	10.7	10.6	54.3	57.3	57.4	38.5	39.8	38.9	15
9.7	10.5	10.0	44.8	46.4	46.3	6.9	7.0	7.0	34.8	36.1	36.0	23.1	23.2	22.8	16
60.3	61.7	61.7	234.5	242.8	244.9	50.1	52.2	52.1	161.5	174.0	175.6	208.7	213.4	214.3	17
20.5	21.2	21.1	83.3	87.6	88.3	21.7	23.2	23.3	57.1	62.8	62.7	78.6	85.3	85.5	18
19.6	20.0	20.0	63.5	64.1	64.7	13.5	13.8	13.7	50.3	53.1	53.4	27.3	26.8	27.7	19
54.4	57.4	57.1	227.5	233.2	238.9	59.0	62.7	62.1	163.9	173.1	172.7	172.9	180.0	176.4	20
4.8	5.2	5.2	23.8	24.4	24.2	4.8	4.9	4.5	16.6	17.6	17.6	18.9	19.9	18.6	21
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22
32.6	34.4	34.2	124.9	129.3	134.2	38.0	40.4	40.2	95.3	101.3	101.8	70.4	74.1	73.2	23
2.9	3.1	3.2	16.9	17.4	17.4	4.9	5.1	5.2	12.4	12.3	12.4	25.1	25.5	26.0	24
258.7	254.7	255.4	919.5	930.5	932.3	220.6	228.6	227.4	864.9	889.0	884.3	682.8	727.1	729.8	25
12.6	13.3	13.4	46.1	46.1	46.8	8.0	8.1	8.1	39.1	40.4	40.3	39.2	37.9	38.0	26
8.2	8.3	8.2	11.5	11.6	11.6	1.4	1.4	1.4	8.1	8.3	8.2	7.6	8.4	8.4	27
81.6	80.9	82.1	315.1	317.5	316.7	100.0	101.4	100.1	344.3	357.6	356.2	227.7	248.0	250.3	28
5.2	5.2	5.2	21.5	22.0	22.0	4.5	4.6	4.7	19.7	20.0	19.7	11.4	14.0	13.2	29
15.0	15.2	15.1	40.6	41.1	41.2	11.7	12.0	12.0	37.1	37.1	37.1	53.7	55.0	54.9	30
5.3	5.4	5.4	15.5	16.1	16.3	3.5	3.3	3.5	14.0	15.4	15.3	13.9	15.3	15.5	31
6.2	6.5	6.6	30.7	30.3	30.5	4.4	4.5	4.6	21.6	22.2	22.1	12.2	13.5	13.8	32
12.6	12.8	12.8	48.6	48.2	48.1	8.9	9.2	9.2	41.1	40.8	41.2	39.6	41.2	40.3	33
96.5	96.0	96.8	394.5	400.1	398.8	114.6	117.2	115.8	402.8	419.9	418.3	283.9	308.6	310.1	34
55.9	54.6	55.2	150.8	153.4	152.5	66.0	67.3	67.2	192.1	200.6	199.5	144.7	154.7	159.8	35
57.2	56.1	56.1	197.4	205.1	204.8	42.3	43.2	43.1	185.4	186.3	186.1	114.4	129.1	127.7	36
6.1	5.9	5.9	24.6	25.1	24.9	5.3	5.7	5.8	22.2	22.0	22.2	16.6	18.1	18.1	37
4.5	4.4	4.4	18.7	17.7	17.8	3.3	3.4	3.4	16.0	16.1	16.3	12.5	12.9	12.8	38
6.3	6.5	6.6	25.2	25.6	25.4	4.9	4.9	4.9	17.4	17.2	17.1	20.6	22.0	21.2	39
2.3	2.4	2.4	8.6	9.5	10.1	1.8	2.0	2.0	7.5	7.5	7.6	5.7	6.2	6.2	40
6.5	6.7	6.6	30.0	31.2	31.0	3.5	3.9	3.9	19.0	19.3	19.3	16.2	16.7	16.8	41
13.5	13.4	13.5	77.6	80.4	81.2	19.5	20.1	20.1	72.9	75.2	75.0	57.5	60.4	59.8	42
13.3	13.3	13.4	77.3	81.2	81.6	19.3	20.4	20.4	69.9	72.9	72.5	54.2	57.3	56.8	43
46.7	49.2	48.9	204.3	209.9	210.9	42.0	44.6	44.6	136.5	144.1	141.3	197.8	206.6	205.0	44
8.3	8.8	8.5	28.4	28.3	28.5	5.6	6.0	6.0	19.9	20.5	20.0	39.8	41.1	41.0	45
8.5	8.9	8.9	34.2	35.4	35.6	12.2	13.1	13.2	23.3	24.7	24.7	46.5	49.7	49.2	46
9.6	9.8	9.8	45.9	46.7	47.4	8.7	9.0	9.1	30.4	32.7	32.7	29.8	31.1	31.2	47
12.4	12.1	12.4	63.6	64.6	64.5	10.4	10.7	10.4	49.8	51.8	51.9	54.0	55.0	56.3	48
1.8	1.8	1.8	8.2	7.9	7.9	1.3	1.3	1.3	6.3	6.4	6.3	4.6	4.9	4.9	49
4.0	4.0	3.9	16.2	16.1	15.8	2.8	2.9	2.9	10.9	11.1	11.1	5.7	6.6	6.5	50
77.9	81.5	81.4	352.5	363.1	362.6	71.1	72.7	72.3	253.1	255.3	256.1	277.4	288.0	288.3	51
6.4	6.4	6.3	29.8	30.3	30.1	8.5	8.6	8.6	25.8	25.7	25.9	28.7	30.8	29.9	52
7.5	7.6	7.6	37.7	38.4	37.8	7.0	7.0	7.0	27.7	27.7	27.7	39.7	42.0	41.5	53
23.7	24.9	25.0	90.0	90.3	91.2	19.0	19.1	19.1	66.7	67.7	67.7	61.9	63.8	62.3	54
17.7	18.7	18.6	74.3	76.5	75.4	19.7	19.8	19.8	59.4	60.7	60.7	56.5	59.8	59.9	55
314.1	329.5	329.9	1,205.1	1,248.5	1,251.2	277.8	291.3	291.7	847.6	882.5	883.1	813.4	867.2	862.5	56
6.8	7.0	7.0	20.9	21.4	21.5	3.5	3.6	3.6	13.6	13.5	13.5	11.1	12.0	11.7	57
6.3	6.5	6.8	41.6	43.5	43.7	11.7	12.7	12.8	33.1	34.8	34.7	71.3	75.2	73.0	58
10.8	11.3	11.2	29.5	29.8	29.6	5.0	5.4	5.4	22.2	22.0	22.0	17.6	18.1	17.9	59
6.3	6.3	6.4	25.7	25.9	26.0	5.3	5.6	5.6	17.3	17.6	17.7	22.1	22.6	22.4	60
79.2	84.0	84.3	320.0	331.3	332.0	90.7	95.3	95.6	208.0	218.7	218.8	148.9	152.9	151.0	61
9.8	9.4	9.4	35.8	36.1	36.3	6.9	7.1	7.1	24.2	24.9	24.9	26.4	28.2	28.3	62
7.5	7.3	7.4	12.8	13.7	13.8	4.7	5.0	5.0	10.8	11.4	11.3	18.2	18.8	18.7	63

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued**

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P
TEXAS—Continued												
1 Houston	1,176.4	1,244.8	1,247.2	51.1	53.5	53.1	130.8	142.2	142.7	193.8	204.5	204.7
2 Lubbock	81.8	83.2	84.1	(1)	(1)	(1)	5.4	5.5	5.7	13.3	13.4	13.6
3 San Antonio	340.4	356.0	355.1	1.7	1.8	1.8	22.0	25.2	25.1	42.3	45.6	45.7
4 Waco	64.1	65.9	66.1	(1)	(1)	(1)	3.4	4.0	4.1	15.9	16.3	16.1
5 Wichita Falls	47.6	48.9	48.6	2.5	2.6	2.6	2.5	2.6	2.6	8.4	9.1	9.1
6 UTAH	485.4	518.1	522.4	15.1	16.7	16.7	32.4	37.8	38.6	76.2	79.8	80.6
7 Salt Lake City—Ogden	353.7	371.3	374.0	7.1	7.3	7.2	24.9	26.0	26.5	51.1	53.2	53.9
8 VERMONT	179.8	185.0	186.5	.7	.7	.7	9.9	9.9	9.9	44.4	47.3	48.3
9 Burlington <sup>15</sup>	46.4	45.5	49.8	—	—	—	—	—	—	10.9	12.6	12.7
10 Springfield <sup>15</sup>	13.4	14.9	14.1	—	—	—	—	—	—	5.6	5.9	6.0
11 VIRGINIA	1,934.7	2,013.2	2,014.3	23.1	22.8	19.5	123.3	130.2	130.2	404.8	407.0	409.9
12 Bristol	24.0	25.4	25.6	(1)	(1)	(1)	1.1	1.3	1.2	8.4	8.4	8.6
13 Lynchburg	63.1	65.6	65.4	(1)	(1)	(1)	3.1	3.8	3.8	28.2	28.3	28.2
14 Newport News—Hampton	136.6	143.1	143.1	(1)	(1)	(1)	6.0	7.0	7.1	35.2	34.0	33.8
15 Norfolk—Virginia Beach—Portsmouth	265.7	267.7	268.4	(1)	(1)	(1)	17.6	18.4	18.7	28.4	28.7	29.0
16 Northern Virginia <sup>16</sup>	380.2	399.7	399.5	.4	.4	.4	26.3	26.9	28.4	14.4	15.1	15.2
17 Petersburg—Colonial Heights—Hopewell	44.5	44.3	44.4	(1)	(1)	(1)	2.3	2.2	2.2	12.3	12.1	12.3
18 Richmond	300.6	310.3	310.4	.3	.4	.4	18.5	19.1	19.1	52.2	53.5	53.7
19 Roanoke	99.1	100.1	99.8	.2	.2	.2	5.9	6.0	6.1	21.3	21.4	21.5
20 WASHINGTON	1,358.5	1,453.9	(*)	2.2	2.4	(*)	80.0	91.0	(*)	273.3	296.4	(*)
21 Seattle—Everett	636.8	690.9	(*)	(1)	(1)	(*)	34.5	40.9	(*)	133.1	148.4	(*)
22 Spokane	111.2	120.2	(*)	(1)	(1)	(*)	6.3	8.4	(*)	16.0	16.7	(*)
23 Tacoma	122.2	128.8	(*)	(1)	(1)	(*)	7.2	7.4	(*)	20.9	21.1	(*)
24 WEST VIRGINIA	594.3	629.1	613.6	53.1	75.2	67.3	40.1	39.0	39.5	126.2	123.5	125.1
25 Charleston	107.6	109.1	108.1	5.7	6.6	6.7	6.2	7.4	7.5	19.8	19.4	19.4
26 Huntington—Ashland	99.6	100.8	99.8	1.0	1.0	.6	6.6	6.2	6.2	28.4	28.5	28.6
27 Parkersburg—Marietta	53.5	58.4	54.1	.5	.5	.5	3.1	3.0	3.1	17.2	16.8	17.0
28 Wheeling	65.2	65.0	65.5	7.3	7.2	7.1	5.5	3.6	3.7	13.9	14.0	14.0
29 WISCONSIN	1,810.6	1,887.8	1,896.6	2.7	2.7	2.7	83.7	97.7	99.3	549.3	559.3	564.6
30 Appleton—Oshkosh	113.6	116.1	116.6	(1)	(1)	(1)	5.7	5.4	5.4	44.9	47.0	47.7
31 Eau Claire	40.5	41.1	41.4	(1)	(1)	(1)	1.7	1.7	1.7	8.9	8.7	8.9
32 Green Bay	71.4	72.0	72.7	(1)	(1)	(1)	3.9	3.9	3.9	21.8	21.3	21.8
33 Kenosha	39.2	40.4	42.2	(1)	(1)	(1)	1.3	1.4	1.3	15.4	16.2	18.0
34 La Crosse	38.9	39.7	39.8	(1)	(1)	(1)	2.1	1.9	1.9	10.1	10.4	10.4
35 Madison	146.6	153.0	152.7	(1)	(1)	(1)	7.7	8.2	8.2	19.0	18.9	19.1
36 Milwaukee	607.6	633.8	636.7	(1)	(1)	(1)	23.5	25.5	25.9	200.0	206.1	207.4
37 Racine	66.9	68.5	68.1	(1)	(1)	(1)	2.6	3.0	3.0	28.6	29.2	28.8
38 WYOMING	176.9	186.6	188.8	26.4	29.3	29.7	19.2	20.2	20.7	9.3	9.4	9.5
39 Casper	31.2	34.7	34.6	6.1	7.2	7.2	3.2	3.7	3.7	1.8	1.8	1.8
40 Cheyenne	24.4	25.9	26.5	(1)	(1)	(1)	1.8	2.0	2.5	1.6	1.5	1.5

<sup>1</sup> Combined with services.

<sup>2</sup> Based on the 1967 Standard Industrial Classification Manual.

<sup>3</sup> Combined with construction.

<sup>4</sup> Area included in Chicago—Gary Standard Consolidated Statistical Area.

<sup>5</sup> Revised to 1977 benchmark; not strictly comparable with previously published data.

<sup>6</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area:

Burlington, Camden, and Gloucester Counties, New Jersey.

<sup>7</sup> Subarea of New York—Northeastern New Jersey.

<sup>8</sup> Subarea of Rochester Standard Metropolitan Statistical Area.

<sup>9</sup> Area included in New York and Nassau—Suffolk combined SMSA's.

<sup>10</sup> Subarea of New York Standard Metropolitan Statistical Area.

<sup>11</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

<sup>12</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.

<sup>13</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

<sup>14</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

<sup>15</sup> Total includes data for industry divisions not shown separately.

<sup>16</sup> Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.

p=preliminary.

\* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT

**B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued**

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
AUG. 1977	JULY 1978	AUG. 1978F	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978F	AUG. 1977	JULY 1978	AUG. 1977	JULY 1978	AUG. 1978F		
86.7	92.1	92.2	288.7	304.7	305.6	69.8	76.2	76.5	228.0	239.8	240.5	127.5	131.8	131.9	1
4.7	4.8	4.8	25.6	26.1	26.3	3.9	4.2	4.1	13.7	13.6	13.9	15.2	15.4	15.7	2
15.1	16.0	16.1	87.0	87.8	87.6	23.3	24.7	24.6	64.1	66.2	66.3	84.9	86.7	87.7	3
3.1	3.2	3.2	14.9	15.0	15.2	3.6	3.8	3.9	12.3	12.3	12.5	10.9	11.3	11.1	4
2.5	2.5	2.5	12.3	12.4	12.4	2.2	2.3	2.3	7.3	7.5	7.4	9.9	9.9	9.7	5
29.6	31.7	32.3	119.4	126.1	127.5	22.3	24.3	24.8	80.6	88.6	89.1	109.8	113.1	112.8	6
24.1	25.1	25.5	89.4	93.6	94.5	18.9	20.0	20.4	57.5	62.2	62.5	80.7	83.9	83.4	7
8.4	8.7	8.7	38.0	39.4	39.6	7.2	7.5	7.5	41.2	41.6	42.0	30.1	30.0	29.9	8
2.2	2.2	2.2	9.8	10.3	10.4	-	-	-	10.0	10.6	10.6	-	-	-	9
.7	.7	.8	2.2	2.3	2.3	-	-	-	2.5	2.6	2.7	-	-	-	10
108.2	104.9	104.9	403.0	416.2	419.0	92.4	94.9	94.8	333.2	349.3	350.7	446.7	487.9	485.3	11
.9	.8	.8	6.0	6.0	6.0	.6	.5	.5	2.9	3.0	3.1	3.9	5.0	5.0	12
2.6	2.4	2.3	10.4	10.7	10.6	2.8	2.9	2.9	8.3	8.6	8.7	7.8	8.9	8.9	13
4.4	4.9	5.0	24.4	25.7	25.9	4.4	4.6	4.7	25.2	27.9	27.8	37.0	39.0	38.6	14
18.6	16.8	16.7	64.1	65.6	65.8	12.9	13.3	13.5	46.7	47.4	47.4	77.4	77.5	77.3	15
27.2	28.2	28.1	89.3	94.5	95.3	24.6	25.8	25.4	89.1	94.4	94.8	106.9	112.4	111.9	16
1.3	1.3	1.3	8.3	8.2	8.3	1.1	1.2	1.2	5.1	5.2	5.3	14.1	14.1	13.8	17
18.2	18.5	18.4	68.3	70.0	69.7	23.4	23.3	23.5	52.4	52.8	53.0	67.3	72.7	72.6	18
10.1	7.1	6.9	23.6	24.4	24.4	5.4	5.8	5.8	17.8	18.0	17.6	14.8	17.2	17.1	19
79.8	82.8	(*)	335.4	358.9	(*)	76.8	83.4	(*)	252.5	271.5	(*)	258.5	267.5	(*)	20
45.2	46.3	(*)	158.0	169.5	(*)	45.1	48.6	(*)	120.0	131.0	(*)	100.9	106.2	(*)	21
7.7	7.9	(*)	32.0	33.2	(*)	7.3	8.0	(*)	24.7	25.8	(*)	17.2	20.2	(*)	22
6.1	6.4	(*)	29.4	31.6	(*)	6.2	6.5	(*)	25.3	27.2	(*)	27.1	28.6	(*)	23
40.1	39.5	39.1	122.9	123.8	123.6	19.8	20.3	20.2	87.3	87.7	88.1	104.9	120.3	110.7	24
8.8	9.2	9.2	24.2	24.1	24.2	4.6	4.7	4.7	18.1	18.2	18.1	18.2	19.4	18.3	25
9.2	9.2	9.1	20.5	20.8	20.7	3.6	3.6	3.6	14.1	13.9	13.9	16.3	17.7	17.0	26
2.4	2.4	2.5	11.3	11.7	11.6	1.9	1.9	1.9	7.7	8.2	8.1	9.4	9.5	9.6	27
3.7	3.7	3.7	14.2	14.4	14.7	2.4	2.4	2.4	12.5	12.1	12.6	7.4	7.5	7.3	28
83.1	85.6	85.9	413.6	433.1	436.2	80.9	85.3	85.4	330.0	343.5	346.0	267.2	280.7	276.4	29
4.0	3.9	3.9	22.4	23.0	23.2	4.3	4.5	4.5	17.9	18.4	18.3	14.4	13.6	13.6	30
2.3	2.3	2.4	10.3	10.7	10.8	1.4	1.4	1.4	8.2	8.2	8.3	7.7	8.0	7.9	31
4.5	4.3	4.3	17.0	17.2	17.3	2.3	2.7	2.7	12.6	12.8	13.0	9.3	9.7	9.7	32
1.3	1.5	1.5	7.8	8.0	8.1	.8	.9	.9	7.0	7.0	7.2	5.5	5.5	5.3	33
2.1	2.2	2.2	10.1	10.3	10.6	.9	.9	.9	8.3	8.6	8.6	5.4	5.4	5.2	34
5.2	5.2	5.2	32.2	34.1	34.2	10.3	11.4	11.4	25.0	25.3	25.3	47.3	50.0	49.3	35
30.6	31.6	31.8	134.5	138.2	139.0	32.5	33.6	33.5	120.8	125.8	126.9	65.6	72.9	72.3	36
2.4	2.5	2.5	12.0	12.5	12.4	2.0	2.3	2.3	10.5	10.5	10.6	8.7	8.6	8.6	37
13.6	14.1	14.2	40.4	42.9	43.6	5.7	6.1	6.2	27.2	28.2	28.5	35.1	36.4	36.4	38
2.2	2.3	2.3	7.9	9.2	9.2	1.3	1.3	1.3	4.5	4.8	4.7	4.2	4.4	4.4	39
3.4	3.6	3.7	5.9	6.5	6.5	1.4	1.4	1.4	4.0	4.7	4.7	6.3	6.2	6.2	40

ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS

**C-1. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry division, 1955 to date**

Year and month	Average												
	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	
	Total private <sup>2</sup>			Mining			Construction			Manufacturing			
1955 .....	\$67.72	39.6	\$1.71	\$89.54	40.7	\$2.20	\$90.90	37.1	\$2.45	\$75.70	40.7	\$1.86	\$1.79
1956 .....	70.74	39.3	1.80	95.06	40.8	2.33	96.38	37.5	2.57	78.78	40.4	1.95	1.89
1957 .....	73.33	38.8	1.89	98.65	40.1	2.46	100.27	37.0	2.71	81.59	39.8	2.05	1.98
1958 .....	75.08	38.5	1.95	96.08	38.9	2.47	103.78	36.8	2.82	82.71	39.2	2.11	2.05
1959 <sup>2</sup> .....	78.78	39.0	2.02	103.68	40.5	2.56	108.41	37.0	2.93	88.26	40.3	2.19	2.12
1960 .....	80.67	38.6	2.09	105.44	40.4	2.61	113.04	36.7	3.08	89.72	39.7	2.26	2.19
1961 .....	82.60	38.6	2.14	106.92	40.5	2.64	118.08	36.9	3.20	92.34	39.8	2.32	2.25
1962 .....	85.91	38.7	2.22	110.43	40.9	2.70	122.47	37.0	3.31	96.56	40.4	2.39	2.31
1963 .....	88.46	38.8	2.28	114.40	41.6	2.75	127.19	37.3	3.41	99.63	40.5	2.46	2.37
1964 .....	91.33	38.7	2.36	117.74	41.9	2.81	132.06	37.2	3.55	102.97	40.7	2.53	2.43
1965 .....	95.45	38.8	2.46	123.52	42.3	2.92	138.38	37.4	3.70	107.53	41.2	2.61	2.50
1966 .....	98.82	38.6	2.56	130.24	42.7	3.05	146.65	37.7	3.89	112.19	41.4	2.71	2.59
1967 .....	101.84	38.0	2.68	135.89	42.6	3.19	154.95	37.7	4.11	114.49	40.6	2.82	2.71
1968 .....	107.73	37.8	2.85	142.71	42.6	3.35	164.49	37.3	4.41	122.51	40.7	3.01	2.88
1969 .....	114.61	37.7	3.04	154.80	43.0	3.60	181.54	37.9	4.79	129.51	40.6	3.19	3.05
1970 .....	119.83	37.1	3.23	164.40	42.7	3.85	195.45	37.3	5.24	133.33	39.8	3.35	3.23
1971 .....	127.31	36.9	3.45	172.14	42.4	4.06	211.67	37.2	5.69	142.44	39.9	3.57	3.45
1972 .....	136.90	37.0	3.70	189.14	42.6	4.44	221.19	36.5	6.06	154.71	40.5	3.82	3.66
1973 .....	145.39	36.9	3.94	200.98	42.4	4.74	235.89	36.8	6.41	166.46	40.7	4.09	3.91
1974 .....	154.76	36.5	4.24	219.14	41.9	5.23	249.25	36.6	6.81	177.20	40.0	4.43	4.25
1975 .....	163.53	36.1	4.53	249.31	41.9	5.95	266.08	36.4	7.31	190.79	39.5	4.83	4.67
1976 .....	175.45	36.1	4.86	273.90	42.4	6.46	283.36	36.8	7.70	209.32	40.1	5.22	5.02
1977 .....	188.64	36.0	5.24	301.20	43.4	6.94	295.29	36.5	8.09	228.50	40.3	5.67	5.44
Sept .....	193.14	36.1	5.35	314.43	44.1	7.13	303.14	36.7	8.26	235.65	40.7	5.79	5.53
Oct .....	194.58	36.1	5.39	317.02	44.4	7.14	308.39	37.2	8.29	236.29	40.6	5.82	5.56
Nov .....	193.86	35.9	5.40	317.80	44.2	7.19	298.19	36.1	8.26	238.10	40.7	5.85	5.60
Dec .....	195.48	36.2	5.40	289.08	42.7	6.77	299.27	36.1	8.29	243.31	41.1	5.92	5.67
1978:													
Jan .....	192.00	35.1	5.47	289.53	41.9	6.91	275.22	33.0	8.34	234.02	39.2	5.97	5.73
Feb .....	193.80	35.3	5.49	297.30	42.9	6.93	287.87	34.6	8.32	236.81	39.6	5.98	5.73
Mar .....	197.62	35.8	5.52	301.63	43.4	6.95	304.92	36.3	8.40	242.40	40.4	6.00	5.75
Apr .....	200.12	35.8	5.59	332.23	43.6	7.62	310.43	37.0	8.39	243.61	40.4	6.03	5.79
May .....	200.63	35.7	5.62	331.58	43.4	7.64	312.68	36.7	8.52	245.23	40.4	6.07	5.82
June .....	204.53	36.2	5.65	336.05	43.7	7.69	324.42	37.9	8.56	249.29	40.8	6.11	5.85
July .....	206.55	36.3	5.69	337.82	43.2	7.82	329.67	38.2	8.63	248.65	40.3	6.17	5.92
Aug <sup>p</sup> .....	206.34	36.2	5.70	334.97	43.0	7.79	330.11	37.9	8.71	248.86	40.4	6.16	5.90
Sept <sup>p</sup> .....	208.22	35.9	5.80	344.37	43.1	7.99	330.62	37.4	8.84	255.60	40.7	6.28	5.98
	Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			
1955 .....	-	-	-	\$ 55.16	39.4	\$ 1.40	\$ 63.92	37.6	\$ 1.70	-	-	-	-
1956 .....	-	-	-	57.48	39.1	1.47	65.68	36.9	1.78	-	-	-	-
1957 .....	-	-	-	59.60	38.7	1.54	67.53	36.7	1.84	-	-	-	-
1958 .....	-	-	-	61.76	38.6	1.60	70.12	37.1	1.89	-	-	-	-
1959 <sup>2</sup> .....	-	-	-	64.41	38.8	1.66	72.74	37.3	1.95	-	-	-	-
1960 .....	-	-	-	66.01	38.6	1.71	75.14	37.2	2.02	-	-	-	-
1961 .....	-	-	-	67.41	38.3	1.76	77.12	36.9	2.09	-	-	-	-
1962 .....	-	-	-	69.91	38.2	1.83	80.94	37.3	2.17	-	-	-	-
1963 .....	-	-	-	72.01	38.1	1.89	84.38	37.5	2.25	-	-	-	-
1964 .....	\$118.78	41.1	\$2.89	74.86	38.0	1.97	85.56	37.3	2.30	\$70.03	36.1	\$1.94	
1965 .....	125.14	41.3	3.03	76.91	37.7	2.04	88.91	37.2	2.39	73.60	35.9	2.05	
1966 .....	128.13	41.2	3.11	79.39	37.1	2.14	92.13	37.3	2.47	77.04	35.5	2.17	
1967 .....	130.82	40.5	3.23	82.35	36.6	2.25	95.72	37.1	2.58	80.38	35.1	2.29	
1968 .....	139.19	40.7	3.42	87.00	36.1	2.41	101.75	37.0	2.75	83.97	34.7	2.42	
1969 .....	147.74	40.7	3.63	91.39	35.7	2.56	108.70	37.1	2.93	90.57	34.7	2.61	
1970 .....	155.93	40.5	3.85	96.02	35.3	2.72	112.67	36.7	3.07	96.66	34.4	2.81	
1971 .....	168.82	40.1	4.21	101.09	35.1	2.88	117.85	36.6	3.22	103.06	33.9	3.04	
1972 .....	187.86	40.4	4.65	106.45	34.9	3.05	122.98	36.6	3.36	110.85	33.9	3.27	
1973 .....	203.31	40.5	5.02	111.76	34.6	3.23	129.20	36.6	3.53	117.29	33.8	3.47	
1974 .....	217.48	40.2	5.41	119.02	34.2	3.48	137.61	36.5	3.77	126.00	33.6	3.75	
1975 .....	233.44	39.7	5.88	126.45	33.9	3.73	148.19	36.5	4.06	134.67	33.5	4.02	
1976 .....	256.71	39.8	6.45	133.79	33.7	3.97	155.43	36.4	4.27	143.52	33.3	4.31	
1977 .....	278.90	39.9	6.99	142.19	33.3	4.27	165.26	36.4	4.54	153.45	33.0	4.65	
Sept .....	284.89	39.9	7.14	144.09	33.2	4.34	166.25	36.3	4.58	154.96	32.9	4.71	
Oct .....	287.36	39.8	7.22	145.08	33.2	4.37	169.36	36.5	4.64	157.56	33.1	4.76	
Nov .....	291.45	40.2	7.25	144.10	32.9	4.38	168.53	36.4	4.63	157.26	32.9	4.78	
Dec .....	293.06	40.2	7.29	146.29	33.4	4.38	169.99	36.4	4.67	158.40	33.0	4.80	
1978:													
Jan .....	289.20	39.4	7.34	146.19	32.2	4.54	173.26	36.4	4.76	160.39	32.8	4.89	
Feb .....	294.80	40.0	7.37	146.64	32.3	4.54	173.26	36.4	4.76	160.56	32.7	4.91	
Mar .....	294.33	40.1	7.34	149.11	32.7	4.56	172.79	36.3	4.76	161.05	32.8	4.91	
Apr .....	296.51	39.8	7.45	150.42	32.7	4.60	177.14	36.6	4.84	162.36	32.8	4.95	
May .....	297.26	39.9	7.45	150.75	32.7	4.61	176.06	36.3	4.85	161.37	32.6	4.95	
June .....	301.04	40.3	7.47	153.38	33.2	4.62	178.49	36.5	4.89	162.69	33.0	4.93	
July .....	301.20	40.0	7.53	157.04	33.7	4.66	180.93	36.7	4.93	164.84	33.3	4.95	
Aug <sup>p</sup> .....	305.07	40.3	7.57	156.11	33.5	4.66	178.97	36.6	4.89	164.01	33.2	4.94	
Sept <sup>p</sup> .....	305.16	40.1	7.61	154.34	32.7	4.72	179.82	36.4	4.94	165.31	32.8	5.04	

<sup>1</sup>For coverage of series, see footnote 1, table B-2.

<sup>3</sup>Prior to January 1956, data were based on the application of adjustment factors to gross average hourly earnings. (See Explanatory Note.)

p = preliminary.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls,  
by industry**

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>b</sup>	Sept. 1978 <sup>b</sup>	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>b</sup>	Sept. 1978 <sup>b</sup>
	<b>TOTAL PRIVATE</b>	\$190.58	\$193.14	\$206.55	\$206.34	\$208.22	\$5.25	\$5.35	\$5.69	\$5.70	\$5.80
	<b>MINING</b>	300.76	314.43	337.82	334.97	344.37	6.93	7.13	7.82	7.79	7.99
10	<b>METAL MINING</b>	297.82	302.30	341.55	341.47	—	7.39	7.52	8.29	8.39	—
101	Iron ores	314.70	324.38	363.80	356.65	—	7.37	7.44	8.52	8.72	—
102	Copper ores	285.77	292.39	336.18	334.93	—	7.56	7.86	8.62	8.61	—
11, 12	<b>COAL MINING</b>	345.70	367.14	390.91	381.91	—	8.31	8.44	(*)	9.62	—
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b>	346.94	368.01	393.09	383.11	—	8.34	8.46	(*)	9.65	—
13	<b>OIL AND GAS EXTRACTION</b>	285.19	290.50	315.06	315.32	—	6.38	6.47	7.08	7.07	—
131, 2	Crude petroleum, natural gas, and natural gas liquids	290.50	302.43	341.49	327.61	—	7.12	7.27	8.15	8.01	—
138	Oil and gas field services	282.40	284.43	303.45	310.00	—	6.06	6.13	6.64	6.71	—
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b>	266.82	270.89	295.74	297.60	—	5.89	5.98	6.36	6.40	—
142	Crushed and broken stone	265.88	264.36	295.30	299.23	—	5.78	5.81	6.23	6.26	—
—	<b>CONSTRUCTION</b>	299.26	303.14	329.67	330.11	330.62	8.11	8.26	8.63	8.71	8.84
15	<b>GENERAL BUILDING CONTRACTORS</b>	275.96	282.05	293.97	295.65	—	7.54	7.77	8.01	8.10	—
152	Residential building construction	262.02	267.16	277.06	279.46	—	7.12	7.38	7.57	7.72	—
153	Operative builders	237.02	248.47	257.05	262.26	—	6.74	6.96	6.91	7.05	—
154	Nonresidential building construction	299.75	305.51	320.90	320.90	—	8.19	8.37	8.72	8.72	—
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b>	299.41	295.29	341.82	339.47	—	7.58	7.65	8.10	8.18	—
161	Highway and street construction	295.30	292.80	343.10	341.82	—	7.15	7.32	7.71	7.84	—
162	Heavy construction, except highway	301.44	297.14	340.68	338.92	—	7.85	7.84	8.35	8.41	—
17	<b>SPECIAL TRADE CONTRACTORS</b>	312.84	318.40	343.36	344.47	—	8.69	8.82	9.23	9.31	—
171	Plumbing, heating, air conditioning	331.63	336.93	357.96	360.43	—	8.75	8.89	9.42	9.51	—
172	Painting, paper hanging, decorating	279.41	282.35	310.82	314.28	—	8.17	8.28	8.61	8.73	—
173	Electrical work	368.17	368.86	396.24	399.09	—	9.74	9.81	10.40	10.42	—
174	Masonry, stonework, and plastering	289.33	292.90	319.33	320.88	—	8.56	8.64	8.97	9.09	—
175	Carpentering and flooring	254.69	261.21	294.99	296.31	—	7.58	7.66	8.24	8.30	—
176	Roofing and sheet metal work	247.74	252.53	277.26	277.44	—	7.67	7.77	8.06	8.16	—
—	<b>MANUFACTURING</b>	229.31	235.65	248.65	248.86	255.60	5.69	5.79	6.17	6.16	6.28
24, 25, 32-39	<b>DURABLE GOODS</b>	248.67	255.85	268.71	268.71	277.79	6.08	6.18	6.57	6.57	6.71
20-23, 26-31	<b>NONDURABLE GOODS</b>	203.54	205.92	220.02	219.78	222.72	5.14	5.20	5.57	5.55	5.61
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b>	205.49	212.22	227.83	226.23	227.26	5.15	5.24	5.71	5.67	5.71
241	Logging camps and logging contractors	246.68	272.53	301.43	298.62	—	6.74	6.97	7.37	7.41	—
242	Sawmills and planing mills	219.60	224.80	240.72	239.67	—	5.33	5.43	5.90	5.86	—
2421	Sawmills and planing mills, general	230.87	237.12	254.20	253.79	—	5.59	5.70	6.20	6.16	—
2426	Hardwood dimension and flooring	149.45	150.63	159.20	160.39	—	3.69	3.71	3.97	3.98	—
243	Millwork, plywood, and structural members	203.09	206.85	223.91	220.18	—	5.09	5.12	5.64	5.56	—
2431	Millwork	192.94	196.80	211.18	212.37	—	4.86	4.92	5.36	5.39	—
2434	Wood kitchen cabinets	177.17	180.89	196.35	198.47	—	4.65	4.65	5.10	5.05	—
2435	Hardwood veneer and plywood	169.72	175.12	172.97	177.41	—	4.17	4.23	4.54	4.48	—
2436	Softwood veneer and plywood	260.76	268.16	301.14	280.99	—	6.36	6.40	7.17	7.06	—
244	Wooden containers	145.92	148.61	160.58	158.08	—	3.81	3.85	4.16	4.16	—
245	Wood buildings and mobile homes	190.88	191.97	199.50	202.51	—	4.69	4.74	5.25	5.26	—
2451	Mobile homes	186.12	191.75	196.35	200.03	—	4.70	4.77	5.25	5.25	—
249	Miscellaneous wood products	171.68	173.26	185.26	184.21	—	4.26	4.31	4.69	4.64	—
25	<b>FURNITURE AND FIXTURES</b>	173.80	175.87	182.52	185.97	188.02	4.40	4.43	4.68	4.72	4.76
251	Household furniture	160.31	163.51	168.19	174.00	—	4.10	4.15	4.38	4.45	—
2511	Wood household furniture	148.83	151.22	157.49	163.14	—	3.73	3.79	4.08	4.13	—
2512	Upholstered household furniture	166.50	172.42	174.17	181.54	—	4.44	4.49	4.62	4.74	—
2514	Metal household furniture	173.41	171.83	172.14	176.02	—	4.39	4.35	4.53	4.56	—
2515	Mattresses and bedsprings	187.54	194.00	193.39	200.88	—	4.76	4.85	5.01	5.06	—
252	Office furniture	205.84	198.45	209.16	206.74	—	4.96	4.90	5.19	5.13	—
253	Public building and related furniture	198.13	197.29	214.02	206.76	—	4.88	4.92	5.12	5.08	—
254	Partitions and fixtures	214.38	216.94	223.60	225.76	—	5.40	5.41	5.59	5.63	—
259	Miscellaneous furniture and fixtures	192.30	191.97	199.14	207.14	—	4.76	4.74	5.08	5.14	—

See footnotes at end of table.

ESTABLISHMENT DATA  
HOURS AND EARNINGS

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls,  
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 P	Sept. 1978 P	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 P	Sept. 1978 P
-	<b>TOTAL PRIVATE</b>	36.3	36.1	36.3	36.2	35.9	-	-	-	-	-
-	<b>MINING</b>	43.4	44.1	43.2	43.0	43.1	-	-	-	-	-
10	<b>METAL MINING</b>	40.3	40.2	41.2	40.7	-	-	-	-	-	-
101	Iron ores	42.7	43.6	42.7	40.9	-	-	-	-	-	-
102	Copper ores	37.8	37.2	39.0	38.9	-	-	-	-	-	-
11, 12	<b>COAL MINING</b>	41.6	43.5	(*)	39.7	-	-	-	-	-	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b>	41.6	43.5	(*)	39.7	-	-	-	-	-	-
13	<b>OIL AND GAS EXTRACTION</b>	44.7	44.9	44.5	44.6	-	-	-	-	-	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	40.8	41.6	41.9	40.9	-	-	-	-	-	-
138	Oil and gas field services	46.6	46.4	45.7	46.2	-	-	-	-	-	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b>	45.3	45.3	46.5	46.5	-	-	-	-	-	-
142	Crushed and broken stone	46.0	45.5	47.4	47.8	-	-	-	-	-	-
-	<b>CONSTRUCTION</b>	36.9	36.7	38.2	37.9	37.4	-	-	-	-	-
15	<b>GENERAL BUILDING CONTRACTORS</b>	36.6	36.3	36.7	36.5	-	-	-	-	-	-
152	Residential building construction	36.8	36.2	36.6	36.2	-	-	-	-	-	-
153	Operative builders	35.3	35.7	37.2	37.2	-	-	-	-	-	-
154	Nonresidential building construction	36.6	36.5	36.8	36.8	-	-	-	-	-	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b>	39.5	38.6	42.2	41.5	-	-	-	-	-	-
161	Highway and street construction	41.3	40.0	44.5	43.6	-	-	-	-	-	-
162	Heavy construction, except highway	38.4	37.9	40.8	40.3	-	-	-	-	-	-
17	<b>SPECIAL TRADE CONTRACTORS</b>	36.0	36.1	37.2	37.0	-	-	-	-	-	-
171	Plumbing, heating, air conditioning	37.9	37.9	38.0	37.9	-	-	-	-	-	-
172	Painting, paper hanging, decorating	34.2	34.1	36.1	36.0	-	-	-	-	-	-
173	Electrical work	37.8	37.6	38.1	38.3	-	-	-	-	-	-
174	Masonry, stonework, and plastering	33.8	33.9	35.6	35.3	-	-	-	-	-	-
175	Carpentering and flooring	33.6	34.1	35.8	35.7	-	-	-	-	-	-
176	Roofing and sheet metal work	32.3	32.5	34.4	34.0	-	-	-	-	-	-
-	<b>MANUFACTURING</b>	40.3	40.7	40.3	40.4	40.7	3.6	3.8	3.5	3.6	4.0
24, 25, 32-39	<b>DURABLE GOODS</b>	40.9	41.4	40.9	40.9	41.4	3.7	4.0	3.7	3.8	4.2
20-23, 26-31	<b>NONDURABLE GOODS</b>	39.6	39.6	39.5	39.6	39.7	3.3	3.5	3.2	3.4	3.6
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b>	39.9	40.5	39.9	39.9	39.8	4.0	4.1	3.8	3.8	-
241	Logging camps and logging contractors	36.6	39.1	40.9	40.3	-	3.7	4.1	4.8	4.6	-
242	Sawmills and planing mills	41.2	41.4	40.8	40.9	-	4.8	4.9	4.6	4.8	-
2421	Sawmills and planing mills, general	41.3	41.6	41.0	41.2	-	5.0	5.1	4.9	5.0	-
2426	Hardwood dimension and flooring	40.5	40.6	40.1	40.3	-	4.0	4.1	3.3	3.9	-
243	Millwork, plywood, and structural members	39.9	40.4	39.7	39.6	-	3.8	3.9	3.3	3.3	-
2431	Millwork	39.7	40.0	39.4	39.4	-	3.1	3.2	2.4	2.5	-
2434	Wood kitchen cabinets	38.1	38.9	38.5	39.3	-	2.9	3.1	2.6	2.8	-
2435	Hardwood veneer and plywood	40.7	41.4	38.1	39.6	-	4.5	4.4	3.6	3.9	-
2436	Softwood veneer and plywood	41.0	41.9	42.0	39.8	-	5.0	5.3	4.7	4.6	-
244	Wooden containers	38.3	38.6	38.6	38.0	-	2.9	3.1	3.3	3.1	-
245	Wood buildings and mobile homes	40.7	40.5	38.0	38.5	-	3.4	3.4	2.6	2.6	-
2451	Mobile homes	39.6	40.2	37.4	38.1	-	3.0	3.3	1.9	2.0	-
249	Miscellaneous wood products	40.3	40.2	39.5	39.7	-	3.5	3.7	3.2	3.2	-
25	<b>FURNITURE AND FIXTURES</b>	39.5	39.7	39.0	39.4	39.5	2.8	3.0	2.4	2.7	-
251	Household furniture	39.1	39.4	38.4	39.1	-	2.7	2.9	2.3	2.6	-
2611	Wood household furniture	39.9	39.9	38.6	39.5	-	3.3	3.4	2.7	3.3	-
2612	Upholstered household furniture	37.5	38.4	37.7	38.3	-	1.6	2.1	1.4	1.7	-
2614	Metal household furniture	39.5	39.5	38.0	38.6	-	2.6	2.3	1.9	1.4	-
2615	Mattresses and bedsprings	39.4	40.0	38.6	39.7	-	3.8	4.1	3.4	3.7	-
262	Office furniture	41.5	40.5	40.3	40.3	-	3.6	3.1	2.5	2.6	-
263	Public building and related furniture	40.6	40.1	41.8	40.7	-	3.3	3.4	2.2	2.9	-
264	Partitions and fixtures	39.7	40.1	40.0	40.1	-	2.7	3.4	3.2	3.2	-
269	Miscellaneous furniture and fixtures	40.4	40.5	39.2	40.3	-	2.0	2.2	1.7	2.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls,  
by industry—Continued**

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>b</sup>	Sept. 1978 <sup>b</sup>	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>b</sup>	Sept. 1978 <sup>b</sup>
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	\$245.78	\$244.08	\$266.90	\$268.38	\$268.55	\$5.88	\$5.91	\$6.37	\$6.39	\$6.44
321	Flat glass	321.49	328.38	345.53	337.69	—	7.29	7.33	7.98	7.89	—
322	Glass and glassware, pressed or blown	246.02	228.46	270.28	270.68	—	6.12	6.06	6.69	6.70	—
3221	Glass containers	261.23	229.68	285.82	286.01	—	6.45	6.38	7.04	7.01	—
3229	Pressed and blown glass, nec	222.72	226.97	248.22	247.95	—	5.61	5.66	6.19	6.23	—
323	Products of purchased glass	238.86	246.86	240.79	236.56	—	5.84	5.92	6.19	6.05	—
324	Cement, hydraulic	342.55	341.46	369.30	369.60	—	8.06	8.13	8.71	8.80	—
325	Structural clay products	193.05	198.31	210.94	210.01	—	4.72	4.79	5.17	5.16	—
326	Pottery and related products	186.24	192.46	198.53	200.33	—	4.80	4.86	5.17	5.19	—
327	Concrete, gypsum, and plaster products	259.45	259.86	282.95	284.80	—	5.91	5.96	6.33	6.40	—
3271	Concrete block and brick	241.98	239.23	261.50	265.14	—	5.33	5.34	5.76	5.84	—
3272	Concrete products, nec	227.06	230.69	238.29	242.68	—	5.33	5.39	5.62	5.71	—
3273	Ready-mixed concrete	286.45	285.32	319.90	321.23	—	6.54	6.62	7.00	7.06	—
329	Misc. nonmetallic mineral products	240.86	242.36	262.92	266.70	—	5.79	5.84	6.29	6.32	—
3291	Abrasive products	227.93	230.20	248.52	250.48	—	5.67	5.67	6.26	6.20	—
3292	Asbestos products	269.33	270.07	280.36	286.89	—	6.22	6.31	6.46	6.55	—
33	<b>PRIMARY METAL INDUSTRIES</b>	310.31	317.82	342.34	346.93	351.96	7.55	7.64	8.19	8.28	8.38
331	Blast furnace and basic steel products	348.65	356.24	391.02	397.40	—	8.63	8.71	9.31	9.53	—
3312	Blast furnaces and steel mills	357.38	365.08	402.36	408.93	—	8.89	8.97	9.58	9.83	—
3317	Steel pipe and tubes	290.17	300.54	318.52	323.60	—	7.06	7.19	7.62	7.65	—
332	Iron and steel foundries	276.39	284.08	298.29	302.28	—	6.66	6.78	7.24	7.18	—
3321	Gray iron foundries	287.64	296.23	309.74	308.67	—	6.80	6.97	7.41	7.28	—
3322	Malleable iron foundries	290.79	292.44	391.08	310.37	—	7.18	7.15	7.72	7.74	—
3325	Steel foundries, nec	248.58	255.73	275.40	288.54	—	6.23	6.33	6.80	6.87	—
333	Primary nonferrous metals	319.76	336.42	368.07	365.90	—	7.78	8.01	8.62	8.65	—
3334	Primary aluminum	349.02	364.00	390.28	388.03	—	8.31	8.75	9.14	9.13	—
3335	Nonferrous rolling and drawing	282.74	293.44	306.55	310.86	—	6.70	6.84	7.23	7.28	—
3351	Copper rolling and drawing	278.84	279.50	290.79	303.21	—	6.41	6.47	6.81	6.86	—
3353	Aluminum sheet, plate, and foil	330.68	344.43	369.67	373.15	—	7.93	8.01	8.76	8.78	—
3357	Nonferrous wire drawing and insulating	261.43	273.42	283.98	290.34	—	6.33	6.51	6.81	6.88	—
336	Nonferrous foundries	237.38	241.19	252.14	252.97	—	5.72	5.77	6.18	6.17	—
3361	Aluminum foundries	243.36	249.31	261.12	261.35	—	5.85	5.95	6.40	6.39	—
34	<b>FABRICATED METAL PRODUCTS</b>	243.13	247.61	255.96	259.72	266.56	5.93	6.01	6.32	6.35	6.47
341	Metal cans and shipping containers	334.06	328.19	367.28	365.79	—	7.44	7.51	8.18	8.22	—
3411	Metal cans	347.00	338.57	382.33	378.16	—	7.66	7.73	8.44	8.46	—
342	Cutlery, hand tools, and hardware	230.77	238.30	235.82	245.43	—	5.67	5.77	5.97	6.09	—
3423, 5	Hand and edge tools, and hand saws and blades	214.13	224.67	224.62	228.91	—	5.34	5.44	5.73	5.81	—
3429	Hardware, nec	245.14	250.69	246.93	261.58	—	5.95	6.07	6.22	6.38	—
343	Plumbing and heating, except electric	202.80	210.93	216.28	223.91	—	5.20	5.26	5.56	5.64	—
3432	Plumbing fittings and brass goods	196.39	198.18	214.03	221.10	—	5.01	5.03	5.46	5.50	—
3433	Heating equipment, except electric	201.73	208.68	208.19	216.89	—	5.12	5.14	5.45	5.59	—
344	Fabricated structural metal products	231.18	231.49	241.60	244.62	—	5.68	5.73	6.04	6.07	—
3441	Fabricated structural metal	244.17	240.20	253.08	263.08	—	5.97	6.02	6.28	6.37	—
3442	Metal doors, sash, and trim	181.48	180.14	190.51	191.88	—	4.47	4.47	4.86	4.87	—
3443	Fabricated plate work (boiler shops)	254.18	254.29	262.66	266.12	—	6.23	6.31	6.55	6.62	—
3444	Sheet metal work	235.41	238.79	248.06	246.64	—	5.90	5.94	6.28	6.26	—
3446	Architectural metal work	223.76	226.70	234.99	237.77	—	5.58	5.57	5.86	5.90	—
345	Screw machine products, bolts, etc.	237.86	243.24	248.29	256.20	—	5.61	5.67	5.94	6.00	—
3451	Screw machine products	222.08	227.37	233.38	237.30	—	5.25	5.30	5.61	5.61	—
3452	Bolts, nuts, rivets, and washers	252.88	258.69	264.39	274.98	—	5.95	6.03	6.28	6.38	—
346	Metal forgings and stampings	280.84	293.58	302.73	301.49	—	6.80	6.99	7.33	7.30	—
3462	Iron and steel forgings	306.27	320.61	330.72	332.69	—	7.47	7.67	7.95	7.94	—
3465	Automotive stampings	343.26	356.27	373.25	365.93	—	8.02	8.19	8.66	8.61	—
3469	Metal stampings, nec	212.00	219.78	222.78	227.37	—	5.30	5.40	5.64	5.67	—
347	Metal services, nec	199.79	202.69	204.29	205.82	—	4.97	4.98	5.12	5.12	—
3471	Plating and polishing	185.72	189.34	196.91	197.11	—	4.69	4.71	4.96	4.94	—
3479	Metal coating and allied services	231.99	233.10	224.52	228.22	—	5.59	5.59	5.53	5.58	—
348	Ordnance and accessories, nec	231.15	234.03	247.82	250.22	—	5.75	5.75	6.18	6.24	—
3483	Ammunition, exc. for small arms, nec	212.46	216.28	217.17	221.95	—	5.42	5.38	5.73	5.78	—
349	Misc. fabricated metal products	225.92	229.39	241.80	244.22	—	5.62	5.65	6.03	6.03	—
3494	Valves and pipe fittings	244.50	251.09	260.76	262.67	—	5.92	5.95	6.36	6.36	—
3496	Misc. fabricated wire products	197.79	198.97	211.20	208.69	—	5.02	5.05	5.32	5.27	—
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	259.36	267.32	279.30	281.48	291.45	6.28	6.38	6.73	6.75	6.89
351	Engines and turbines	317.77	332.32	331.10	330.42	—	7.39	7.57	7.94	8.02	—
3511	Turbines and turbine generator sets	279.45	286.71	305.18	297.65	—	6.90	7.01	7.48	7.46	—
3519	Internal combustion engines, nec	333.52	350.88	341.43	343.61	—	7.58	7.78	8.11	8.24	—
352	Farm and garden machinery	269.61	282.49	297.52	302.09	—	6.69	6.89	7.31	7.35	—
3523	Farm machinery and equipment	273.91	288.11	307.84	312.08	—	6.78	7.01	7.49	7.52	—
353	Construction and related machinery	279.14	283.56	293.66	305.95	—	6.71	6.80	7.18	7.25	—

See footnotes at end of table.

ESTABLISHMENT DATA  
HOURS AND EARNINGS

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls,  
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 P	Sept. 1978 P	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 P	Sept. 1978 P
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	41.8	41.3	41.9	42.0	41.7	5.0	4.9	5.1	5.2	—
321	Flat glass	44.1	44.8	43.3	42.8	—	7.6	8.0	6.9	6.1	—
322	Glass and glassware, pressed or blown	40.2	37.7	40.4	40.4	—	4.5	3.7	4.1	4.2	—
3221	Glass containers	40.5	36.0	40.6	40.8	—	5.1	3.9	4.7	4.9	—
3229	Pressed and blown glass, nec	39.7	40.1	40.1	39.8	—	3.6	3.4	3.3	3.3	—
323	Products of purchased glass	40.9	41.7	38.9	39.1	—	4.3	5.0	3.8	3.5	—
324	Cement, hydraulic	42.5	42.0	42.4	42.0	—	4.2	4.1	4.4	4.4	—
325	Structural clay products	40.9	41.4	40.8	40.7	—	4.4	4.6	4.5	4.4	—
326	Pottery and related products	38.8	39.6	38.4	38.6	—	2.5	2.7	2.1	2.6	—
327	Concrete, gypsum, and plaster products	43.9	43.6	44.7	44.5	—	6.9	6.7	7.5	7.5	—
3271	Concrete block and brick	45.4	44.8	45.4	45.4	—	7.7	7.5	8.3	8.0	—
3272	Concrete products, nec	42.6	42.8	42.4	42.5	—	5.8	5.6	6.1	6.6	—
3273	Ready-mixed concrete	43.8	43.1	45.7	45.5	—	7.2	6.9	8.1	7.8	—
329	Misc. nonmetallic mineral products	41.6	41.5	41.8	42.2	—	4.1	4.1	4.3	4.6	—
3291	Abrasive products	40.2	40.6	39.7	40.4	—	3.1	3.3	3.2	3.3	—
3292	Asbestos products	43.3	42.8	43.4	43.8	—	4.7	4.7	4.9	5.3	—
33	<b>PRIMARY METAL INDUSTRIES</b>	41.1	41.6	41.8	41.9	42.0	3.7	4.0	4.2	4.2	—
331	Blast furnace and basic steel products	40.4	40.9	42.0	41.7	—	2.8	3.0	3.7	3.8	—
3312	Blast furnaces and steel mills	40.2	40.7	42.0	41.6	—	2.7	2.9	3.7	3.7	—
3317	Steel pipe and tubes	41.1	41.8	41.8	42.3	—	4.0	4.5	4.3	4.3	—
332	Iron and steel foundries	41.5	41.9	41.2	42.1	—	5.0	5.2	4.6	4.8	—
3321	Gray iron foundries	42.3	42.5	41.8	42.4	—	5.7	5.9	5.3	5.3	—
3322	Malleable iron foundries	40.5	40.9	39.0	40.1	—	4.0	3.8	3.2	3.7	—
3325	Steel foundries, nec	39.9	40.4	40.5	42.0	—	3.7	4.1	3.5	4.2	—
333	Primary nonferrous metals	41.1	42.0	42.7	42.3	—	3.3	3.8	4.1	3.7	—
3334	Primary aluminum	42.0	41.6	42.7	42.5	—	4.2	4.7	4.3	4.2	—
335	Nonferrous rolling and drawing	42.2	42.9	42.4	42.7	—	4.7	5.2	5.3	5.4	—
3351	Copper rolling and drawing	43.5	43.2	42.7	44.2	—	4.8	5.2	5.5	6.3	—
3353	Aluminum sheet, plate and foil	41.7	43.0	42.2	42.5	—	5.5	6.3	6.8	6.9	—
3357	Nonferrous wire drawing and insulating	41.3	42.0	41.7	42.2	—	4.1	4.4	4.6	5.0	—
335	Nonferrous foundries	41.5	41.8	40.8	41.0	—	3.8	3.9	3.5	3.5	—
3361	Aluminum foundries	41.6	41.9	40.8	40.9	—	3.8	3.9	3.8	3.5	—
34	<b>FABRICATED METAL PRODUCTS</b>	41.0	41.2	40.5	40.9	41.2	3.7	4.0	3.5	3.7	—
341	Metal cans and shipping containers	44.9	43.7	44.9	44.5	—	5.5	5.2	5.5	5.3	—
3411	Metal cans	45.3	43.8	45.3	44.7	—	5.5	5.1	5.4	5.0	—
342	Cutlery, hand tools, and hardware	40.7	41.3	39.5	40.3	—	3.3	3.6	2.7	3.5	—
3423, 5	Hand and edge tools, and hand saws and blades	40.1	41.3	39.2	39.4	—	2.7	3.4	2.5	2.8	—
3429	Hardware, nec	41.2	41.3	39.7	41.0	—	3.7	3.8	2.8	4.1	—
343	Plumbing and heating, except electric	39.0	40.1	38.9	39.7	—	2.2	2.8	2.1	2.7	—
3432	Plumbing fittings and brass goods	39.2	39.4	39.2	40.2	—	1.9	1.9	2.1	3.1	—
3433	Heating equipment, except electric	39.4	40.6	38.2	38.8	—	2.4	3.3	1.7	2.1	—
344	Fabricated structural metal products	40.7	40.4	40.0	40.3	—	3.6	3.6	3.2	3.3	—
3441	Fabricated structural metal	40.9	39.9	40.3	41.3	—	3.6	3.5	4.0	—	—
3442	Metal doors, sash, and trim	40.6	40.3	39.2	39.4	—	3.8	3.8	2.8	3.2	—
3443	Fabricated plate work (hoier shops)	40.8	40.3	40.1	40.2	—	3.6	3.5	2.9	2.9	—
3444	Sheet metal work	39.9	40.2	39.5	39.4	—	3.3	3.6	3.2	3.2	—
3446	Architectural metal work	40.1	40.7	40.1	40.3	—	2.6	3.0	2.5	2.6	—
345	Screw machine products, bolts, etc.	42.4	42.9	41.8	42.7	—	4.8	5.3	4.7	5.2	—
3451	Screw machine products	42.3	42.9	41.6	42.3	—	4.9	5.4	5.0	5.1	—
3452	Bolts, nuts, rivets, and washers	42.5	42.9	42.1	43.1	—	4.7	5.1	4.4	5.4	—
346	Metal forgings and stampings	41.3	42.0	41.3	41.3	—	4.2	5.0	4.4	4.3	—
3462	Iron and steel forgings	41.0	41.8	41.6	41.9	—	4.4	5.3	5.3	5.7	—
3465	Automotive stampings	42.8	43.5	43.1	42.5	—	5.6	6.4	5.3	4.7	—
3469	Metal stampings, nec	40.0	40.7	39.5	40.1	—	2.8	3.5	3.2	3.3	—
347	Metal services, nec	40.2	40.7	39.9	40.2	—	3.6	4.1	3.7	3.6	—
3471	Plating and polishing	39.6	40.2	39.7	39.9	—	3.6	4.0	3.4	3.3	—
3479	Metal coating and allied services	41.5	41.7	40.6	40.9	—	3.7	4.3	4.4	4.3	—
348	Ordnance and accessories, nec	40.2	40.7	40.1	40.1	—	2.4	2.7	2.8	3.0	—
3483	Ammunition, exc. for small arms, nec	39.2	40.2	37.9	38.4	—	1.6	1.9	1.6	1.6	—
349	Misc. fabricated metal products	40.2	40.6	40.1	40.5	—	3.0	3.4	3.0	3.2	—
3494	Valves and pipe fittings	41.3	42.2	41.0	41.3	—	3.3	4.2	3.4	3.4	—
3496	Misc. fabricated wire products	39.4	39.4	39.7	39.6	—	2.6	2.8	2.7	3.0	—
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	41.3	41.9	41.5	41.7	42.3	4.1	4.3	3.9	4.0	—
351	Engines and turbines	43.0	43.9	41.7	41.2	—	4.2	4.8	4.2	3.7	—
3511	Turbines and turbine generator sets	40.5	40.9	40.8	39.9	—	4.2	4.2	4.3	3.9	—
3519	Internal combustion engines, nec	44.0	45.1	42.1	41.7	—	4.2	5.0	4.2	3.6	—
352	Farm and garden machinery	40.3	41.0	40.7	41.1	—	4.5	4.1	3.0	3.7	—
3523	Farm machinery and equipment	40.4	41.1	41.1	41.5	—	4.7	4.4	3.1	3.8	—
353	Construction and related machinery	41.6	41.7	40.9	42.2	—	3.7	3.8	3.8	3.9	—

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls,  
by industry—Continued**

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>p</sup>	Sept. 1978 <sup>p</sup>	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>p</sup>	Sept. 1978 <sup>p</sup>
<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>											
3531	Construction machinery	\$302.82	\$314.34	\$314.41	\$332.35	—	\$7.35	\$7.52	\$7.88	\$7.97	—
3532	Mining machinery	262.52	260.09	286.23	294.56	—	6.45	6.47	7.05	7.03	—
3533	Oil field machinery	275.36	266.22	284.26	293.93	—	6.33	6.22	6.58	6.65	—
3535	Conveyors and conveying equipment	247.53	245.34	266.05	265.82	—	5.77	5.80	6.26	6.24	—
3537	Industrial trucks and tractors	233.83	252.97	259.38	262.28	—	5.89	6.14	6.60	6.59	—
354	Metalworking machinery	278.20	284.26	302.93	301.10	—	6.50	6.58	6.98	6.97	—
3541	Machine tools, metal cutting types	288.63	293.23	311.03	310.59	—	6.62	6.71	7.15	7.14	—
3542	Machine tools, metal forming types	273.07	275.27	319.49	313.65	—	6.58	6.78	7.43	7.38	—
3544	Special dies, tools, jigs, and fixtures	306.24	313.73	336.29	328.41	—	6.96	7.05	7.44	7.43	—
3545	Machine tool accessories	245.86	256.45	265.44	269.66	—	5.91	6.02	6.32	6.33	—
3546	Power driven hand tools	207.43	213.20	210.14	219.51	—	5.16	5.20	5.43	5.42	—
355	Special industry machinery	240.57	251.45	261.29	260.07	—	5.94	6.03	6.42	6.39	—
3551	Food products machinery	258.08	263.11	280.01	280.43	—	6.31	6.34	6.78	6.79	—
3552	Textile machinery	199.26	205.09	208.68	212.78	—	4.92	4.99	5.23	5.28	—
3555	Printing trades machinery	250.34	264.80	260.40	257.68	—	6.29	6.35	6.51	6.54	—
356	General industrial machinery	260.60	265.01	274.46	275.40	—	6.31	6.34	6.76	6.75	—
3561	Pumps and pumping equipment	262.91	268.16	264.67	265.34	—	6.32	6.40	6.65	6.65	—
3562	Ball and roller bearings	264.59	270.51	277.16	279.48	—	6.27	6.35	6.76	6.80	—
3563	Air and gas compressors	264.59	280.80	296.19	297.65	—	6.33	6.50	7.12	7.07	—
3564	Blowers and fans	235.58	231.90	253.79	239.16	—	5.76	5.74	6.19	6.07	—
3566	Speed changers, drives, and gears	282.38	286.12	309.44	313.30	—	6.66	6.78	7.23	7.32	—
3568	Power transmission equipment, nec	245.22	255.78	264.52	269.51	—	6.10	6.09	6.58	6.51	—
357	Office and computing machines	217.34	221.94	227.42	231.69	—	5.34	5.40	5.52	5.61	—
3573	Electronic computing equipment	224.67	228.52	225.64	231.84	—	5.44	5.48	5.49	5.60	—
358	Refrigeration and service machinery	223.40	236.29	251.33	249.70	—	5.67	5.82	6.13	6.12	—
3585	Refrigeration and heating equipment	226.91	242.90	260.63	254.82	—	5.73	5.91	6.25	6.20	—
359	Misc. machinery, except electrical	249.00	256.20	271.88	273.42	—	6.00	6.10	6.52	6.51	—
3592	Carburetors, pistons, rings, valves	291.62	303.05	304.09	301.26	—	7.13	7.32	7.49	7.33	—
3599	Machinery, except electrical, nec	241.28	247.97	266.48	268.60	—	5.80	5.89	6.36	6.38	—
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b>										
361	Electric distributing equipment	220.32	225.36	233.78	236.56	\$241.57	5.44	5.51	5.83	5.87	\$5.95
3612	Transformers	219.89	227.26	234.63	233.05	—	5.47	5.57	5.91	5.90	—
3613	Switchgear and switchboard apparatus	205.53	208.46	224.22	227.55	—	5.10	5.16	5.55	5.55	—
362	Electrical industrial apparatus	232.36	242.49	243.59	238.23	—	5.78	5.90	6.23	6.22	—
3621	Motors and generators	221.75	229.45	239.38	238.79	—	5.53	5.61	5.94	5.94	—
3622	Industrial controls	228.66	238.71	246.44	244.21	—	5.66	5.78	6.07	6.09	—
363	Household appliances	200.21	204.73	217.01	218.67	—	5.16	5.17	5.55	5.55	—
3632	Household refrigerators and freezers	221.68	221.41	231.64	235.17	—	5.46	5.44	5.82	5.85	—
3633	Household laundry equipment	248.96	250.40	247.42	257.51	—	5.71	5.73	6.17	6.22	—
3634	Electric housewares and fans	246.65	244.99	276.86	273.04	—	6.39	6.38	6.87	6.93	—
364	Electric lighting and wiring equipment	184.00	188.67	197.38	198.80	—	4.67	4.67	4.91	4.97	—
3641	Electric lamps	202.47	206.23	217.46	222.75	—	5.10	5.13	5.45	5.50	—
3643	Current-carrying wiring devices	222.50	226.74	240.99	251.03	—	5.44	5.49	5.98	6.02	—
3644	Noncurrent-carrying wiring devices	189.91	194.00	204.72	208.28	—	4.82	4.79	5.08	5.13	—
3645	Residential lighting fixtures	214.77	216.54	220.86	216.07	—	5.29	5.36	5.44	5.47	—
365	Radio and TV receiving equipment	155.77	159.80	163.32	171.05	—	4.21	4.25	4.45	4.42	—
3651	Radio and TV receiving sets	197.15	202.78	209.91	213.70	—	4.88	4.97	5.41	5.41	—
366	Communication equipment	196.21	200.00	213.24	215.91	—	4.93	5.00	5.51	5.48	—
3661	Telephone and telegraph apparatus	255.23	263.53	268.62	276.75	—	6.18	6.35	6.60	6.75	—
3662	Radio and TV communication equipment	258.74	276.22	254.15	275.60	—	6.19	6.53	6.50	6.89	—
367	Electronic components and accessories	251.74	252.96	280.14	277.97	—	6.17	6.20	6.67	6.65	—
3671-3	Electronic tubes	179.90	184.12	196.40	197.11	—	4.52	4.58	4.91	4.94	—
3674	Semiconductors and related devices	246.08	253.58	255.64	254.40	—	5.67	5.75	6.16	6.22	—
3679	Electronic components, nec	199.80	206.15	218.69	225.09	—	5.02	5.09	5.36	5.49	—
369	Misc. electrical equipment and supplies	165.09	167.84	183.41	181.31	—	4.19	4.26	4.62	4.59	—
3691	Storage batteries	286.05	282.67	283.91	283.03	—	6.66	6.62	7.01	6.92	—
3694	Engine electrical equipment	290.17	305.55	287.52	303.66	—	6.64	6.76	7.17	7.23	—
37	<b>TRANSPORTATION EQUIPMENT</b>										
371	Motor vehicles and equipment	301.18	316.91	330.06	320.17	344.11	7.24	7.37	7.84	7.79	8.04
3711	Motor vehicles and car bodies	332.21	352.79	367.14	346.10	—	7.78	7.91	8.44	8.36	—
3713	Truck and bus bodies	342.32	372.82	384.05	348.88	—	8.17	8.23	8.89	8.90	—
3714	Motor vehicle parts and accessories	255.91	264.27	275.77	269.74	—	6.35	6.43	6.86	6.71	—
3715	Truck trailers	213.19	217.88	222.24	225.59	—	7.76	7.89	8.38	8.32	—
372	Aircraft and parts	288.56	295.68	313.08	319.12	—	6.97	7.04	7.49	7.58	—
3721	Aircraft	298.16	301.26	319.70	327.40	—	7.15	7.19	7.63	7.74	—
3724	Aircraft engines and engine parts	285.53	300.72	323.23	319.02	—	7.05	7.16	7.77	7.80	—
3728	Aircraft equipment, nec	268.36	276.64	286.02	296.87	—	6.42	6.54	6.81	6.92	—
373	Ship and boat building and repairing	231.39	241.38	253.49	(*)	—	6.01	6.08	6.55	(*)	—
3731	Shipbuilding and repairing	245.36	254.87	266.73	(*)	—	6.34	6.42	6.91	(*)	—
3732	Boat building and repairing	183.26	194.04	207.48	208.26	—	4.81	4.90	5.32	5.34	—
374	Railroad equipment	295.14	295.25	314.02	(*)	—	7.36	7.29	7.97	(*)	—

See footnotes at end of table.

ESTABLISHMENT DATA  
HOURS AND EARNINGS

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls,  
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>p</sup>	Sept. 1978 <sup>p</sup>	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>p</sup>	Sept. 1978 <sup>p</sup>
<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>											
3531	Construction machinery	41.2	41.8	39.9	41.7	—	3.0	3.4	3.0	3.2	—
3532	Mining machinery	40.7	40.2	40.6	41.9	—	3.5	3.0	3.7	3.5	—
3533	Oil field machinery	43.5	42.8	43.2	44.2	—	5.7	5.1	5.2	5.7	—
3535	Conveyors and conveying equipment	42.9	42.3	42.5	42.6	—	4.4	4.6	4.6	4.8	—
3537	Industrial trucks and tractors	39.7	41.2	39.3	39.8	—	3.0	3.5	2.9	3.0	—
354	Metalworking machinery	42.8	43.2	43.4	43.2	—	5.5	5.6	5.4	5.1	—
3541	Machine tools, metal cutting types	43.6	43.7	43.5	43.5	—	5.6	5.6	5.6	5.5	—
3542	Machine tools, metal forming types	41.5	40.6	43.0	42.5	—	4.1	4.9	6.1	5.6	—
3544	Special dies, tools, jigs, and fixtures	44.0	44.5	45.2	44.2	—	7.2	7.1	6.6	6.0	—
3545	Machine tool accessories	41.6	42.6	42.0	42.6	—	3.9	4.6	4.2	4.2	—
3546	Power driven hand tools	40.2	41.0	38.7	40.5	—	3.6	3.5	2.5	2.8	—
355	Special industry machinery	40.5	41.7	40.7	40.7	—	3.5	4.3	3.5	3.5	—
3551	Food products machinery	40.9	41.5	41.3	41.3	—	3.4	3.6	3.2	3.4	—
3552	Textile machinery	40.5	41.1	39.9	40.3	—	2.7	3.1	2.6	2.5	—
3555	Printing trades machinery	39.8	41.7	40.0	39.4	—	4.4	5.3	3.5	3.1	—
356	General industrial machinery	41.3	41.8	40.6	40.8	—	3.8	4.3	3.7	3.9	—
3561	Pumps and pumping equipment	41.6	41.9	39.8	39.9	—	3.9	4.3	3.3	2.9	—
3562	Ball and roller bearings	42.2	42.6	41.0	41.1	—	4.3	4.7	4.4	4.9	—
3563	Air and gas compressors	41.8	43.2	41.6	42.1	—	4.5	5.5	3.6	4.5	—
3564	Blowers and fans	40.9	40.4	41.0	39.4	—	3.3	3.5	3.3	3.1	—
3566	Speed changers, drives, and gears	42.4	42.2	42.8	42.8	—	4.2	4.4	4.4	4.9	—
3568	Power transmission equipment, nec	40.2	42.0	40.2	41.4	—	4.3	5.0	3.9	4.1	—
357	Office and computing machines	40.7	41.1	41.2	41.3	—	2.7	3.2	2.7	3.2	—
3573	Electronic computing equipment	41.3	41.7	41.1	41.4	—	3.1	3.6	2.8	3.2	—
358	Refrigeration and service machinery	39.4	40.6	41.0	40.8	—	3.0	3.6	3.3	3.2	—
3585	Refrigeration and heating equipment	39.6	41.1	41.7	41.1	—	3.2	3.9	3.7	3.3	—
359	Misc. machinery, except electrical	41.5	42.0	41.7	42.0	—	4.6	4.8	4.6	4.8	—
3592	Carburetors, pistons, rings, valves	40.9	41.4	40.6	41.1	—	4.0	3.9	3.3	3.3	—
3599	Machinery, except electrical, nec	41.6	42.1	41.9	42.1	—	4.7	4.9	4.8	5.0	—
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b>	40.5	40.9	40.1	40.3	40.6	2.8	3.0	2.6	2.8	—
361	Electric distributing equipment	40.2	40.8	39.7	39.5	—	2.2	2.6	2.8	2.5	—
3612	Transformers	40.3	40.4	40.4	41.0	—	2.0	2.3	3.0	2.8	—
3613	Switchgear and switchboard apparatus	40.2	41.1	39.1	38.3	—	2.3	2.8	2.7	2.2	—
362	Electrical industrial apparatus	40.1	40.9	40.3	40.2	—	2.8	3.3	2.9	2.9	—
3621	Motors and generators	40.4	41.3	40.6	40.1	—	3.1	3.7	3.2	3.1	—
3622	Industrial controls	38.8	39.6	39.1	39.4	—	1.9	2.3	1.9	2.0	—
363	Household appliances	40.6	40.7	39.8	40.2	—	2.7	2.7	1.9	2.2	—
3632	Household refrigerators and freezers	43.6	43.7	40.1	41.4	—	2.3	2.1	1.9	2.0	—
3633	Household laundry equipment	38.6	38.4	40.3	39.4	—	2.0	1.3	2.2	1.5	—
3634	Electric housewares and fans	39.4	40.4	40.2	40.0	—	2.5	3.2	2.1	2.7	—
364	Electric lighting and wiring equipment	39.7	40.2	39.9	40.5	—	2.3	2.5	2.6	2.8	—
3641	Electric lamps	40.9	41.3	40.3	41.7	—	2.0	2.2	1.7	2.4	—
3643	Current-carrying wiring devices	39.4	40.5	40.3	40.6	—	2.4	2.7	3.0	2.9	—
3644	Noncurrent-carrying wiring devices	40.6	40.4	40.6	39.5	—	2.2	2.6	2.9	2.8	—
3645	Residential lighting fixtures	37.0	37.6	36.7	38.7	—	1.2	1.8	1.0	1.7	—
365	Radio and TV receiving equipment	40.4	40.8	38.8	39.5	—	2.1	2.4	2.0	2.1	—
3651	Radio and TV receiving sets	39.8	40.0	38.7	39.4	—	1.6	1.5	1.5	1.9	—
366	Communication equipment	41.3	41.5	40.7	41.0	—	2.7	3.1	2.8	3.1	—
3661	Telephone and telegraph apparatus	41.8	42.3	39.1	40.0	—	2.9	3.4	2.5	3.1	—
3662	Radio and TV communication equipment	40.8	40.8	42.0	41.8	—	2.6	2.8	3.1	3.1	—
367	Electronic components and accessories	39.8	40.2	40.0	39.9	—	2.3	2.6	2.5	2.6	—
3671-3	Electronic tubes	43.4	44.1	41.5	40.9	—	1.7	2.9	2.1	1.9	—
3674	Semiconductors and related devices	39.8	40.5	40.8	41.0	—	2.8	3.1	2.8	3.3	—
3679	Electronic components, nec	39.4	39.4	39.7	39.5	—	2.1	2.4	2.5	2.5	—
369	Misc. electrical equipment and supplies	42.8	42.7	40.5	40.9	—	5.7	4.9	3.6	3.6	—
3691	Storage batteries	43.7	45.2	40.1	42.0	—	4.9	5.7	3.5	5.2	—
3694	Engine electrical equipment	43.9	42.7	41.0	40.7	—	7.9	5.8	4.4	3.7	—
37	<b>TRANSPORTATION EQUIPMENT</b>	41.6	43.0	42.1	41.1	42.8	4.8	5.2	4.9	4.6	—
371	Motor vehicles end equipment	42.7	44.6	43.5	41.4	—	6.1	6.6	6.0	5.4	—
3711	Motor vehicles and car bodies	41.9	45.3	43.2	39.2	—	6.1	6.7	5.9	5.1	—
3713	Truck and bus bodies	40.3	41.1	40.2	40.2	—	2.8	4.0	3.8	3.4	—
3714	Motor vehicle parts and accessories	43.9	44.7	44.3	43.5	—	6.7	7.1	6.6	6.2	—
3715	Truck trailers	40.3	40.2	39.9	40.5	—	2.8	2.7	3.0	3.0	—
372	Aircraft and parts	41.4	42.0	41.8	42.1	—	3.5	3.8	4.0	4.4	—
3721	Aircraft	41.7	41.9	41.9	42.3	—	2.9	3.0	3.2	4.0	—
3724	Aircraft engines and engine parts	40.5	42.0	41.6	40.9	—	4.0	4.6	5.0	4.6	—
3728	Aircraft equipment, nec	41.8	42.3	42.0	42.9	—	4.4	4.9	4.8	5.3	—
373	Ship and boat building and repairing	38.5	39.7	38.7	(*)	—	2.8	3.0	2.9	(*)	—
3731	Ship building and repairing	38.7	39.7	38.6	(*)	—	3.0	3.1	3.0	(*)	—
3732	Boat building and repairing	38.1	39.6	39.0	39.0	—	2.2	2.8	2.9	2.4	—
374	Railroad equipment	40.1	40.5	39.4	(*)	—	3.1	3.2	3.8	(*)	—

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls,  
by industry—Continued**

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>P</sup>	Sept. 1978 <sup>P</sup>	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>P</sup>	Sept. 1978 <sup>P</sup>
<b>TRANSPORTATION EQUIPMENT—Continued</b>											
376	Guided missiles, space vehicles, parts	\$292.01	\$302.41	\$308.26	\$314.71	—	\$7.21	\$7.34	\$7.41	\$7.44	—
3761	Guided missiles and space vehicles	296.40	307.22	302.35	310.43	—	7.41	7.53	7.54	7.59	—
379	Miscellaneous transportation equipment	206.19	213.60	218.34	222.95	—	5.26	5.34	5.57	5.63	—
3792	Travel trailers and campers	185.55	191.00	195.33	196.48	—	4.77	4.86	5.10	5.13	—
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	214.93	219.10	229.71	233.45	\$239.37	5.32	5.37	5.70	5.75	\$5.81
381	Engineering and scientific instruments	229.75	240.39	247.85	250.69	—	5.59	5.71	6.06	6.07	—
382	Measuring and controlling devices	217.74	220.73	232.23	235.39	—	5.43	5.45	5.72	5.87	—
3822	Environmental controls	204.75	204.61	215.21	220.18	—	5.21	5.18	5.49	5.56	—
3823	Process control instruments	221.65	232.54	244.18	247.57	—	5.50	5.59	5.80	5.98	—
3825	Instruments to measure electricity	229.88	229.71	243.02	244.61	—	5.69	5.70	5.87	6.10	—
383	Optical instruments and lenses	245.78	260.42	274.07	262.47	—	5.65	5.80	6.05	6.02	—
384	Medical instruments and supplies	182.68	185.00	193.55	197.81	—	4.59	4.66	4.95	4.97	—
3841	Surgical and medical instruments	181.75	180.26	188.81	194.28	—	4.39	4.44	4.78	4.75	—
3842	Surgical appliances and supplies	183.05	188.94	199.80	202.40	—	4.73	4.82	5.11	5.15	—
385	Ophthalmic goods	164.30	167.56	181.35	178.94	—	4.17	4.21	4.65	4.60	—
386	Photographic equipment and supplies	280.31	285.78	291.31	306.16	—	6.69	6.74	7.14	7.17	—
387	Watches, clocks, and watchcases	160.99	164.27	171.44	178.89	—	4.16	4.18	4.43	4.45	—
39	<b>MISCELLANEOUS MANUFACTURING</b>	168.30	172.43	180.48	182.28	184.86	4.36	4.41	4.70	4.71	4.74
391	Industries	175.76	181.94	176.80	181.89	—	4.53	4.56	4.74	4.70	—
3911	Jewelry, silverware, and plated ware	174.41	180.58	169.52	173.04	—	4.53	4.56	4.67	4.59	—
393	Musical instruments	166.80	167.16	178.20	182.10	—	4.17	4.20	4.50	4.61	—
394	Toys and sporting goods	150.50	153.60	164.54	164.21	—	3.95	4.00	4.33	4.31	—
3942, 4	Dolls, games, toys, and children's vehicles	141.75	144.40	156.15	157.73	—	3.74	3.79	4.12	4.14	—
3949	Sporting and athletic goods, nec	159.33	162.93	171.45	170.24	—	4.16	4.21	4.50	4.48	—
395	Pens, pencils, office and art supplies	177.28	177.91	196.99	195.51	—	4.41	4.47	4.84	4.90	—
396	Costume jewelry and notions	141.71	147.42	147.17	152.11	—	3.83	3.90	4.01	4.10	—
3961	Costume jewelry	130.68	137.27	137.99	143.05	—	3.61	3.69	3.76	3.93	—
399	Miscellaneous manufactures	192.08	196.42	205.80	209.09	—	4.90	4.96	5.25	5.28	—
3993	Signs and advertising displays	206.45	208.65	212.62	218.90	—	5.28	5.35	5.48	5.57	—
<b>NONDURABLE GOODS</b>											
20	<b>FOOD AND KINDRED PRODUCTS</b>	218.30	220.18	232.58	234.32	237.33	5.39	5.45	5.80	5.80	5.86
201	Meat products	219.30	225.43	235.41	235.22	—	5.51	5.58	5.90	5.91	—
2011	Meat packing plants	270.68	280.98	292.28	288.36	—	6.57	6.69	7.06	7.12	—
2013	Seasausages and other prepared meats	254.16	257.40	273.08	270.12	—	6.37	6.34	6.81	6.77	—
2016	Poultry dressing plants	132.68	133.38	145.54	150.93	—	3.51	3.51	3.84	3.87	—
202	Dairy products	229.94	232.09	247.19	244.95	—	5.36	5.41	5.83	5.86	—
2022	Cheese, natural and processed	203.50	208.57	226.46	224.81	—	5.00	5.05	5.47	5.51	—
2026	Fluid milk	240.99	243.31	257.14	253.98	—	5.44	5.48	5.98	5.99	—
203	Preserved fruits and vegetables	197.78	196.32	191.88	209.16	—	4.92	4.97	5.01	5.19	—
2032	Canned specialties	228.62	228.03	225.10	248.47	—	5.28	5.23	5.67	5.93	—
2033	Canned fruits and vegetables	207.43	203.70	189.75	210.81	—	5.16	5.17	5.06	5.31	—
2037	Frozen fruits and vegetables	171.83	175.10	186.38	203.12	—	4.44	4.56	4.97	4.93	—
204	Grain mill products	253.61	258.86	276.43	278.83	—	5.83	5.91	6.24	6.28	—
2041	Flour and other grain mill products	283.41	293.26	303.94	316.45	—	6.03	6.20	6.68	6.82	—
2048	Prepared feeds, nec	196.23	203.78	224.64	220.88	—	4.65	4.75	4.97	5.02	—
205	Bakery products	220.97	224.36	236.19	237.19	—	5.58	5.68	6.01	6.02	—
2051	Bread, cake, and related products	221.20	223.57	238.94	238.34	—	5.60	5.66	6.08	6.08	—
2052	Cookies and crackers	218.90	226.37	226.58	233.60	—	5.50	5.76	5.78	5.84	—
206	Sugar and confectionery products	211.87	211.60	224.19	226.55	—	5.31	5.33	5.69	5.75	—
2061-3	Cane and beet sugar	255.56	257.68	278.26	287.60	—	6.31	6.41	6.82	6.93	—
2065	Confectionery products	185.73	184.63	197.18	193.04	—	4.75	4.71	5.03	5.08	—
207	Fats and oils	250.80	251.87	270.57	270.76	—	5.70	5.66	6.22	6.21	—
208	Beverages	265.51	265.93	283.46	277.70	—	6.46	6.55	6.88	6.84	—
2082	Malt beverages	366.37	371.06	400.68	386.68	—	8.56	8.69	9.45	9.34	—
2086	Bottled and canned soft drinks	201.23	192.67	217.78	211.15	—	4.92	4.89	5.21	5.15	—
209	Misc. foods and kindred products	177.25	176.15	188.25	192.15	—	4.64	4.66	5.02	5.03	—
21	<b>TOBACCO MANUFACTURES</b>	211.30	215.12	238.20	234.24	232.64	5.59	5.53	6.58	6.28	6.09
211	Cigarettes	260.16	265.59	270.03	280.87	—	6.74	6.81	7.48	7.47	—
22	<b>TEXTILE MILL PRODUCTS</b>	164.43	166.05	173.23	177.83	179.05	4.07	4.10	4.32	4.38	4.41
221	Weaving mills, cotton	172.08	172.89	181.35	185.49	—	4.27	4.29	4.50	4.58	—
222	Weaving mills, synthetics	175.01	177.12	191.86	195.25	—	4.30	4.32	4.59	4.66	—
223	Weaving and finishing mills, wool	167.66	168.80	176.55	181.66	—	4.15	4.22	4.37	4.42	—
224	Narrow fabric mills	146.11	151.84	158.80	162.41	—	3.70	3.74	4.00	4.04	—
225	Knitting mills	146.25	146.64	152.83	157.18	—	3.75	3.77	3.98	4.02	—

See footnotes at end of table.

ESTABLISHMENT DATA  
HOURS AND EARNINGS

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls,  
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 P	Sept. 1978 P	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 P	Sept. 1978 P
<b>TRANSPORTATION EQUIPMENT—Continued</b>											
376	Guided missiles, space vehicles, parts	40.5	41.2	41.6	42.3	—	3.2	3.6	3.9	4.4	—
3761	Guided missiles and space vehicles	40.0	40.8	40.1	40.9	—	3.1	3.3	2.8	3.4	—
379	Miscellaneous transportation equipment	39.2	40.0	39.2	39.6	—	2.3	2.6	2.3	2.4	—
3792	Travel trailers and campers	38.9	39.3	38.3	38.3	—	2.5	2.5	2.4	2.3	—
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	40.4	40.8	40.3	40.6	41.2	2.3	2.6	2.1	2.5	—
381	Engineering and scientific instruments	41.1	42.1	40.9	41.3	—	3.0	3.2	2.9	3.4	—
382	Measuring and controlling devices	40.1	40.5	40.6	40.1	—	2.3	2.6	1.9	2.1	—
3822	Environmental controls	39.3	39.5	39.2	39.6	—	2.3	2.1	1.5	1.9	—
3823	Process control instruments	40.3	41.6	42.1	41.4	—	2.3	3.6	2.6	2.7	—
3825	Instruments to measure electricity	40.4	40.3	41.4	40.1	—	2.0	2.0	1.5	2.0	—
383	Optical instruments and lenses	43.5	44.9	45.3	43.6	—	3.0	4.3	3.4	3.2	—
384	Medical instruments and supplies	39.8	39.7	39.1	39.8	—	2.0	2.1	2.0	2.4	—
3841	Surgical and medical instruments	41.4	40.6	39.5	40.9	—	2.1	1.8	2.1	2.7	—
3842	Surgical appliances and supplies	38.7	39.2	39.1	39.3	—	2.1	2.5	2.0	2.4	—
385	Ophthalmic goods	39.4	39.8	39.0	38.9	—	1.3	1.6	1.4	1.9	—
386	Photographic equipment and supplies	41.9	42.4	40.8	42.7	—	2.8	3.4	2.8	3.3	—
387	Watches, clocks, and watchcases	38.7	39.3	38.7	40.2	—	1.4	1.7	1.4	2.0	—
39	<b>MISCELLANEOUS MANUFACTURING</b>	38.6	39.1	38.4	38.7	39.0	2.1	2.4	1.9	2.3	—
391	Industries	38.8	39.9	37.3	38.7	—	2.4	3.3	1.5	2.3	—
3911	Jewelry, silverware, and plated ware	38.5	39.6	36.3	37.7	—	2.5	3.5	1.3	2.0	—
393	Musical instruments	40.0	39.8	39.6	39.5	—	1.8	1.7	1.3	2.2	—
394	Toys and sporting goods	38.1	38.4	38.0	38.1	—	1.7	1.9	1.5	1.8	—
3942, 4	Dolls, games, toys, and children's vehicles	37.9	38.1	37.9	38.1	—	1.7	1.9	1.2	1.8	—
3949	Sporting and athletic goods, nec	38.3	38.7	38.1	38.0	—	1.7	1.9	1.6	1.7	—
395	Pens, pencils, office and art supplies	40.2	39.8	40.7	39.9	—	2.5	2.5	2.5	2.3	—
396	Costume jewelry and notions	37.0	37.8	36.7	37.1	—	1.6	2.1	1.8	2.3	—
3961	Costume jewelry	36.2	37.2	36.7	36.4	—	1.3	2.1	1.5	1.9	—
399	Miscellaneous manufactures	39.2	39.6	39.2	39.6	—	2.5	2.7	2.4	2.9	—
3993	Signs and advertising displays	39.1	39.0	38.8	39.3	—	2.5	2.8	2.3	2.7	—
<b>NONDURABLE GOODS</b>											
20	<b>FOOD AND KINDRED PRODUCTS</b>	40.5	40.4	40.1	40.4	40.5	4.6	4.7	4.2	4.5	—
201	Meat products	39.8	40.4	39.9	39.8	—	4.0	4.4	4.0	3.9	—
2011	Meat packing plants	41.2	42.0	41.4	40.5	—	4.7	5.1	4.9	4.2	—
2013	Sausages and other prepared meats	39.9	40.6	40.1	39.9	—	3.7	4.1	3.8	3.7	—
2016	Poultry dressing plants	37.8	38.0	37.9	39.0	—	3.3	3.7	3.1	3.8	—
202	Dairy products	42.9	42.9	42.4	41.8	—	4.8	4.8	4.6	4.3	—
2022	Cheese, natural and processed	40.7	41.3	41.4	40.8	—	4.4	4.5	4.1	3.8	—
2026	Fluid milk	44.3	44.4	43.0	42.4	—	5.1	5.3	4.7	4.5	—
203	Preserved fruits and vegetables	40.2	39.5	38.3	40.3	—	5.7	5.4	3.9	5.4	—
2032	Canned specialties	43.3	43.6	39.7	41.9	—	6.0	6.2	3.2	5.6	—
2033	Canned fruits and vegetables	40.2	39.4	37.5	39.7	—	6.4	5.9	4.4	5.8	—
2037	Frozen fruits and vegetables	38.7	38.4	37.5	41.2	—	4.7	4.7	3.2	5.2	—
204	Grain mill products	43.5	43.8	44.3	44.4	—	5.9	6.7	6.5	6.5	—
2041	Flour and other grain mill products	47.0	47.3	45.5	46.4	—	6.6	7.5	6.6	6.9	—
2048	Prepared feeds, nec	42.2	42.9	45.2	44.0	—	5.7	6.4	7.3	6.6	—
205	Bakery products	39.6	39.5	39.3	39.4	—	3.5	3.6	3.6	3.5	—
2051	Bread, cake, and related products	39.5	39.5	39.3	39.2	—	4.0	4.0	4.1	3.8	—
2052	Cookies and crackers	39.8	39.3	39.2	40.0	—	2.2	2.5	1.9	2.5	—
206	Sugar and confectionery products	39.9	39.7	39.4	39.4	—	3.5	3.8	2.5	3.0	—
2061-3	Cane and beet sugar	40.5	40.2	40.8	41.5	—	4.6	4.9	3.9	4.5	—
2065	Confectionery products	39.1	39.2	39.2	38.0	—	2.7	3.1	1.8	2.0	—
207	Fats and oils	44.0	44.5	43.5	43.6	—	5.8	6.3	6.0	6.1	—
208	Beverages	41.1	40.6	41.2	40.6	—	4.8	4.4	5.0	4.3	—
2082	Malt beverages	42.8	42.7	42.4	41.4	—	5.2	5.1	6.0	5.1	—
2086	Bottled and canned soft drinks	40.9	39.4	41.8	41.0	—	5.3	4.1	5.5	4.8	—
209	Misc. foods and kindred products	38.2	37.8	37.5	38.2	—	3.6	3.6	3.7	4.0	—
21	<b>TOBACCO MANUFACTURES</b>	37.8	38.9	36.2	37.3	38.2	2.1	2.2	2.0	1.9	—
211	Cigarettes	38.6	39.0	36.1	37.6	—	2.5	2.3	2.3	2.0	—
22	<b>TEXTILE MILL PRODUCTS</b>	40.4	40.5	40.1	40.6	40.6	3.6	3.7	3.4	3.7	—
221	Weaving mills, cotton	40.3	40.3	40.3	40.5	—	3.8	3.9	3.6	3.7	—
222	Weaving mills, synthetics	40.7	41.0	41.8	41.9	—	3.2	3.5	3.9	4.3	—
223	Weaving and finishing mills, wool	40.4	40.0	40.4	41.1	—	3.4	3.1	3.4	3.6	—
224	Narrow fabric mills	40.3	40.6	39.7	40.2	—	3.1	3.2	2.4	3.1	—
225	Knitting mills	39.0	38.9	38.4	39.1	—	2.8	3.0	2.8	3.0	—

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls,  
by industry—Continued**

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings					
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>b</sup>	Sept. 1978 <sup>b</sup>	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>b</sup>	Sept. 1978 <sup>b</sup>	
<b>TEXTILE MILL PRODUCTS—Continued</b>												
2251	Women's hosiery, except socks	\$131.71	\$133.94	\$146.61	\$155.07	—	\$3.43	\$3.47	\$3.74	\$3.81	—	
2252	Hosiery, nec	136.85	135.55	139.50	144.39	—	3.50	3.53	3.72	3.77	—	
2253	Knit outerwear mills	142.87	141.75	147.31	149.65	—	3.74	3.75	3.96	3.98	—	
2254	Knit underwear mills	131.60	132.40	138.76	143.26	—	3.50	3.54	3.72	3.76	—	
2257	Circular knit fabric mills	162.31	170.51	172.09	181.56	—	4.13	4.21	4.39	4.45	—	
226	Textile finishing, except wool	179.66	183.94	189.57	193.28	—	4.35	4.39	4.59	4.68	—	
2261	Finishing plants, cotton	178.57	186.43	192.10	197.54	—	4.42	4.46	4.64	4.76	—	
2262	Finishing plants, synthetics	195.14	195.08	198.37	202.38	—	4.57	4.59	4.78	4.83	—	
227	Floor covering mills	180.14	180.17	182.86	191.17	—	4.17	4.19	4.46	4.53	—	
228	Yarn and thread mills	156.24	158.21	164.02	167.27	—	3.82	3.84	4.06	4.12	—	
2281	Yarn mills, except wool	158.12	161.32	165.24	167.68	—	3.81	3.85	4.07	4.13	—	
2282	Throwing and winding mills	147.66	148.92	153.98	157.51	—	3.71	3.65	3.84	3.78	—	
229	Miscellaneous textile goods	182.04	184.58	191.02	198.37	—	4.44	4.48	4.74	4.78	—	
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>		129.60	131.01	140.73	141.48	\$143.56	3.61	3.68	3.92	3.93	\$4.01
231	Men's and boys' suits and coats	159.84	160.83	177.18	173.48	—	4.44	4.48	4.75	4.74	—	
232	Men's and boys' furnishings	118.30	119.16	126.38	128.16	—	3.25	3.31	3.54	3.55	—	
2321	Men's and boys' shirts and nightwear	112.68	113.60	125.20	128.31	—	3.13	3.20	3.43	3.44	—	
2327	Men's and boys' separate trousers	117.84	120.05	128.78	127.37	—	3.31	3.43	3.69	3.66	—	
2328	Men's and boys' work clothing	119.31	119.14	124.60	126.71	—	3.91	3.22	3.50	3.51	—	
233	Women's and misses' outerwear	126.20	124.62	135.24	135.93	—	3.69	3.72	3.92	3.94	—	
2331	Women's and misses' blouses and waists	117.31	116.58	124.94	129.54	—	3.43	3.48	3.58	3.68	—	
2335	Women's and misses' dresses	126.21	123.44	135.34	135.47	—	3.79	3.81	4.04	4.02	—	
2337	Women's and misses' suits and coats	137.90	134.79	148.25	145.68	—	4.08	4.06	4.26	4.31	—	
2339	Women's and misses' outerwear, nec	124.24	124.60	132.70	133.81	—	3.49	3.56	3.77	3.78	—	
234	Women's and children's undergarments	120.62	121.44	126.02	131.03	—	3.26	3.30	3.56	3.58	—	
2341	Women's and children's underwear	118.72	119.56	123.90	137.41	—	3.20	3.24	3.50	3.51	—	
2342	Brassieres and allied garments	127.76	128.52	135.99	146.66	—	3.51	3.56	3.82	3.88	—	
236	Children's outerwear	116.44	118.57	130.26	127.08	—	3.28	3.34	3.53	3.53	—	
2361	Children's dresses and blouses	114.54	115.56	130.30	122.84	—	3.32	3.34	3.56	3.53	—	
238	Misc. apparel and accessories	128.83	130.30	140.25	141.35	—	3.52	3.56	3.76	3.81	—	
239	Misc. fabricated textile products	157.82	165.71	173.12	175.49	—	4.11	4.26	4.52	4.57	—	
2391	Curtains and draperies	122.85	124.69	124.83	130.18	—	3.25	3.29	3.42	3.49	—	
2392	House furnishing, nec	136.42	141.96	150.51	149.72	—	3.59	3.64	3.94	3.94	—	
2396	Automotive and apparel trimmings	253.49	275.81	292.13	292.87	—	6.45	6.76	7.34	7.34	—	
26	<b>PAPER AND ALLIED PRODUCTS</b>		258.51	263.95	284.43	282.94	285.95	6.04	6.11	6.63	6.58	6.65
261, 26	Paper and pulp mills	303.46	313.40	345.19	338.70	—	6.85	6.98	7.57	7.51	—	
262	Paper mills, except building paper	302.13	312.75	346.25	339.75	—	6.82	6.95	7.56	7.50	—	
263	Paperboard mills	319.69	321.11	348.87	346.99	—	7.12	7.12	7.77	7.78	—	
264	Misc. converted paper products	222.19	225.35	237.28	241.43	—	5.38	5.43	5.83	5.86	—	
2641	Paper coating and glazing	264.31	267.58	283.57	294.54	—	6.19	6.25	6.61	6.74	—	
2642	Envelopes	202.19	203.31	217.46	217.08	—	4.98	5.07	5.45	5.40	—	
2643	Bags, except textile bags	217.36	215.66	232.40	235.75	—	5.20	5.26	5.60	5.64	—	
265	Paperboard containers and boxes	227.10	232.48	248.12	252.28	—	5.42	5.47	5.95	5.95	—	
2651	Folding paperboard boxes	235.20	240.41	267.65	262.84	—	5.60	5.67	6.21	6.17	—	
2653	Corrugated and solid fiber boxes	241.82	249.53	258.74	268.51	—	5.65	5.71	6.19	6.23	—	
2654	Sanitary food containers	218.60	214.76	227.98	231.15	—	5.18	5.20	5.52	5.53	—	
27	<b>PRINTING AND PUBLISHING</b>		232.47	237.60	242.63	245.70	248.25	6.15	6.22	6.47	6.50	6.55
271	Newspapers	224.67	228.39	235.28	235.98	—	6.55	6.62	6.92	6.88	—	
272	Periodicals	227.33	228.98	223.88	221.95	—	6.03	6.09	5.80	5.75	—	
273	Books	220.05	227.29	226.12	236.33	—	5.42	5.49	5.71	5.75	—	
2731	Book publishing	213.99	217.76	223.58	230.87	—	5.31	5.39	5.44	5.51	—	
2732	Book printing	225.77	235.48	228.38	241.80	—	5.52	5.58	6.01	6.00	—	
274	Miscellaneous publishing	216.67	211.42	205.98	211.39	—	5.57	5.52	5.69	5.76	—	
275	Commercial printing	246.24	253.59	256.90	261.80	—	6.33	6.42	6.69	6.73	—	
2751	Commercial printing, letterpress	231.64	240.37	240.79	246.13	—	5.97	6.07	6.32	6.36	—	
2752	Commercial printing, lithographic	255.18	261.35	266.04	271.05	—	6.56	6.65	6.91	6.95	—	
276	Manifold business forms	231.90	235.65	252.34	253.38	—	5.74	5.79	6.11	6.15	—	
278	Blankbooks and bookbinding	182.83	185.33	189.91	195.39	—	4.70	4.74	4.92	5.01	—	
279	Printing trade services	302.64	306.87	321.92	327.25	—	7.80	7.95	8.34	8.50	—	
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>		269.98	274.21	293.57	292.45	296.78	6.49	6.56	7.04	7.03	7.10
281	Industrial inorganic chemicals	296.49	301.44	326.06	324.10	—	7.11	7.16	7.69	7.68	—	
2819	Industrial inorganic chemicals, nec	292.82	299.59	319.90	317.95	—	7.09	7.15	7.69	7.68	—	
282	Plastics materials and synthetics	266.27	268.32	292.29	292.45	—	6.37	6.45	6.91	6.93	—	
2821	Plastics materials and resins	301.63	301.27	325.18	327.89	—	6.95	6.99	7.58	7.59	—	
2824	Organic fibers, noncellulosic	238.10	243.79	269.00	268.51	—	5.85	5.99	6.42	6.47	—	
283	Drugs	243.19	248.24	261.35	264.27	—	5.99	6.04	6.39	6.43	—	
2834	Pharmaceutical preparations	231.26	237.01	253.43	256.37	—	5.84	5.94	6.32	6.33	—	

See footnotes at end of table.

ESTABLISHMENT DATA  
HOURS AND EARNINGS

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls,  
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 P	Sept. 1978 P	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 P	Sept. 1978 P
<b>TEXTILE MILL PRODUCTS—Continued</b>											
2251	Women's hosiery, except socks .....	38.4	38.6	39.2	40.7	—	2.1	2.2	3.1	3.3	—
2252	Hosiery, nec .....	39.1	38.4	37.5	38.3	—	2.7	2.6	2.1	2.3	—
2253	Knit outerwear mills .....	38.2	37.8	37.2	37.6	—	2.7	2.7	2.2	2.3	—
2254	Knit underwear mills .....	37.6	37.4	37.3	38.1	—	1.8	1.8	1.7	1.8	—
2257	Circular knit fabric mills .....	39.3	40.5	39.2	40.8	—	3.3	4.3	4.4	5.0	—
226	Textile finishing, except wool .....	41.3	41.9	41.3	41.3	—	4.3	4.6	3.3	4.0	—
2261	Finishing plants, cotton .....	40.4	41.8	41.4	41.5	—	3.8	4.7	3.8	4.2	—
2262	Finishing plants, synthetics .....	42.7	42.5	41.5	41.9	—	5.4	5.0	3.3	4.2	—
227	Floor covering mills .....	43.2	43.0	41.0	42.2	—	5.1	5.0	4.1	4.8	—
228	Yarn and thread mills .....	40.9	41.2	40.4	40.6	—	3.7	3.8	3.7	3.7	—
2281	Yarn mills, except wool .....	41.5	41.9	40.6	40.6	—	3.9	4.3	3.9	3.7	—
2282	Throwing and winding mills .....	39.8	40.8	40.1	40.7	—	3.6	3.5	2.9	3.8	—
229	Miscellaneous textile goods .....	41.0	41.2	40.3	41.5	—	4.1	4.3	3.4	4.0	—
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b> .....										
231	Men's and boys' suits and coats .....	35.9	35.6	35.9	36.0	35.8	1.3	1.4	1.1	1.3	—
232	Men's and boys' furnishings .....	36.0	35.9	37.3	36.6	—	.7	.9	.7	.9	—
2321	Men's and boys' shirts and nightwear .....	36.4	36.0	35.7	36.1	—	1.2	1.2	.7	1.0	—
2327	Men's and boys' separate trousers .....	36.0	35.5	36.5	37.3	—	1.1	1.0	.7	1.2	—
2328	Men's and boys' work clothing .....	35.6	35.0	34.9	34.8	—	1.0	1.3	.7	.9	—
233	Women's and misses' outerwear .....	37.4	37.0	35.6	36.1	—	1.3	1.2	.6	.8	—
2331	Women's and misses' blouses and waists .....	34.2	33.5	34.5	34.5	—	1.3	1.2	1.2	1.3	—
2335	Women's and misses' dresses .....	33.3	32.4	33.5	33.7	—	1.2	1.0	1.4	1.2	—
2337	Women's and misses' suits and coats .....	33.8	33.2	34.8	33.8	—	1.4	1.4	1.4	1.2	—
2339	Women's and misses' outerwear, nec .....	35.6	35.0	35.2	35.4	—	1.5	1.4	1.2	1.4	—
234	Women's and children's undergarments .....	37.0	36.8	35.4	36.6	—	1.4	1.4	.9	1.1	—
2341	Women's and children's underwear .....	37.1	36.9	35.4	36.3	—	1.4	1.4	1.0	1.1	—
2342	Brassieres and allied garments .....	36.4	36.1	35.6	37.8	—	1.2	1.2	.5	1.0	—
236	Children's outerwear .....	35.5	35.5	36.9	36.0	—	1.8	1.5	1.5	1.5	—
2361	Children's dresses and blouses .....	34.5	34.6	36.6	34.8	—	1.1	1.2	2.2	1.5	—
238	Misc. apparel and accessories .....	36.6	36.6	37.3	37.1	—	1.2	1.8	1.0	1.4	—
239	Misc. fabricated textile products .....	38.4	38.9	38.3	38.4	—	2.1	2.7	2.0	2.3	—
2391	Curtains and draperies .....	37.8	37.9	36.5	37.3	—	1.7	2.2	1.2	1.5	—
2392	House furnishings, nec .....	38.0	39.0	38.2	38.0	—	1.8	2.4	1.3	1.7	—
2396	Automotive and apparel trimmings .....	39.3	40.8	39.8	39.9	—	2.6	4.4	3.6	3.3	—
26	<b>PAPER AND ALLIED PRODUCTS</b> .....										
261, 2, 6	Paper and pulp mills .....	42.8	43.2	42.9	43.0	43.0	5.0	5.2	5.2	5.2	—
262	Paper mills, except building paper .....	44.3	44.9	45.6	45.1	—	6.2	6.6	7.0	6.8	—
263	Paperboard mills .....	44.3	45.0	45.8	45.3	—	6.3	6.5	7.1	6.9	—
264	Misc. converted paper products .....	44.9	45.1	44.9	44.6	—	7.1	7.1	7.7	7.3	—
2641	Paper coating and glazing .....	41.3	41.5	40.7	41.2	—	3.8	3.8	3.6	3.8	—
2642	Envelopes .....	42.7	42.8	42.9	43.7	—	4.9	5.1	5.0	5.6	—
2643	Bags, except textile bags .....	40.6	40.1	39.9	40.2	—	2.8	3.1	2.9	3.4	—
265	Paperboard containers and boxes .....	41.8	41.0	41.5	41.8	—	3.8	3.8	3.6	3.7	—
2651	Folding paperboard boxes .....	41.9	42.5	41.7	42.4	—	4.1	4.3	4.1	4.5	—
2653	Corrugated and solid fiber boxes .....	42.0	42.4	43.1	42.6	—	4.1	4.3	5.2	4.6	—
2654	Sanitary food containers .....	42.8	43.7	41.8	43.1	—	4.5	5.1	4.4	5.0	—
2654	42.2	41.3	41.3	41.8	—	4.3	3.4	3.9	4.0	—	
27	<b>PRINTING AND PUBLISHING</b> .....										
271	Newspapers .....	37.8	38.2	37.5	37.8	37.9	3.0	3.4	2.9	3.3	—
272	Periodicals .....	34.3	34.5	34.0	34.3	—	1.7	2.0	2.1	2.3	—
273	Books .....	37.7	37.6	38.6	38.6	—	4.0	3.0	2.5	2.6	—
2731	Book publishing .....	40.6	41.4	39.6	41.1	—	4.4	4.6	3.7	4.4	—
2732	Book printing .....	40.3	40.4	41.1	41.9	—	3.8	3.5	3.4	3.3	—
274	Miscellaneous publishing .....	40.9	42.2	38.0	40.3	—	5.0	5.6	4.0	5.4	—
275	Commercial printing .....	38.9	38.3	36.2	36.7	—	2.8	2.9	1.9	2.1	—
2751	Commercial printing, letterpress .....	38.9	39.5	38.4	38.9	—	3.5	4.0	3.3	3.8	—
2752	Commercial printing, lithographic .....	38.8	39.6	38.1	38.7	—	3.2	3.8	3.0	3.4	—
276	Manifold business forms .....	38.9	39.1	38.6	39.0	—	3.6	4.2	3.4	3.9	—
278	Blankbooks and bookbinding .....	38.9	39.1	38.6	39.0	—	2.5	2.7	2.3	2.5	—
279	Printing trade service .....	38.8	38.6	38.6	38.5	—	3.8	3.7	3.2	3.9	—
28	<b>CHEMICALS AND ALLIED PRODUCTS</b> .....										
281	Industrial inorganic chemicals .....	41.6	41.8	41.7	41.6	41.8	3.4	3.6	3.5	3.4	—
2819	Industrial inorganic chemicals, nec .....	41.7	42.1	42.4	42.2	—	3.8	4.2	4.1	3.3	—
282	Plastics materials and synthetics .....	41.3	41.9	41.6	41.4	—	3.7	4.1	3.6	3.4	—
2821	Plastics materials and resins .....	41.8	41.6	42.3	42.2	—	3.2	3.2	3.5	3.3	—
2824	Organic fibers, noncellulosic .....	43.4	43.1	42.9	43.2	—	4.6	4.8	4.6	4.6	—
283	Drugs .....	40.7	40.7	41.9	41.5	—	2.3	2.2	2.6	2.5	—
2834	Pharmaceutical preparations .....	40.6	41.1	40.9	41.1	—	2.8	2.8	2.6	2.6	—
		39.6	39.9	40.1	40.5	—	2.7	2.6	2.5	2.5	—

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls,  
by industry—Continued**

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>b</sup>	Sept. 1978 <sup>b</sup>	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>b</sup>	Sept. 1978 <sup>b</sup>
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
284	Soap, cleaners, and toilet goods .....	\$251.52	\$254.82	\$267.07	\$266.93	—	\$6.09	\$6.20	\$6.66	\$6.64	—
2841	Soap and other detergents .....	343.92	345.29	372.82	377.98	—	7.87	8.03	8.65	8.61	—
2842, 3	Polishing, sanitation, and finishing preparations .....	220.58	224.81	237.79	244.82	—	5.46	5.51	5.93	6.03	—
2844	Toilet preparations .....	200.00	206.00	209.38	206.42	—	5.00	5.15	5.51	5.49	—
285	Paints and allied products .....	243.95	250.02	261.43	260.62	—	5.95	6.01	6.33	6.28	—
286	Industrial organic chemicals .....	317.15	324.75	350.68	344.00	—	7.48	7.57	8.31	8.21	—
2865	Cyclic crudes and intermediates .....	293.01	304.40	306.68	311.50	—	6.38	7.03	7.48	7.47	—
2861, 3	Gum, wood, and industrial organic chemicals, nec .....	324.94	330.93	365.93	355.74	—	7.70	7.75	8.59	8.47	—
287	Agricultural chemicals .....	264.12	266.27	287.64	286.86	—	6.20	6.28	6.80	6.83	—
289	Miscellaneous chemical products .....	253.54	256.85	269.21	271.00	—	6.08	6.13	6.55	6.53	—
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	332.35	340.42	380.95	376.24	\$382.33	7.82	7.88	8.58	8.59	\$8.65
291	Petroleum refining .....	355.73	365.09	405.48	399.32	—	8.49	8.55	9.30	9.33	—
295	Paving and roofing materials .....	273.91	279.23	324.09	326.80	—	6.02	6.11	6.71	6.78	—
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b> .....	211.34	213.61	223.71	226.18	231.43	5.18	5.21	5.51	5.53	5.59
301	Tires and inner tubes .....	315.08	312.74	336.69	346.62	—	7.26	7.29	7.83	7.95	—
302	Rubber and plastics footwear .....	133.94	139.71	136.89	138.00	—	3.62	3.61	3.73	3.75	—
303, 4	Reclaimed rubber, and rubber and plastics hose and belting .....	213.56	222.19	230.36	236.29	—	5.26	5.38	5.66	5.66	—
306	Fabricated rubber products, nec .....	195.69	201.87	210.27	211.85	—	4.88	4.96	5.27	5.27	—
307	Miscellaneous plastics products .....	189.48	193.33	203.21	204.12	—	4.69	4.75	5.03	5.04	—
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	133.55	134.32	145.88	145.88	146.17	3.59	3.64	3.89	3.89	3.94
311	Leather tanning and finishing .....	189.54	194.64	202.52	197.12	—	4.68	4.94	5.14	5.12	—
314	Footwear, except rubber .....	127.65	128.45	139.50	140.63	—	3.45	3.50	3.73	3.75	—
3143	Men's footwear, except athletic .....	135.64	136.76	144.35	147.80	—	3.56	3.58	3.87	3.91	—
3144	Women's footwear, except athletic .....	120.69	120.06	136.84	136.84	—	3.36	3.44	3.62	3.62	—
316	Luggage .....	135.24	133.95	156.29	149.58	149.58	3.65	3.69	3.19	4.19	—
317	Handbags and personal leather goods .....	130.50	130.53	138.76	138.38	—	3.48	3.49	3.72	3.71	—
	<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	283.01	284.89	301.20	305.07	305.16	7.04	7.14	7.53	5.57	7.61
	<b>RAILROAD TRANSPORTATION:</b>										
4011	Class I railroads <sup>2</sup> .....	327.87	331.25	326.34	344.51	—	7.52	7.58	7.77	7.69	—
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b> .....	201.70	178.70	216.75	213.81	—	5.35	5.21	5.89	5.81	—
411	Local and suburban transportation .....	269.03	260.53	283.39	287.29	—	6.33	6.37	6.98	6.99	—
413	Intercity highway transportation .....	300.66	284.60	323.11	301.27	—	7.67	7.63	8.18	7.97	—
42	<b>TRUCKING AND WAREHOUSING</b> .....	293.66	294.76	316.31	317.90	—	7.18	7.26	7.81	7.83	—
421, 3	Trucking and trucking terminals .....	299.30	301.51	323.18	325.19	—	7.30	7.39	7.96	7.99	—
422	Public warehousing .....	204.86	201.74	216.28	216.15	—	5.28	5.24	5.56	5.50	—
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b> .....	334.94	332.52	362.25	358.52	—	8.11	8.15	8.75	8.66	—
48	<b>COMMUNICATION</b> .....	265.07	274.28	286.00	292.80	—	6.66	6.84	7.15	7.32	—
481	Telephone communication .....	272.56	283.91	294.52	302.94	—	6.78	7.01	7.29	7.48	—
4817	Switchboard operating employees <sup>3</sup> .....	205.56	207.68	217.20	212.86	—	5.71	5.85	6.05	6.03	—
4818	Line construction employees <sup>4</sup> .....	361.09	382.72	395.14	405.44	—	8.06	8.43	8.82	8.97	—
483	Radio and television broadcasting .....	223.40	227.08	249.45	249.95	—	5.91	5.96	6.53	6.63	—
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b> .....	292.93	297.88	318.24	317.41	—	7.11	7.23	7.65	7.63	—
491	Electric services .....	297.02	301.91	325.43	323.11	—	7.14	7.24	7.73	7.73	—
492	Gas production and distribution .....	266.90	272.97	286.34	288.56	—	6.59	6.74	7.07	7.09	—
493	Combination utility services .....	325.16	328.05	352.78	350.70	—	7.95	8.08	8.46	8.39	—
495	Sanitary services .....	246.10	250.27	265.59	267.22	—	5.71	5.78	6.22	6.20	—
	<b>WHOLESALE AND RETAIL TRADE</b> .....	145.18	144.09	157.04	156.11	154.34	4.27	4.34	4.66	4.66	4.72
50, 51	<b>WHOLESALE TRADE</b> .....	210.45	212.24	230.49	230.49	231.43	5.41	5.47	5.91	5.91	5.98
50	<b>WHOLESALE TRADE-DURABLE GOODS</b> .....	213.55	215.76	234.04	234.04	—	5.42	5.49	5.91	5.91	—
501	Motor vehicles and automotive equipment .....	193.65	194.66	215.83	215.76	—	4.94	5.03	5.52	5.49	—
502	Furniture and home furnishings .....	182.63	186.50	202.69	202.54	—	4.87	4.96	5.32	5.33	—
503	Lumber and construction materials .....	217.40	218.74	235.82	239.60	—	5.49	5.58	5.94	5.99	—
504	Sporting goods, toys, and hobby goods .....	218.30	220.60	225.82	226.70	—	5.67	5.79	5.99	5.95	—

See footnotes at end of table.

ESTABLISHMENT DATA  
HOURS AND EARNINGS

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls,  
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>b</sup>	Sept. 1978 <sup>b</sup>	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>b</sup>	Sept. 1978 <sup>b</sup>
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
284	Soap, cleaners, and toilet goods .....	41.3	41.1	40.1	40.2	—	3.0	3.5	2.8	3.3	
2841	Soap and other detergents .....	43.7	43.0	43.1	43.9	—	5.3	5.4	4.8	5.6	
2842, 3	Polishing, sanitation, and finishing preparations .....	40.4	40.8	40.1	40.6	—	2.6	3.2	2.5	3.3	
2844	Toilet preparations .....	40.0	40.0	38.0	37.6	—	1.6	2.4	1.6	1.7	
285	Paints and allied products .....	41.0	41.6	41.3	41.5	—	3.3	3.9	3.6	3.5	
286	Industrial organic chemicals .....	42.4	42.9	42.2	41.9	—	3.6	3.8	4.0	3.5	
2865	Cyclic crudes and intermediates .....	42.9	43.3	41.0	41.7	—	4.0	4.3	3.4	3.4	
2861, 9	Gum, wood, and industrial organic chemicals, nec .....	42.2	42.7	42.6	42.0	—	3.5	3.7	4.2	3.6	
287	Agricultural chemicals .....	42.6	42.4	42.3	42.0	—	5.2	5.0	4.5	4.4	
289	Miscellaneous chemical products .....	41.7	41.9	41.1	41.5	—	3.4	3.7	3.5	3.4	
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	42.5	43.2	44.4	43.8	44.2	4.0	4.4	4.5	4.3	
291	Petroleum refining .....	41.9	42.7	43.6	42.8	—	3.2	3.6	3.4	3.1	
296	Paving and roofing materials .....	45.5	45.7	48.3	48.2	—	7.3	7.7	9.0	9.0	
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b> .....	40.8	41.0	40.6	40.9	41.4	3.5	3.8	3.5	3.7	
301	Tires and inner tubes .....	43.4	42.9	43.0	43.6	—	5.1	4.8	5.0	5.5	
302	Rubber and plastics footwear .....	37.0	38.7	36.7	36.8	—	1.6	2.1	1.5	2.1	
303, 4	Reclaimed rubber, and rubber and plastics hose and belting .....	40.6	41.3	40.7	42.1	—	3.9	4.5	4.4	4.5	
306	Fabricated rubber products, nec .....	40.1	40.7	39.9	40.2	—	3.0	3.2	3.0	3.2	
307	Miscellaneous plastics products .....	40.4	40.7	40.4	40.5	—	3.3	3.7	3.3	3.4	
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	37.2	36.9	37.5	37.5	37.1	1.9	1.9	1.6	1.7	
311	Leather tanning and finishing .....	39.0	39.4	39.4	38.5	—	2.9	3.1	2.7	2.5	
314	Footwear, except rubber .....	37.0	36.7	37.4	37.5	—	1.8	1.7	1.4	1.7	
3143	Men's footwear, except athletic .....	38.1	38.2	37.3	37.8	—	2.0	2.0	1.4	1.7	
3144	Women's footwear, except athletic .....	36.0	34.9	37.8	37.8	—	1.7	1.4	1.8	2.1	
316	Luggage .....	37.1	36.3	37.3	35.7	—	1.9	1.7	1.9	1.3	
317	Handbags and personal leather goods .....	37.5	37.4	37.3	37.3	—	2.2	2.4	1.8	1.7	
—	<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	40.2	39.9	40.0	40.3	40.1					
	<b>RAILROAD TRANSPORTATION:</b>										
4011	Class I railroads <sup>2</sup> .....	43.6	43.7	42.0	44.8						
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b> .....	37.7	34.3	36.8	36.8						
411	Local and suburban transportation .....	42.5	40.9	40.6	41.1						
413	Intercity highway transportation .....	39.2	37.3	39.5	37.8						
42	<b>TRUCKING AND WAREHOUSING</b> .....	40.9	40.6	40.5	40.6	—					
421, 3	Trucking and trucking terminals .....	41.0	40.8	40.6	40.7	—					
422	Public warehousing .....	38.8	38.5	38.9	39.3	—					
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b> .....	41.3	40.8	41.4	41.4						
48	<b>COMMUNICATION</b> .....	39.8	40.1	40.0	40.0	—					
481	Telephone communication .....	40.2	40.5	40.4	40.5	—					
4817	Switchboard operating employees <sup>3</sup> .....	36.0	35.5	35.9	35.3	—					
4818	Line construction employees <sup>4</sup> .....	44.8	45.4	44.8	45.2	—					
483	Radio and television broadcasting .....	37.8	38.1	38.2	37.7	—					
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b> .....	41.2	41.2	41.6	41.6	—					
491	Electric services .....	41.6	41.7	42.1	41.8	—					
492	Gas production and distribution .....	40.5	40.5	40.5	40.7	—					
493	Combination utility services .....	40.9	40.6	41.7	41.8	—					
495	Sanitary services .....	43.1	43.3	42.7	43.1	—					
—	<b>WHOLESALE AND RETAIL TRADE</b> .....	34.0	33.2	33.7	33.5	32.7					
50, 51	<b>WHOLESALE TRADE</b> .....	38.9	38.8	39.0	39.0	38.7					
50	<b>WHOLESALE TRADE-DURABLE GOODS</b> .....	39.4	39.3	39.6	39.6	—					
501	Motor vehicles and automotive equipment .....	39.2	38.7	39.1	39.3	—					
502	Furniture and home furnishings .....	37.5	37.6	38.1	38.0	—					
503	Lumber and construction materials .....	39.6	39.2	39.7	40.0	—					
504	Sporting goods, toys, and hobby goods .....	38.5	38.1	37.7	38.1	—					

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls,  
by industry—Continued**

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978P	Sept. 1978P	Aug. 1977	Sept. 1977	July 1978	Aug. 1978P	Sept. 1978P
<b>WHOLESALE TRADE-DURABLE GOODS—Continued</b>											
505	Metals and minerals, except petroleum .....	\$ 250.00	\$ 253.26	\$ 263.82	\$ 266.34	—	\$ 6.25	\$ 6.30	\$ 6.73	\$ 6.76	—
508	Electrical goods .....	208.79	215.00	235.22	234.81	—	5.48	5.57	5.97	5.99	—
507	Hardware, plumbing, and heating equipment .....	206.56	210.36	218.68	219.82	—	5.31	5.38	5.68	5.68	—
508	Machinery, equipment, and supplies .....	226.89	228.57	249.27	247.63	—	5.63	5.70	6.17	6.16	—
509	Miscellaneous durable goods .....	180.86	181.16	196.67	198.58	—	4.71	4.73	5.03	5.04	—
<b>WHOLESALE TRADE-NONDURABLE GOODS</b> .....											
51	Paper and paper products .....	205.90	208.19	226.74	225.17	—	5.39	5.45	5.92	5.91	—
511	Drugs, proprietaries, and sundries .....	222.65	225.57	253.27	252.17	—	6.10	6.18	6.92	6.89	—
512	Apparel, piece goods, and notions .....	215.81	220.95	234.08	230.89	—	5.62	5.68	6.16	6.06	—
513	Groceries and related products .....	176.93	178.06	196.20	196.01	—	4.97	5.03	5.39	5.37	—
514	Chemicals and allied products .....	210.76	213.46	231.07	230.78	—	5.46	5.53	5.94	6.01	—
516	Petroleum and petroleum products .....	229.42	233.70	259.50	256.89	—	5.99	6.15	6.62	6.57	—
517	Beer, wine, and distilled beverages .....	243.10	242.58	275.42	273.24	—	6.17	6.22	6.92	6.90	—
518	Miscellaneous nondurable goods .....	243.97	245.24	265.79	264.16	—	6.37	6.42	7.05	6.97	—
519	—	171.58	173.81	182.95	181.61	—	4.48	4.55	4.84	4.83	—
52-59	<b>RETAIL TRADE</b> .....	124.74	122.85	134.08	132.92	\$ 130.71	3.85	3.90	4.19	4.18	\$ 4.23
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b> .....										
521	Lumber and other building materials .....	168.30	167.45	181.58	182.44	—	4.36	4.43	4.68	4.69	—
525	Hardware stores .....	188.90	187.73	202.13	203.86	—	4.63	4.67	4.93	4.96	—
53	<b>GENERAL MERCHANTISE STORES</b> .....										
531	Department stores .....	115.50	113.48	123.62	122.40	—	3.75	3.77	4.08	4.08	—
533	Variety stores .....	121.04	118.99	128.90	127.50	—	3.93	3.94	4.24	4.25	—
539	Misc. general merchandise stores .....	90.00	89.69	101.14	98.70	—	2.99	3.03	3.44	3.38	—
53	95.34	93.31	99.20	98.88	—	2.97	3.01	3.20	3.20	—	
54	<b>FOOD STORES</b> .....										
541	Grocery stores .....	160.41	158.60	174.16	171.93	—	4.76	4.85	5.23	5.21	—
546	Retail bakeries .....	166.75	165.17	180.97	178.49	—	4.89	4.99	5.37	5.36	—
55	110.11	107.68	121.30	118.86	—	3.61	3.65	3.99	3.91	—	
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b> .....										
551, 2	New and used car dealers .....	173.12	171.91	189.00	187.11	—	4.52	4.56	5.00	4.95	—
553	Auto and home supply stores .....	214.27	211.69	233.47	230.18	—	5.48	5.47	6.08	6.01	—
554	Gasoline service stations .....	174.60	173.42	188.78	186.75	—	4.07	4.09	4.56	4.50	—
55	121.36	121.45	131.02	129.95	—	3.39	3.48	3.67	3.64	—	
56	<b>APPAREL AND ACCESSORY STORES</b> .....										
561	Men's and boys' clothing and furnishings .....	104.96	104.25	113.65	112.18	—	3.43	3.51	3.69	3.69	—
562	Women's ready-to-wear stores .....	129.30	127.59	139.73	136.92	—	3.93	3.95	4.26	4.20	—
565	Family clothing stores .....	93.49	92.38	101.23	98.55	—	3.18	3.23	3.42	3.41	—
566	Shoe stores .....	98.56	96.55	112.54	109.82	—	3.20	3.24	3.55	3.52	—
57	113.83	116.70	118.86	120.38	—	3.66	3.89	3.91	3.96	—	
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b> .....										
571	Furniture and home furnishings .....	158.42	158.30	171.11	172.20	—	4.45	4.51	4.82	4.81	—
572	Household appliance stores .....	164.12	164.50	175.30	176.29	—	4.61	4.66	4.98	4.98	—
573	Radio, television, and music stores .....	171.70	168.26	181.17	186.00	—	4.73	4.70	4.95	4.96	—
58	134.85	133.96	152.57	150.94	—	3.82	3.94	4.31	4.24	—	
58	<b>EATING AND DRINKING PLACES<sup>5</sup></b> .....										
59	84.39	81.72	90.60	90.28	—	2.91	2.95	3.19	3.19	—	
59	<b>MISCELLANEOUS RETAIL</b> .....										
591	Drug stores and proprietary stores .....	126.11	124.80	134.97	134.97	—	3.81	3.84	4.09	4.09	—
594	Miscellaneous shopping goods stores .....	114.50	113.28	123.84	123.20	—	3.67	3.69	3.87	3.85	—
596	Nonstore retailers .....	113.75	112.25	122.47	122.53	—	3.50	3.53	3.78	3.77	—
598	Fuel and ice dealers .....	157.68	155.32	164.95	168.13	—	4.38	4.40	4.74	4.79	—
599	Retail stores, nec .....	189.05	192.17	198.78	197.93	—	4.86	4.94	5.19	5.25	—
59	122.15	120.26	135.38	135.05	—	3.77	3.77	4.14	4.13	—	
—	<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....										
60	165.71	166.25	180.93	178.97	179.82	4.54	4.58	4.93	4.89	4.94	
602	BANKING .....	144.26	144.54	156.14	154.51	—	3.92	3.96	4.22	4.21	—
61	Commercial and stock savings banks .....	141.68	141.62	152.81	150.79	—	3.85	3.88	4.13	4.12	—
612	CREDIT AGENCIES OTHER THAN BANKS .....	152.52	152.40	165.31	162.73	—	4.10	4.13	4.48	4.41	—
614	Savings and loan associations .....	144.91	144.47	157.81	153.97	—	3.97	3.98	4.30	4.23	—
614	Personal credit institutions .....	149.71	150.00	162.43	160.27	—	3.95	4.00	4.39	4.32	—
63	INSURANCE CARRIERS .....	183.14	183.77	195.45	195.45	—	4.91	4.94	5.24	5.24	—
631	Life insurance .....	182.90	183.50	194.09	194.25	—	4.97	5.00	5.26	5.25	—
632	Medical service and health insurance .....	176.90	177.47	188.36	186.47	—	4.68	4.72	4.97	4.92	—
633	Fire, marine, and casualty insurance .....	185.25	185.38	198.44	198.65	—	4.94	4.97	5.32	5.34	—

See footnotes at end of table.

ESTABLISHMENT DATA  
HOURS AND EARNINGS

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls,  
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>p</sup>	Sept. 1978 <sup>p</sup>	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>p</sup>	Sept. 1978 <sup>p</sup>
<b>WHOLESALE TRADE-DURABLE GOODS—Continued</b>											
505	Metals and minerals, except petroleum .....	40.0	40.2	39.2	39.4	—	—	—	—	—	—
506	Electrical goods .....	38.1	38.6	39.4	39.2	—	—	—	—	—	—
507	Hardware, plumbing, and heating equipment .....	38.9	39.1	38.5	38.7	—	—	—	—	—	—
508	Machinery, equipment, and supplies .....	40.3	40.1	40.4	40.2	—	—	—	—	—	—
509	Miscellaneous durable goods .....	38.4	38.3	39.1	39.4	—	—	—	—	—	—
51	<b>WHOLESALE TRADE-NONDURABLE GOODS ..</b>	<b>38.2</b>	<b>38.2</b>	<b>38.3</b>	<b>38.1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
511	Paper and paper products .....	36.5	36.5	36.6	36.6	—	—	—	—	—	—
512	Drugs, proprietaries, and sundries .....	38.4	38.9	38.0	38.1	—	—	—	—	—	—
513	Apparel, piece goods, and notions .....	35.6	35.4	36.4	36.5	—	—	—	—	—	—
514	Groceries and related products .....	38.6	38.6	38.9	38.4	—	—	—	—	—	—
516	Chemicals and allied products .....	38.3	38.0	39.2	39.1	—	—	—	—	—	—
517	Petroleum and petroleum products .....	39.4	39.0	39.8	39.6	—	—	—	—	—	—
518	Beer, wine, and distilled beverages .....	38.3	38.2	37.7	37.9	—	—	—	—	—	—
519	Miscellaneous nondurable goods .....	38.3	38.2	37.8	37.6	—	—	—	—	—	—
52-59	<b>RETAIL TRADE .....</b>	<b>32.4</b>	<b>31.5</b>	<b>32.0</b>	<b>31.8</b>	<b>30.9</b>					
52	<b>BUILDING MATERIALS AND GARDEN</b>										
	<b>SUPPLIES .....</b>	<b>38.6</b>	<b>37.8</b>	<b>38.8</b>	<b>38.9</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
521	Lumber and other building materials .....	40.8	40.2	41.0	41.1	—	—	—	—	—	—
525	Hardware stores .....	36.3	35.5	35.5	35.5	—	—	—	—	—	—
53	<b>GENERAL MERCHANDISE STORES .....</b>	<b>30.8</b>	<b>30.1</b>	<b>30.3</b>	<b>30.0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
531	Department stores .....	30.8	30.2	30.4	30.0	—	—	—	—	—	—
533	Variety stores .....	30.1	29.6	29.4	29.2	—	—	—	—	—	—
539	Misc. general merchandise stores .....	32.1	31.0	31.0	30.9	—	—	—	—	—	—
54	<b>FOOD STORES .....</b>	<b>33.7</b>	<b>32.7</b>	<b>33.3</b>	<b>33.0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
541	Grocery stores .....	34.1	33.1	33.7	33.3	—	—	—	—	—	—
546	Retail bakeries .....	30.5	29.5	30.4	30.4	—	—	—	—	—	—
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS .....</b>	<b>38.3</b>	<b>37.7</b>	<b>37.8</b>	<b>37.8</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
551, 2	New and used car dealers .....	39.1	38.7	38.4	38.3	—	—	—	—	—	—
553	Auto and home supply stores .....	42.9	42.4	41.4	41.5	—	—	—	—	—	—
554	Gasoline service stations .....	35.8	34.9	35.7	35.7	—	—	—	—	—	—
56	<b>APPAREL AND ACCESSORY STORES .....</b>	<b>30.6</b>	<b>29.7</b>	<b>30.8</b>	<b>30.4</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
561	Men's and boys' clothing and furnishings .....	32.9	32.3	32.8	32.6	—	—	—	—	—	—
562	Women's ready-to-wear stores .....	29.4	28.6	29.6	28.9	—	—	—	—	—	—
565	Family clothing stores .....	30.8	29.8	31.7	31.2	—	—	—	—	—	—
566	Shoe stores .....	31.1	30.0	30.4	30.4	—	—	—	—	—	—
57	<b>FURNITURE AND HOME FURNISHINGS STORES .....</b>	<b>35.6</b>	<b>35.1</b>	<b>35.5</b>	<b>35.8</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
571	Furniture and home furnishings .....	35.6	35.3	35.2	35.4	—	—	—	—	—	—
572	Household appliance stores .....	36.3	35.8	36.6	37.5	—	—	—	—	—	—
573	Radio, television, and music stores .....	35.3	34.0	35.4	35.6	—	—	—	—	—	—
58	<b>EATING AND DRINKING PLACES<sup>5</sup> .....</b>	<b>29.0</b>	<b>27.7</b>	<b>28.4</b>	<b>28.3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
59	<b>MISCELLANEOUS RETAIL</b>	<b>33.1</b>	<b>32.5</b>	<b>33.0</b>	<b>33.0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
591	Drug stores and proprietary stores .....	31.2	30.7	32.0	32.0	—	—	—	—	—	—
594	Miscellaneous shopping goods stores .....	32.5	31.8	32.4	32.5	—	—	—	—	—	—
596	Nonstore retailers .....	36.0	35.3	34.8	35.1	—	—	—	—	—	—
598	Fuel and ice dealers .....	38.9	38.9	38.3	37.7	—	—	—	—	—	—
599	Retail stores, nec .....	32.4	31.9	32.7	32.7	—	—	—	—	—	—
<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>6</sup> .....</b>											
60	<b>BANKING .....</b>	<b>36.8</b>	<b>36.5</b>	<b>37.0</b>	<b>36.7</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
602	Commercial and stock savings banks .....	36.8	36.5	37.0	36.6	—	—	—	—	—	—
61	<b>CREDIT AGENCIES OTHER THAN BANKS .....</b>	<b>37.2</b>	<b>36.9</b>	<b>36.9</b>	<b>36.9</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
612	Savings and loan associations .....	36.5	36.3	36.7	36.4	—	—	—	—	—	—
614	Personal credit institutions .....	37.9	37.5	37.0	37.1	—	—	—	—	—	—
63	<b>INSURANCE CARRIERS .....</b>	<b>37.3</b>	<b>37.2</b>	<b>37.3</b>	<b>37.3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
631	Life insurance .....	36.8	36.7	36.9	37.0	—	—	—	—	—	—
632	Medical service and health insurance .....	37.8	37.6	37.9	37.9	—	—	—	—	—	—
633	Fire, marine, and casualty insurance .....	37.5	37.3	37.3	37.2	—	—	—	—	—	—

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls,  
by industry—Continued**

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>p</sup>	Sept. 1978 <sup>b</sup>	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>p</sup>	Sept. 1978 <sup>b</sup>
	<b>SERVICES .....</b>	\$154.44	\$154.96	\$164.84	\$164.01	\$165.31	\$4.61	\$4.71	\$4.95	\$4.94	\$5.04
	<b>HOTELS AND OTHER LODGING PLACES:</b>										
701	Hotels, motels, and tourist courts .....	104.33	103.56	115.31	113.63	--	3.25	3.33	3.57	3.54	-
	<b>PERSONAL SERVICES:</b>										
721	Laundry, cleaning, and garment services .....	120.06	119.37	130.15	131.92	--	3.44	3.45	3.74	3.78	-
723	Beauty shops .....	119.45	118.38	121.76	121.06	--	3.78	3.77	3.89	3.88	-
73	<b>BUSINESS SERVICES .....</b>	159.84	158.75	169.98	169.32	--	4.80	4.84	5.12	5.10	-
731	Advertising .....	238.20	242.42	260.28	258.83	--	6.58	6.66	7.25	7.15	-
734	Services to buildings .....	120.56	118.44	124.65	123.82	--	4.23	4.20	4.50	4.47	-
737	Computer and data processing services .....	195.57	197.27	213.23	209.56	--	5.30	5.39	5.81	5.71	-
75	<b>AUTO REPAIR, SERVICES, AND GARAGES .....</b>	172.88	171.95	189.88	190.38	--	4.61	4.66	5.01	5.01	-
753	Automotive repair shops .....	195.11	196.72	211.53	213.30	--	4.99	5.07	5.41	5.40	-
76	<b>MISCELLANEOUS REPAIR SERVICES .....</b>	232.30	234.09	242.81	246.23	--	5.75	5.78	6.04	6.11	-
78	<b>MOTION PICTURES .....</b>	177.06	175.71	188.11	191.69	--	5.73	6.08	6.42	6.52	-
7823	Motion picture production and services .....	323.47	330.88	365.85	373.60	--	8.49	8.80	9.73	9.78	-
79	<b>AMUSEMENT AND RECREATION SERVICES .....</b>	135.66	131.21	148.48	143.90	--	3.99	4.26	4.38	4.27	-
80	<b>HEALTH SERVICES .....</b>	146.85	147.84	160.61	159.51	--	4.41	4.48	4.78	4.79	-
801	Offices of physicians .....	153.64	157.31	166.17	164.84	--	4.60	4.71	4.99	4.95	-
802	Offices of dentists .....	127.97	129.61	136.12	138.88	--	4.49	4.58	4.71	4.74	-
805	Nursing and personal care facilities .....	101.71	102.61	115.56	112.05	--	3.26	3.31	3.60	3.58	-
806	Hospitals .....	161.46	161.16	175.42	175.10	--	4.68	4.74	5.07	5.09	-
81	<b>LEGAL SERVICES .....</b>	198.83	203.00	217.17	211.88	--	5.73	5.85	6.35	6.25	-
89	<b>MISCELLANEOUS SERVICES .....</b>	260.74	262.05	272.84	274.94	--	6.79	6.86	7.18	7.16	-
891	Engineering and architectural services .....	282.66	285.19	291.36	294.75	--	7.12	7.22	7.49	7.50	-
893	Accounting, auditing, and bookkeeping .....	221.19	220.22	238.72	239.78	--	5.93	5.92	6.40	6.31	-

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

<sup>2</sup> Beginning January 1978, data relate to line haul railroads with operating revenues of \$50,000,000 or more.

<sup>3</sup> Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1977, such employees made up 20 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

<sup>4</sup> Data relate to employees in such occupations in the telephone industry as central office craft

persons; installation and exchange repair craft persons; line, cable and conduit craft persons; and laborers. In 1977, such employees made up 37 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

<sup>5</sup> Money payments only; tips, not included.

<sup>6</sup> Data for nonoffice sales agents excluded from all series in this division.

<sup>7</sup> Not available.

<sup>p</sup>=preliminary.

ESTABLISHMENT DATA  
HOURS AND EARNINGS

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls,  
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>p</sup>	Sept. 1978 <sup>p</sup>	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>p</sup>	Sept. 1978 <sup>p</sup>
	<b>SERVICES</b> .....	33.5	32.9	33.3	33.2	32.8					
	<b>HOTELS AND OTHER LODGING PLACES:</b>										
701	Hotels, motels, and tourist courts .....	32.1	31.1	32.3	32.1						
	<b>PERSONAL SERVICES:</b>										
721	Laundry, cleaning, and garment services .....	34.9	34.6	34.8	34.9	—	—	—	—	—	—
723	Beauty shops .....	31.6	31.4	31.3	31.2	—	—	—	—	—	—
73	<b>BUSINESS SERVICES</b> .....	33.3	32.8	33.2	33.2	—	—	—	—	—	—
731	Advertising .....	36.2	36.4-	35.9	36.2	—	—	—	—	—	—
734	Services to buildings .....	28.5	28.2	27.7	27.7	—	—	—	—	—	—
737	Computer and data processing services .....	36.9	36.6	36.7	36.7	—	—	—	—	—	—
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	37.5	36.9	37.9	38.0	—	—	—	—	—	—
753	Automotive repair shops .....	39.1	38.8	39.1	39.5	—	—	—	—	—	—
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	40.4	40.5	40.2	40.3	—	—	—	—	—	—
78	<b>MOTION PICTURES</b> .....	30.9	28.9	29.3	29.4	—	—	—	—	—	—
781	Motion picture production and services .....	38.1	37.6	37.6	38.2	—	—	—	—	—	—
79	<b>AMUSEMENT AND RECREATION SERVICES</b> ...	34.0	30.8	33.9	33.7						
80	<b>HEALTH SERVICES</b> .....	33.3	33.0	33.6	33.3	—	—	—	—	—	—
801	Offices of physicians .....	33.4	33.4	33.3	33.3	—	—	—	—	—	—
802	Offices of dentists .....	28.5	28.3	28.9	29.3	—	—	—	—	—	—
805	Nursing and personal care facilities .....	31.2	31.0	32.1	31.3	—	—	—	—	—	—
806	Hospitals .....	34.5	34.0	34.6	34.4	—	—	—	—	—	—
81	<b>LEGAL SERVICES</b> .....	34.7	34.7	34.2	33.9	—	—	—	—	—	—
89	<b>MISCELLANEOUS SERVICES</b> .....	38.4	38.2	38.0	38.4	—	—	—	—	—	—
891	Engineering and architectural services .....	39.7	39.5	38.9	39.3	—	—	—	—	—	—
893	Accounting, auditing, and bookkeeping .....	37.3	37.2	37.3	38.0	—	—	—	—	—	—

## ESTABLISHMENT DATA HOURS AND EARNINGS

### C-3. Employment, hours, and indexes of earnings in the Executive Branch of the Federal Government

[Employment in thousands—includes both supervisory and nonsupervisory employees]

Item	1977							1978					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
<b>Executive Branch</b>													
Total employment .....	2,712.3	2,720.5	2,704.2	2,665.4	2,662.5	2,664.3	2,673.1	2,659.5	2,668.2	2,672.9	2,686.7	2,702.9	2,747.5
Average weekly hours .....	39.3	39.7	39.7	39.4	39.8	39.4	40.0	39.6	39.9	39.6	39.6	39.5	39.6
Average overtime hours .....	1.0	1.1	1.2	1.3	1.2	1.1	1.6	1.2	1.2	1.1	1.1	1.1	1.1
Indexes (1967=100):													
Average weekly earnings .....	208.9	211.1	212.7	214.9	226.9	225.9	230.5	229.0	230.2	227.4	226.5	226.0	226.5
Average hourly earnings .....	209.5	209.5	211.1	214.9	224.6	225.9	227.0	227.8	227.3	226.2	225.4	225.4	225.4
<b>Department of Defense</b>													
Total employment .....	932.0	931.6	922.0	909.1	907.8	909.8	907.7	906.4	906.0	905.6	905.4	911.3	924.8
Average weekly hours .....	39.9	40.0	40.0	39.9	39.9	39.8	40.0	39.9	40.1	40.0	40.1	40.0	40.0
Average overtime hours .....	.8	.7	.8	1.1	.9	.9	.8	.7	.8	.9	.9	.9	1.0
Indexes (1967=100):													
Average weekly earnings .....	203.7	203.4	204.2	208.0	217.4	220.9	220.4	221.8	222.3	221.5	222.1	222.0	221.5
Average hourly earnings .....	205.7	204.9	205.7	210.1	219.6	223.7	222.1	224.0	223.4	223.2	223.7	223.7	223.2
<b>Postal Service</b>													
Total employment .....	655.6	657.5	656.8	655.0	649.2	650.2	668.2	645.6	646.9	647.6	647.9	648.3	648.3
Average weekly hours .....	39.3	40.4	39.9	40.1	41.2	39.8	41.8	41.1	41.5	40.4	40.1	39.9	40.0
Average overtime hours .....	1.1	1.5	1.4	1.7	2.0	1.5	3.5	2.5	2.1	1.7	1.5	1.5	1.6
Indexes (1967=100):													
Average weekly earnings .....	235.0	241.9	248.6	251.5	259.0	253.4	271.7	253.9	266.5	258.5	256.2	254.3	259.7
Average hourly earnings .....	230.8	231.1	240.5	242.1	242.7	245.7	250.9	249.9	247.9	247.0	246.6	246.0	250.6
<b>Other Agencies</b>													
Total employment .....	1,124.7	1,131.4	1,125.9	1,101.3	1,105.5	1,104.3	1,097.2	1,107.5	1,115.3	1,119.7	1,133.4	1,143.3	1,174.4
Average weekly hours .....	38.6	39.0	39.3	38.7	38.8	38.9	38.8	38.5	38.9	38.8	38.9	38.8	39.0
Average overtime hours .....	1.1	1.3	1.5	1.2	1.1	1.1	1.0	.9	1.0	1.0	1.0	1.0	1.0
Indexes (1967=100):													
Average weekly earnings .....	197.5	200.5	200.1	201.7	216.6	215.4	216.1	216.6	217.6	215.1	214.1	213.4	212.0
Average hourly earnings .....	198.5	199.5	197.5	202.2	216.6	214.9	216.1	218.3	217.1	215.1	213.6	213.4	210.9

NOTE: The hours and earnings averages presented in this table have been computed using data collected by the U.S. Civil Service Commission from agencies with 2500 or more employees in the Executive Branch of the Federal Government; the data cover both salaried workers and hourly paid wage-board employees. Since these averages relate to hours and earnings of all workers both super-

visory and nonsupervisory, they are not comparable to similar data presented in table C-2 which relate only to production or nonsupervisory workers. The total employment levels shown include all workers in the Executive Branch regardless of the size of the agency.

### C-4. Average hourly earnings excluding overtime of production workers on manufacturing payrolls, by industry

Major industry group	Average hourly earnings excluding overtime <sup>1</sup>				
	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 <sup>p</sup>	Sept. 1978 <sup>b</sup>
<b>MANUFACTURING</b> .....	\$ 5.45	\$ 5.53	\$ 5.92	\$ 5.90	\$ 5.98
DURABLE GOODS .....					
Lumber and wood products .....	5.81	5.89	6.29	6.28	6.38
Furniture and fixtures .....	4.90	4.99	5.45	5.41	-
Stone, clay, and glass products .....	4.25	4.27	4.54	4.56	-
Primary metal industries .....	5.55	5.58	6.01	6.02	-
Fabricated metal products .....	7.22	7.29	7.81	7.88	-
Machinery, except electrical .....	5.67	5.73	6.06	6.07	-
Electric and electronic equipment .....	5.99	6.07	6.42	6.44	-
Transportation equipment .....	5.26	5.31	5.65	5.67	-
Instruments and related products .....	6.85	6.95	7.41	7.38	-
Miscellaneous manufacturing industries .....	5.17	5.21	5.55	5.58	-
NONDURABLE GOODS .....	4.94	4.98	5.35	5.33	5.37
Food and kindred products .....	5.10	5.15	5.51	5.50	-
Tobacco manufactures .....	5.45	5.38	6.40	6.12	-
Textile mill products .....	3.90	3.92	4.14	4.19	-
Apparel and other textile products .....	3.55	3.61	3.85	3.86	-
Paper and allied products .....	5.71	5.77	6.25	6.21	-
Printing and publishing .....	(2)	(2)	(2)	(2)	-
Chemicals and allied products .....	6.23	6.29	6.76	6.75	-
Petroleum and coal products .....	7.46	7.50	8.16	8.19	-
Rubber and misc. plastics products .....	4.96	4.98	5.28	5.29	-
Leather and leather products .....	3.50	3.55	3.81	3.80	-

<sup>1</sup> Derived by assuming that overtime hours are paid at the rate of time and one-half.

p=preliminary.

<sup>2</sup> Not available as average overtime rates are significantly above time and one-half. Inclusion of data for the group in the nondurable goods total has little effect.

ESTABLISHMENT DATA  
HOURS AND EARNINGS

**C-5. Gross and spendable average weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls, by industry division, in current and 1967 dollars**

Industry	Gross average weekly earnings			Spendable average weekly earnings <sup>2</sup>					
				Worker with no dependents			Married worker with 3 dependents		
	Aug 1977	July 1978	Aug 1978p	Aug 1977	July 1978	Aug 1978p	Aug 1977	July 1978	Aug 1978p
<b>TOTAL PRIVATE:</b>									
Current dollars .....	\$190.58	\$206.55	\$206.34	\$157.84	\$167.44	\$167.29	\$173.95	\$182.85	\$182.69
1967 dollars .....	103.97	105.01	104.37	86.11	85.12	84.62	94.90	92.96	92.41
<b>MINING:</b>									
Current dollars .....	300.76	337.82	334.97	231.42	255.44	253.64	256.12	280.06	278.01
1967 dollars .....	164.08	171.74	169.43	126.25	129.86	128.30	139.73	142.38	140.62
<b>CONSTRUCTION:</b>									
Current dollars .....	299.26	329.67	330.11	230.44	250.31	250.58	255.07	274.20	274.51
1967 dollars .....	163.26	167.60	166.98	125.72	127.25	126.75	139.15	139.40	138.85
<b>MANUFACTURING:</b>									
Current dollars .....	229.31	248.65	248.86	185.09	196.97	197.12	203.24	214.40	214.56
1967 dollars .....	125.10	126.41	125.88	100.98	100.14	99.71	110.88	109.00	108.53
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>									
Current dollars .....	283.01	301.20	305.07	219.97	231.89	234.40	243.43	253.71	256.50
1967 dollars .....	154.40	153.13	154.31	120.01	117.89	118.56	132.80	128.98	129.74
<b>WHOLESALE AND RETAIL TRADE:</b>									
Current dollars .....	145.18	157.04	156.11	124.08	131.37	130.67	136.69	144.75	144.02
1967 dollars .....	79.20	79.84	78.96	67.69	66.79	66.10	74.57	73.59	72.85
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>									
Current dollars .....	165.71	180.93	178.97	139.58	149.01	147.60	154.32	163.35	161.84
1967 dollars .....	90.40	91.98	90.53	76.15	75.75	74.66	84.19	83.05	81.86
<b>SERVICES:</b>									
Current dollars .....	154.44	164.84	164.01	131.04	137.22	136.60	145.40	150.83	150.19
1967 dollars .....	84.26	83.80	82.96	71.49	69.76	69.09	79.32	76.68	75.97
<b>CONSUMER PRICE INDEX FOR URBAN WAGE EARNERS AND CLERICAL WORKERS (CPI-W, All items, 1967=100) .....</b>									
	183.3	196.7	197.7						

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is an estimate of the average change in the prices of goods and services purchased by those consumers, and is used to deflate the current dollar values in this table to the 1967 dollar values shown. A major revision in the Consumer Price Index (revised CPI-W) was introduced with data for January 1978. Data prior to January 1978 in 1967 dollars are based on the unrevised Consumer Price Index for Urban Wage Earners and Clerical Workers (unrevised CPI-W).

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

<sup>2</sup> Spendable earnings are calculated by taking the average weekly pay for all production or nonsupervisory jobs, both full-time and part-time, and then deducting social security and Federal income taxes applicable to a single worker or to a married worker with three dependents who earned this amount (see Explanatory Notes for the establishment data in the back of this publication).

The data for spendable earnings for the seven month period June-December 1977 are calcu-

lated from formulas which concentrate the full year's effect of tax reduction in those seven months. A technical note on the calculation and uses of the spendable earnings series is available on request.

p=preliminary (applicable to earnings data only).

**ESTABLISHMENT DATA**  
**HOURS AND EARNINGS**

**C-6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls, by industry division and major manufacturing group**

[1967=100]

Industry division and group	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 P	Sept. 1978 P
	Hours				
<b>TOTAL PRIVATE</b> .....	118.4	118.2	122.8	123.3	122.5
<b>GOODS-PRODUCING</b> .....	103.0	104.7	107.0	108.4	109.7
<b>MINING</b> .....	132.9	140.7	147.2	146.3	145.2
<b>CONSTRUCTION</b> .....	119.1	117.2	135.9	136.9	133.1
<b>MANUFACTURING</b> .....	99.1	101.3	100.5	102.1	104.3
<b>DURABLE GOODS</b> .....	98.5	101.8	102.7	103.2	106.5
Lumber and wood products.....	113.9	115.2	116.9	117.3	115.2
Furniture and fixtures.....	105.1	107.1	104.5	108.6	109.4
Stone, clay, and glass products.....	111.3	109.6	114.7	114.3	112.8
Primary metal industries.....	90.2	92.7	94.6	95.1	97.2
Fabricated metal products.....	98.6	100.3	100.1	101.9	104.6
Machinery, except electrical.....	101.1	104.2	108.4	109.0	112.8
Electric and electronic equipment.....	96.6	99.2	98.7	100.5	102.8
Transportation equipment.....	87.9	97.5	95.3	91.5	101.4
Instruments and related products.....	113.1	115.2	121.2	123.2	126.6
Miscellaneous manufacturing industries.....	98.7	101.2	96.5	102.3	105.1
<b>NONDURABLE GOODS</b> .....	99.9	100.5	97.4	100.5	101.1
Food and kindred products.....	104.9	105.7	96.2	102.1	103.8
Tobacco manufactures.....	83.5	87.9	66.7	76.7	83.3
Textile mill products.....	93.1	93.2	89.6	92.3	93.0
Apparel and other textile products.....	91.3	91.4	87.2	91.6	92.0
Paper and allied products.....	100.5	101.1	101.9	100.7	100.4
Printing and publishing.....	96.1	97.6	98.0	99.7	99.1
Chemicals and allied products.....	104.9	104.9	106.6	106.5	106.5
Petroleum and coal products.....	118.8	120.0	127.3	126.3	126.7
Rubber and misc. plastics products.....	138.9	142.1	142.8	146.2	149.8
Leather and leather products.....	69.9	67.9	66.0	70.9	68.4
<b>SERVICE-PRODUCING</b> .....	129.1	127.5	133.8	133.6	131.3
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	107.2	107.7	108.2	109.3	109.5
<b>WHOLESALE AND RETAIL TRADE</b> .....	125.6	123.8	130.3	130.0	127.5
<b>WHOLESALE TRADE</b> .....	122.2	122.1	127.7	127.3	126.6
<b>RETAIL TRADE</b> .....	126.9	124.4	131.3	131.0	127.8
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	133.7	132.0	141.3	141.2	139.5
<b>SERVICES</b> .....	142.7	140.5	148.3	147.6	144.4

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

p=preliminary.

ESTABLISHMENT DATA  
HOURS AND EARNINGS

**C-6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls, by industry division and major manufacturing group—Continued**

[1967=100]

Industry division and group	Aug. 1977	Sept. 1977	July 1978	Aug. 1978 P	Sept. 1978 P
	Payrolls				
<b>TOTAL PRIVATE.....</b>	232.1	236.0	261.0	262.1	264.8
<b>GOODS-PRODUCING.....</b>	209.4	216.2	237.0	240.2	246.6
<b>MINING .....</b>	289.1	314.6	361.3	357.6	364.0
<b>CONSTRUCTION .....</b>	235.0	235.4	284.9	289.9	286.1
<b>MANUFACTURING .....</b>	199.7	207.5	219.8	222.8	231.8
<b>DURABLE GOODS .....</b>	199.7	209.9	225.0	226.2	238.4
Lumber and wood products .....	247.8	255.2	282.1	281.0	278.2
Furniture and fixtures .....	199.4	204.4	210.1	220.4	224.0
Stone, clay, and glass products .....	232.3	229.8	259.2	259.0	257.7
Primary metal industries .....	204.0	212.2	232.0	235.7	243.7
Fabricated metal products .....	196.4	202.4	212.5	217.2	227.1
Machinery, except electrical .....	199.1	208.6	228.8	230.8	243.8
Electric and electronic equipment .....	189.6	197.0	207.6	212.6	220.5
Transportation equipment .....	185.2	209.3	217.4	207.5	237.2
Instruments and related products .....	211.7	217.8	242.2	248.7	258.2
Miscellaneous manufacturing industries .....	183.3	190.1	192.9	205.0	212.3
<b>NONDURABLE GOODS .....</b>	199.8	203.4	210.8	217.0	220.7
Food and kindred products .....	214.5	218.4	211.4	224.4	230.4
Tobacco manufactures .....	207.8	216.4	193.6	212.3	223.7
Textile mill products .....	184.3	185.9	188.1	196.4	199.5
Apparel and other textile products .....	162.6	165.7	168.3	177.4	181.8
Paper and allied products .....	211.6	215.4	235.2	230.8	232.4
Printing and publishing .....	180.3	185.1	193.4	197.7	198.2
Chemicals and allied products .....	219.6	222.0	242.0	241.2	243.7
Petroleum and coal products .....	260.9	265.9	305.3	303.4	306.6
Rubber and misc. plastics products .....	262.5	270.2	286.7	294.4	304.9
Leather and leather products .....	121.6	119.8	124.3	133.5	130.3
<b>SERVICE-PRODUCING .....</b>	251.6	253.0	281.6	281.0	280.5
<b>TRANSPORTATION AND PUBLIC UTILITIES.....</b>	233.3	237.9	252.1	255.7	257.9
<b>WHOLESALE AND RETAIL TRADE .....</b>	238.1	238.2	269.7	268.6	267.2
<b>WHOLESALE TRADE .....</b>	229.6	232.4	262.4	261.5	263.2
<b>RETAIL TRADE .....</b>	242.9	241.5	273.8	272.6	269.3
<b>FINANCE, INSURANCE, AND REAL ESTATE .....</b>	235.0	233.8	270.0	267.5	266.7
<b>SERVICES .....</b>	287.1	289.0	320.9	318.8	317.7

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

p=preliminary.

**ESTABLISHMENT DATA  
SEASONALLY ADJUSTED HOURS**

**C-7. Average weekly hours of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls,  
by industry division and major manufacturing group, seasonally adjusted**

Industry	1977				1978								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. P	Sept. P
TOTAL PRIVATE .....	35.9	36.1	36.0	35.9	35.5	35.7	36.0	36.1	35.9	35.9	35.9	35.8	35.8
MINING .....	43.6	43.7	43.7	42.9	42.8	43.2	43.7	44.0	43.4	43.4	43.0	43.2	42.6
CONSTRUCTION .....	36.2	36.3	36.4	36.2	34.3	35.6	36.9	37.3	36.6	37.3	37.3	37.1	36.9
MANUFACTURING .....	40.3	40.5	40.5	40.5	39.8	40.1	40.6	40.8	40.4	40.5	40.5	40.4	40.4
Overtime hours .....	3.4	3.5	3.6	3.6	3.5	3.7	3.7	3.8	3.5	3.6	3.6	3.5	3.6
DURABLE GOODS .....	41.1	41.2	41.2	41.2	40.4	40.7	41.3	41.4	41.0	41.2	41.2	41.0	41.1
Overtime hours .....	3.6	3.8	3.8	3.8	3.7	4.0	3.9	4.0	3.7	3.7	3.8	3.7	3.8
Lumber and wood products .....	40.1	40.1	40.0	40.0	39.3	39.6	39.9	40.2	39.5	40.0	39.8	39.3	39.4
Furniture and fixtures .....	39.1	39.5	39.5	39.6	38.4	40.0	40.1	40.1	39.4	39.5	39.3	38.9	38.9
Stone, clay, and glass products .....	41.0	41.0	41.5	41.3	40.0	40.9	41.8	42.0	41.6	41.9	41.7	41.5	41.4
Primary metal industries .....	41.2	41.5	41.5	41.6	41.4	41.6	41.5	41.5	41.7	41.8	41.8	42.1	41.6
Fabricated metal products .....	40.9	41.0	41.0	41.2	40.3	40.7	41.3	41.4	41.1	41.0	41.0	40.9	40.9
Machinery, except electrical .....	41.7	41.9	41.9	41.9	41.1	41.8	42.3	42.3	42.1	42.3	42.2	41.9	42.1
Electric and electronic equipment .....	40.5	40.5	40.5	40.5	39.7	40.0	40.6	40.4	40.2	40.2	40.7	40.4	40.2
Transportation equipment .....	42.8	42.9	42.6	42.4	41.6	40.9	42.1	42.4	41.8	42.0	42.1	42.0	42.6
Instruments and related products .....	40.6	40.8	40.6	40.5	40.4	40.6	41.3	41.4	40.8	40.8	40.7	40.8	41.0
Miscellaneous manufacturing ind .....	38.9	38.9	38.9	38.6	38.0	38.3	39.0	39.1	38.8	38.8	38.8	38.8	38.8
NONDURABLE GOODS .....	39.3	39.4	39.5	39.4	38.8	39.1	39.7	39.8	39.5	39.4	39.4	39.4	39.3
Overtime hours .....	3.1	3.1	3.2	3.3	3.2	3.3	3.3	3.4	3.2	3.1	3.2	3.2	3.2
Food and kindred products .....	39.6	39.7	40.1	39.9	39.7	39.7	40.0	40.1	39.8	39.6	39.8	39.7	39.7
Tobacco manufactures .....	38.3	38.1	38.5	38.0	37.6	38.3	38.9	38.7	38.7	39.6	38.6	37.5	37.6
Textile mill products .....	40.2	40.6	40.7	40.5	40.3	40.3	40.8	40.9	40.5	40.3	40.2	40.4	40.3
Apparel and other textile products .....	35.4	35.6	35.8	35.9	33.7	35.5	36.0	36.3	35.9	35.8	35.8	35.6	35.6
Paper and allied products .....	42.8	42.8	42.8	42.9	42.5	42.5	43.4	43.5	42.9	42.9	42.9	42.8	42.6
Printing and publishing .....	37.9	37.9	37.8	37.6	37.4	37.4	38.0	37.9	37.3	37.5	37.6	37.5	37.6
Chemicals and allied products .....	41.7	41.7	41.7	41.7	41.6	41.6	42.1	42.0	41.9	41.9	41.8	41.8	41.7
Petroleum and coal products .....	42.6	42.9	42.8	43.4	43.1	42.8	43.3	43.6	42.9	43.4	43.9	44.1	43.6
Rubber and misc. plastics products .....	40.7	40.8	40.8	40.6	40.2	39.8	40.7	41.3	41.1	41.1	40.9	40.9	41.1
Leather and leather products .....	37.1	37.2	37.4	37.0	36.5	36.4	37.1	38.1	37.6	37.4	37.2	37.3	37.3
TRANSPORTATION AND PUBLIC UTILITIES .....	39.8	39.8	40.2	40.0	40.0	40.1	40.4	40.0	40.2	40.1	39.6	39.9	40.0
WHOLESALE AND RETAIL TRADE .....	33.2	33.4	33.1	33.1	32.7	32.7	33.0	33.0	32.9	32.8	32.9	32.8	32.7
WHOLESALE TRADE .....	38.8	38.9	38.8	38.8	38.7	38.7	38.9	39.0	38.7	38.8	38.7	38.8	38.7
RETAIL TRADE .....	31.5	31.7	31.4	31.4	30.9	30.9	31.2	31.2	31.1	31.0	31.1	30.9	30.9
FINANCE, INSURANCE, AND REAL ESTATE .....	36.4	36.5	36.4	36.4	36.3	36.3	36.3	36.7	36.3	36.5	36.6	36.5	36.5
SERVICES .....	33.0	33.2	33.0	33.0	33.0	32.9	33.0	33.0	32.9	32.8	32.8	32.7	32.9

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

P=preliminary.

**ESTABLISHMENT DATA  
SEASONALLY ADJUSTED**

**C-8. Indexes of aggregate weekly hours of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls,  
by industry division and major manufacturing group, seasonally adjusted**

[1967=100]

Industry division and group	1977				1978								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. <sup>p</sup>	Sept. <sup>p</sup>
<b>TOTAL PRIVATE</b> .....	116.3	117.0	117.4	117.5	116.2	117.1	119.1	120.4	120.0	120.6	120.6	120.4	120.5
<b>GOODS-PRODUCING</b> .....	100.7	101.2	102.0	101.6	99.3	100.9	103.6	106.0	105.1	106.0	106.1	105.4	105.3
<b>MINING</b> .....	138.1	138.8	139.7	107.8	105.6	106.8	111.3	144.2	143.1	144.0	143.5	144.2	142.6
<b>CONSTRUCTION</b> .....	107.0	107.6	108.7	108.6	100.3	104.2	111.5	118.8	117.1	122.8	124.2	122.7	121.4
<b>MANUFACTURING</b> .....	98.2	98.8	99.5	100.2	98.9	100.1	102.0	102.5	101.6	101.7	101.6	101.0	101.2
<b>DURABLE GOODS</b> .....	99.4	100.1	100.8	101.7	100.5	101.9	103.9	104.2	103.5	103.8	104.0	103.6	103.9
Lumber and wood products .....	110.8	111.9	113.2	114.5	113.2	114.0	114.3	115.0	111.8	113.6	112.3	110.5	110.5
Furniture and fixtures .....	103.5	105.9	107.0	108.9	106.1	111.1	112.5	112.5	110.3	109.5	108.3	106.2	105.9
Stone, clay, and glass products .....	105.9	105.3	108.6	109.0	106.4	108.4	111.0	112.7	111.4	112.4	111.1	109.4	108.7
Primary metal industries .....	90.9	91.7	91.6	91.9	92.2	93.4	92.8	92.9	93.9	94.1	94.4	95.5	95.2
Fabricated metal products .....	97.7	99.2	100.1	101.1	99.4	101.4	102.9	103.5	103.3	102.4	102.0	101.5	101.8
Machinery, except electrical .....	103.2	104.6	105.1	106.2	104.6	107.1	109.4	110.1	109.5	111.3	112.1	111.3	111.9
Electrical and electronic equipment .....	96.8	97.4	98.1	98.6	97.3	98.8	101.2	100.4	99.8	99.8	101.8	101.1	100.3
Transportation equipment .....	94.8	94.5	94.1	95.7	94.9	93.7	97.2	97.5	96.6	95.8	96.2	96.7	98.5
Instruments and related products .....	114.2	115.0	115.1	116.0	116.3	117.5	120.5	121.7	120.8	122.4	123.6	123.6	125.4
Miscellaneous manufacturing, ind .....	95.9	96.5	97.7	99.0	97.4	99.0	102.0	102.6	101.5	101.4	99.8	99.5	99.8
<b>NONDURABLE GOODS</b> .....	96.6	96.8	97.6	97.9	96.5	97.4	99.2	99.9	98.9	98.7	98.1	97.2	97.2
Food and kindred products .....	93.8	92.5	94.3	94.6	94.5	94.7	96.2	96.4	94.6	94.0	93.6	91.7	92.0
Tobacco manufactures .....	76.7	76.3	77.1	78.7	77.9	79.4	82.0	80.2	81.5	84.1	78.6	69.8	72.6
Textile mill products .....	91.8	92.9	93.7	93.0	92.6	92.5	93.7	93.4	92.6	91.8	91.5	91.0	91.7
Apparel and other textile products .....	89.3	89.9	90.8	91.1	85.6	90.1	91.6	93.2	91.9	91.4	90.1	89.9	90.0
Paper and allied products .....	99.0	98.8	98.6	99.6	98.7	99.1	101.6	102.4	101.9	101.9	101.9	99.0	98.4
Printing and publishing .....	96.6	97.0	96.9	96.7	96.7	96.9	99.3	99.1	98.2	98.6	99.1	99.0	97.9
Chemicals and allied products .....	104.2	104.0	104.0	104.5	104.4	104.8	106.0	106.5	106.9	106.9	106.6	106.0	105.5
Petroleum and coal products .....	115.8	117.5	117.3	119.8	119.9	119.0	121.3	122.1	118.4	120.4	121.2	122.6	122.1
Rubber and misc. plastics products .....	137.8	139.6	141.3	142.1	141.0	140.1	144.5	147.3	146.6	147.0	146.2	145.4	145.4
Leather and leather products .....	68.5	70.0	70.3	69.6	68.0	67.8	69.1	71.3	70.4	70.1	67.1	69.5	68.9
<b>SERVICE-PRODUCING</b> .....	127.1	128.0	128.1	128.5	127.9	128.4	129.8	130.5	130.5	130.7	130.7	130.8	131.0
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	106.1	105.9	107.2	106.9	107.0	107.7	109.1	108.7	109.0	109.4	106.5	107.6	107.9
<b>WHOLESALE AND RETAIL TRADE</b> .....	123.3	124.3	124.2	124.7	123.7	124.2	125.9	126.4	126.8	126.8	127.4	127.2	126.9
<b>WHOLESALE TRADE</b> .....	121.6	122.2	122.4	123.0	123.1	123.9	125.3	126.0	125.2	126.1	125.7	125.9	126.2
<b>RETAIL TRADE</b> .....	124.0	125.2	124.9	125.4	123.9	124.4	126.1	126.6	127.3	127.0	128.0	127.7	127.2
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	132.3	133.2	133.6	133.9	134.3	135.1	135.4	137.5	136.2	137.9	139.0	139.2	139.6
<b>SERVICES</b> .....	140.6	141.8	141.6	142.1	141.7	141.8	143.3	144.1	143.8	143.9	144.1	144.0	144.8

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

p=preliminary.

**ESTABLISHMENT DATA  
SEASONALLY ADJUSTED**

**C-9. Average hourly and weekly earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, seasonally adjusted**

Industry	1977				1978								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. <sup>p</sup>	Sept. <sup>p</sup>
Average hourly earnings													
TOTAL PRIVATE .....	\$5.31	\$5.36	\$5.39	\$5.41	\$5.46	\$5.49	\$5.54	\$5.61	\$5.62	\$5.66	\$5.71	\$5.72	\$5.75
MINING .....	7.08	7.16	7.18	6.75	6.84	6.92	6.94	7.63	7.66	7.71	7.85	7.88	7.93
CONSTRUCTION .....	8.15	8.19	8.20	8.24	8.30	8.35	8.47	8.47	8.59	8.65	8.66	8.71	8.72
MANUFACTURING .....	5.77	5.82	5.85	5.88	5.93	5.98	6.01	6.05	6.08	6.12	6.18	6.20	6.25
TRANSPORTATION AND PUBLIC UTILITIES .....	7.08	7.16	7.21	7.28	7.34	7.38	7.40	7.49	7.50	7.52	7.53	7.52	7.55
WHOLESALE AND RETAIL TRADE .....	4.33	4.36	4.39	4.42	4.51	4.50	4.55	4.60	4.60	4.63	4.67	4.69	4.71
FINANCE, INSURANCE, AND REAL ESTATE .....	4.59	4.64	4.66	4.68	4.72	4.71	4.75	4.84	4.84	4.89	4.95	4.90	4.95
SERVICES .....	4.70	4.75	4.76	4.78	4.86	4.87	4.90	4.95	4.94	4.96	5.01	5.02	5.03
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars .....	190.63	193.50	194.04	194.22	193.83	195.99	199.44	202.52	201.76	203.19	204.99	204.78	205.85
1967 dollars <sup>2</sup> .....	103.72	104.93	104.77	104.42	103.38	103.86	104.86	105.59	104.21	104.04	104.43	103.74	-
Real spendable earnings (married worker with 3 dependents, 1967 dollars) <sup>2, 3</sup> .....	94.66	95.57	95.39	95.06	92.41	92.70	93.33	93.76	92.59	92.33	92.55	91.96	-

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

<sup>2</sup> A major revision in the CPI was introduced beginning with the January 1978 data (see note on table C-5, and Explanatory Notes).

<sup>3</sup> See footnote 2, table C-5.

p=preliminary.

**C-10. Hours of wage and salary workers<sup>1</sup> in nonagricultural establishments, by industry division**

Industry division	Millions of hours (Annual rate) <sup>2</sup>			Percent change		
	JULY 1978	AUGUST 1978	SEPTEMBER 1978p	Sept. 1977 to Sept. 1978	July 1978 to Aug. 1978	Aug. 1978 to Sept. 1978
TOTAL .....	163,466	162,974	162,682	3.5	-0.3	-0.2
PRIVATE SECTOR .....	132,544	132,311	132,300	3.9	-0.2	0.0
MINING .....	1,986	2,014	1,963	4.4	1.4	-2.5
CONSTRUCTION .....	8,392	8,283	8,191	11.9	-1.3	-1.1
MANUFACTURING .....	42,531	42,256	42,260	3.0	-0.6	0.0
DURABLE GOODS .....	25,811	25,643	25,702	4.6	-0.7	0.2
NONDURABLE GOODS .....	16,719	16,614	16,558	0.6	-0.6	-0.3
TRANSPORTATION AND PUBLIC UTILITIES .....	9,933	10,046	10,082	3.1	1.1	0.4
WHOLESALE AND RETAIL TRADE .....	33,414	33,381	33,337	3.0	-0.1	-0.1
FINANCE, INSURANCE, AND REAL ESTATE .....	8,942	8,945	8,971	5.7	0.0	0.3
SERVICES .....	27,347	27,386	27,495	3.7	0.1	0.4
GOVERNMENT .....	30,923	30,663	30,382	2.1	-0.8	-0.9

<sup>1</sup> Data refer to hours of all employees—production workers, nonsupervisory workers and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods for Survey Studies*, BLS Bulletin 1910—Chapter 30, Productivity Measures: Private Economy and Major Sectors.

<sup>2</sup> "Annual rate" refers to total hours paid for 1 week in the month, expressed as a seasonally adjusted annual equivalent.

**PRODUCTIVITY  
SEASONALLY ADJUSTED**

**C-11. Indexes of output and compensation per hour, unit costs, and prices,  
private business sector, seasonally adjusted**

[1967 = 100]

Item	Annual average	Quarterly indexes												
		1975		1976				1977				1978		
		1976	1977	IV	I	II	III	IV	I	II	III	IV	I	II
<b>PRIVATE BUSINESS SECTOR:</b>														
Output per hour of all persons .....	116.1	118.1	113.5	115.1	115.9	116.8	116.8	117.6	117.2	118.9	119.1	117.7	117.9	
Output .....	126.5	133.2	121.7	125.0	126.2	127.1	127.6	130.5	132.5	134.2	135.5	135.3	138.2	
Hours .....	109.0	112.7	107.2	108.6	108.8	109.3	111.0	113.1	112.9	113.8	115.0	117.5		
Compensation per hour .....	196.3	212.7	185.7	190.3	194.2	198.5	202.7	206.8	210.0	215.2	218.9	225.2	229.5	
Real compensation per hour .....	115.2	117.2	112.3	113.7	114.7	115.6	116.8	116.8	116.1	117.5	118.2	119.3	118.5	
Unit labor costs .....	169.2	180.1	163.6	165.3	167.6	170.0	173.6	175.9	179.2	181.0	183.8	191.4	194.7	
Unit nonlabor payments .....	158.3	164.8	156.3	156.8	158.5	159.2	158.6	160.5	164.1	167.0	167.8	161.9	170.3	
Implicit price deflator .....	165.4	174.9	161.1	162.4	164.5	166.3	168.5	170.6	174.0	176.3	178.4	181.3	186.5	
<b>NONFARM BUSINESS SECTOR:</b>														
Output per hour of all persons .....	114.0	115.6	111.3	112.6	114.1	114.7	114.4	115.2	114.9	116.1	116.4	115.4	115.4	
Output .....	127.0	133.6	121.8	125.2	126.9	127.7	128.1	131.0	133.0	134.6	135.8	136.1	139.7	
Hours .....	111.4	115.6	109.4	111.1	111.3	111.3	112.0	113.8	115.7	115.9	116.7	117.9	120.7	
Compensation per hour .....	192.9	208.9	183.0	186.8	191.0	194.9	198.8	203.0	206.5	210.9	215.0	221.2	225.5	
Real compensation per hour .....	113.1	115.1	110.7	111.6	112.7	113.5	114.5	114.6	114.2	115.2	116.1	117.2	116.5	
Unit labor costs .....	169.2	180.7	164.3	165.8	167.4	169.9	173.8	176.3	179.7	181.6	184.8	191.7	191.6	
Unit nonlabor payments .....	156.1	162.7	151.1	153.8	155.6	157.6	157.3	157.9	161.7	166.1	165.1	159.0	166.5	
Implicit price deflator .....	164.8	174.6	159.8	161.8	163.4	165.7	168.2	170.0	173.6	176.4	178.1	180.6	185.2	
<b>MANUFACTURING:</b>														
Output per hour of all persons .....	123.5	126.7	122.7	121.8	123.4	124.5	124.3	124.1	126.1	128.3	128.2	126.4	128.6	
Output .....	119.3	126.9	115.5	117.8	119.2	120.0	120.3	122.6	126.6	128.6	129.8	129.7	133.9	
Hours .....	96.6	100.2	94.1	96.7	96.6	96.4	96.8	98.7	100.3	100.2	101.3	102.6	104.1	
Compensation per hour .....	195.6	213.2	184.8	189.1	194.0	197.7	201.5	206.3	210.5	215.5	220.1	226.0	229.7	
Real compensation per hour .....	114.7	117.5	111.8	113.0	114.5	115.2	116.1	116.5	116.4	117.7	118.9	119.7	118.6	
Unit labor costs .....	158.3	168.3	150.7	155.3	157.1	158.7	162.2	166.3	166.9	168.0	171.7	178.8	178.7	
<b>DURABLE GOODS</b>														
Output per hour of all persons .....	118.7	121.3	117.2	116.7	118.8	120.0	119.1	118.6	121.2	122.9	122.5	120.3	123.3	
Output .....	113.3	121.4	107.9	110.8	113.3	114.8	114.4	116.3	121.0	123.5	124.8	124.4	129.4	
Hours .....	95.5	100.1	92.0	94.9	95.3	95.7	96.0	98.1	99.9	100.5	101.9	103.4	105.0	
Compensation per hour .....	197.6	215.8	187.5	191.6	196.3	199.5	202.9	208.3	213.2	218.2	223.3	228.7	232.5	
Real compensation per hour .....	115.9	118.9	113.4	114.5	115.9	116.2	116.9	117.6	117.9	119.2	120.6	121.2	120.0	
Unit labor costs .....	166.5	177.9	159.9	164.2	165.1	166.2	170.3	175.7	175.9	177.5	182.2	190.1	188.6	
<b>NONDURABLE GOODS</b>														
Output per hour of all persons .....	131.3	135.4	132.5	130.1	130.9	131.9	132.6	133.0	134.1	137.0	137.4	136.2	137.5	
Output .....	129.1	135.7	127.8	129.2	128.9	128.5	129.8	132.6	135.5	136.9	138.0	138.3	141.2	
Hours .....	98.3	100.3	97.2	99.4	98.5	97.4	97.9	99.7	101.1	99.9	100.4	101.5	102.9	
Compensation per hour .....	192.8	208.7	181.5	185.9	190.8	195.0	199.6	203.3	206.3	210.7	214.3	220.8	224.4	
Real compensation per hour .....	113.1	115.0	109.8	111.1	112.6	113.6	115.0	114.8	114.1	115.1	115.7	117.0	115.9	
Unit labor costs .....	146.8	154.2	138.0	142.9	145.8	147.9	150.5	152.8	153.9	153.8	155.9	162.0	163.5	
<b>NONFINANCIAL CORPORATIONS:</b>														
Output per all-employee hour .....	117.1	119.2	115.5	116.4	117.4	117.6	116.8	117.8	118.6	120.1	120.1	119.3	120.5	
Output .....	133.8	141.0	128.7	132.3	134.1	134.4	134.2	137.5	140.5	142.3	143.6	143.6	148.5	
Hours .....	114.3	118.3	111.4	113.6	114.2	114.3	114.9	116.7	118.5	118.5	119.6	120.4	123.3	
Compensation per hour .....	194.9	212.0	185.3	188.8	192.8	196.9	201.2	205.4	209.7	214.5	218.3	224.8	229.4	
Real compensation per hour .....	114.3	116.8	112.1	112.8	113.8	114.7	115.9	116.0	115.9	117.1	117.9	119.1	118.5	
Total unit costs .....	172.0	182.0	167.5	168.0	169.8	172.8	177.3	178.8	180.8	182.5	185.6	191.5	192.8	
Unit labor costs .....	166.5	177.9	160.5	162.2	164.3	167.4	172.2	174.3	176.8	178.5	181.9	188.5	190.4	
Unit nonlabor costs .....	188.8	194.5	189.3	186.1	186.9	189.4	193.0	192.6	193.1	195.0	197.1	201.1	200.2	
Unit profits .....	112.7	120.2	105.1	114.9	115.5	114.7	105.6	108.8	120.1	128.3	122.9	104.5	126.4	
Implicit price deflator .....	163.2	172.8	158.2	160.1	161.7	164.2	166.6	168.4	171.8	174.5	176.3	178.6	183.0	

p=preliminary.

r=revised.

**PRODUCTIVITY  
SEASONALLY ADJUSTED**

**C-12. Percent changes from preceding quarter and year in productivity, hourly compensation, unit costs, and prices, private business sector, seasonally adjusted at annual rate**

Item	Quarterly percent change								Annual percent change					
	IV 1976 to I 1977	I 1977 to II 1977	II 1977 to III 1977	III 1977 to IV 1977	IV 1977 to I 1978	I 1978 to II 1978	I 1976 to I 1977	II 1976 to II 1977	III 1976 to III 1977	IV 1976 to IV 1977	I 1977 to I 1978	II 1977 to II 1978		
<b>PRIVATE BUSINESS SECTOR:</b>														
Output per hour of all persons .....	2.8	-1.2	5.8	0.6	-4.6	0.8	2.2	1.2	1.8	2.0	0.1	0.6		
Output .....	9.3	6.5	5.0	4.0	-0.6	9.9	4.4	5.0	5.6	6.2	3.7	4.5		
Hours .....	6.3	7.8	-0.7	3.4	4.2	9.1	2.2	3.8	3.7	4.1	3.6	3.9		
Compensation per hour .....	8.3	6.4	10.3	7.0	11.9	9.0	8.7	8.1	8.4	8.0	8.9	9.2		
Real compensation per hour .....	-0.0	2.2	5.0	2.2	3.7	-2.6	2.7	1.3	1.6	1.2	2.2	2.1		
Unit labor costs .....	5.3	7.7	4.3	6.3	17.4	7.2	6.4	6.9	6.5	5.9	8.8	8.7		
Unit nonlabor payments .....	4.8	9.3	7.3	1.9	-13.3	23.7	2.3	3.5	4.9	5.8	0.9	4.1		
Implicit price deflator .....	5.2	8.2	5.2	4.9	6.7	12.0	5.0	5.8	6.0	5.9	6.3	7.2		
<b>NONFARM BUSINESS SECTOR:</b>														
Output per hour of all persons .....	2.7	-0.8	4.3	0.8	-3.3	1.2	2.2	0.7	1.2	1.7	0.2	0.7		
Output .....	9.4	6.2	5.0	3.5	0.7	11.1	4.7	4.8	5.4	6.0	3.8	5.0		
Hours .....	6.6	7.1	0.7	2.7	4.2	9.8	2.4	4.0	4.1	4.2	3.6	4.3		
Compensation per hour .....	8.6	7.2	8.8	8.0	12.0	8.1	8.7	8.1	8.2	8.1	9.0	9.2		
Real compensation per hour .....	0.3	-1.5	3.6	3.2	3.8	-2.5	2.7	1.3	1.5	1.4	2.2	2.0		
Unit labor costs .....	5.8	8.1	4.3	7.1	15.8	6.9	6.3	7.4	6.9	6.3	8.7	8.4		
Unit nonlabor payments .....	1.4	10.1	11.4	-2.6	-13.8	20.2	2.6	3.9	5.4	4.9	0.7	3.0		
Implicit price deflator .....	4.4	8.7	6.5	4.0	5.8	19.1	5.1	6.2	6.4	5.9	6.2	6.7		
<b>MANUFACTURING:</b>														
Output per hour of all persons .....	-0.6	6.6	7.1	-0.3	-5.6	7.2	1.9	2.2	3.0	3.2	1.8	2.0		
Output .....	7.7	13.7	6.6	4.0	-0.5	13.6	4.0	6.1	7.1	7.9	5.8	5.8		
Hours .....	8.3	6.6	-0.5	4.3	5.4	6.0	2.1	3.9	4.0	4.6	3.9	3.8		
Compensation per hour .....	9.9	8.4	9.8	8.8	11.1	6.8	9.1	8.5	9.0	9.2	9.5	9.1		
Real compensation per hour .....	1.5	-0.4	4.6	3.9	3.0	-3.7	3.1	1.7	2.2	2.4	2.8	1.9		
Unit labor costs .....	10.5	1.6	2.6	9.1	17.7	-0.4	7.1	6.2	5.8	5.9	7.6	7.0		
<b>DURABLE GOODS</b>														
Output per hour of all persons .....	-1.9	9.1	5.8	-1.2	-7.0	10.1	1.6	2.0	2.4	2.8	1.5	1.7		
Output .....	6.9	17.1	8.3	4.5	-1.5	17.1	5.0	6.9	7.5	9.1	6.9	6.9		
Hours .....	8.9	7.4	2.3	5.9	5.9	6.3	3.4	4.8	5.0	6.1	5.3	5.1		
Compensation per hour .....	11.1	9.6	9.8	9.6	10.2	6.7	8.7	8.6	9.4	10.0	9.8	9.1		
Real compensation per hour .....	2.6	0.7	4.6	4.7	2.2	-3.7	2.7	1.7	2.6	3.1	3.0	1.9		
Unit labor costs .....	13.2	0.5	3.8	11.0	18.5	-3.1	7.0	6.5	6.8	7.0	8.2	7.2		
<b>NONDURABLE GOODS</b>														
Output per hour of all persons .....	1.4	3.2	9.0	1.2	-3.4	3.0	2.3	2.4	3.9	3.6	2.4	2.3		
Output .....	8.8	9.0	4.1	3.2	1.1	8.7	2.6	5.1	6.6	6.2	4.3	4.2		
Hours .....	7.4	5.6	-4.5	2.0	4.6	5.5	0.3	2.6	2.6	2.5	1.9	1.8		
Compensation per hour .....	7.6	6.0	8.9	6.9	12.7	6.8	9.4	8.1	8.1	7.3	8.6	8.8		
Real compensation per hour .....	-0.6	-2.5	3.6	2.1	4.5	-3.7	3.3	1.3	1.3	0.6	1.9	1.6		
Unit labor costs .....	6.2	2.8	-0.1	5.6	16.6	3.7	6.9	5.6	4.0	3.6	6.0	6.3		
<b>NONFINANCIAL CORPORATIONS:</b>														
Output per all-employee hour .....	3.5	2.7	5.3	-0.2	-2.6	4.1	1.2	1.0	2.1	2.8	1.2	1.6		
Output .....	9.9	9.2	5.2	3.6	-0.0	14.5	3.9	4.8	5.9	7.0	4.5	5.7		
Hours .....	6.2	6.3	-0.1	3.9	2.7	10.1	2.7	3.7	3.7	4.1	3.2	4.1		
Compensation per hour .....	8.7	8.7	9.3	7.5	12.4	6.5	8.8	8.8	8.9	8.5	9.5	9.4		
Real compensation per hour .....	0.3	-0.1	4.1	2.7	4.2	-2.1	2.8	1.9	2.1	1.7	2.7	2.2		
Total unit costs .....	3.5	4.6	3.9	6.8	13.6	2.7	6.4	6.5	5.6	4.7	7.1	6.7		
Unit labor costs .....	5.0	5.8	3.9	7.7	15.3	4.3	7.5	7.6	6.6	5.6	8.1	7.7		
Unit nonlabor costs .....	-0.7	1.0	3.9	4.3	8.5	-1.8	3.5	3.3	3.0	2.1	4.4	3.7		
Unit profits .....	12.9	48.2	30.4	-15.8	-47.8	114.0	-5.3	3.9	11.9	16.4	-4.0	5.2		
Implicit price deflator .....	4.3	8.3	6.4	4.2	5.5	10.1	5.2	6.2	6.3	5.8	6.1	6.5		

p=preliminary.

r=revised.

ESTABLISHMENT DATA  
STATE AND AREA HOURS AND EARNINGS

**C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978E	AUG. 1977	JULY 1978	AUG. 1978P
<b>ALABAMA</b>	\$201.96	\$225.08	\$232.94	40.8	41.3	42.2	\$4.95	\$5.45	\$5.52
Birmingham	242.57	265.93	292.32	40.7	40.6	42.0	5.96	6.55	6.96
Mobile	247.62	276.02	280.81	42.4	42.4	5.84	6.51	6.67	
<b>ALASKA</b>	411.55	398.52	445.54	44.3	49.2	54.4	9.29	8.10	8.19
<b>ARIZONA</b>	221.44	247.04	247.44	39.9	40.3	40.3	5.55	6.13	6.14
Phoenix	224.16	249.90	250.30	40.1	40.7	40.7	5.59	6.14	6.15
Tucson	218.44	223.25	227.55	38.8	38.9	39.3	5.63	5.74	5.79
<b>ARKANSAS</b>	177.07	188.89	189.92	40.8	39.6	39.9	4.34	4.77	4.76
Fayetteville-Springdale	155.99	168.35	166.32	40.1	35.8	38.5	3.89	4.23	4.32
Fort Smith	183.47	191.07	191.98	40.5	38.6	39.1	4.53	4.95	4.91
Little Rock-North Little Rock	207.17	216.68	219.49	41.6	40.2	40.2	4.98	5.39	5.46
Pine Bluff	214.56	250.43	257.23	41.5	41.6	42.8	5.17	6.02	6.01
<b>CALIFORNIA</b>	244.01	256.86	259.05	40.2	39.7	40.1	6.07	6.47	6.46
Anaheim-Santa Ana-Garden Grove	223.11	238.95	243.58	40.2	40.5	40.6	5.55	5.90	5.97
Bakersfield	250.22	272.25	270.18	40.1	39.4	39.5	6.24	6.91	6.84
Fresno	219.54	230.29	236.22	39.7	38.9	35.7	5.53	5.92	5.95
Los Angeles-Long Beach	226.00	238.80	238.00	40.0	40.0	40.0	5.65	5.97	5.95
Modesto	256.06	254.92	262.51	41.5	39.4	40.2	6.17	6.47	6.53
Oxnard-Simi Valley-Ventura	199.26	222.22	223.20	38.1	39.4	40.0	5.23	5.64	5.58
Riverside-San Bernardino-Ontario	242.53	267.07	272.70	39.5	40.1	40.4	6.14	6.66	6.75
Sacramento	283.05	275.41	281.30	42.5	38.9	39.9	6.66	7.08	7.05
Salinas-Seaside-Monterey	220.50	243.46	258.86	37.5	38.4	39.4	5.88	6.34	6.57
San Diego	228.72	243.59	245.63	38.7	39.1	39.3	5.91	6.23	6.25
San Francisco-Oakland	291.20	311.22	312.00	40.0	39.9	40.0	7.28	7.80	7.80
San Jose	264.58	272.56	282.76	41.6	40.2	41.4	6.36	6.78	6.83
Santa Barbara-Santa Maria-Lompoc	213.15	219.41	228.73	39.4	37.7	38.9	5.41	5.82	5.88
Santa Rosa	218.88	238.75	229.48	38.0	38.2	36.6	5.76	6.25	6.27
Stockton	273.98	277.36	287.34	41.2	38.9	40.7	6.65	7.13	7.06
Vallejo-Fairfield-Napa	247.81	266.11	277.80	38.6	38.4	39.8	6.42	6.93	6.98
<b>COLORADO</b> <sup>1</sup>	229.68	249.82	251.83	39.6	40.1	40.1	5.80	6.23	6.28
Denver-Boulder <sup>1</sup>	228.71	247.42	250.22	39.5	40.1	40.1	5.79	6.17	6.24
<b>CONNECTICUT</b>	228.93	249.65	247.70	41.1	42.1	41.7	5.57	5.93	5.94
Bridgeport	232.54	262.24	263.26	41.6	44.0	43.3	5.59	5.96	6.08
Hartford	245.27	269.02	268.39	41.5	42.5	42.2	5.91	6.33	6.36
New Britain	238.71	257.79	259.86	42.1	42.4	42.6	5.67	6.08	6.10
New Haven-West Haven	226.95	253.57	254.79	40.6	41.5	41.7	5.59	6.11	6.11
Stamford	241.25	251.68	253.76	42.4	41.6	41.6	5.69	6.05	6.10
Waterbury	197.13	217.26	219.76	41.5	41.7	42.1	4.75	5.21	5.22
<b>DELAWARE</b>	222.14	263.81	260.07	38.3	40.4	40.7	5.80	6.53	6.39
Wilmington	270.09	302.06	302.54	39.2	40.6	40.5	6.89	7.44	7.47
<b>DISTRICT OF COLUMBIA:</b>									
Washington SMSA	212.08	212.85	214.34	38.7	38.7	38.9	5.48	5.50	5.51
<b>FLORIDA</b>	189.26	205.73	205.63	40.7	40.9	40.8	4.65	5.03	5.04
Fort Lauderdale-Hollywood	189.98	190.28	193.36	41.3	40.4	40.2	4.60	4.71	4.81
Jacksonville	233.37	256.45	248.29	42.2	42.6	41.8	5.53	6.02	5.94
Miami	162.35	175.96	172.57	39.5	39.9	39.4	4.11	4.41	4.38
Orlando	203.45	230.41	230.11	41.1	42.2	42.3	4.95	5.46	5.44
Pensacola	239.10	266.64	262.06	41.8	42.8	42.2	5.72	6.23	6.21
Tampa-St. Petersburg	199.51	214.13	216.74	40.8	41.1	41.6	4.89	5.21	5.21
West Palm Beach-Boca Raton	215.02	240.00	237.42	40.8	43.4	41.8	5.27	5.53	5.68
<b>GEORGIA</b>	179.49	198.20	199.08	40.7	39.8	40.3	4.41	4.98	4.54
Atlanta	206.00	224.43	217.23	40.0	39.1	39.0	5.15	5.74	5.57
Savannah	239.76	271.36	273.27	43.2	42.6	42.9	5.55	6.37	6.37
<b>HAWAII</b>	202.00	218.12	217.70	39.3	39.3	38.6	5.14	5.55	5.64
Honolulu	194.16	208.35	208.10	38.6	38.3	37.7	5.03	5.44	5.52
<b>IDAHO</b>	255.23	281.08	277.20	41.3	39.7	40.0	6.18	7.08	6.93
Boise City	218.20	230.05	230.89	41.8	36.4	37.3	5.22	6.32	6.19

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**STATE AND AREA HOURS AND EARNINGS**

**C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P
ILLINOIS .....	\$254.57	\$267.11	\$271.18	40.4	39.3	39.9	\$6.30	\$6.79	\$6.80
Bloomington-Normal .....	187.04	237.25	248.97	36.1	39.9	41.0	5.17	5.95	6.07
Champaign-Urbana-Rantoul .....	223.49	254.01	250.20	38.1	37.7	38.5	5.87	6.73	6.51
Chicago SMSA .....	257.58	265.25	267.48	41.2	40.4	40.6	6.25	6.57	6.59
Davenport-Rock Island-Moline .....	276.59	275.52	276.51	40.6	38.1	38.6	6.81	7.22	7.17
Decatur .....	281.63	279.08	299.82	41.9	38.7	41.1	6.72	7.21	7.30
Peoria .....	284.78	308.83	329.86	37.9	37.5	39.4	7.51	8.24	8.38
Rockford .....	254.32	273.01	279.17	42.6	41.1	41.8	5.96	6.64	6.67
Springfield .....	297.79	306.22	309.36	43.0	41.9	41.8	6.92	7.31	7.39
INDIANA .....	277.06	296.95	294.79	41.6	41.3	41.0	6.66	7.19	7.19
Gary-Hammond-East Chicago .....	355.88	393.05	(*)	41.0	42.4	(*)	8.68	9.27	(*)
Indianapolis .....	278.28	297.07	(*)	42.1	41.9	(*)	6.61	7.09	(*)
IOWA .....	256.96	280.19	281.80	39.9	39.8	40.2	6.44	7.04	7.01
Cedar Rapids .....	248.45	311.25	313.82	38.7	43.9	44.2	6.42	7.09	7.10
Des Moines .....	256.74	283.04	280.44	37.7	38.3	38.0	6.81	7.39	7.38
Dubuque .....	325.62	345.06	347.36	40.3	40.5	41.7	8.08	8.52	8.33
Sioux City .....	202.83	225.81	244.72	37.7	35.9	38.6	5.38	6.29	6.34
Waterloo-Cedar Falls .....	328.02	400.86	395.89	40.9	45.5	45.4	8.02	8.81	8.72
KANSAS .....	216.83	239.13	241.35	40.6	40.6	40.7	5.39	5.89	5.93
Topeka .....	240.24	257.07	257.81	42.0	41.0	39.3	5.72	6.27	6.56
Wichita .....	236.65	260.40	266.70	41.3	42.0	42.0	5.73	6.20	6.35
KENTUCKY .....	227.76	242.42	245.31	40.1	39.1	39.0	5.68	6.20	6.29
Louisville .....	265.92	281.70	285.82	41.1	40.3	40.6	6.47	6.99	7.04
LOUISIANA .....	239.98	266.33	274.10	42.4	41.1	42.3	5.66	6.48	6.48
Baton Rouge .....	306.16	348.66	340.01	43.0	44.7	44.1	7.12	7.80	7.71
New Orleans .....	228.74	246.52	266.53	40.2	38.7	40.2	5.69	6.37	6.63
Shreveport .....	213.21	235.41	244.36	41.4	39.9	41.0	5.15	5.90	5.96
MAINE .....	181.20	198.28	197.88	40.0	40.3	40.8	4.53	4.92	4.85
Lewiston-Auburn .....	147.05	162.93	162.47	37.9	38.7	38.5	3.88	4.21	4.22
Portland .....	183.02	199.00	197.90	39.7	39.8	39.9	4.61	5.00	4.96
MARYLAND .....	238.79	264.37	265.02	39.6	40.3	40.4	6.03	6.56	6.56
Baltimore .....	253.03	278.39	279.35	40.1	40.7	40.9	6.31	6.84	6.83
MASSACHUSETTS .....	205.20	220.80	222.15	40.0	40.0	40.1	5.13	5.52	5.54
Boston .....	223.91	240.77	242.59	40.2	39.6	39.9	5.57	6.08	6.08
Brockton .....	157.36	174.57	177.17	37.2	38.2	38.6	4.23	4.57	4.59
Fall River .....	148.57	160.08	159.87	35.8	36.8	36.5	4.15	4.35	4.38
Lawrence-Haverhill .....	202.69	216.37	218.99	40.7	39.7	39.6	4.98	5.45	5.53
Lowell .....	178.09	192.77	193.00	38.8	38.4	38.6	4.59	5.02	5.00
New Bedford .....	174.02	190.81	189.70	38.5	39.1	38.4	4.52	4.88	4.94
Springfield-Chicopee-Holyoke .....	215.69	227.64	224.68	41.4	42.0	41.0	5.21	5.42	5.48
Worcester .....	211.98	229.96	230.85	40.3	40.7	40.5	5.26	5.65	5.70
MICHIGAN .....	318.33	347.15	(*)	42.5	42.8	(*)	7.49	8.11	(*)
Ann Arbor .....	366.44	395.35	(*)	45.6	44.9	(*)	8.04	8.81	(*)
Battle Creek .....	315.96	338.71	(*)	41.4	41.2	(*)	7.63	8.22	(*)
Bay City .....	348.10	329.76	(*)	47.2	42.5	(*)	7.38	7.76	(*)
Detroit .....	338.78	372.29	(*)	42.1	42.9	(*)	8.05	8.68	(*)
Flint .....	381.34	412.11	(*)	45.3	46.0	(*)	8.42	8.96	(*)
Grand Rapids .....	257.23	267.94	(*)	41.9	40.9	(*)	6.14	6.55	(*)
Jackson .....	278.76	312.25	(*)	42.5	43.2	(*)	6.56	7.23	(*)
Kalamazoo-Portage .....	271.84	291.03	(*)	40.0	40.5	(*)	6.80	7.19	(*)
Lansing-East Lansing .....	334.28	354.94	(*)	43.1	39.0	(*)	7.76	9.10	(*)
Muskegon-Norton Shores-Muskegon Heights .....	286.60	276.58	(*)	43.3	39.5	(*)	6.62	7.00	(*)
Saginaw .....	378.11	414.08	(*)	44.8	45.2	(*)	8.44	9.16	(*)
MINNESOTA .....	237.01	253.04	255.36	39.7	39.6	39.9	5.97	6.39	6.40
Duluth-Superior .....	210.76	239.24	240.86	36.4	38.9	39.1	5.79	6.15	6.16
Minneapolis-St. Paul .....	259.53	272.68	276.06	40.3	40.1	40.3	6.44	6.80	6.85
MISSISSIPPI .....	167.23	180.58	184.63	40.2	39.6	40.4	4.16	4.56	4.57
Jackson .....	187.50	202.55	205.26	41.3	40.6	41.3	4.54	4.99	4.97

See footnotes at end of table.

ESTABLISHMENT DATA  
STATE AND AREA HOURS AND EARNINGS

C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	AUG. 1977	JULY 1978	AUG. 1978F	AUG. 1977	JULY 1978	AUG. 1978F	AUG. 1977	JULY 1978	AUG. 1978F
MISSOURI .....	\$232.87	\$244.28	\$234.69	40.5	39.4	38.6	\$5.75	\$6.20	\$6.08
Kansas City .....	258.04	282.10	272.03	40.7	40.3	40.3	6.34	7.00	6.75
St. Joseph .....	212.00	221.34	223.62	40.0	38.5	39.3	5.30	5.69	5.69
St. Louis .....	272.63	285.42	273.93	41.4	40.2	38.8	6.59	7.10	7.06
Springfield .....	200.59	211.77	224.37	39.8	39.0	40.5	5.04	5.43	5.54
MONTANA .....	273.49	330.03	335.75	42.6	41.1	42.5	6.42	8.03	7.90
NEBRASKA .....	223.04	236.23	241.19	41.0	40.8	41.3	5.44	5.79	5.84
Lincoln .....	212.06	221.07	239.24	37.8	36.3	38.9	5.61	6.09	6.15
Omaha .....	236.93	259.56	262.81	40.5	41.2	41.0	5.85	6.30	6.41
NEVADA .....	241.55	260.91	254.38	38.1	39.0	38.6	6.34	6.69	6.59
Las Vegas .....	305.72	318.70	(*)	40.6	39.2	(*)	7.53	8.13	(*)
NEW HAMPSHIRE .....	185.03	195.42	199.89	40.4	39.4	40.3	4.58	4.96	4.96
Manchester .....	165.15	176.22	175.11	39.7	38.9	39.0	4.16	4.53	4.49
Nashua .....	207.33	216.41	216.54	41.3	40.3	40.4	5.02	5.37	5.36
NEW JERSEY .....	241.53	254.00	256.06	41.5	41.1	41.3	5.82	6.18	6.20
Atlantic City .....	176.75	171.20	172.59	36.9	38.3	38.1	4.79	4.47	4.53
Camden <sup>2</sup> .....	230.58	252.76	248.46	40.1	40.9	40.4	5.75	6.18	6.15
Hackensack <sup>3</sup> .....	226.53	247.08	246.65	42.5	42.6	42.6	5.33	5.80	5.79
Jersey City <sup>3</sup> .....	232.64	240.24	247.42	40.6	39.0	40.1	5.73	6.16	6.17
New Brunswick–Perth Amboy–Sayreville <sup>3</sup> .....	259.34	270.25	275.31	42.1	40.7	41.4	6.16	6.64	6.65
Newark <sup>3</sup> .....	247.97	255.62	260.15	42.1	41.7	42.3	5.89	6.13	6.15
Paterson–Clifton–Passaic <sup>3</sup> .....	221.90	241.38	243.58	40.2	40.5	40.8	5.52	5.96	5.97
Trenton .....	252.70	263.27	266.42	41.7	41.2	40.8	6.06	6.39	6.53
NEW MEXICO .....	173.38	187.01	186.44	38.7	38.4	38.6	4.48	4.87	4.83
Albuquerque .....	178.55	187.21	184.02	38.9	38.6	38.1	4.55	4.85	4.83
NEW YORK .....	223.57	239.95	237.98	39.5	39.4	39.4	5.66	6.09	6.04
Albany–Schenectady–Troy .....	246.24	269.65	265.60	40.5	40.6	40.6	6.08	6.61	6.64
Binghamton .....	203.52	227.26	217.31	40.3	40.6	39.8	5.05	5.57	5.46
Buffalo .....	302.94	318.85	323.59	41.9	41.2	41.7	7.23	7.74	7.76
Elmira .....	221.92	241.00	239.79	39.7	39.9	39.7	5.59	6.04	6.04
Monroe County <sup>4</sup> .....	286.90	304.88	304.47	41.4	41.2	41.2	6.93	7.40	7.39
Nassau–Suffolk <sup>5</sup> .....	214.38	222.09	223.83	39.7	39.1	39.2	5.40	5.68	5.71
New York–Northeastern New Jersey .....	216.61	229.31	(*)	39.6	39.4	(*)	5.47	5.82	(*)
New York and Nassau–Suffolk <sup>3</sup> .....	196.94	208.68	205.13	37.8	37.6	37.5	5.21	5.55	5.47
New York SMSA <sup>5</sup> .....	196.13	205.52	200.88	37.5	37.3	37.2	5.23	5.51	5.40
New York City <sup>6</sup> .....	193.07	201.30	197.25	37.2	36.8	36.8	5.19	5.47	5.36
Poughkeepsie .....	241.23	247.81	258.23	43.0	42.8	43.4	5.61	5.79	5.95
Rochester .....	270.52	287.94	286.59	41.3	40.9	41.9	6.55	7.04	6.99
Rockland County <sup>6</sup> .....	220.17	240.45	244.76	41.0	41.6	42.2	5.37	5.78	5.80
Syracuse .....	251.30	267.71	274.03	41.4	40.5	41.9	6.07	6.61	6.54
Utica–Rome .....	211.74	230.60	230.68	39.8	40.0	40.4	5.32	5.77	5.71
Westchester County <sup>6</sup> .....	220.80	243.90	230.29	40.0	41.2	39.5	5.52	5.92	5.83
NORTH CAROLINA .....	165.57	177.36	180.75	39.8	39.5	39.9	4.16	4.49	4.53
Asheville .....	161.57	176.88	173.71	39.6	40.2	39.3	4.08	4.40	4.42
Charlotte–Gastonia .....	168.49	181.80	185.64	40.6	40.4	40.8	4.15	4.50	4.55
Greensboro–Winston-Salem–High Point .....	179.39	191.78	195.72	39.6	39.3	39.7	4.53	4.86	4.93
Raleigh–Durham .....	186.66	201.70	204.93	39.8	40.1	40.5	4.69	5.03	5.06
NORTH DAKOTA .....	209.35	225.74	233.19	39.5	40.6	41.2	5.30	5.56	5.66
Fargo–Moorhead .....	231.73	243.10	253.97	40.3	39.4	40.7	5.75	6.17	6.24
OHIO .....	282.83	306.49	305.76	41.9	42.1	42.0	6.75	7.28	7.28
Akron .....	292.24	298.57	302.15	42.6	41.7	42.2	6.86	7.16	7.16
Canton .....	282.00	309.06	315.38	40.0	40.4	40.8	7.05	7.65	7.73
Cincinnati .....	258.13	286.02	287.12	41.5	42.0	42.1	6.22	6.81	6.82
Cleveland .....	289.49	323.88	315.46	42.2	43.3	42.4	6.86	7.48	7.44
Columbus .....	247.86	261.14	268.79	40.5	40.3	41.1	6.12	6.48	6.54
Dayton .....	299.53	315.74	308.48	43.6	42.9	42.2	6.87	7.36	7.31
Toledo .....	300.88	308.51	318.75	42.8	41.3	42.5	7.03	7.47	7.50
Youngstown–Warren .....	317.16	369.37	359.42	40.3	43.0	41.6	7.87	8.59	8.64

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA HOURS AND EARNINGS**

**C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P
OKLAHOMA.....	\$216.80	\$234.77	\$238.91	40.6	40.2	40.7	\$5.34	\$5.84	\$5.87
Oklahoma City.....	213.56	227.55	231.08	40.6	39.3	39.3	5.26	5.79	5.88
Tulsa.....	231.55	251.20	256.36	40.2	40.0	40.5	5.76	6.28	6.33
OREGON.....	252.04	294.66	276.82	37.9	39.9	38.5	6.65	7.39	7.19
Eugene-Springfield.....	269.75	341.48	(*)	38.1	42.9	(*)	7.08	7.96	(*)
Jackson County.....	263.27	302.40	(*)	38.1	40.0	(*)	6.91	7.56	(*)
Portland.....	245.05	264.54	(*)	37.7	37.5	(*)	6.50	6.98	(*)
PENNSYLVANIA.....	234.63	254.06	257.28	39.7	40.2	40.2	5.91	6.32	6.40
Allentown-Bethlehem-Easton.....	227.74	246.65	250.87	38.6	38.6	38.3	5.90	6.39	6.55
Altoona.....	189.38	203.76	208.45	37.8	38.3	37.9	5.01	5.32	5.50
Delaware Valley <sup>7</sup> .....	244.55	263.97	266.79	39.7	40.3	40.3	6.16	6.55	6.62
Erie.....	246.33	266.91	265.65	41.4	42.1	41.9	5.95	6.34	6.34
Harrisburg.....	211.46	223.44	230.98	39.6	39.2	40.1	5.34	5.70	5.76
Johnstown.....	247.33	262.26	263.59	39.7	39.5	39.4	6.23	6.64	6.69
Lancaster.....	205.77	221.92	225.52	39.8	39.7	40.2	5.17	5.59	5.61
Northeast Pennsylvania.....	171.76	183.40	191.00	36.7	37.2	38.2	4.68	4.93	5.00
Philadelphia SMSA.....	(*)	261.95	263.97	(*)	40.3	40.3	(*)	6.50	6.55
Pittsburgh.....	296.43	312.83	314.31	41.0	41.0	40.4	7.23	7.63	7.78
Reading.....	214.58	232.40	228.34	39.3	40.0	38.9	5.46	5.81	5.87
Scranton <sup>8</sup> .....	180.30	195.61	195.22	38.2	39.2	39.2	4.72	4.99	4.98
Wilkes-Barre-Hazleton <sup>9</sup> .....	165.65	175.55	180.00	35.7	35.9	36.0	4.64	4.89	5.00
Williamsport.....	205.67	218.51	226.80	39.4	39.3	40.0	5.22	5.56	5.67
York.....	213.50	234.06	239.04	40.9	41.5	41.5	5.22	5.64	5.76
RHODE ISLAND.....	171.83	182.60	181.50	38.7	39.1	38.7	4.44	4.67	4.69
Providence-Warwick-Pawtucket.....	172.66	184.86	181.58	38.8	39.5	38.8	4.45	4.68	4.68
SOUTH CAROLINA.....	176.61	190.22	194.21	40.6	40.3	40.8	4.35	4.72	4.76
Charleston-North Charleston.....	197.47	215.55	219.50	40.8	40.6	40.8	4.84	5.31	5.38
Columbia.....	178.70	184.86	186.20	40.8	39.0	39.2	4.38	4.74	4.75
Greenville-Spartanburg.....	174.50	185.14	192.51	40.3	39.9	40.7	4.33	4.64	4.73
SOUTH DAKOTA.....	184.47	211.15	214.90	39.0	41.0	40.7	4.73	5.15	5.28
Rapid City.....	148.93	199.84	177.74	37.8	40.7	36.2	3.94	4.51	4.91
Sioux Falls.....	239.84	259.95	270.72	42.3	42.2	42.3	5.67	6.16	6.40
TENNESSEE.....	168.07	204.22	207.06	40.1	40.2	40.6	4.69	5.08	5.10
Chattanooga.....	198.21	209.38	213.83	40.7	40.5	41.2	4.87	5.17	5.19
Knoxville.....	229.36	231.08	252.93	41.4	40.9	41.6	5.54	5.65	6.08
Memphis.....	223.31	239.17	239.72	40.9	40.4	40.7	5.46	5.92	5.89
Nashville-Davidson.....	202.58	219.66	229.07	39.8	39.4	41.2	5.09	5.56	5.56
TEXAS.....	222.35	242.17	242.76	41.1	40.7	40.8	5.41	5.95	5.95
Amarillo.....	228.60	229.68	231.99	45.0	41.5	41.5	5.08	5.52	5.59
Austin.....	180.48	193.12	189.98	41.3	41.8	41.3	4.37	4.62	4.60
Beaumont.....	318.68	350.68	339.01	40.7	41.5	40.6	7.83	8.45	8.35
Corpus Christi.....	251.12	304.14	268.71	41.1	44.4	40.9	6.11	6.85	6.57
Dallas-Fort Worth.....	207.05	221.20	221.10	41.0	40.0	40.2	5.05	5.53	5.50
El Paso.....	135.68	171.05	173.44	40.5	38.7	42.2	3.35	4.42	4.11
Galveston-Texas City.....	343.62	384.48	390.68	41.5	43.2	43.7	8.28	8.90	8.94
Houston.....	283.76	308.30	310.43	42.8	43.3	43.6	6.63	7.12	7.12
Lubbock.....	167.69	175.17	176.06	40.9	39.1	39.3	4.10	4.48	4.48
San Antonio.....	173.87	173.12	178.99	41.3	38.3	39.6	4.21	4.52	4.52
Waco.....	182.91	205.76	210.94	40.2	41.4	41.2	4.55	4.97	5.12
Wichita Falls.....	195.23	209.35	216.14	39.6	39.5	40.4	4.93	5.30	5.35
UTAH.....	210.29	226.01	223.29	39.8	38.9	36.9	5.28	5.81	5.74
Salt Lake City-Ogden.....	197.12	217.85	214.73	39.9	39.9	39.4	4.94	5.46	5.45
VERMONT.....	193.93	206.85	211.25	41.0	40.4	41.1	4.73	5.12	5.14
Burlington.....	226.55	236.88	241.12	43.4	42.3	42.6	5.22	5.60	5.66
Springfield.....	219.18	238.96	239.04	41.2	41.2	41.5	5.32	5.80	5.76
VIRGINIA.....	188.94	202.47	204.17	40.2	39.7	39.8	4.70	5.10	5.13
Bristol.....	177.38	186.24	178.39	38.9	38.8	38.2	4.56	4.80	4.67
Lynchburg.....	194.21	208.28	205.88	40.8	40.6	39.9	4.76	5.13	5.16
Norfolk-Virginia Beach-Portsmouth.....	200.59	231.44	224.47	39.8	41.7	39.8	5.04	5.55	5.64
Northern Virginia <sup>10</sup> .....	224.80	248.05	244.08	41.4	41.9	41.3	5.43	5.92	5.91
Petersburg-Colonial Heights-Hopewell.....	250.32	253.76	244.86	42.5	39.1	38.2	5.89	6.49	6.41

See footnotes at end of table.

ESTABLISHMENT DATA  
STATE AND AREA HOURS AND EARNINGS

C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P	AUG. 1977	JULY 1978	AUG. 1978P
VIRGINIA—Continued									
Richmond .....	\$218.57	\$250.90	\$251.93	39.1	39.7	39.8	\$5.59	\$6.32	\$6.33
Roanoke .....	165.09	186.40	188.20	39.4	40.0	40.3	4.19	4.66	4.67
WASHINGTON .....	269.10	301.80	(*)	39.0	39.4	(*)	6.90	7.66	(*)
Seattle—Everett .....	273.70	306.14	(*)	39.1	39.4	(*)	7.00	7.77	(*)
Spokane .....	238.99	256.30	(*)	39.7	38.6	(*)	6.02	6.64	(*)
Tacoma .....	271.47	295.68	(*)	39.4	38.4	(*)	6.89	7.70	(*)
WEST VIRGINIA .....	241.13	260.31	270.18	39.4	39.5	39.5	6.12	6.59	6.84
Charleston .....	278.81	314.79	313.12	41.8	43.3	42.2	6.67	7.27	7.42
Huntington—Ashland .....	269.39	290.54	288.22	39.5	39.8	39.7	6.82	7.30	7.26
Parkersburg—Marietta .....	254.97	288.56	278.92	40.6	41.7	40.6	6.28	6.92	6.87
Wheeling .....	259.53	279.86	288.56	41.0	40.5	41.4	6.33	6.91	6.97
WISCONSIN .....	248.87	269.30	272.07	40.4	40.5	41.1	6.15	6.65	6.62
Appleton—Oshkosh .....	248.75	274.11	266.53	42.3	42.1	41.5	5.88	6.51	6.42
Eau Claire .....	246.84	267.17	268.29	40.2	41.1	40.4	6.13	6.51	6.65
Green Bay .....	249.87	276.41	280.58	41.8	41.5	42.9	5.98	6.66	6.54
Kenosha .....	289.90	306.30	335.57	39.8	40.5	42.2	7.29	7.57	7.96
La Crosse .....	210.40	211.92	214.87	39.8	39.2	36.8	5.29	5.40	5.53
Madison .....	268.90	276.23	275.25	40.7	39.7	40.3	6.61	6.95	6.84
Milwaukee .....	281.83	295.70	298.47	41.0	40.4	40.6	6.88	7.32	7.35
Racine .....	264.58	285.09	291.48	40.3	39.9	40.9	6.57	7.15	7.14
WYOMING .....	229.71	239.51	246.93	40.3	38.2	39.7	5.70	6.27	6.22
Casper .....	272.00	281.64	278.69	40.0	38.9	38.6	6.80	7.24	7.22
Cheyenne .....	240.26	305.69	(*)	42.6	39.7	(*)	5.64	7.70	(*)

<sup>1</sup> Based on the 1987 Standard Industrial Classification Manual.

<sup>2</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

<sup>3</sup> Subarea of New York—Northeastern New Jersey.

<sup>4</sup> Subarea of Rochester Standard Metropolitan Statistical Area.

<sup>5</sup> Area included in New York and Nassau—Suffolk combined SMSA's.

<sup>6</sup> Subarea of New York Standard Metropolitan Statistical Area.

<sup>7</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

<sup>8</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lack-

awanna County.

<sup>9</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

<sup>10</sup> Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.

\*preliminary.

† Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA**  
**LABOR TURNOVER**

**D-1. Labor turnover rates in manufacturing, 1969 to date**

(Per 100 employees)

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions													
1969	4.7	4.6	3.9	4.4	4.5	4.8	6.6	5.1	5.6	5.9	5.0	3.6	2.9
1970	4.0	4.0	3.6	3.7	3.7	4.2	5.4	4.4	5.1	4.7	3.8	3.0	2.4
1971	3.9	3.5	3.1	3.5	3.6	4.0	4.9	4.0	5.3	4.8	3.9	3.3	2.5
1972	4.5	4.1	3.7	4.0	4.1	4.9	5.4	4.7	6.1	5.4	4.8	3.7	2.7
1973	4.8	4.7	4.1	4.5	4.6	5.4	5.9	5.2	6.3	5.8	5.2	3.8	2.6
1974	4.2	4.2	3.7	4.1	4.5	5.1	5.4	4.9	5.5	4.9	3.8	2.4	1.8
1975	3.7	2.9	2.7	3.2	3.7	4.0	4.5	4.6	5.2	4.6	3.7	2.8	2.2
1976	3.9	3.9	3.5	4.2	3.9	4.5	4.8	4.2	5.1	4.4	3.5	2.9	2.2
1977	4.0	3.7	3.7	4.0	3.8	4.6	4.9	4.3	5.2	4.6	3.9	3.1	2.3
1978	-	3.8	3.2	3.7	4.0	4.7	4.8	4.3	P5.4				
New hires													
1969	3.7	3.3	3.0	3.4	3.5	3.8	5.4	3.9	4.3	4.8	4.0	2.8	2.1
1970	2.8	2.9	2.5	2.6	2.6	2.8	3.9	3.0	3.5	3.4	2.7	1.9	1.4
1971	2.6	2.0	1.9	2.2	2.3	2.7	3.5	2.7	3.4	3.4	2.7	2.2	1.6
1972	3.3	2.6	2.5	2.8	2.9	3.7	4.2	3.5	4.5	4.3	3.9	2.9	2.1
1973	3.9	3.5	3.2	3.5	3.7	4.5	5.0	4.1	5.1	4.8	4.4	3.1	2.0
1974	3.2	3.2	2.8	3.1	3.3	4.0	4.3	3.7	4.2	3.9	2.9	1.7	1.0
1975	2.0	1.3	1.2	1.3	1.6	2.0	2.5	2.6	3.1	3.1	2.5	1.8	1.3
1976	2.6	2.1	2.1	2.7	2.6	3.1	3.6	2.9	3.6	3.2	2.5	1.9	1.3
1977	2.8	2.2	2.1	2.6	2.7	3.5	3.7	3.0	4.0	3.5	2.9	2.2	1.6
1978	-	2.5	2.2	2.7	2.9	3.6	3.9	3.3	P4.1				
Recalls													
1976	1.0	1.4	1.0	1.2	1.0	1.0	.9	1.1	1.1	.8	.7	.7	.7
1977	.9	1.2	1.3	1.1	.9	.8	.8	.9	P.9	.8	.6	.6	.5
1978	-	1.0	.7	.8	.8	.8	.7	.8					
Total separations													
1969	4.9	4.5	4.0	4.4	4.5	4.6	4.6	5.3	6.2	6.6	5.4	4.3	4.2
1970	4.8	4.8	4.3	4.4	4.8	4.6	4.4	5.3	5.6	6.0	5.3	4.3	4.1
1971	4.2	4.2	3.5	3.7	3.9	3.7	3.8	4.8	5.5	5.3	4.3	3.7	3.8
1972	4.3	4.1	3.5	3.9	3.8	3.9	4.2	4.8	5.5	5.5	4.4	3.8	3.7
1973	4.7	4.3	3.8	4.3	4.2	4.4	4.5	5.2	6.5	5.8	5.0	4.2	4.0
1974	4.9	5.0	4.1	4.4	4.3	4.4	4.2	4.9	6.2	5.5	5.1	5.0	5.2
1975	4.2	6.1	4.5	4.2	4.0	3.9	3.7	4.4	4.7	4.4	4.1	3.5	3.4
1976	3.8	3.7	3.0	3.5	3.6	3.4	3.6	4.3	4.9	4.7	4.1	3.4	3.5
1977	3.8	3.9	3.4	3.4	3.4	3.5	3.5	4.2	P5.1	4.8	3.8	3.4	3.3
1978	-	3.6	3.1	3.5	3.6	3.6	3.8	4.1	P5.3				
Quits													
1969	2.7	2.3	2.1	2.4	2.6	2.7	2.6	2.7	4.0	4.4	3.0	2.1	1.6
1970	2.1	2.1	1.9	2.0	2.1	2.1	2.1	2.1	3.0	3.3	2.1	1.4	1.2
1971	1.8	1.5	1.3	1.5	1.6	1.7	1.8	1.8	2.8	2.9	2.0	1.5	1.2
1972	2.3	1.7	1.6	1.9	2.0	2.2	2.2	2.2	3.6	3.5	2.5	2.0	1.6
1973	2.8	2.3	2.1	2.5	2.5	2.8	2.8	2.8	4.6	4.0	3.1	2.3	1.6
1974	2.4	2.2	2.0	2.3	2.4	2.7	2.5	2.6	4.0	3.3	2.2	1.4	1.0
1975	1.4	1.1	.9	1.0	1.1	1.3	1.4	1.5	2.5	2.1	1.6	1.2	.9
1976	1.7	1.3	1.2	1.6	1.7	1.7	1.8	1.9	2.8	2.5	1.7	1.2	1.0
1977	1.8	1.4	1.3	1.6	1.7	1.9	1.9	1.9	P3.1	2.8	1.9	1.5	1.2
1978	-	1.5	1.4	1.8	2.0	2.1	2.2	2.1	P3.5				
Layoffs													
1969	1.2	1.2	1.0	1.0	.9	.9	1.0	1.6	1.1	1.1	1.3	1.3	1.8
1970	1.8	1.7	1.5	1.6	1.7	1.5	1.5	2.3	1.7	1.7	2.2	2.1	2.2
1971	1.6	1.9	1.4	1.4	1.4	1.2	1.2	2.1	1.8	1.5	1.5	1.5	1.8
1972	1.1	1.5	1.1	1.1	1.0	.9	1.1	1.7	.9	.9	1.0	1.0	1.3
1973	.9	1.1	.8	.8	.7	.7	.7	1.4	.8	.8	.8	1.1	1.6
1974	1.5	1.8	1.3	1.1	.9	.8	.8	1.4	1.1	1.2	1.8	2.8	3.6
1975	2.1	4.0	2.9	2.5	2.1	1.8	1.6	2.0	1.3	1.5	1.6	1.7	1.9
1976	1.3	1.6	1.0	1.1	1.1	.9	.9	1.6	1.1	1.3	1.5	1.5	1.8
1977	1.1	1.7	1.4	1.0	.9	.8	.8	1.4	P0	1.1	1.1	1.1	1.4
1978	-	1.2	.9	.9	.7	.7	.7	1.0	P.8				

p=preliminary.

ESTABLISHMENT DATA  
LABOR TURNOVER

**D-2. Labor turnover rates, by industry**

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		July 1978	Aug. 1978 <sup>P</sup>	July 1978	Aug. 1978 <sup>P</sup>	July 1978	Aug. 1978 <sup>P</sup>	July 1978	Aug. 1978 <sup>P</sup>	July 1978	Aug. 1978 <sup>P</sup>	July 1978	Aug. 1978 <sup>P</sup>
-	MANUFACTURING .....	4.3	5.4	3.3	4.1	0.8	0.9	4.1	5.3	2.1	3.5	1.0	0.8
24, 25, 32-39	DURABLE GOODS .....	3.8	4.8	2.9	3.7	.6	.8	3.6	4.9	1.8	3.0	.9	.8
20-23, 26-31	NONDURABLE GOODS .....	5.1	6.2	3.8	4.8	1.1	1.2	4.7	6.0	2.6	4.2	1.3	.8
	DURABLE GOODS												
24	LUMBER AND WOOD PRODUCTS .....	6.2	7.2	5.3	6.5	.7	.5	5.8	7.9	3.9	5.8	.7	.7
242	Sawmills and planing mills .....	5.1	-	4.4	-	.5	-	4.5	-	3.4	-	.2	-
2421	Sawmills and planing mills, general .....	4.6	-	3.9	-	.5	-	4.1	-	3.0	-	.2	-
243	Millwork, plywood, and structural members .....	6.1	-	5.3	-	.6	-	5.7	-	3.6	-	.9	-
2431	Millwork .....	5.2	-	4.7	-	.4	-	5.5	-	3.5	-	1.0	-
244	Wooden containers .....	9.7	-	8.9	-	.8	-	10.3	-	8.3	-	.9	-
245	Wood buildings and mobile homes .....	9.8	-	9.2	-	.5	-	10.8	-	7.1	-	1.4	-
2451	Mobile homes .....	11.1	-	10.4	-	.6	-	12.0	-	8.2	-	.9	-
249	Miscellaneous wood products .....	5.2	-	4.4	-	.6	-	5.6	-	3.3	-	1.2	-
25	FURNITURE AND FIXTURES .....	6.6	8.2	5.5	7.5	.9	.5	6.4	8.3	4.0	6.0	1.3	.7
251	Household furniture .....	7.3	-	6.0	-	1.2	-	7.1	-	4.4	-	1.5	-
2511	Wood household furniture .....	7.4	-	5.8	-	1.3	-	7.6	-	4.9	-	1.5	-
2512	Upholstered household furniture .....	7.0	-	5.8	-	1.1	-	6.9	-	4.1	-	1.8	-
2515	Mattresses and bedsprings .....	6.9	-	6.5	-	.2	-	5.7	-	3.5	-	.4	-
252	Office furniture .....	3.5	-	3.3	-	.1	-	3.7	-	2.3	-	.6	-
254	Partitions and fixtures .....	7.2	-	6.5	-	.5	-	6.2	-	4.1	-	.9	-
32	STONE, CLAY, AND GLASS PRODUCTS .....	4.3	4.8	3.5	4.0	.6	.6	3.8	5.4	2.1	2.5	.7	.6
322	Glass and glassware, pressed or blown .....	3.6	-	2.2	-	1.0	-	3.4	-	1.2	-	.7	-
3221	Glass containers .....	3.1	-	2.2	-	.6	-	2.6	-	1.4	-	.2	-
3229	Pressed and blown glass, nec .....	4.4	-	2.3	-	1.4	-	4.4	-	.9	-	1.3	-
323	Products of purchased glass .....	4.0	-	3.3	-	.6	-	4.7	-	2.9	-	1.0	-
324	Cement, hydraulic .....	1.6	-	1.4	-	.1	-	1.3	-	.6	-	.1	-
325	Structural clay products .....	6.2	-	5.6	-	.4	-	5.6	-	4.1	-	.4	-
326	Pottery and related products .....	4.1	-	3.4	-	.3	-	4.2	-	2.4	-	.9	-
327	Concrete, gypsum, and plaster products .....	5.5	-	4.8	-	.5	-	4.4	-	2.6	-	.7	-
329	Misc. nonmetallic mineral products .....	3.5	-	2.7	-	.6	-	3.2	-	1.7	-	.6	-
33	PRIMARY METAL INDUSTRIES .....	2.8	3.2	1.9	2.3	.6	.6	2.5	3.5	1.0	1.9	.6	.5
331	Blast furnace and basic steel products .....	2.4	-	1.4	-	.7	-	1.9	-	.4	-	.5	-
3312	Blast furnaces and steel mills .....	2.3	-	1.3	-	.7	-	1.7	-	.3	-	.5	-
332	Iron and steel foundries .....	3.5	-	2.9	-	.4	-	3.1	-	1.7	-	.4	-
3321	Gray iron foundries .....	3.0	-	2.5	-	.3	-	2.9	-	1.7	-	.3	-
3325	Steel foundries, nec .....	4.4	-	3.3	-	.9	-	3.8	-	1.5	-	1.1	-
333	Primary nonferrous metals .....	1.3	-	1.0	-	.2	-	1.7	-	.7	-	.2	-
335	Nonferrous rolling and drawing .....	2.2	-	1.6	-	.4	-	2.0	-	.8	-	.5	-
3351	Copper rolling and drawing .....	2.8	-	2.4	-	.3	-	2.9	-	1.2	-	.6	-
3353	Aluminum sheet, plate, and foil .....	1.8	-	1.3	-	.3	-	1.0	-	.3	-	.3	-
3357	Nonferrous wire drawing and insulating .....	1.9	-	1.1	-	.5	-	2.1	-	.8	-	.7	-
336	Nonferrous foundries .....	4.7	-	3.2	-	1.2	-	5.3	-	2.3	-	1.6	-
3361	Aluminum foundries .....	4.1	-	2.8	-	1.1	-	5.3	-	2.3	-	1.6	-
34	FABRICATED METAL PRODUCTS .....	4.3	5.1	3.3	4.3	.7	.6	4.0	5.4	2.2	3.6	.9	.6
341	Metal cans and shipping containers .....	4.2	-	2.1	-	1.6	-	3.3	-	1.1	-	1.0	-
3411	Metal cans .....	4.3	-	2.0	-	1.8	-	3.2	-	.9	-	1.1	-
342	Cutlery, hand tools, and hardware .....	3.6	-	2.8	-	.3	-	4.0	-	1.9	-	1.0	-
3423, 5	Hand and edge tools, and hand saws and blades .....	3.0	-	2.6	-	.3	-	3.4	-	1.8	-	.7	-
3429	Hardware, nec .....	4.1	-	3.1	-	.2	-	4.3	-	2.0	-	1.2	-
343	Plumbing and heating, except electric .....	3.4	-	2.7	-	.6	-	3.4	-	2.1	-	.6	-
344	Fabricated structural metal products .....	5.3	-	4.4	-	.7	-	4.3	-	2.7	-	.5	-
3441	Fabricated structural metal .....	6.0	-	4.9	-	1.0	-	5.0	-	3.0	-	.9	-
3442	Metal doors, sash, and trim .....	7.3	-	6.5	-	.7	-	6.4	-	4.6	-	.3	-
3443	Fabricated plate work (boiler shops) .....	3.1	-	2.6	-	.3	-	2.5	-	1.4	-	.3	-
3444	Sheet metal work .....	5.4	-	4.4	-	.9	-	4.3	-	2.7	-	.7	-
345	Screw machine products, bolts, etc. ....	3.3	-	2.8	-	.3	-	3.1	-	2.0	-	.3	-
3451	Screw machine products .....	4.1	-	3.9	-	.2	-	3.7	-	2.6	-	.2	-
3452	Bolts, nuts, rivets, and washers .....	2.5	-	1.9	-	.5	-	2.5	-	1.5	-	.3	-
346	Metal forgings and stampings .....	3.7	-	2.2	-	.8	-	3.9	-	1.4	-	1.7	-
3462	Iron and steel forgings .....	2.2	-	1.5	-	.5	-	2.4	-	1.0	-	.6	-
3465	Automotive stampings .....	3.5	-	1.2	-	.9	-	4.6	-	1.0	-	2.9	-
3469	Metal stampings, nec .....	4.5	-	3.4	-	.9	-	3.8	-	2.0	-	1.0	-
347	Metal services, nec .....	6.8	-	5.9	-	.6	-	6.7	-	4.0	-	1.0	-
348	Ordnance and accessories, nec .....	2.5	-	1.6	-	.7	-	2.3	-	.8	-	.8	-
348	Misc. fabricated metal products .....	3.9	-	3.0	-	.6	-	3.9	-	2.1	-	.9	-
3494	Valves and pipe fittings .....	2.6	-	2.0	-	.4	-	2.7	-	1.3	-	.6	-
3496	Misc. fabricated wire products .....	6.2	-	4.7	-	1.4	-	5.6	-	3.3	-	1.5	-

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**LABOR TURNOVER**

**D-2. Labor turnover rates, by industry—Continued**

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		July 1978	Aug 1978 <sup>p</sup>	July 1978	Aug 1978 <sup>p</sup>	July 1978	Aug 1978 <sup>p</sup>	July 1978	Aug 1978 <sup>p</sup>	July 1978	Aug 1978 <sup>p</sup>	July 1978	Aug 1978 <sup>p</sup>
35	MACHINERY, EXCEPT ELECTRICAL .....	2.8	3.4	2.3	2.7	0.3	0.5	2.6	3.5	1.3	2.2	0.5	0.4
351	Engines and turbines .....	2.6	-	1.4	-	.7	-	1.6	-	.6	-	.1	-
3511	Turbines and turbine generator sets .....	1.8	-	.8	-	(1)	-	1.9	-	.5	-	.1	-
3519	Internal combustion engines, nec .....	3.0	-	1.7	-	1.1	-	1.4	-	.7	-	.1	-
352	Farm and garden machinery .....	3.3	-	2.0	-	.9	-	4.8	-	1.6	-	2.4	-
3523	Farm machinery and equipment .....	3.1	-	1.8	-	.7	-	3.4	-	1.4	-	1.2	-
353	Construction and related machinery .....	2.7	-	2.4	-	.2	-	2.3	-	1.4	-	.2	-
3531	Construction machinery .....	2.2	-	1.9	-	.3	-	1.6	-	.9	-	.1	-
3533	Oil field machinery .....	4.0	-	3.7	-	.1	-	3.6	-	2.4	-	.2	-
354	Metalworking machinery .....	2.5	-	2.1	-	.3	-	2.5	-	1.3	-	.6	-
3541	Machine tools, metal cutting types .....	1.8	-	1.6	-	.1	-	1.8	-	.9	-	.3	-
3544	Special dies, tools, jigs, and fixtures .....	3.1	-	2.7	-	.1	-	2.7	-	1.5	-	.5	-
3545	Machine tool accessories .....	3.1	-	2.1	-	.7	-	3.1	-	1.2	-	1.1	-
355	Special industry machinery .....	2.6	-	2.1	-	.5	-	2.6	-	1.3	-	.5	-
3551	Food products machinery .....	2.2	-	1.8	-	.2	-	2.2	-	1.2	-	.3	-
3552	Textile machinery .....	3.9	-	2.2	-	1.4	-	4.2	-	1.8	-	1.5	-
356	General industrial machinery .....	2.4	-	2.0	-	.2	-	2.1	-	1.1	-	.4	-
3561	Pumps and pumping equipment .....	1.9	-	1.7	-	.1	-	1.7	-	1.2	-	.2	-
3562	Ball and roller bearings .....	2.4	-	2.0	-	.2	-	1.6	-	.6	-	.3	-
3564	Blowers and fans .....	2.8	-	2.4	-	.3	-	2.6	-	1.5	-	.5	-
357	Office and computing machines .....	2.7	-	2.3	-	.2	-	2.1	-	1.1	-	.1	-
3573	Electronic computing equipment .....	2.4	-	2.1	-	(1)	-	2.0	-	1.0	-	(1)	-
358	Refrigeration and service machinery .....	3.1	-	2.4	-	.5	-	3.1	-	1.5	-	.7	-
3585	Refrigeration and heating equipment .....	3.1	-	2.2	-	.6	-	3.0	-	1.4	-	.6	-
359	Misc. machinery, except electrical .....	3.8	-	3.4	-	.3	-	3.5	-	2.2	-	.5	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT .....	3.5	4.2	2.4	3.2	.6	.6	3.4	4.2	1.5	2.5	.9	.
361	Electric distributing equipment .....	2.7	-	1.9	-	.2	-	2.6	-	1.2	-	.3	-
3612	Transformers .....	2.7	-	2.0	-	.2	-	2.4	-	1.2	-	.4	-
3613	Switchgear and switchboard apparatus .....	2.8	-	1.8	-	.3	-	2.7	-	1.3	-	.2	-
362	Electrical industrial apparatus .....	1.9	-	1.4	-	.2	-	2.5	-	1.1	-	.5	-
3621	Motors and generators .....	1.8	-	1.4	-	.1	-	2.8	-	1.2	-	.8	-
3622	Industrial controls .....	1.9	-	1.2	-	.4	-	2.0	-	.8	-	.2	-
363	Household appliances .....	4.8	-	2.5	-	1.6	-	4.8	-	1.8	-	1.5	-
3632	Household refrigerators and freezers .....	3.4	-	1.3	-	1.1	-	4.6	-	1.5	-	.6	-
3633	Household laundry equipment .....	2.4	-	1.5	-	.5	-	1.4	-	.6	-	.1	-
3634	Electric housewares and fans .....	6.5	-	4.8	-	1.3	-	4.5	-	2.8	-	.6	-
364	Electric lighting and wiring equipment .....	4.1	-	2.6	-	1.1	-	4.6	-	1.8	-	1.9	-
3641	Electric lamps .....	2.0	-	.8	-	.8	-	2.5	-	.5	-	1.0	-
3643	Current-carrying wiring devices .....	4.1	-	2.7	-	.9	-	3.4	-	1.4	-	1.2	-
365	Radio and TV receiving equipment .....	6.8	-	4.1	-	1.3	-	7.0	-	2.5	-	2.4	-
3651	Radio and TV receiving sets .....	6.1	-	4.0	-	.4	-	6.9	-	2.6	-	2.2	-
366	Communication equipment .....	2.4	-	1.8	-	.3	-	1.8	-	.9	-	.4	-
3661	Telephone and telegraph apparatus .....	2.2	-	1.5	-	.5	-	1.7	-	.7	-	.5	-
3662	Radio and TV communication equipment .....	2.5	-	2.0	-	.2	-	1.9	-	1.0	-	.4	-
367	Electronic components and accessories .....	4.2	-	3.3	-	.6	-	4.0	-	2.1	-	.7	-
3671-3	Electronic tubes .....	2.5	-	1.7	-	.2	-	3.4	-	.9	-	1.3	-
3674	Semiconductors and related devices .....	3.1	-	2.7	-	.2	-	2.6	-	1.3	-	.1	-
3679	Electronic components, nec .....	5.3	-	4.1	-	.9	-	4.8	-	2.8	-	1.0	-
369	Misc. electrical equipment and supplies .....	3.4	-	2.2	-	.5	-	3.1	-	1.5	-	.4	-
3694	Engine electrical equipment .....	2.6	-	1.9	-	.3	-	2.6	-	1.3	-	.5	-
37	TRANSPORTATION EQUIPMENT .....	3.6	-	2.4	-	.8	-	3.7	-	1.4	-	1.5	-
371	Motor vehicles and equipment .....	2.9	-	1.8	-	.5	-	3.4	-	1.1	-	1.6	-
3711	Motor vehicles and car bodies .....	2.8	-	1.5	-	.7	-	3.9	-	1.0	-	2.3	-
3713	Truck and bus bodies .....	2.9	-	2.7	-	.2	-	2.5	-	1.5	-	.5	-
3714	Motor vehicle parts and accessories .....	2.8	-	1.8	-	.5	-	2.9	-	.9	-	1.1	-
3715	Truck trailers .....	5.2	-	4.9	-	.1	-	4.8	-	3.2	-	.3	-
372	Aircraft and parts .....	2.8	-	2.3	-	.2	-	1.6	-	.9	-	.2	-
3721	Aircraft .....	2.9	-	2.3	-	.3	-	1.3	-	.8	-	.1	-
3724	Aircraft engines and engine parts .....	2.1	-	1.7	-	.1	-	1.4	-	.5	-	.4	-
3728	Aircraft equipment, nec .....	3.6	-	3.2	-	.3	-	2.6	-	1.6	-	.1	-
373	Ship and boat building and repairing .....	7.9	-	4.3	-	3.4	-	7.2	-	2.7	-	3.0	-
3731	Ship building and repairing .....	8.2	-	3.8	-	4.3	-	7.9	-	2.4	-	3.7	-
3732	Boat building and repairing .....	7.0	-	6.2	-	.6	-	5.2	-	3.8	-	.4	-
374	Railroad equipment .....	4.6	-	2.5	-	1.6	-	3.7	-	.7	-	1.6	-
376	Guided missiles, space vehicles, parts .....	2.0	-	1.4	-	.2	-	1.3	-	.5	-	.2	-
3761	Guided missiles and space vehicles .....	1.9	-	1.3	-	.3	-	1.1	-	.5	-	.2	-
379	Miscellaneous transportation equipment .....	7.0	-	6.2	-	.7	-	13.1	-	6.1	-	5.4	-
38	INSTRUMENTS AND RELATED PRODUCTS .....	2.5	3.1	2.1	2.6	.2	.2	2.3	3.3	1.3	2.4	.3	.2
381	Engineering and scientific instruments .....	2.0	-	1.8	-	.1	-	1.8	-	1.2	-	.3	-
382	Measuring and controlling devices .....	2.8	-	2.3	-	.1	-	2.1	-	1.3	-	.2	-
3822	Environmental controls .....	2.0	-	1.5	-	.2	-	2.2	-	1.2	-	.3	-
3823	Process control instruments .....	2.4	-	2.2	-	.1	-	2.1	-	1.3	-	.2	-
3825	Instruments to measure electricity .....	3.5	-	2.8	-	.1	-	2.0	-	1.4	-	.1	-

See footnotes at end of table.

ESTABLISHMENT DATA  
LABOR TURNOVER

D-2. Labor turnover rates, by industry—Continued

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		July 1978	Aug. 1978 <sup>p</sup>	July 1978	Aug. 1978 <sup>p</sup>	July 1978	Aug. 1978 <sup>p</sup>	July 1978	Aug. 1978 <sup>p</sup>	July 1978	Aug. 1978 <sup>p</sup>	July 1978	Aug. 1978 <sup>p</sup>
383	INSTRUMENTS AND RELATED PRODUCTS—Cont'd												
384	Optical instruments and lenses	2.1	—	1.9	—	0.1	—	1.7	—	1.3	—	( <sup>1</sup> )	—
384	Medical instruments and supplies	2.4	—	2.0	—	.3	—	2.7	—	1.5	—	.3	—
3841	Surgical and medical instruments	2.0	—	1.6	—	.3	—	2.3	—	1.4	—	.2	—
3842	Surgical appliances and supplies	2.8	—	2.4	—	.3	—	3.2	—	1.8	—	.4	—
385	Ophthalmic goods	3.6	—	2.8	—	.8	—	4.1	—	2.0	—	1.0	—
386	Photographic equipment and supplies	1.7	—	1.5	—	.1	—	1.8	—	.6	—	.1	—
387	Watches, clocks, and watchcases	4.2	—	3.3	—	.5	—	4.0	—	2.2	—	.4	—
39	MISCELLANEOUS MANUFACTURING												
	INDUSTRIES	6.5	7.8	5.1	6.5	1.2	1.0	5.8	7.4	2.9	4.9	1.8	0.8
391	Jewelry, silverware, and plated ware	8.9	—	6.3	—	2.5	—	7.6	—	3.5	—	3.2	—
393	Musical instruments	4.6	—	3.2	—	1.1	—	5.0	—	3.3	—	.9	—
394	Toys and sporting goods	8.0	—	6.2	—	1.4	—	7.0	—	3.1	—	2.6	—
3942.4	Dolls, games, toys, and children's vehicles	10.8	—	8.9	—	1.5	—	6.9	—	3.8	—	1.3	—
3949	Sporting and athletic goods, nec	5.4	—	3.8	—	1.3	—	7.1	—	2.6	—	3.7	—
395	Pens, pencils, office and art supplies	3.8	—	3.1	—	.5	—	4.2	—	2.2	—	1.1	—
396	Costume jewelry and notions	6.4	—	5.2	—	1.1	—	6.2	—	3.8	—	1.3	—
399	Miscellaneous manufactures	5.4	—	4.5	—	.8	—	4.5	—	2.3	—	1.0	—
	NONDURABLE GOODS												
20	FOOD AND KINDRED PRODUCTS	8.1	10.4	5.8	7.7	2.1	2.4	6.0	8.1	3.3	5.7	1.9	1.5
201	Meat products	7.3	—	5.7	—	1.2	—	7.0	—	4.8	—	1.3	—
2011	Meat packing plants	4.8	—	2.8	—	1.6	—	4.1	—	1.8	—	1.6	—
2013	Sausages and other prepared meats	4.5	—	3.7	—	.7	—	4.6	—	2.3	—	1.3	—
2016	Poultry dressing plants	13.2	—	11.5	—	1.1	—	12.7	—	10.8	—	.8	—
202	Dairy products	3.9	—	3.4	—	.4	—	3.5	—	2.3	—	.6	—
203	Preserved fruits and vegetables	23.5	—	15.1	—	8.2	—	11.8	—	4.9	—	6.0	—
204	Grain mill products	4.4	—	3.5	—	.7	—	3.4	—	2.1	—	.6	—
205	Bakery products	3.3	—	2.9	—	.2	—	3.2	—	2.1	—	.4	—
2051	Bread, cake, and related products	3.2	—	3.0	—	.1	—	3.1	—	2.3	—	.2	—
2052	Cookies and crackers	3.3	—	2.6	—	.7	—	3.4	—	1.6	—	1.2	—
206	Sugar and confectionery products	6.4	—	3.2	—	3.0	—	5.9	—	1.8	—	3.4	—
207	Fats and oils	3.9	—	3.4	—	.4	—	3.9	—	2.3	—	.7	—
208	Beverages	5.2	—	4.5	—	.5	—	4.3	—	2.7	—	.6	—
2082	Malt beverages	3.3	—	1.7	—	1.4	—	3.2	—	.6	—	1.6	—
2086	Bottled and canned soft drinks	6.3	—	6.1	—	.1	—	5.2	—	4.0	—	.1	—
209	Misc. foods and kindred products	10.3	—	6.5	—	3.6	—	7.8	—	3.8	—	3.1	—
21	TOBACCO MANUFACTURES	3.3	—	1.2	—	.8	—	1.9	—	.9	—	.3	—
211	Cigarettes	1.4	—	.6	—	( <sup>1</sup> )	—	.9	—	.3	—	( <sup>1</sup> )	—
22	TEXTILE MILL PRODUCTS	5.2	5.8	3.9	4.9	1.0	.5	5.5	6.2	3.2	4.7	1.3	.4
221	Weaving mills, cotton	3.3	—	2.5	—	.2	—	3.8	—	2.6	—	.4	—
222	Weaving mills, synthetics	5.7	—	3.6	—	1.7	—	5.5	—	3.1	—	1.5	—
223	Weaving and finishing mills, wool	6.5	—	5.1	—	1.0	—	6.3	—	3.8	—	1.2	—
224	Narrow fabric mills	4.5	—	3.1	—	1.2	—	5.6	—	2.7	—	1.9	—
225	Knitting mills	6.0	—	4.9	—	.8	—	6.6	—	4.0	—	1.5	—
2261	Women's hosiery, except socks	6.3	—	5.7	—	.4	—	5.3	—	4.2	—	.1	—
2252	Hosiery, nec	5.9	—	5.2	—	.3	—	5.9	—	4.5	—	.7	—
2253	Knit outerwear mills	6.7	—	5.1	—	1.4	—	6.9	—	4.0	—	1.5	—
2254	Knit underwear mills	5.9	—	4.6	—	1.2	—	6.1	—	4.2	—	1.3	—
2257	Circular knit fabric mills	5.1	—	4.2	—	.5	—	8.7	—	3.2	—	4.1	—
226	Textile finishing, except wool	5.1	—	2.9	—	1.4	—	5.3	—	2.0	—	2.4	—
227	Floor covering mills	4.2	—	3.5	—	.6	—	3.2	—	2.1	—	.3	—
228	Yarn and thread mills	6.8	—	5.1	—	1.4	—	6.9	—	4.4	—	1.5	—
229	Miscellaneous textile goods	4.2	—	2.7	—	1.1	—	4.1	—	1.9	—	1.3	—
23	APPAREL AND OTHER TEXTILE PRODUCTS	6.1	7.4	4.2	5.3	1.6	1.7	7.1	7.0	3.7	5.0	2.3	1.0
231	Men's and boys' suits and coats	4.0	—	1.9	—	1.7	—	5.0	—	1.8	—	2.6	—
232	Men's and boys' furnishings	5.6	—	4.2	—	1.2	—	6.7	—	4.1	—	1.7	—
2321	Men's and boys' shirts and nightwear	5.9	—	4.3	—	1.3	—	6.9	—	4.1	—	2.0	—
2327	Men's and boys' separate trousers	5.3	—	4.2	—	1.0	—	7.2	—	3.8	—	2.7	—
2328	Men's and boys' work clothing	5.1	—	4.2	—	.7	—	6.3	—	4.8	—	.4	—
233	Women's and misses' outerwear	6.5	—	4.2	—	2.1	—	7.0	—	3.4	—	2.6	—
234	Women's and children's undergarments	7.0	—	4.6	—	2.2	—	7.5	—	4.1	—	2.2	—
2341	Women's and children's underwear	7.9	—	5.1	—	2.6	—	7.9	—	4.5	—	2.1	—
2342	Brasieres and allied garments	3.6	—	2.6	—	.8	—	6.0	—	2.6	—	2.8	—
236	Children's outerwear	4.0	—	3.4	—	.5	—	7.3	—	3.7	—	2.5	—
238	Misc. apparel and accessories	6.9	—	3.9	—	2.8	—	9.7	—	3.9	—	4.5	—
239	Misc. fabricated textile products	7.5	—	5.8	—	1.4	—	7.8	—	4.2	—	2.0	—
26	PAPER AND ALLIED PRODUCTS	2.8	3.5	2.2	2.9	.4	—4	2.8	4.5	1.4	2.8	.6	.6
261,2,6	Paper and pulp mills	1.6	—	1.3	—	.1	—	1.4	—	.7	—	.3	—
262	Paper mills, except building paper	1.5	—	1.2	—	.1	—	1.3	—	.6	—	.3	—

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**LABOR TURNOVER**

**D-2. Labor turnover rates, by industry—Continued**

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		July 1978	Aug. 1978 <sup>p</sup>	July 1978	Aug. 1978 <sup>p</sup>	July 1978	Aug. 1978 <sup>p</sup>	July 1978	Aug. 1978 <sup>p</sup>	July 1978	Aug. 1978 <sup>p</sup>	July 1978	Aug. 1978 <sup>p</sup>
	<b>PAPER AND ALLIED PRODUCTS—Continued</b>												
263	Paperboard mills .....	1.6	—	1.1	—	0.3	—	2.3	—	0.7	—	0.3	—
264	Misc. converted paper products .....	3.5	—	2.9	—	.4	—	3.0	—	1.7	—	.4	—
265	Paperboard containers and boxes .....	3.6	—	2.9	—	.6	—	4.1	—	1.9	—	1.1	—
2651	Folding paperboard boxes .....	3.9	—	2.9	—	.7	—	3.2	—	1.5	—	.7	—
2653	Corrugated and solid fiber boxes .....	3.1	—	2.8	—	.2	—	3.8	—	2.0	—	.8	—
27	<b>PRINTING AND PUBLISHING</b> .....	3.6	3.9	3.1	3.5	.4	0.4	3.4	4.3	2.1	3.1	.5	0.5
271	Newspapers .....	3.3	—	3.0	—	.1	—	3.1	—	2.5	—	.2	—
272	Periodicals .....	3.8	—	3.4	—	.2	—	2.5	—	1.7	—	.2	—
273	Books .....	3.6	—	2.5	—	.4	—	2.9	—	1.6	—	.9	—
274	Miscellaneous publishing .....	3.6	—	3.2	—	.3	—	3.4	—	1.8	—	.5	—
275	Commercial printing .....	3.4	—	2.7	—	.6	—	3.4	—	1.7	—	.6	—
2751	Commercial printing, letterpress .....	3.8	—	2.9	—	.8	—	4.4	—	2.0	—	.6	—
2752	Commercial printing, lithographic .....	3.1	—	2.6	—	.4	—	2.7	—	1.4	—	.7	—
278	Blankbooks and bookbinding .....	5.0	—	4.2	—	.7	—	4.0	—	2.9	—	.5	—
28	<b>CHEMICALS AND ALLIED PRODUCTS</b> .....	1.9	1.9	1.5	1.6	.3	.2	1.7	3.0	.8	1.8	.4	.3
281	Industrial inorganic chemicals .....	1.7	—	1.3	—	.2	—	1.2	—	.5	—	.2	—
2819	Industrial inorganic chemicals, nec .....	1.7	—	1.3	—	.3	—	1.2	—	.5	—	.3	—
282	Plastics materials and synthetics .....	1.3	—	1.0	—	.2	—	1.1	—	.6	—	.1	—
2821	Plastics materials and resins .....	1.5	—	1.1	—	.1	—	1.3	—	.7	—	.1	—
2824	Organic fibers, noncellulosic .....	1.1	—	.8	—	.2	—	1.0	—	.5	—	.2	—
283	Drugs .....	1.5	—	1.3	—	.1	—	1.4	—	.7	—	.2	—
2834	Pharmaceutical preparations .....	1.6	—	1.4	—	.1	—	1.4	—	.8	—	.3	—
284	Soap, cleaners, and toilet goods .....	3.7	—	2.7	—	.9	—	2.1	—	1.0	—	.4	—
2841	Soap and other detergents .....	2.6	—	1.9	—	.7	—	1.4	—	.7	—	.2	—
2844	Toilet preparations .....	5.1	—	3.5	—	1.4	—	2.7	—	1.2	—	.5	—
285	Paints and allied products .....	2.5	—	2.1	—	.2	—	2.2	—	1.3	—	.2	—
286	Industrial organic chemicals .....	1.3	—	.9	—	.1	—	1.2	—	.5	—	.1	—
287	Agricultural chemicals .....	2.4	—	1.8	—	.5	—	3.8	—	1.2	—	2.1	—
289	Miscellaneous chemical products .....	2.2	—	1.7	—	.4	—	2.6	—	1.1	—	.9	—
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	2.1	2.1	1.8	1.9	.1	.1	1.8	3.0	.9	1.8	.3	.3
291	Petroleum refining .....	1.3	—	1.2	—	(1)	—	1.2	—	.4	—	.3	—
295	Paving and roofing materials .....	5.7	—	4.7	—	.5	—	4.5	—	2.9	—	.6	—
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b> .....	5.2	6.3	4.1	5.3	.8	.7	4.9	7.0	2.9	4.8	.8	.7
301	Tires and inner tubes .....	1.8	—	1.1	—	.3	—	1.3	—	.6	—	.1	—
302	Rubber and plastics footwear .....	4.9	—	4.1	—	.6	—	7.9	—	5.9	—	1.1	—
303.4	Reclaimed rubber, and rubber and plastics hose and belting .....	3.1	—	2.4	—	.3	—	3.6	—	1.9	—	.7	—
306	Fabricated rubber products, nec .....	4.3	—	3.1	—	.7	—	4.0	—	1.9	—	.9	—
307	Miscellaneous plastics products .....	6.5	—	5.3	—	.9	—	5.9	—	3.7	—	1.0	—
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	9.1	12.0	5.7	7.6	2.9	3.9	9.6	10.5	4.6	7.6	3.6	1.5
311	Leather tanning and finishing .....	5.5	—	3.3	—	2.1	—	5.7	—	2.3	—	2.6	—
314	Footwear, except rubber .....	10.0	—	6.2	—	3.2	—	10.2	—	5.2	—	3.7	—
3143	Men's footwear, except athletic .....	7.9	—	6.1	—	1.5	—	7.5	—	5.2	—	1.5	—
3144	Women's footwear, except athletic .....	9.2	—	6.4	—	2.3	—	11.8	—	5.6	—	5.1	—
	<b>NONMANUFACTURING:</b>												
	<b>MINING</b> .....	4.4	5.2	3.5	4.3	.4	.5	3.7	6.1	2.5	4.1	.3	.8
10	<b>METAL MINING</b> .....	2.6	3.0	2.1	2.6	.2	.1	2.5	4.6	1.5	2.8	(2)	.9
101	Iron ores .....	2.2	—	1.7	—	.3	—	1.1	—	.5	—		
102	Copper ores .....	1.6	—	1.0	—	.2	—	2.0	—	.7	—	.4	—
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> ....	1.5	1.9	1.2	1.2	.1	.2	1.6	3.3	.6	1.1	.4	1.5
13	<b>OIL AND GAS EXTRACTION</b> .....	6.6	7.9	5.1	6.7	.6	.8	5.3	8.6	3.9	6.4	.2	.5
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	2.4	—	1.8	—	.5	—	1.7	—	1.1	—	.1	—
138	Oil and gas field services .....	9.6	—	7.7	—	.7	—	8.0	—	5.9	—	.2	—
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	4.1	4.0	3.6	3.7	.4	.2	3.2	4.4	2.2	3.0	.4	.5
142	Crushed and broken stone .....	3.6	—	3.3	—	.2	—	2.7	—	2.0	—	.1	—
144	Sand and gravel .....	5.6	—	5.2	—	.4	—	3.2	—	2.2	—	.3	—
	<b>COMMUNICATION:</b>												
481	Telephone communication .....	1.6	—	—	—	(1)	—	1.0	—	.5	—	.1	—

<sup>1</sup> Less than 0.05.

<sup>p</sup>Preliminary.

ESTABLISHMENT DATA  
SEASONALLY ADJUSTED LABOR TURNOVER

**D-3. Labor turnover rates in manufacturing, 1969 to date, seasonally adjusted**

[Per 100 employees]

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total accessions</b>												
1969 .....	4.9	4.8	4.9	4.9	4.7	5.0	4.7	4.5	4.7	4.6	4.5	4.6
1970 .....	4.4	4.4	4.0	4.0	4.1	4.1	4.1	3.9	3.9	3.8	3.7	3.8
1971 .....	3.8	3.7	3.7	3.8	3.8	3.8	3.8	4.0	4.0	3.9	4.0	4.2
1972 .....	4.3	4.3	4.4	4.4	4.4	4.3	4.3	4.5	4.5	4.6	4.7	4.9
1973 .....	5.0	5.2	5.1	4.9	4.8	4.7	4.6	4.6	4.8	4.8	5.0	4.7
1974 .....	4.7	4.6	4.5	4.7	4.5	4.3	4.2	4.1	4.0	3.8	3.3	3.1
1975 .....	3.0	3.1	3.2	3.8	3.6	3.8	4.0	4.0	3.8	3.9	3.9	3.9
1976 .....	4.2	4.2	4.2	4.1	3.9	3.8	3.8	3.7	3.7	3.8	3.8	4.0
1977 .....	4.0	4.4	4.1	3.9	3.9	3.9	3.9	3.7	3.9	4.0	4.1	4.4
1978 .....	4.2	4.0	3.9	4.2	4.0	3.9	3.8	p3.8	3.9			
<b>New hires</b>												
1969 .....	3.7	3.8	3.9	3.8	3.7	3.9	3.6	3.5	3.7	3.6	3.5	3.5
1970 .....	3.4	3.2	2.9	2.8	2.7	2.8	2.8	2.7	2.6	2.5	2.4	2.4
1971 .....	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.5	2.7	2.9
1972 .....	3.0	3.1	3.2	3.2	3.3	3.2	3.2	3.3	3.4	3.6	3.7	4.0
1973 .....	4.0	4.2	4.1	4.0	4.0	3.8	3.7	3.7	3.8	3.9	4.1	3.8
1974 .....	3.8	3.7	3.6	3.5	3.5	3.3	3.2	3.1	3.0	2.7	2.3	1.9
1975 .....	1.6	1.6	1.5	1.7	1.8	1.9	2.3	2.3	2.3	2.4	2.5	2.5
1976 .....	2.6	2.8	2.9	2.8	2.7	2.7	2.6	2.5	2.4	2.5	2.5	2.6
1977 .....	2.7	2.8	2.9	2.8	3.0	2.8	2.7	p2.7	2.7	2.8	2.9	3.3
1978 .....	3.1	3.0	3.0	3.1	3.0	3.0	2.9	p2.8				
<b>Total separations</b>												
1969 .....	4.6	4.9	4.9	4.8	4.8	5.0	4.8	4.9	4.9	5.0	4.9	4.9
1970 .....	5.0	5.2	4.9	5.2	5.0	4.8	4.5	4.8	4.8	5.0	4.7	4.4
1971 .....	4.3	4.1	4.0	4.1	4.2	4.1	4.2	4.6	4.3	4.1	4.1	4.1
1972 .....	4.2	4.1	4.2	4.2	4.2	4.5	4.5	4.2	4.3	4.1	4.3	4.4
1973 .....	4.6	4.7	4.8	4.6	4.6	4.7	4.9	4.6	4.5	4.7	4.8	4.8
1974 .....	5.1	5.0	4.9	4.7	4.5	4.5	4.6	4.7	4.5	4.8	5.1	4.9
1975 .....	5.2	5.0	4.6	4.6	4.6	4.3	4.0	3.9	3.8	3.8	3.8	3.5
1976 .....	3.6	3.6	3.9	3.9	3.8	3.9	3.9	3.9	3.9	3.9	3.7	3.7
1977 .....	4.0	4.1	3.7	3.7	3.8	3.8	3.9	p3.9	3.8	3.7	3.9	3.9
1978 .....	3.8	3.8	3.8	4.0	3.9	4.0		p3.8				
<b>Quits</b>												
1969 .....	2.7	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6
1970 .....	2.5	2.5	2.3	2.3	2.1	2.1	2.1	2.0	2.0	1.9	1.8	1.9
1971 .....	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9
1972 .....	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.5	2.6
1973 .....	2.8	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.9	2.9	2.7
1974 .....	2.7	2.8	2.7	2.6	2.6	2.5	2.5	2.3	2.3	2.0	1.8	1.7
1975 .....	1.4	1.3	1.2	1.2	1.3	1.4	1.4	1.5	1.4	1.5	1.6	1.5
1976 .....	1.6	1.7	1.9	1.8	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.7
1977 .....	1.9	1.9	1.8	1.8	1.9	1.8	1.8	1.8	p1.8	1.9	1.9	2.0
1978 .....	2.0	2.0	2.0	2.2	2.1	2.1	2.0	p2.0				
<b>Layoffs</b>												
1969 .....	1.0	1.1	1.1	1.0	1.1	1.3	1.1	1.2	1.2	1.3	1.3	1.4
1970 .....	1.5	1.7	1.8	1.9	1.9	1.9	1.6	1.9	1.9	2.2	2.0	1.7
1971 .....	1.7	1.5	1.5	1.5	1.6	1.5	1.5	2.0	1.7	1.5	1.4	1.3
1972 .....	1.2	1.2	1.1	1.2	1.2	1.4	1.4	1.1	1.0	1.0	.9	.9
1973 .....	.9	.8	.9	.8	.9	.9	1.2	1.0	.9	.8	1.0	1.1
1974 .....	1.4	1.3	1.2	1.1	1.0	1.1	1.2	1.4	1.3	1.8	2.4	2.5
1975 .....	2.9	2.9	2.7	2.6	2.5	2.2	1.7	1.7	1.7	1.5	1.5	1.3
1976 .....	1.2	1.0	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.3	1.2
1977 .....	1.3	1.4	1.1	1.1	1.1	1.2	1.2	1.3	1.1	1.1	1.0	1.0
1978 .....	.9	.9	1.0	.9	1.0	1.0	.9	p1.0				

p=preliminary.

**ESTABLISHMENT DATA**  
**STATE AND AREA LABOR TURNOVER**

**D-4. Labor turnover rates in manufacturing for selected States and areas**

[ Per 100 employees ]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	June 1978	July 1978 <sup>p</sup>	June 1978	July 1978 <sup>p</sup>	June 1978	July 1978 <sup>p</sup>	June 1978	July 1978 <sup>p</sup>	June 1978	July 1978 <sup>p</sup>	June 1978	July 1978 <sup>p</sup>
<b>ALABAMA:</b>												
Birmingham	3.6	3.1	2.9	2.5	0.5	0.3	3.3	2.6	1.4	1.3	0.8	0.5
Mobile	6.7	7.3	4.0	1.7	2.6	5.5	8.2	10.2	2.4	1.4	4.5	8.0
<b>ALASKA</b>	36.0	16.1	30.6	14.1	4.0	1.8	7.6	13.7	5.2	7.7	1.5	4.7
<b>ARIZONA</b>	6.3	5.1	5.6	4.6	.5	.4	4.7	4.3	3.0	2.7	.4	.5
Phoenix	6.4	5.4	5.8	4.9	.4	.4	4.8	4.4	3.0	2.8	.4	.5
<b>ARKANSAS</b>	7.2	6.3	6.1	5.4	.6	.6	6.9	7.1	4.9	4.9	.8	1.1
Fort Smith	7.5	8.0	5.9	6.7	1.5	1.1	7.8	8.4	5.4	6.2	.6	.2
Little Rock-North Little Rock	5.8	4.5	5.2	4.0	.4	.3	6.2	5.0	3.6	3.4	1.4	.7
Pine Bluff	3.9	5.7	3.3	4.8	.3	.6	4.3	6.0	3.0	4.6	.6	.8
<b>COLORADO<sup>2</sup></b>	6.7	5.9	6.0	5.2	.3	.6	4.9	4.5	3.4	3.0	.5	.6
Denver-Boulder <sup>2</sup>	6.4	5.4	5.6	5.0	.5	.3	5.1	4.6	3.4	3.0	.6	.6
<b>CONNECTICUT</b>	3.2	2.4	2.6	2.0	.3	.2	2.3	2.3	1.4	1.3	.2	.4
Hartford	3.2	2.5	2.6	2.1	.2	.2	1.8	1.7	1.2	1.1	.1	.1
<b>DELAWARE<sup>1</sup></b>	3.1	2.8	1.8	1.5	.2	.5	2.8	7.0	.9	.8	.8	5.5
Wilmington <sup>1</sup>	2.8	2.6	1.5	1.2	.2	.6	1.7	7.1	.7	.6	.5	5.9
<b>FLORIDA</b>	6.2	5.4	5.5	4.8	.6	.4	6.2	5.7	3.5	3.4	1.5	1.1
Fort Lauderdale-Hollywood	7.1	6.9	6.7	6.7	.4	.2	6.7	5.4	4.6	3.9	.5	.3
Jacksonville	7.0	3.8	5.8	3.1	1.0	.5	5.5	4.1	3.0	2.4	1.4	.9
Miami	5.1	3.7	4.7	3.5	.3	.2	4.8	5.0	2.8	3.1	1.0	.9
Orlando	5.5	4.4	5.1	3.9	.2	.1	4.9	4.4	3.0	2.1	1.1	1.6
Pensacola	2.0	1.5	1.6	1.4	.3	.1	1.7	2.5	1.0	1.0	.1	.8
Tampa-St. Petersburg	7.4	6.1	6.7	5.7	.6	.3	7.8	5.5	5.2	4.2	1.6	.2
West Palm Beach-Boca Raton	4.6	6.2	4.2	5.6	.3	.5	4.0	6.0	2.1	3.7	.9	.9
<b>GEORGIA</b>	5.1	4.4	4.2	3.8	.5	.3	4.1	4.2	2.7	3.0	.4	.3
Atlanta <sup>3</sup>	4.3	4.1	3.0	3.6	.8	.4	3.1	3.4	1.8	2.4	.5	.3
<b>HAWAII<sup>4</sup></b>	2.5	1.9	1.6	1.2	.6	.5	2.0	3.4	.9	1.1	.6	1.9
<b>IDAHO<sup>5</sup></b>	8.5	6.2	6.4	5.5	1.8	.6	5.8	5.1	3.9	3.7	.5	.5
<b>ILLINOIS:</b>												
Chicago SMSA	4.2	3.3	3.6	2.8	.3	.2	3.3	3.0	1.8	1.6	.3	.2
<b>INDIANA</b>	4.1	3.5	3.1	2.5	.4	.4	3.2	3.1	1.7	1.6	.5	.6
Indianapolis <sup>6</sup>	3.9	2.8	2.7	1.8	.4	.2	2.6	2.4	1.3	1.2	.2	.5
<b>IOWA</b>	3.7	3.6	2.8	2.6	.6	.7	3.3	2.8	1.7	1.6	.9	.7
Cedar Rapids	3.3	3.5	1.9	2.4	1.1	.8	2.4	2.0	1.1	1.1	.8	.4
Des Moines	4.9	5.0	3.4	3.9	.3	.2	4.3	3.5	2.1	2.1	1.1	.1
<b>KANSAS</b>	5.6	5.1	5.1	4.4	.4	.5	4.5	5.4	3.2	3.6	.4	1.0
Topeka	4.0	2.2	3.6	1.8	.4	.4	3.8	9.2	2.3	1.9	.7	6.5
Wichita	6.0	6.2	5.4	5.5	.4	.5	4.3	4.8	3.2	3.4	(7)	.1
<b>KENTUCKY</b>	3.6	3.1	2.5	2.4	.4	.4	3.1	2.8	1.6	1.6	.5	.3
Louisville	3.6	2.5	2.2	1.6	.5	.3	3.0	2.0	1.0	.8	.4	.2
<b>LOUISIANA:</b>												
New Orleans	5.7	4.6	5.0	4.0	.5	.2	4.7	5.3	2.8	2.5	.8	1.7
<b>MAINE</b>	8.1	6.2	6.0	4.7	1.8	1.3	6.3	5.5	3.6	3.2	1.6	1.4
Portland	6.0	3.8	5.4	3.6	.3	.1	3.9	4.0	2.8	2.5	.2	.7
<b>MARYLAND</b>	3.7	3.2	2.5	2.0	.9	1.1	2.9	4.2	1.1	1.2	1.1	2.4
Baltimore	3.5	3.2	2.5	1.9	.8	1.1	2.8	4.8	1.0	1.1	1.2	3.0
<b>MASSACHUSETTS</b>	4.7	4.7	3.9	2.7	.5	1.7	3.3	5.5	2.0	1.8	.5	2.5
Boston	4.5	3.2	3.9	2.5	.3	.6	2.9	3.9	1.7	1.4	.4	1.3
<b>MICHIGAN</b>	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Detroit	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Flint	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Grand Rapids	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Lansing-East Lansing	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)

See footnotes at end of table.

ESTABLISHMENT DATA  
STATE AND AREA LABOR TURNOVER

**D-4. Labor turnover rates in manufacturing for selected States and areas—Continued**

{ Per 100 employees }

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	June 1978	July 1978 <sup>p</sup>	June 1978	July 1978 <sup>p</sup>	June 1978	July 1978 <sup>p</sup>	June 1978	July 1978 <sup>p</sup>	June 1978	July 1978 <sup>p</sup>	June 1978	July 1978 <sup>p</sup>
<b>MINNESOTA</b>	5.9	4.0	5.0	3.3	0.7	0.5	3.3	3.5	2.1	2.0	0.5	0.8
Minneapolis—St. Paul	4.9	3.1	4.3	2.7	.3	.2	2.9	2.6	1.8	1.7	.4	.2
<b>MISSISSIPPI:</b>												
Jackson	3.5	5.1	3.3	4.1	.2	.9	3.9	5.1	1.7	2.8	1.3	.2
<b>MISSOURI</b>	4.1	3.4	3.2	2.8	.5	.4	3.4	3.5	2.1	2.1	.5	.7
Kansas City	3.9	3.3	3.1	2.9	.6	.3	3.2	4.3	1.9	2.1	.5	1.3
St. Louis	3.7	2.6	2.9	2.1	.5	.4	2.7	2.2	1.3	1.2	.6	.4
<b>MONTANA</b>	6.5	3.5	5.4	2.6	(*)	(*)	3.6	2.6	1.7	1.6	.8	.3
<b>NEBRASKA</b>	4.8	4.4	4.3	3.7	.3	.4	4.2	4.0	3.0	2.9	.4	.3
<b>NEVADA</b>	9.2	8.3	8.4	7.6	.3	.3	10.2	9.0	7.3	5.8	.9	1.1
<b>NEW HAMPSHIRE</b>	4.6	4.4	4.1	3.7	.4	.5	4.2	4.9	3.1	2.6	.3	1.5
<b>NEW JERSEY:</b>												
Camden <sup>8</sup>	5.0	3.8	3.6	1.7	.7	2.0	4.3	4.7	1.5	1.4	1.6	2.6
Hackensack	4.6	3.4	3.4	2.5	.9	.8	3.5	4.8	1.8	1.7	.7	2.1
Jersey City	4.2	3.8	3.0	2.4	1.1	1.3	3.1	5.0	1.1	1.0	1.0	3.0
Newark	3.6	3.2	3.1	2.2	.4	.8	3.0	3.9	1.3	1.2	.8	1.7
New Brunswick—Perth Amboy—Sayreville	4.4	4.4	3.9	3.0	.3	1.2	3.1	4.4	1.6	1.4	.6	1.6
Paterson—Clifton—Passaic	4.8	4.3	3.6	2.7	1.0	1.2	3.4	5.6	1.8	1.6	.6	2.9
Trenton	2.7	4.0	1.9	2.0	.6	1.8	2.4	3.7	1.0	1.0	.6	2.1
<b>NEW YORK</b>	4.4	4.4	3.0	2.6	1.1	1.7	3.7	5.0	1.3	1.3	1.6	2.9
Albany—Schenectady—Troy	3.5	2.9	2.1	1.5	.7	.9	2.7	3.8	.9	1.1	.7	1.6
Binghamton	3.0	2.9	2.5	2.1	.3	.7	2.3	5.7	1.2	1.3	.4	3.8
Buffalo	3.4	3.2	1.9	2.2	1.2	.7	2.1	3.4	.7	.8	.6	1.8
Elmira	3.1	4.4	2.1	2.4	.6	1.8	3.3	3.2	1.0	1.2	1.3	.8
Monroe County <sup>9</sup>	3.7	2.3	3.3	1.8	.3	.4	1.6	2.0	.8	.8	.3	.9
Nassau—Suffolk <sup>10</sup>	6.1	4.8	5.0	3.9	.9	.8	6.2	5.6	2.7	2.2	2.3	2.3
New York and Nassau—Suffolk	5.0	5.0	3.4	2.9	1.6	2.0	4.4	6.1	1.4	1.4	2.1	3.8
New York SMSA <sup>10</sup>	4.8	5.0	2.9	2.6	1.7	2.3	4.0	6.2	1.1	1.2	2.1	4.1
New York City <sup>11</sup>	5.0	5.3	3.0	2.7	1.9	2.5	4.2	6.8	1.1	1.2	2.3	4.6
Rochester	4.0	3.5	3.3	2.3	.6	1.0	1.8	2.3	.9	.9	.4	1.0
Syracuse	3.9	3.6	2.9	1.9	.9	1.5	2.3	3.6	1.1	.9	.5	2.1
Utica—Rome	3.6	3.2	2.9	1.8	.5	1.4	2.3	4.2	1.0	1.0	.6	2.6
Westchester County	3.0	3.4	2.5	2.1	.4	1.0	2.3	2.9	.9	1.1	.8	1.1
<b>NORTH CAROLINA</b>	4.9	4.7	4.3	4.0	.3	.3	4.4	4.3	3.2	3.3	.3	.2
Charlotte—Gastonia	5.4	5.7	4.8	5.1	.3	.4	5.2	5.7	3.8	4.1	.4	.4
Greensboro—Winston-Salem—High Point	4.7	4.1	4.2	3.4	.1	.1	4.4	3.6	3.0	2.8	.5	.1
<b>NORTH DAKOTA</b>	5.5	6.1	4.9	5.1	.4	.6	7.7	6.1	3.2	3.2	3.8	1.9
Fargo—Moorhead	5.9	7.2	3.6	5.8	2.1	1.0	3.3	3.1	2.1	2.2	.4	( <sup>7</sup> )
<b>OHIO</b>	3.7	2.7	2.7	1.9	(*)	(*)	2.3	2.4	1.1	1.1	.4	.5
Akron	2.4	2.2	1.8	1.6	(*)	(*)	1.4	1.9	.7	1.1	.3	.1
Canton	5.4	2.5	3.0	1.1	(*)	(*)	3.1	2.4	1.2	.8	.5	.5
Cincinnati	3.3	2.7	2.6	2.3	(*)	(*)	2.1	2.1	1.0	1.2	.3	.2
Cleveland	3.7	3.1	2.9	2.2	(*)	(*)	2.6	2.9	1.3	1.3	.3	.6
Columbus	3.3	2.4	2.8	2.0	(*)	(*)	2.5	2.6	1.4	1.4	.3	.4
Dayton	2.8	2.1	2.4	1.7	(*)	(*)	1.8	1.9	.9	.9	.1	.3
Toledo	3.6	2.4	2.5	1.4	(*)	(*)	2.3	2.0	1.1	.9	.3	.3
Youngstown—Warren	3.4	2.1	1.6	1.1	(*)	(*)	2.0	2.0	.6	.4	.2	.7
<b>OKLAHOMA</b>	6.9	6.8	6.1	6.2	.6	.4	6.3	6.6	4.6	5.2	.5	.3
Oklahoma City	6.5	5.8	5.8	5.4	.6	.4	6.2	5.8	4.2	4.6	.9	.4
Tulsa <sup>12</sup>	6.8	7.2	6.2	6.7	.3	.2	5.7	6.9	4.3	4.9	.2	.5
<b>OREGON</b> <sup>1</sup>	7.0	4.3	5.8	3.9	.9	.3	4.3	4.0	2.7	2.7	.7	.4
Portland <sup>1</sup>	7.0	5.2	5.7	4.5	1.0	.6	4.8	4.6	2.6	2.8	1.0	.7
<b>PENNSYLVANIA</b>	3.5	2.9	2.4	1.8	.8	.9	2.5	3.0	1.1	1.1	.7	1.2
Allentown—Bethlehem—Easton	3.1	2.8	2.2	1.6	.8	1.0	2.1	3.2	1.0	.9	.6	1.8
Altoona	2.4	4.8	1.6	1.0	.5	3.6	1.5	5.5	.6	.8	.5	4.4
Erie	4.2	2.5	2.9	1.4	.9	.8	2.8	3.5	1.2	1.0	.6	1.4
Harrisburg	4.5	4.5	3.1	3.4	1.2	.9	2.6	2.7	1.6	1.6	.3	.6
Johnstown	4.3	2.0	1.5	.8	2.7	1.2	2.5	2.8	1.1	.6	.8	.8
Lancaster	4.0	3.2	3.7	2.7	.2	.4	2.9	3.1	1.9	2.0	.3	.5

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA LABOR TURNOVER**

**D-4. Labor turnover rates in manufacturing for selected States and areas—Continued**

[ Per 100 employees ]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	June 1978	July 1978 <sup>p</sup>	June 1978	July 1978 <sup>p</sup>	June 1978	July 1978 <sup>p</sup>	June 1978	July 1978 <sup>p</sup>	June 1978	July 1978 <sup>p</sup>	June 1978	July 1978 <sup>p</sup>
<b>PENNSYLVANIA—Continued</b>												
Northeast Pennsylvania	3.1	4.5	1.9	1.6	0.9	2.7	3.2	5.9	1.3	1.1	1.3	4.1
Philadelphia SMSA	3.7	2.5	2.5	1.6	.8	.8	2.7	2.9	1.1	1.0	.8	1.2
Pittsburgh	3.1	2.6	1.7	1.5	1.0	.9	1.7	1.9	.5	.5	.5	.6
Reading	3.3	3.7	2.5	1.9	.6	1.6	2.7	4.3	1.4	1.5	.6	2.2
Scranton <sup>13</sup>	2.9	3.5	1.7	1.5	1.0	1.9	2.8	4.5	.9	.7	1.6	2.9
Wilkes-Barre—Hazleton <sup>13</sup>	3.0	4.2	1.8	1.4	.7	2.5	2.9	5.9	1.4	1.2	.8	4.3
Williamsport	3.1	2.0	2.5	1.5	.5	.4	2.0	3.2	1.1	1.0	.6	.9
York	4.3	4.8	3.7	3.5	.4	1.1	3.3	3.9	2.1	2.2	.6	1.1
<b>RHODE ISLAND</b>	5.6	6.5	4.7	4.8	.6	1.4	4.9	5.4	3.1	2.9	.8	1.2
Providence—Warwick—Pawtucket	5.7	6.5	4.9	4.6	.5	1.6	5.2	5.7	3.3	2.9	.8	1.6
<b>SOUTH CAROLINA</b>	4.5	5.3	3.8	3.2	.4	1.8	4.2	5.4	2.8	2.7	.4	1.9
Charleston—North Charleston	4.9	6.4	4.3	3.5	.5	2.7	4.4	6.9	3.3	2.6	.1	3.3
Columbia	4.2	4.1	3.8	3.7	.1	.3	3.7	4.0	2.5	2.3	.2	.7
Greenville—Spartanburg	5.0	5.6	4.3	3.6	.4	1.8	4.4	5.6	3.1	2.9	.3	1.8
<b>SOUTH DAKOTA</b>	6.6	5.2	5.7	4.7	.7	.4	4.1	4.3	3.2	3.0	.2	.3
Sioux Falls	3.8	4.4	3.4	3.9	.4	.5	3.3	2.9	2.4	2.3	.5	.2
<b>TENNESSEE:</b>												
Memphis	3.8	3.8	3.3	3.3	.3	.3	3.5	3.5	2.1	2.1	.5	.5
<b>TEXAS:</b>												
Dallas—Fort Worth	6.8	5.9	6.5	5.5	.3	.2	5.7	5.4	4.1	3.9	.3	.2
Houston	5.6	4.9	5.3	4.6	.2	.2	5.0	4.5	3.7	3.3	.1	.2
San Antonio	5.6	5.0	5.0	4.6	.2	.2	4.8	5.4	3.3	3.6	.4	.4
<b>UTAH</b> <sup>4</sup>	6.8	6.3	6.0	5.5	.5	.5	4.8	4.7	3.5	3.4	.2	.6
Salt Lake City—Ogden <sup>4</sup>	6.7	6.9	6.1	6.6	.4	.2	4.8	5.2	3.4	3.7	.4	.8
<b>VERMONT</b>	5.2	5.1	4.5	3.0	.3	1.6	3.7	4.3	2.0	1.9	.8	1.7
Burlington	6.5	3.8	5.5	2.4	.2	.3	2.1	1.6	1.0	.8	.7	.5
Springfield	3.5	3.7	3.2	2.5	.2	1.2	2.4	3.1	1.4	1.2	.4	1.0
<b>VIRGINIA</b>	4.2	3.5	3.4	2.6	.4	.6	3.6	3.6	2.2	2.1	.4	.5
Richmond	2.6	2.3	2.0	1.5	.1	.5	1.6	2.1	.8	.9	(7)	.5
<b>WASHINGTON:</b>												
Seattle—Everett <sup>14</sup>	5.6	(*)	4.4	(*)	.8	(*)	3.3	(*)	1.9	(*)	.6	(*)
<b>WISCONSIN</b>	4.6	5.1	3.4	3.5	.8	1.1	3.0	3.2	1.5	1.5	.6	.9
Milwaukee	3.9	3.3	2.9	2.2	.6	.6	2.7	3.1	1.2	1.2	.4	1.0
<b>WYOMING</b>	10.8	7.7	9.2	5.9	1.6	1.6	8.2	6.7	5.0	4.7	2.2	.7

<sup>1</sup> Excludes canning and preserving.

<sup>2</sup> Based on the 1967 Standard Industrial Classification Manual.

<sup>3</sup> Excludes agricultural chemicals, and miscellaneous manufacturing.

<sup>4</sup> Excludes canned fruits, vegetables, preserves, jams, and jellies.

<sup>5</sup> Excludes canning and preserving, and sugar.

<sup>6</sup> Excludes canning and preserving, and newspapers.

<sup>7</sup> Less than 0.05.

<sup>8</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

<sup>9</sup> Subarea of Rochester Standard Metropolitan Statistical Area.

<sup>10</sup> Area included in New York and Nassau-Suffolk combined SMSA's.

<sup>11</sup> Subarea of New York Standard Metropolitan Statistical Area.

<sup>12</sup> Excludes new-hire rate for transportation equipment.

<sup>13</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.

<sup>14</sup> Excludes canning and preserving, printing and publishing.

<sup>p</sup>=preliminary.

<sup>\*</sup> Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

**STATE AND AREA UNEMPLOYMENT DATA**

**E-1. Labor force and unemployment by State and selected metropolitan areas**

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	AUG. 1977	JUL. 1978	AUG. 1978P	AUG. 1977	JUL. 1978	AUG. 1978P	AUG. 1977	JUL. 1978	AUG. 1978P
ALABAMA .....	1,552.5	1,605.7	1,592.9	114.6	104.4	89.3	7.4	6.5	5.6
Birmingham .....	364.3	379.3	377.7	24.2	20.5	17.5	6.6	5.4	4.6
Huntsville .....	127.4	133.5	132.0	8.8	8.2	8.1	6.9	6.2	6.2
Mobile .....	175.5	183.6	180.6	14.6	12.7	11.5	8.3	6.9	6.4
Montgomery .....	109.9	116.0	115.3	6.3	6.8	6.0	5.7	5.8	5.2
Tuscaloosa .....	52.5	51.1	51.1	3.8	3.4	3.1	7.2	6.6	6.0
ALASKA .....	178.9	193.4	194.6	13.7	18.8	18.1	7.6	9.7	9.3
ARIZONA .....	972.3	985.5	986.0	82.5	61.5	53.8	8.5	6.2	5.5
Phoenix .....	569.8	587.6	589.3	42.8	31.4	28.0	7.5	5.3	4.7
Tucson .....	184.5	181.1	181.8	16.2	10.1	9.0	8.8	5.6	5.0
ARKANSAS .....	939.9	943.1	938.1	54.8	57.6	53.6	5.8	6.1	5.7
Fayetteville-Springdale .....	68.6	71.1	70.0	2.9	4.0	3.0	4.2	5.7	4.2
Fort Smith <sup>1</sup> .....	80.4	84.1	82.6	5.0	5.1	5.4	6.3	6.0	6.5
Little Rock-North Little Rock .....	179.8	181.2	180.2	8.1	8.3	8.0	4.5	4.6	4.5
Pine Bluff .....	35.5	36.0	36.1	2.0	2.6	2.5	5.7	7.3	7.0
CALIFORNIA <sup>2</sup> .....	10,365.3	10,716.0	10,691.4	818.8	868.3	744.7	7.9	8.1	7.0
Anaheim-Santa Ana-Garden Grove .....	935.2	995.1	995.5	54.8	57.9	61.4	5.9	5.8	6.2
Bakersfield .....	172.4	177.8	174.7	14.1	15.1	14.6	8.2	8.5	8.4
Fresno .....	262.8	261.1	270.4	19.3	22.4	20.6	7.3	8.6	7.6
Los Angeles-Long Beach <sup>2</sup> .....	3,393.0	3,473.0	3,425.0	285.0	274.0	192.0	8.4	7.9	5.6
Modesto .....	135.4	137.4	142.4	11.3	19.3	12.0	8.3	14.1	8.4
Oxnard-Simi Valley-Ventura .....	198.9	206.8	211.7	17.8	19.4	24.2	9.0	9.4	11.4
Riverside-San Bernardino-Ontario .....	512.0	546.6	538.9	45.3	44.4	45.7	8.8	8.1	8.5
Sacramento .....	436.9	456.5	461.0	33.5	39.9	37.3	7.7	8.7	8.1
Salinas-Seaside-Monterey .....	125.6	130.0	132.8	8.6	9.3	9.6	6.8	7.1	7.2
San Diego .....	654.7	681.5	683.8	55.0	56.0	51.3	8.4	8.2	7.5
San Francisco-Oakland .....	1,544.7	1,571.6	1,565.8	113.5	113.5	107.4	7.3	7.2	6.9
San Jose .....	626.0	672.1	675.7	37.4	47.9	40.6	6.0	7.1	6.0
Santa Barbara-Santa Maria-Lompoc .....	133.7	136.5	136.0	9.5	10.7	10.1	7.1	7.8	7.4
Santa Rosa .....	115.1	117.7	118.4	10.5	10.1	9.0	9.1	8.6	7.6
Stockton .....	162.5	166.2	170.1	12.3	22.3	15.8	7.6	13.4	9.3
Vallejo-Fairfield-Napa .....	119.8	124.1	124.5	8.5	9.1	7.9	7.1	7.4	6.4
COLORADO .....	1,268.2	1,319.1	1,315.7	75.4	72.8	67.4	5.9	5.5	5.1
Denver-Boulder .....	732.4	763.0	764.0	42.8	40.1	37.5	5.8	5.3	4.9
CONNECTICUT .....	1,515.8	1,528.7	1,520.9	101.6	67.9	69.0	6.7	4.4	4.5
Bridgeport .....	183.4	185.8	184.2	13.2	9.3	8.5	7.2	5.0	4.6
Hartford .....	358.9	365.1	366.5	23.5	13.9	15.7	6.6	3.8	4.3
New Britain .....	72.6	70.5	70.6	5.3	2.8	3.8	7.3	4.0	5.4
New Haven-West Haven .....	198.9	196.9	196.3	15.5	8.4	8.4	7.8	4.3	4.3
Stamford .....	112.5	120.9	118.6	5.4	4.7	4.0	4.8	3.9	3.3
Waterbury .....	108.1	107.2	108.5	7.8	5.6	5.6	7.2	5.3	5.1
DELAWARE .....	274.5	280.9	284.4	22.4	23.8	27.7	8.2	8.5	9.8
Wilmington <sup>1</sup> .....	237.2	N.A.	N.A.	20.2	N.A.	N.A.	8.5	N.A.	N.A.
DISTRICT OF COLUMBIA .....	332.2	339.6	338.1	33.6	33.4	32.0	10.1	9.8	9.5
Washington SMSA <sup>1</sup> .....	1,565.9	1,590.5	1,584.5	82.9	78.1	75.8	5.3	4.9	4.8
FLORIDA <sup>2</sup> .....	3,544.0	3,828.8	3,712.8	258.7	260.9	244.6	7.3	6.8	6.6
Fort Lauderdale-Hollywood .....	353.4	380.2	369.3	27.4	26.1	24.1	7.8	6.9	6.5
Jacksonville .....	298.1	315.2	303.6	17.3	19.3	17.5	5.8	6.1	5.8
Miami .....	695.0	744.1	726.3	54.5	52.5	49.6	7.8	7.1	6.8
Orlando .....	279.0	300.8	291.2	20.1	19.2	17.5	7.2	6.4	6.0
Pensacola .....	109.8	119.3	115.8	5.1	7.1	6.0	4.7	5.9	5.2
Tampa-St. Petersburg .....	545.1	595.0	576.3	38.1	38.4	34.8	7.0	6.5	6.0
West Palm Beach-Boca Raton .....	189.1	205.0	199.1	16.2	15.9	14.9	8.6	7.8	7.5
GEORGIA .....	2,296.6	2,330.6	2,360.1	159.3	139.6	151.8	6.9	6.0	6.4
Atlanta .....	864.4	873.4	878.2	63.0	50.3	60.6	7.3	5.8	6.9
Augusta <sup>1</sup> .....	122.9	125.2	129.3	9.7	7.5	8.3	7.9	6.0	6.4
Columbus <sup>1</sup> .....	88.6	88.9	89.3	6.9	6.2	6.2	7.8	6.9	7.0
Macon .....	105.6	104.1	105.0	8.4	6.8	6.7	7.9	6.6	6.4
Savannah .....	88.0	88.8	89.0	7.0	5.6	5.8	7.9	6.3	6.5

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

## E-1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	AUG. 1977	JUL. 1978	AUG. 1978P	AUG. 1977	JUL. 1978	AUG. 1978P	AUG. 1977	JUL. 1978	AUG. 1978P
HAWAII .....	413.3	413.0	410.7	27.9	30.8	30.5	6.7	7.5	7.4
Honolulu .....	324.8	324.1	322.1	21.6	23.5	23.2	6.7	7.2	7.2
IDAHO .....	409.7	428.1	426.8	22.9	20.5	21.3	5.6	4.8	5.0
Boise City .....	79.8	88.1	88.5	2.5	2.6	2.4	3.1	3.0	2.7
ILLINOIS <sup>2</sup> .....	5,314.7	5,409.2	5,427.0	334.2	344.9	325.2	6.3	6.4	6.0
Bloomington-Normal .....	59.0	60.1	60.7	2.1	2.7	2.3	3.6	4.5	3.8
Champaign-Urbana-Rantoul .....	71.1	74.6	73.4	3.1	3.9	3.6	4.4	5.2	5.0
Chicago .....	3,402.4	3,450.2	3,473.5	211.6	216.3	203.1	6.2	6.3	5.8
Deavenport-Rock Island-Moline <sup>1</sup> .....	174.0	181.6	181.2	8.5	9.5	8.6	4.9	5.2	4.8
Decatur .....	60.2	62.0	62.3	4.3	6.0	5.9	7.1	9.7	9.4
Peoria .....	172.5	178.1	179.0	9.5	9.4	8.7	5.5	5.3	4.9
Rockford .....	131.1	137.4	137.0	10.2	7.8	7.0	7.8	5.7	5.1
Springfield .....	102.4	99.2	104.4	5.3	6.2	6.1	5.2	6.2	5.8
INDIANA .....	2,472.4	2,584.8	2,580.6	124.6	145.0	135.3	5.0	5.6	5.2
Evansville <sup>1</sup> .....	135.6	140.1	140.4	6.6	6.6	8.4	4.9	4.7	6.0
Fort Wayne .....	177.2	185.3	185.6	7.8	8.7	8.4	4.4	4.7	4.5
Gary-Hammond-East Chicago .....	287.6	296.4	297.0	16.8	17.1	15.6	5.8	5.8	5.3
Indianapolis .....	550.3	572.8	572.3	28.5	30.1	27.9	5.2	5.3	4.9
Muncie .....	53.6	57.2	56.4	2.5	4.4	4.1	4.7	7.7	7.2
South Bend .....	130.4	137.6	136.6	5.4	7.8	7.3	4.1	5.6	5.4
Terre Haute .....	74.5	78.9	79.0	3.4	4.3	3.9	4.6	5.4	4.9
IOWA .....	1,402.1	1,451.6	1,422.6	54.0	53.5	45.9	3.9	3.7	3.2
Cedar Rapids .....	82.8	85.7	85.3	2.9	2.7	2.1	3.6	3.2	2.4
Des Moines .....	171.7	177.8	176.1	7.4	6.9	6.4	4.3	3.9	3.7
Dubuque .....	44.6	45.3	44.7	2.5	2.4	2.0	5.6	5.2	4.4
Sioux City <sup>1</sup> .....	58.6	58.5	57.6	2.4	3.5	3.3	4.1	6.0	5.7
Waterloo-Cedar Falls .....	65.0	66.9	65.3	2.9	3.4	2.6	4.4	5.0	3.9
KANSAS .....	1,135.4	1,162.1	1,157.1	45.7	36.8	35.4	4.0	3.2	3.1
Topeka .....	94.4	96.3	95.9	3.7	3.6	3.5	3.9	3.7	3.6
Wichita .....	211.6	213.7	214.1	10.4	7.6	7.0	4.9	3.5	3.3
KENTUCKY .....	1,539.9	1,583.9	1,608.7	66.6	84.1	84.9	4.3	5.3	5.3
Lexington-Fayette .....	155.1	160.8	163.3	4.9	6.3	5.5	3.2	3.9	3.4
Louisville <sup>1</sup> .....	400.7	418.8	426.0	19.7	22.2	24.0	4.9	5.3	5.6
LOUISIANA .....	1,571.7	1,622.4	1,617.2	111.3	118.8	107.2	7.1	7.3	6.6
Baton Rouge .....	190.9	204.0	202.3	15.1	14.4	12.6	7.9	7.1	6.2
Lake Charles .....	65.8	65.2	64.4	5.1	5.7	5.0	7.8	8.8	7.8
Monroe .....	51.0	54.3	53.9	3.9	4.1	3.9	7.6	7.5	7.3
New Orleans .....	463.6	468.0	465.8	36.4	32.6	31.7	7.8	7.0	6.8
Shreveport .....	147.8	153.5	152.4	9.1	10.6	9.5	6.2	6.9	6.2
MAINE .....	488.5	493.4	489.0	33.6	32.7	24.5	6.9	6.6	5.0
Lewiston-Auburn .....	36.0	36.9	36.2	2.7	3.2	1.4	7.6	8.7	3.9
Portland .....	83.1	87.8	86.5	5.2	4.4	3.4	6.3	5.0	4.0
MARYLAND .....	1,967.0	2,073.4	2,053.8	110.5	101.7	97.6	5.6	4.9	4.8
Baltimore .....	968.4	1,060.4	1,047.7	60.6	58.1	55.4	6.3	5.5	5.3
MASSACHUSETTS <sup>2</sup> .....	2,851.4	2,934.1	2,905.1	258.8	186.3	195.2	9.1	6.3	6.7
Boston .....	1,361.8	1,422.5	1,403.9	123.6	85.9	90.5	9.1	6.0	6.4
Brockton .....	80.2	82.6	82.5	8.6	5.2	5.4	10.8	6.4	6.6
Fall River <sup>1</sup> .....	77.3	83.0	82.8	6.9	5.6	5.0	8.9	6.8	6.1
Lawrence-Haverhill <sup>1</sup> .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Lowell <sup>1</sup> .....	110.8	116.2	115.4	10.7	8.1	8.5	9.7	7.0	7.4
New Bedford .....	84.2	83.1	82.0	9.4	7.1	6.8	11.1	8.5	8.2
Springfield-Chicopee-Holyoke <sup>1</sup> .....	274.5	281.5	280.8	21.7	17.1	19.3	7.9	6.1	6.9
Worcester .....	195.8	200.6	197.1	15.1	11.6	11.2	7.7	5.8	5.7
MICHIGAN <sup>2</sup> .....	4,161.6	4,225.9	4,198.8	383.7	307.4	337.1	9.2	7.3	8.0
Ann Arbor .....	127.7	131.4	131.1	9.4	7.9	8.1	7.3	6.0	6.2
Battle Creek .....	82.6	82.5	81.7	7.3	5.4	5.6	8.8	6.6	6.8
Bay City .....	52.4	54.5	53.4	4.2	3.6	3.5	8.0	6.7	6.5
Detroit .....	1,984.3	2,000.4	2,009.7	181.2	142.0	164.0	9.1	7.1	8.2
Flint .....	220.6	226.4	221.2	26.0	18.0	25.2	11.8	7.9	11.4

See footnotes at end of table.

**STATE AND AREA UNEMPLOYMENT DATA**

**E-1. Labor force and unemployment by State and selected metropolitan areas—Continued**

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	AUG. 1977	JUL. 1978	AUG. 1978P	AUG. 1977	JUL. 1978	AUG. 1978P	AUG. 1977	JUL. 1978	AUG. 1978P
<b>MICHIGAN—Continued</b>									
Grand Rapids .....	280.2	289.9	285.7	18.3	16.2	14.9	6.5	5.6	5.2
Jackson .....	65.8	65.6	64.6	5.6	3.7	3.5	8.5	5.6	5.5
Kalamazoo—Portage .....	129.2	131.4	128.9	8.7	8.6	7.9	6.7	6.5	6.2
Lansing—East Lansing .....	219.2	227.2	220.9	26.7	17.2	23.7	12.2	7.6	10.7
Muskegon—Norton Shores—Muskegon Heights .....	77.2	78.4	76.7	7.1	7.4	6.4	9.2	9.5	8.4
Saginaw .....	100.7	103.8	103.1	7.8	5.8	6.3	7.9	5.6	6.1
<b>MINNESOTA</b>									
Duluth—Superior .....	1,957.2	2,050.3	2,025.9	86.5	76.8	67.3	4.4	3.7	3.3
Minneapolis—St. Paul .....	1,015.0	1,063.3	1,045.6	41.6	36.1	32.4	4.1	3.4	3.1
<b>MISSISSIPPI</b>									
Jackson .....	978.1	986.7	976.6	71.7	80.6	78.1	7.3	8.2	8.0
139.5	141.4	141.1	8.7	8.3	8.1	6.3	5.9	5.7	
<b>MISSOURI</b>									
Kansas City <sup>1</sup> .....	2,234.2	2,273.3	2,257.9	131.6	116.9	117.5	5.9	5.1	5.2
St. Joseph .....	669.0	681.6	676.2	44.0	30.1	30.4	6.6	4.4	4.5
45.8	45.2	44.3	2.7	2.8	2.1	5.8	6.1	4.8	
St. Louis <sup>1</sup> .....	1,070.4	1,079.7	1,080.0	69.1	60.8	69.5	6.5	5.6	6.4
Springfield .....	98.4	98.7	99.1	4.4	4.2	4.1	4.5	4.2	4.1
<b>MONTANA</b>									
Billings .....	371.5	381.2	380.7	21.2	22.4	19.8	5.7	5.9	5.2
54.4	52.1	51.3	2.4	2.4	2.2	4.4	4.5	4.3	
Great Falls .....	36.5	35.1	34.7	2.2	2.4	2.2	6.1	6.9	6.4
<b>NEBRASKA</b>									
Lincoln .....	776.8	797.0	783.0	27.3	22.3	20.7	3.5	2.8	2.6
105.0	108.2	108.8	2.9	2.3	2.6	2.7	2.1	2.4	
Omaha <sup>1</sup> .....	276.2	282.2	279.6	14.4	11.2	10.2	5.2	4.0	3.6
<b>NEVADA</b>									
Las Vegas .....	330.2	344.4	344.4	21.1	13.9	12.5	6.4	4.0	3.6
177.7	180.8	181.7	13.2	8.3	7.6	7.4	4.6	4.2	
Reno .....	93.0	103.7	103.4	4.0	2.3	2.1	4.3	2.2	2.1
<b>NEW HAMPSHIRE</b>									
Manchester .....	425.2	N.A.	N.A.	21.8	N.A.	N.A.	5.1	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
<b>NEW JERSEY<sup>2</sup></b>									
Atlantic City .....	3,388.0	3,484.9	3,502.3	323.2	275.9	236.3	9.5	7.9	6.7
91.8	95.0	N.A.	9.2	8.0	N.A.	10.0	8.5	N.A.	
Jersey City .....	259.4	257.2	N.A.	34.6	30.3	N.A.	13.3	11.8	N.A.
Long Branch—Asbury Park .....	226.6	233.2	N.A.	20.2	18.6	N.A.	8.9	8.0	N.A.
Newark .....	933.4	964.7	N.A.	88.5	75.2	N.A.	9.5	7.9	N.A.
New Brunswick—Perth Amboy—Sayreville .....	298.1	314.2	N.A.	26.4	24.0	N.A.	8.9	7.6	N.A.
Paterson—Clifton—Passaic .....	209.7	215.8	N.A.	24.4	20.3	N.A.	11.6	9.4	N.A.
Trenton .....	153.5	156.5	N.A.	11.0	9.3	N.A.	7.2	6.0	N.A.
Vineland—Millville—Bridgeton .....	59.6	63.2	N.A.	7.6	7.1	N.A.	12.8	11.2	N.A.
<b>NEW MEXICO</b>									
Albuquerque .....	519.0	538.8	537.4	38.8	29.5	30.1	7.5	5.5	5.6
190.4	196.2	197.1	15.7	10.6	11.3	8.3	5.4	5.7	
<b>NEW YORK<sup>2</sup></b>									
Albany—Schenectady—Troy .....	7,875.5	8,039.8	8,026.2	627.3	613.6	584.0	8.0	7.6	7.3
364.8	369.0	374.1	18.8	21.4	19.8	5.1	5.8	5.3	
Binghamton <sup>1</sup> .....	134.9	136.9	138.9	8.0	9.0	7.8	5.9	6.6	5.6
Buffalo .....	571.5	579.6	583.5	41.5	47.6	47.7	7.3	8.2	8.2
Elmira .....	40.8	41.4	41.4	3.2	3.1	2.9	7.9	7.6	7.0
Nassau—Suffolk .....	1,223.2	1,293.7	1,295.2	85.7	92.9	87.8	7.0	7.2	6.8
New York .....	3,672.4	3,709.2	3,665.7	358.5	312.9	297.0	9.8	8.4	8.1
New York City <sup>2</sup> .....	3,090.0	3,112.0	3,062.0	322.0	274.0	256.0	10.4	8.8	8.4
Poughkeepsie .....	98.2	102.7	103.2	4.5	5.2	5.1	4.5	5.0	4.9
Rochester .....	453.9	458.3	462.7	24.0	26.5	24.8	5.3	5.8	5.4
Syracuse .....	287.2	298.3	301.0	16.3	19.6	19.4	5.7	6.6	6.4
Utica—Rome .....	139.0	140.4	142.1	8.9	9.2	8.7	6.4	6.6	6.2
<b>NORTH CAROLINA</b>									
Asheville .....	2,690.2	2,756.0	2,723.0	141.9	124.8	101.6	5.3	4.5	3.7
83.3	88.2	85.1	3.4	5.0	3.0	4.0	5.6	3.5	
Charlotte—Gastonia .....	319.9	325.9	322.0	14.9	10.5	9.8	4.7	3.2	3.0
Greensboro—Winston-Salem—High Point .....	403.2	410.6	405.5	19.4	16.4	14.0	4.9	4.0	3.5
Raleigh—Durham .....	258.8	267.3	266.4	10.5	7.3	7.1	4.1	2.7	2.7
<b>NORTH DAKOTA</b>									
Fargo—Moorehead .....	317.5	319.6	321.0	13.1	12.8	11.2	4.1	4.0	3.5
68.0	72.9	72.0	2.3	2.8	2.9	3.4	3.8	4.0	

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

## E-1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	AUG. 1977	JUL. 1978	AUG. 1978P	AUG. 1977	JUL. 1978	AUG. 1978P	AUG. 1977	JUL. 1978	AUG. 1978P
<b>OHIO</b> <sup>2</sup> .....	4,939.6	5,024.5	5,012.0	246.0	266.7	261.4	5.0	5.3	5.2
Akron .....	300.1	301.6	300.6	15.0	16.9	16.7	5.0	5.6	5.6
Canton .....	177.8	181.6	180.4	9.2	9.8	9.2	5.1	5.4	5.1
Cincinnati <sup>1</sup> .....	634.0	649.7	650.2	30.6	32.2	33.3	4.8	5.0	5.1
Cleveland .....	933.9	942.5	939.9	42.9	44.3	42.3	4.6	4.7	4.5
Columbus .....	526.3	531.7	531.4	25.0	24.9	25.3	4.7	4.7	4.8
Dayton .....	374.5	381.1	379.8	15.4	17.0	17.2	4.1	4.5	4.5
Toledo <sup>1</sup> .....	360.9	372.3	368.7	20.6	23.4	22.8	5.7	6.3	6.2
Youngstown-Warren .....	238.4	240.8	239.0	17.0	17.7	16.4	7.1	7.4	6.9
<b>OKLAHOMA</b> .....	1,230.3	1,264.2	1,255.8	62.6	49.3	41.6	5.1	3.9	3.3
Oklahoma City .....	364.1	390.1	389.1	16.7	13.3	11.2	4.6	3.4	2.9
Tulsa .....	297.8	299.7	300.0	15.4	11.3	9.3	5.2	3.8	3.1
<b>OREGON</b> .....	1,148.6	1,190.9	1,190.2	74.6	65.1	62.3	6.5	5.5	5.2
Eugene-Springfield .....	119.2	120.9	119.6	9.3	7.8	7.6	6.4	6.4	6.4
Portland <sup>1</sup> .....	538.9	579.1	571.2	32.8	28.4	26.8	6.1	4.9	4.7
Salem .....	114.9	109.6	117.3	6.4	6.0	5.3	5.6	5.5	4.5
<b>PENNSYLVANIA</b> <sup>2</sup> .....	5,280.6	5,363.6	5,315.7	403.2	390.2	347.2	7.6	7.3	6.5
Allentown-Bethlehem-Easton <sup>1</sup> .....	307.8	306.3	N.A.	21.6	22.1	N.A.	7.0	7.2	N.A.
Altoona .....	58.1	59.5	58.7	3.8	4.6	3.8	6.5	7.7	6.5
Erie .....	120.6	124.9	123.3	8.2	9.4	7.9	6.8	7.5	6.4
Harrisburg .....	214.8	216.5	215.9	12.6	11.3	10.3	5.3	5.2	4.8
Johnstown .....	116.7	110.1	107.6	24.2	10.1	9.3	20.7	9.1	8.6
Lancaster .....	168.3	172.0	173.5	7.6	7.9	7.2	4.5	4.6	4.1
Northeast Pennsylvania .....	278.9	279.5	273.2	25.1	28.3	21.0	9.0	10.1	7.7
Philadelphia <sup>1</sup> .....	2,083.2	2,111.3	N.A.	186.0	165.5	N.A.	8.9	7.8	N.A.
Pittsburgh .....	979.4	1,007.1	998.2	60.5	60.2	57.1	6.2	6.0	5.7
Reading .....	147.0	149.5	148.7	8.8	9.2	7.9	6.0	6.2	5.3
Williamsport .....	51.2	53.0	53.0	4.0	4.2	3.7	7.8	8.0	7.0
York .....	160.2	165.9	165.3	9.6	10.0	9.3	6.0	6.0	5.6
<b>RHODE ISLAND</b> .....	445.7	439.7	437.3	38.9	30.5	25.6	8.7	6.9	5.9
Providence-Warwick-Pawtucket <sup>1</sup> .....	448.4	443.0	440.8	40.2	30.7	26.9	9.0	6.9	6.1
<b>SOUTH CAROLINA</b> .....	1,306.9	1,332.5	1,323.0	94.7	84.4	78.5	7.2	6.3	5.9
Charleston-North Charleston .....	149.2	149.5	147.6	12.2	10.4	10.1	8.2	7.0	6.9
Columbia .....	165.2	171.0	168.7	10.3	8.1	7.1	6.2	4.8	4.2
Greenville-Spartanburg .....	256.8	257.5	259.1	16.7	13.4	12.3	6.5	5.2	4.8
<b>SOUTH DAKOTA</b> .....	335.4	347.7	339.7	8.9	11.5	10.3	2.7	3.3	3.0
Sioux Falls .....	56.4	59.1	58.1	1.2	1.6	1.5	2.1	2.7	2.6
<b>TENNESSEE</b> .....	1,921.6	1,943.3	1,933.9	109.8	132.6	109.2	5.7	6.8	5.6
Chattanooga <sup>1</sup> .....	184.4	185.2	184.3	10.7	11.0	10.2	5.9	5.9	5.5
Knoxville .....	200.0	203.0	199.0	9.7	15.3	9.0	4.8	7.5	4.5
Memphis <sup>1</sup> .....	374.6	373.4	375.2	23.5	22.2	23.2	6.3	6.0	6.2
Nashville-Davidson .....	381.4	389.9	389.3	16.6	19.8	17.4	4.4	5.1	4.5
<b>TEXAS</b> <sup>2</sup> .....	5,818.9	6,101.9	6,041.2	314.5	317.2	305.6	5.4	5.2	5.1
Amarillo .....	86.1	89.5	88.6	3.5	3.3	3.2	4.0	3.7	3.6
Austin .....	223.9	240.5	236.0	10.1	9.7	8.7	4.5	4.0	3.7
Beaumont-Port Arthur-Orange .....	166.5	167.9	165.9	11.8	12.0	11.1	7.1	7.1	6.7
Corpus Christi .....	125.6	132.2	130.5	8.5	8.3	7.7	6.7	6.3	5.9
Dallas-Fort Worth .....	1,328.9	1,402.5	1,393.7	67.1	62.5	63.9	5.0	4.5	4.6
El Paso .....	163.2	164.9	164.5	18.3	16.1	15.7	11.2	9.7	9.5
Galveston-Texas City .....	89.7	93.5	92.4	6.4	5.8	5.4	7.2	6.2	5.8
Houston .....	1,287.2	1,379.2	1,368.9	57.0	61.8	58.0	4.4	4.5	4.2
Lubbock .....	99.2	102.8	102.5	3.6	4.2	4.2	3.6	4.1	4.1
San Antonio .....	391.3	414.4	409.3	28.4	29.5	28.2	7.3	7.1	6.9
Waco .....	76.2	79.6	79.1	3.7	4.0	3.9	4.9	5.1	4.9
Wichita Falls .....	58.8	61.0	60.3	2.2	2.4	2.2	3.8	3.9	3.7
<b>UTAH</b> .....	536.3	546.4	548.9	26.1	19.8	18.2	4.9	3.6	3.3
Salt Lake City-Ogden .....	357.5	360.6	363.7	17.9	13.4	12.5	5.0	3.7	3.4
<b>VERMONT</b> .....	232.7	243.2	244.2	14.2	11.8	10.7	6.1	4.9	4.4

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

## E-1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	AUG. 1977	JUL. 1978	AUG. 1978P	AUG. 1977	JUL. 1978	AUG. 1978P	AUG. 1977	JUL. 1978	AUG. 1978P
<b>VIRGINIA</b>	<b>2,407.6</b>	<b>2,503.8</b>	<b>2,506.4</b>	<b>115.3</b>	<b>129.8</b>	<b>130.8</b>	<b>4.8</b>	<b>5.2</b>	<b>5.2</b>
Lynchburg	69.3	73.2	72.9	3.1	3.6	3.6	4.4	5.0	4.9
Newport News-Hampton	155.8	164.2	164.7	8.3	9.7	9.7	5.3	5.9	5.9
Norfolk-Virginia Beach-Portsmouth <sup>1</sup>	316.0	324.7	325.2	16.4	20.0	19.6	5.2	6.2	6.0
Richmond	316.7	329.3	329.0	11.5	12.6	12.0	3.6	3.8	3.6
Roanoke	109.4	114.9	114.8	5.0	5.4	5.3	4.6	4.7	4.6
<b>WASHINGTON</b>	<b>1,675.7</b>	<b>1,764.8</b>	<b>1,768.0</b>	<b>145.5</b>	<b>111.0</b>	<b>106.1</b>	<b>8.7</b>	<b>6.3</b>	<b>6.0</b>
Seattle-Everett	710.0	765.6	770.0	57.5	41.3	38.8	8.1	5.4	5.0
Spokane	131.1	139.5	139.6	10.0	7.7	7.3	7.6	5.5	5.2
Tacoma	156.8	164.1	164.4	14.7	12.0	11.5	9.4	7.3	7.0
<b>WEST VIRGINIA</b>	<b>695.4</b>	<b>724.3</b>	<b>717.1</b>	<b>42.5</b>	<b>41.2</b>	<b>43.6</b>	<b>6.1</b>	<b>5.7</b>	<b>6.1</b>
Charleston	113.6	117.0	115.3	4.4	4.2	3.6	3.9	3.6	3.1
Huntington-Ashland <sup>1</sup>	115.6	118.3	115.4	6.6	8.3	6.1	5.7	7.0	5.3
Parkersburg-Marietta <sup>1</sup>	64.6	66.3	65.7	3.5	3.3	3.2	5.4	5.0	4.8
Wheeling <sup>1</sup>	78.5	79.0	79.0	3.5	3.9	3.6	4.5	4.9	4.5
<b>WISCONSIN</b>	<b>2,246.4</b>	<b>2,335.3</b>	<b>2,338.5</b>	<b>96.9</b>	<b>117.5</b>	<b>110.9</b>	<b>4.3</b>	<b>5.0</b>	<b>4.7</b>
Appleton-Oshkosh	142.3	142.8	142.5	5.5	7.0	5.9	3.9	4.9	4.1
Green Bay	88.0	85.4	86.3	3.8	4.3	4.3	4.3	5.0	5.0
Kenosha	60.6	59.7	61.8	4.9	4.9	4.3	8.0	8.2	7.0
La Crosse	43.0	44.0	44.1	1.8	2.3	2.1	4.1	5.2	4.7
Madison	171.3	171.8	170.9	5.4	6.6	6.0	3.1	3.9	3.5
Milwaukee	709.1	706.2	708.7	29.7	30.9	28.7	4.2	4.4	4.1
Racine	92.1	90.6	90.3	5.7	5.7	5.1	6.2	6.3	5.6
<b>WYOMING</b>	<b>206.3</b>	<b>222.5</b>	<b>221.0</b>	<b>5.7</b>	<b>5.9</b>	<b>5.3</b>	<b>2.8</b>	<b>2.7</b>	<b>2.4</b>

<sup>1</sup> Includes interstate portion of area located in adjacent State.

<sup>2</sup> Data are obtained directly from the Current Population Survey. (See "Explanatory Notes" for State and Area Unemployment Data in Employment and Earnings, monthly.)

NOTE: Estimates for 1977 have been benchmarked to 1977 Current Population Survey annual averages. Except in the 10 largest States designated by footnote 2, estimates for 1978

are provisional and will be revised when new benchmark information becomes available. Data refer to place of residence.

p=preliminary.

N.A.=not available.

SOURCE: Current Population Survey and Cooperating State Employment Security Agencies listed on inside back cover.

Labor force and unemployment estimates for counties, cities, and other small areas have been prepared for administration of various Federal economic assistance programs and may be ordered from the National Technical Information Service. When ordering, please specify "CETA Area Employment and Unemployment," "State, County, and Selected City Employment and Unemployment," or "Unemployment Rates for States and Local Governments, First Quarter 1978." A complete set of price schedules and publications is available from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield Virginia, 22161.

# **Seasonal Factors**

# ESTABLISHMENT DATA

## Seasonal Factors

The following tables present seasonal adjustment factors for all series in the establishment section of this periodical. These factors were derived using data through May 1978. The factors should be used with current estimates (adjusted to the March 1977 benchmarks) beginning July 1978 for all series shown in the following tables.

The seasonal movements are measured in order to adjust the data statistically for such recurring events as warm and cold weather, crop-growing cycles, holidays, vacations, regular industry model change-over periods, and the like. These movements are generally the largest single component of month-to-month change in employment, hours, earnings, and labor turnover. The seasonal factors which follow enable the analyst to remove these influences from the data in order to determine more basic trends.

### F. Seasonal adjustment factors for employees on nonagricultural payrolls, by industry division and major manufacturing group

Industry	1978						1979					
	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE
<b>TOTAL<sup>1</sup></b>												
MINING .....	102.0	101.7	100.8	100.5	100.1	99.3	98.6	97.6	98.3	99.0	100.1	101.8
CONSTRUCTION .....	105.9	107.8	106.7	106.0	103.4	98.5	89.8	88.8	91.9	96.4	100.2	104.3
<b>MANUFACTURING<sup>1</sup></b>												
<b>DURABLE GOODS<sup>1</sup></b>												
Lumber and wood products .....	103.5	104.1	102.8	101.7	99.5	98.3	95.7	95.3	96.8	98.4	100.5	103.6
Furniture and fixtures .....	97.6	100.7	101.8	101.5	101.2	100.6	99.6	99.5	99.2	99.0	99.2	100.1
Stone, clay, and glass products .....	102.2	103.0	102.5	101.9	101.2	99.0	96.1	95.5	97.1	98.7	100.3	102.2
Primary metal industries .....	100.5	100.3	100.8	100.0	99.5	99.6	99.6	98.9	99.2	99.9	100.3	101.4
Fabricated metal products .....	99.5	100.3	101.5	101.1	100.6	100.2	99.2	98.7	99.1	99.3	99.6	100.8
Machinery, except electrical .....	99.4	99.2	100.3	99.7	100.1	100.6	100.3	100.2	100.0	100.0	99.7	100.3
Electric and electronic equipment .....	99.0	99.9	101.1	101.0	101.0	100.7	99.8	99.5	99.0	99.2	99.5	100.3
Transportation equipment .....	99.4	99.3	100.4	101.0	101.0	101.1	100.0	98.2	98.6	99.8	100.6	101.3
Instruments and related products .....	99.8	100.2	100.2	100.3	100.4	100.2	99.8	99.6	99.5	99.6	99.7	100.7
Miscellaneous manufacturing ind. ....	97.9	102.4	104.0	104.2	103.0	98.7	96.0	96.9	97.7	98.2	99.7	101.2
<b>NONDURABLE GOODS<sup>1</sup></b>												
Food and kindred products .....	101.9	107.0	107.5	104.1	101.0	98.8	96.4	95.7	95.7	95.6	96.7	99.6
Tobacco manufactures .....	92.6	108.7	110.9	111.0	108.5	106.1	101.5	98.1	93.5	91.3	88.9	89.3
Textile mill products .....	98.3	100.8	100.7	100.4	100.3	100.0	99.4	99.5	99.6	99.8	99.9	101.1
Apparel and other textile products .....	96.7	100.6	101.3	101.5	101.2	99.5	98.0	99.6	100.3	99.7	100.2	101.3
Paper and allied products .....	100.1	101.0	100.9	100.6	100.6	100.1	99.1	99.0	99.0	99.1	99.5	101.1
Printing and publishing .....	99.7	99.9	100.1	100.3	100.3	100.8	99.8	99.8	99.7	99.8	99.8	100.0
Chemicals and allied products .....	100.6	101.0	100.5	100.3	100.1	99.7	99.2	99.3	99.6	99.6	99.5	100.6
Petroleum and coal products .....	103.0	102.6	101.4	100.9	100.3	99.0	97.4	97.2	97.3	98.4	100.2	102.2
Rubber and misc. plastic products .....	98.8	100.6	101.9	101.5	101.0	99.9	99.2	99.1	99.0	98.9	99.2	100.8
Leather and leather products .....	98.0	101.3	99.8	99.7	100.4	99.6	98.2	99.2	99.8	100.3	100.9	102.9
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....												
100.6	100.5	101.1	100.6	100.5	100.5	98.9	98.7	98.8	99.2	99.9	100.9	100.8
<b>WHOLESALE AND RETAIL TRADE<sup>1</sup></b>												
WHOLESALE TRADE .....	100.6	100.5	100.3	100.5	100.4	100.3	99.3	99.0	99.2	99.4	99.7	100.6
RETAIL TRADE .....	95.8	99.8	100.5	100.3	101.7	104.6	98.9	97.1	97.6	99.2	100.0	100.4
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....												
101.2	101.0	100.1	99.9	99.7	99.7	99.7	99.2	99.1	99.4	99.7	100.1	100.9
<b>SERVICES</b> .....												
101.4	101.0	100.2	100.2	99.8	99.8	99.5	98.2	98.8	99.4	100.0	100.5	101.1
<b>GOVERNMENT<sup>1</sup></b>												
FEDERAL <sup>3</sup> .....	101.8	101.0	99.7	99.5	99.6	99.4	99.1	99.4	99.5	99.8	100.1	101.1
STATE AND LOCAL .....	94.7	93.7	97.6	101.0	101.9	101.7	100.5	102.1	102.4	102.0	101.9	100.5

<sup>1</sup> Seasonally adjusted data derived by summation of components.

<sup>2</sup> Factors shown for July, August and September are based on data excluding motor vehicles (SIC 371). Comparable factor for June is 100.8.

<sup>3</sup> Based on data which exclude temporary Christmas employees of the Postal Service during December.

<sup>4</sup> Factors shown are for 1979. Factors for March and April 1978 were 97.7 and 98.8, respectively.

# ESTABLISHMENT DATA

**G. Seasonal adjustment factors for women employees on nonagricultural payrolls,  
by industry division and major manufacturing group**

Industry	1978						1979					
	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE
<b>TOTAL<sup>1</sup></b>												
MINING .....	101.7	101.2	100.4	99.6	100.1	99.0	99.0	99.6	99.6	98.6	99.4	101.8
CONSTRUCTION .....	101.3	101.6	101.3	101.0	100.5	99.9	98.6	98.3	98.0	98.6	99.6	101.3
<b>MANUFACTURING<sup>1</sup></b>												
<b>DURABLE GOODS<sup>1</sup></b>												
Lumber and wood products .....	101.5	102.7	102.6	101.8	100.4	99.1	96.9	96.2	97.3	99.1	100.7	102.0
Furniture and fixtures .....	96.0	99.3	101.6	102.0	102.5	101.5	99.8	99.5	99.4	99.5	99.6	99.4
Stone, clay, and glass products .....	101.0	101.7	102.0	101.8	101.5	99.3	98.1	97.5	97.6	98.4	99.6	101.4
Primary metal industries <sup>2</sup> .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Fabricated metal products .....	99.1	100.2	101.5	101.6	101.4	100.2	98.9	98.4	98.7	99.4	99.8	100.8
Machinery, except electrical .....	99.4	99.4	100.3	100.0	100.6	100.6	100.3	100.3	100.1	99.6	99.4	100.1
Electric and electronic equipment .....	98.4	100.0	101.9	101.6	101.6	100.8	99.5	99.0	98.6	99.0	99.3	100.3
Transportation equipment .....	100.4	99.7	103.0	101.6	100.7	100.4	99.3	97.0	97.7	99.0	100.0	101.2
Instruments and related products .....	98.9	99.9	100.2	100.8	101.0	100.5	99.6	99.4	99.5	99.5	99.7	100.9
Miscellaneous manufacturing ind.....	97.0	103.0	105.5	106.3	104.0	98.2	94.1	96.1	97.1	97.5	99.8	101.6
<b>NONDURABLE GOODS<sup>1</sup></b>												
Food and kindred products .....	101.5	112.4	114.9	108.0	102.2	97.6	93.1	92.4	93.4	92.8	94.1	97.6
Tobacco manufactures .....	87.4	110.8	115.1	115.2	112.0	108.0	101.7	98.7	91.0	88.0	85.3	87.0
Textile mill products .....	98.0	100.7	101.0	100.8	100.7	99.9	99.0	99.4	99.4	99.9	99.9	101.1
Apparel and other textile products .....	96.3	100.4	101.2	101.5	101.3	99.5	97.9	99.7	100.4	99.9	100.3	101.4
Paper and allied products .....	99.5	101.2	101.6	101.7	101.5	100.4	98.5	98.2	98.3	98.5	99.3	101.3
Printing and publishing .....	99.8	99.9	99.9	100.4	100.4	100.9	99.5	99.7	99.7	99.9	99.8	100.1
Chemicals and allied products .....	100.7	101.6	101.5	101.2	100.3	99.3	98.5	98.7	99.0	99.1	99.3	100.8
Petroleum and coal products .....	102.6	101.9	100.0	99.6	98.9	99.1	98.3	98.9	99.6	99.5	99.9	101.6
Rubber and misc. plastic products .....	97.5	99.4	103.0	102.9	101.6	99.9	99.2	99.1	99.1	98.5	99.1	100.7
Leather and leather products .....	98.1	101.6	100.0	99.8	100.8	99.8	97.9	98.9	99.3	99.8	101.1	102.9
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	99.5	99.2	100.5	100.5	100.5	100.6	99.9	99.5	99.5	99.4	100.2	100.6
<b>WHOLESALE AND RETAIL TRADE<sup>1</sup></b>												
WHOLESALE TRADE .....	99.7	100.0	100.4	101.3	101.2	100.9	99.5	99.2	99.2	99.1	99.3	100.1
RETAIL TRADE .....	99.0	99.1	100.3	100.6	102.9	107.2	99.0	96.8	97.0	98.9	99.6	99.7
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	100.8	100.8	100.1	99.9	99.9	99.9	99.3	99.5	99.7	99.7	99.9	100.6
<b>SERVICES</b> .....	100.4	100.1	100.1	100.5	100.1	99.7	98.6	99.2	99.7	100.3	100.6	100.8
<b>GOVERNMENT<sup>1</sup></b>												
FEDERAL .....	102.1	100.7	98.6	98.7	98.9	99.9	99.3	99.9	100.1	100.6	99.6	101.6
STATE AND LOCAL .....	89.4	88.0	96.9	102.2	103.3	103.0	101.9	103.7	104.4	103.4	103.3	100.5

<sup>1</sup> Seasonally adjusted data derived by summation of components.

<sup>2</sup> The seasonal factors are not computed because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

<sup>3</sup> Factors shown are for 1979. Factors for March and April 1978 were 96.9 and 98.2, respectively.

## ESTABLISHMENT DATA

### H. Seasonal adjustment factors for production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry division and major manufacturing group

Industry	1978						1979					
	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE
<b>TOTAL<sup>2</sup></b>												
MINING .....	102.1	101.9	100.8	100.5	100.1	99.5	98.1	97.3	98.1	99.0	100.1	102.3
CONSTRUCTION .....	106.8	109.3	108.1	107.3	104.2	98.2	88.0	86.7	90.4	95.8	100.2	104.8
<b>MANUFACTURING<sup>2</sup></b>												
<b>DURABLE GOODS<sup>2</sup></b>												
Lumber and wood products .....	103.7	104.5	103.1	101.8	99.4	98.2	95.3	94.9	96.3	98.2	100.7	104.0
Furniture and fixtures .....	97.2	100.9	101.9	101.6	101.4	100.6	99.7	99.5	99.2	99.0	98.9	100.1
Stone, clay, and glass products .....	102.6	103.4	102.9	102.4	101.4	98.8	95.3	94.7	96.5	98.6	100.5	102.5
Primary metal industries .....	100.3	100.1	101.0	100.2	99.5	99.6	99.6	98.7	99.1	100.0	100.5	101.6
Fabricated metal products .....	99.2	100.4	101.9	101.4	100.8	100.2	99.2	98.4	98.8	99.3	99.6	100.9
Machinery, except electrical .....	98.5	98.5	100.4	99.6	100.5	101.0	100.6	100.5	100.4	100.2	99.7	100.2
Electric and electronic equipment .....	98.5	99.7	101.5	101.4	101.5	101.1	99.7	99.3	98.6	98.9	99.3	100.3
Transportation equipment .....	99.6	98.8	100.4	102.0	101.5	101.4	99.9	97.7	98.4	99.9	100.9	101.6
Instruments and related products .....	99.1	100.1	100.4	100.4	100.7	100.5	99.8	99.5	99.3	99.5	99.8	100.8
Miscellaneous manufacturing ind.....	97.6	103.0	105.0	105.4	103.5	98.0	94.9	96.3	97.2	97.9	99.7	101.6
<b>NONDURABLE GOODS<sup>2</sup></b>												
Food and kindred products .....	102.1	109.6	110.6	105.9	101.5	98.4	95.1	94.3	94.2	93.9	95.3	99.1
Tobacco manufactures .....	91.1	110.0	112.5	112.5	110.1	107.4	101.8	97.6	92.8	89.8	87.1	87.5
Textile mill products .....	98.1	100.9	100.7	100.4	100.2	100.0	99.3	99.5	99.6	99.9	99.9	101.2
Apparel and other textile products .....	96.5	100.7	101.6	101.6	101.2	99.5	97.8	99.4	100.2	99.6	100.2	101.6
Paper and allied products .....	100.0	101.2	101.1	100.7	100.8	100.1	98.9	98.8	98.8	99.0	99.3	101.3
Printing and publishing .....	99.3	99.8	100.3	100.4	100.4	101.2	99.6	99.7	99.7	100.0	99.8	99.9
Chemicals and allied products .....	100.3	101.0	100.5	100.3	99.9	99.6	99.1	99.2	99.8	99.7	99.8	100.8
Petroleum and coal products .....	104.0	103.4	101.9	101.4	100.4	98.3	96.4	96.3	96.5	98.1	100.5	103.0
Rubber and misc. plastic products .....	98.5	100.6	102.3	101.8	101.0	99.8	99.0	98.9	98.9	98.8	99.2	101.1
Leather and leather products .....	97.9	101.5	99.7	99.5	100.3	99.3	98.0	99.2	99.9	100.3	101.3	103.2
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	100.7	100.5	101.3	100.6	100.5	100.6	98.7	98.5	98.7	99.1	99.9	100.9
<b>WHOLESALE AND RETAIL TRADE<sup>2</sup></b>												
WHOLESALE TRADE .....	100.7	100.7	100.4	100.6	100.4	100.3	99.2	98.8	99.0	99.3	99.7	100.7
RETAIL TRADE .....	99.7	99.7	100.5	100.4	101.8	105.0	99.0	97.0	97.5	99.2	100.0	100.4
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	101.5	101.2	100.1	99.9	99.7	99.7	98.9	98.9	99.3	99.6	100.1	101.2
<b>SERVICES</b> .....	101.3	101.0	100.1	100.3	99.8	99.4	98.1	98.8	99.4	100.1	100.6	101.1

<sup>1</sup> Data relate to production workers in mining and manufacturing; to construction workers in contract construction; and to nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

<sup>2</sup> Seasonally adjusted data derived by summation of components.

<sup>3</sup> Factors shown for July, August, and September are based on data excluding motor vehicles (SIC 371). Comparable factor for June is 101.1.

<sup>4</sup> Factors shown are for 1979. Factors for March and April 1978 were 97.6 and 98.9, respectively.

ESTABLISHMENT DATA

**I. Seasonal adjustment factors for average weekly hours of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls, by industry division and major manufacturing group**

Industry	1978						1979					
	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE
<b>TOTAL PRIVATE<sup>2</sup></b>												
MINING.....	100.5	99.6	101.2	101.7	101.1	99.5	97.8	99.4	99.2	99.0	100.1	100.8
CONSTRUCTION.....	102.3	102.2	101.4	102.6	99.2	99.6	96.3	97.2	98.4	99.2	100.4	101.6
<b>MANUFACTURING<sup>2</sup></b>												
<b>DURABLE GOODS<sup>2</sup></b>												
Lumber and wood products .....	100.3	101.6	101.1	100.8	99.5	100.0	96.2	98.8	98.9	99.7	100.9	102.0
Furniture and fixtures .....	99.2	101.4	101.5	101.5	100.8	102.2	97.5	98.1	98.9	98.2	99.5	101.1
Stone, clay, and glass products .....	100.4	101.2	100.8	101.1	100.5	100.4	97.8	97.9	98.8	99.4	100.6	101.2
Primary metal industries .....	99.9	99.6	101.0	99.5	99.8	100.7	99.3	99.5	99.9	99.9	100.0	100.8
Fabricated metal products .....	98.8	100.1	100.7	100.5	100.7	102.0	99.1	98.7	99.4	99.3	100.1	100.8
Machinery, except electrical .....	98.3	99.5	100.5	100.1	100.7	102.6	99.8	99.8	100.0	99.4	99.4	100.0
Electric and electronic equipment .....	98.5	99.8	100.9	100.3	100.8	101.9	99.1	99.1	99.6	99.5	99.8	100.7
Transportation equipment .....	100.1	97.9	100.5	100.2	100.3	103.7	97.4	98.4	99.5	99.8	100.7	101.3
Instruments and related products .....	99.0	99.6	100.5	100.3	101.1	101.9	98.7	99.5	99.7	99.3	100.0	100.2
Miscellaneous manufacturing ind.....	98.9	99.8	100.4	100.7	101.2	101.2	98.6	99.1	100.0	99.8	100.0	100.5
<b>NONDURABLE GOODS<sup>2</sup></b>												
Food and kindred products .....	100.8	101.7	101.9	100.2	100.2	101.0	98.6	98.7	98.8	98.3	99.4	100.3
Tobacco manufactures .....	93.9	99.5	101.6	102.1	103.2	101.8	98.4	98.6	99.0	99.3	100.0	102.4
Textile mill products .....	99.8	100.6	100.8	100.1	100.5	100.9	97.5	99.4	99.6	99.0	100.2	101.4
Apparel and other textile products .....	100.2	101.0	100.5	101.0	100.9	100.5	98.1	98.7	99.7	98.8	99.8	101.1
Paper and allied products .....	100.1	100.4	101.0	100.4	100.4	101.6	99.4	98.5	99.2	98.4	99.7	100.8
Printing and publishing .....	99.8	100.7	100.9	100.3	100.5	101.7	98.4	99.0	99.8	99.0	99.8	100.0
Chemicals and allied products .....	99.7	99.6	100.2	100.0	100.4	101.1	99.2	99.4	99.8	100.2	99.8	100.3
Petroleum and coal products .....	101.1	99.4	101.3	101.0	100.7	100.2	98.7	98.3	99.2	99.6	100.1	100.5
Rubber and misc. plastic products .....	99.2	100.0	100.7	100.8	100.8	101.7	99.1	99.3	100.0	99.0	99.1	100.1
Leather and leather products .....	100.8	100.6	99.4	100.0	100.6	101.2	98.0	98.8	99.2	98.5	100.5	102.2
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>												
TRANSPORTATION AND PUBLIC UTILITIES .....	101.0	101.0	100.3	100.0	100.1	100.4	98.6	99.7	99.3	99.5	99.5	100.5
<b>WHOLESALE AND RETAIL TRADE<sup>2</sup></b>												
WHOLESALE TRADE .....	100.7	100.4	100.1	100.3	100.0	100.5	99.3	99.3	99.5	99.6	99.9	100.4
RETAIL TRADE .....	103.0	102.9	100.1	99.2	99.1	101.1	97.9	98.5	98.8	98.9	99.5	101.2
<b>FINANCE, INSURANCE, AND REAL ESTATE</b>												
FINANCE, INSURANCE, AND REAL ESTATE .....	100.2	100.2	99.7	100.0	100.0	100.0	100.2	100.3	99.9	99.8	99.9	100.0
SERVICES .....	101.5	101.5	99.8	99.8	99.7	99.9	99.5	99.5	99.4	99.4	99.4	100.7

<sup>1</sup> See footnote 1, table H.

<sup>2</sup> See footnote 2, table H.

**J. Seasonal adjustment factors for average weekly overtime hours of production workers on manufacturing payrolls**

Industry	1978						1979					
	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE
<b>MANUFACTURING<sup>1</sup></b>												
DURABLE GOODS .....	97.3	103.4	111.0	106.4	102.2	106.1	91.1	92.5	96.0	93.5	98.9	102.0
NONDURABLE GOODS .....	100.3	107.4	113.1	105.5	102.6	101.4	92.9	93.4	93.6	91.8	96.2	101.9

<sup>1</sup> See footnote 2, table H.

## ESTABLISHMENT DATA

### K. Seasonal adjustment factors for average hourly earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls, by industry division

Industry	1978						1979					
	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE
TOTAL PRIVATE <sup>2</sup>												
MINING .....	99.6	98.8	100.7	99.7	100.2	100.3	101.0	100.2	100.1	99.9	99.8	99.7
CONSTRUCTION .....	99.6	100.0	101.4	101.2	100.7	100.6	100.5	99.6	99.2	99.0	99.2	99.0
MANUFACTURING .....	99.8	99.4	100.4	100.0	100.0	100.7	100.6	100.0	99.9	99.7	99.8	99.8
TRANSPORTATION AND PUBLIC UTILITIES .....	100.0	100.7	100.8	100.8	100.5	100.1	100.0	99.9	99.2	99.5	99.3	99.3
WHOLESALE AND RETAIL TRADE ...	99.7	99.3	100.2	100.2	99.8	99.2	100.6	100.8	100.2	100.1	100.1	99.8
FINANCE, INSURANCE, AND REAL ESTATE .....	99.6	99.7	99.7	99.9	99.4	99.8	100.8	101.1	100.3	100.0	100.2	99.7
SERVICES .....	98.8	98.5	100.2	100.3	100.4	100.4	100.6	100.9	100.3	100.1	100.2	99.4

<sup>1</sup> See footnote 1, table H.

<sup>2</sup> See footnote 2, table H.

### L. Seasonal adjustment factors<sup>1</sup> for labor turnover rates in manufacturing

Item	1978						1979					
	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUN.
Total accessions <sup>2</sup>												
New hires .....	112.4	144.3	127.4	103.3	74.2	47.9	83.5	73.8	88.8	97.0	116.3	130.4
Other accessions and recalls .....	112.8	124.5	90.9	83.4	72.6	63.3	120.1	100.0	110.5	102.3	114.4	103.2
Total separations <sup>2</sup>												
Quits .....	105.3	174.9	150.2	171.8	76.7	58.6	76.8	69.2	88.1	91.7	103.1	104.3
Layoffs .....	115.8	76.9	94.7	103.6	118.8	142.4	132.9	100.7	90.3	80.9	70.1	70.0
Other separations .....	97.4	120.3	109.3	112.7	86.6	82.6	103.2	90.0	96.2	98.6	98.6	100.3

<sup>1</sup> Factors include the effects of trading day variations.

<sup>2</sup> Seasonally adjusted data derived by summation of components.

# **Revised Seasonally Adjusted**

## **Establishment Data**

## SEASONALLY ADJUSTED

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY DIVISION AND SELECTED GROUPS, SEASONALLY ADJUSTED IN THOUSANDS</b>																											
1939	29,750	29,848	30,142	29,980	30,175	30,402	30,464	30,639	31,113	31,486	31,515	31,565	1939	25,818	25,908	26,211	26,041	26,223	26,439	26,474	26,629	27,071	27,436	27,457	27,477		
1940	31,428	31,468	31,606	31,627	31,758	31,891	31,993	32,372	32,886	33,287	33,637	34,173	1940	27,337	27,384	27,525	27,538	27,643	27,716	27,770	28,123	28,612	28,981	29,303	29,820		
1941	34,363	34,631	35,023	35,280	36,082	36,558	37,163	37,527	37,835	37,874	37,899	38,056	1941	29,971	30,203	30,568	30,765	31,506	31,919	32,473	32,764	33,012	33,044	33,038	33,152		
1942	38,230	38,324	38,813	39,268	39,621	39,856	40,346	40,853	41,116	41,338	41,513	41,850	1942	33,247	33,281	33,661	34,007	34,286	34,466	34,875	35,167	35,378	35,520	35,626	35,893		
1943	42,040	42,227	42,441	42,461	42,395	42,547	42,441	42,425	42,368	42,604	42,664	42,591	1943	36,073	36,150	36,331	36,337	36,261	36,395	36,353	36,428	36,353	36,595	36,643	36,556		
1944	42,502	42,388	42,196	41,897	41,783	41,735	41,631	41,674	41,530	41,614	41,565	41,707	1944	36,504	36,406	36,230	35,927	35,808	35,746	35,607	35,626	35,472	35,562	35,476	35,597		
1945	41,784	41,783	41,678	41,364	41,085	40,888	40,599	40,290	38,345	38,427	38,807	39,000	1945	35,692	35,693	35,612	35,329	35,073	34,865	34,586	34,308	32,557	32,729	33,147	33,357		
1946	39,740	39,209	40,202	40,831	41,263	41,534	41,943	42,462	42,744	42,957	43,238	43,322	1946	34,093	33,554	34,563	35,178	35,645	35,979	36,395	36,909	37,214	37,432	37,753	37,860		
1947	43,524	43,584	43,630	43,510	43,529	43,669	43,783	44,003	44,184	44,324	44,529	1947	38,023	38,083	38,139	38,038	38,072	38,253	38,262	38,380	38,588	38,740	38,876	39,060			
1948	44,680	44,492	44,615	44,334	44,615	44,863	45,059	45,052	45,167	45,084	45,083	45,032	1948	39,164	38,978	39,083	38,772	39,030	39,241	39,414	39,382	39,487	39,383	39,342	39,267		
1949	44,631	44,399	44,169	44,057	43,806	43,582	43,415	43,490	43,708	42,823	43,148	43,497	1949	38,849	38,612	38,351	38,196	37,955	37,746	37,595	37,638	37,837	36,982	37,316	37,671		
1950	43,472	43,175	43,816	44,238	44,589	44,953	45,361	46,035	46,304	46,530	46,654	46,756	1950	37,644	37,352	37,837	38,230	38,659	39,046	39,403	39,993	40,205	40,415	40,512	40,587		
1951	47,227	47,519	47,700	47,849	47,803	47,915	47,923	47,806	47,743	47,833	48,026	48,119	1951	40,988	41,256	41,399	41,508	41,527	41,565	41,549	41,474	41,345	41,396	41,524	41,640		
1952	48,229	48,491	48,450	48,476	48,478	48,130	47,992	48,687	49,076	49,436	49,710	49,933	1952	41,757	41,966	41,910	41,942	41,937	41,573	41,417	42,163	42,508	42,761	43,026	43,229		
1953	50,043	50,271	50,360	50,367	50,343	50,386	50,385	50,272	50,216	50,114	49,824	49,627	1953	43,368	43,605	43,706	43,732	43,769	43,796	43,815	43,689	43,615	43,487	43,192	42,992		
1954	49,340	49,270	49,081	48,984	48,857	48,810	48,689	48,644	48,752	48,828	49,102	49,242	1954	42,697	42,613	42,419	42,317	42,157	42,088	41,955	41,893	41,990	42,067	42,267	42,418		
1955	49,363	49,523	49,867	50,106	50,414	50,705	50,823	50,905	51,085	51,308	51,491	51,721	1955	42,545	42,729	43,064	43,274	43,537	43,795	43,912	44,028	44,147	44,333	44,542	44,722		
1956	51,880	52,096	52,141	52,302	52,387	52,454	51,764	52,396	52,446	52,667	52,722	52,865	1956	44,852	45,012	45,023	45,152	45,136	45,197	44,494	45,084	45,099	45,294	45,302	45,419		
1957	52,808	53,000	53,052	53,029	52,999	52,961	52,970	52,918	52,825	52,673	52,458	52,281	1957	45,326	45,488	45,510	45,452	45,414	45,374	45,351	45,294	45,209	45,047	44,815	44,622		
1958	52,002	51,448	51,131	50,787	50,760	50,822	50,915	51,118	51,359	51,379	51,831	51,968	1958	44,310	43,745	43,408	43,039	42,991	43,014	43,076	43,241	43,479	43,495	43,927	44,044		
1959	52,410	52,558	52,863	53,190	53,382	53,603	53,683	53,230	53,265	53,203	53,503	54,033	1959	44,434	44,576	44,864	45,172	45,358	45,582	45,642	45,186	45,160	45,075	45,341	45,839		
1960	54,184	54,406	54,348	54,561	54,366	54,292	54,230	54,198	54,069	53,982	53,843	53,571	1960	46,007	46,209	45,968	46,162	46,069	45,986	45,917	45,859	45,710	45,616	45,445	45,151		
1961	53,524	53,373	53,462	53,485	53,664	53,922	54,052	54,232	54,303	54,375	54,636	54,739	1961	45,092	44,917	44,982	44,986	45,134	45,364	45,453	45,600	45,639	45,704	45,945	46,036		
1962	54,703	54,996	55,109	55,384	55,514	55,563	55,663	55,796	55,860	55,919	55,943	55,915	1962	45,986	46,256	46,343	46,601	46,692	46,697	46,769	46,861	46,906	46,940	46,927	46,882		
1963	55,927	56,039	56,157	56,398	56,534	56,571	56,705	56,832	56,971	57,148	57,125	57,251	1963	46,857	46,943	47,048	47,267	47,378	47,400	47,499	47,594	47,686	47,805	47,764	47,854		
1964	57,281	57,621	57,686	57,846	57,974	58,128	58,309	58,510	58,777	58,658	59,080	59,320	1964	47,851	48,172	48,212	48,330	48,439	48,585	48,757	48,905	49,124	48,949	49,318	49,534		
1965	59,419	59,710	59,921	60,080	60,389	60,590	60,886	61,072	61,333	61,538	61,859	62,209	1965	49,616	49,873	50,044	50,158	50,424	50,582	50,782	50,929	51,134	51,300	51,548	51,846		
1966	62,415	62,766	63,129	63,318	63,595	63,989	64,166	64,306	64,367	64,614	64,839	65,042	1966	52,021	52,293	52,568	52,687	52,910	53,220	53,336	53,455	53,485	53,668	53,813	53,947		
1967	65,240	65,224	65,305	65,373	65,478	65,642	65,816	65,933	66,074	66,091	66,570	66,767	1967	54,080	54,026	54,060	54,082	54,143	54,245	54,402	54,478	54,586	54,597	55,028	55,191		
1968	66,656	67,026	67,156	67,422	67,519	67,779	68,189	68,333	68,569	68,837	69,151	1968	55,015	55,348	55,457	55,683	55,747	55,936	56,095	56,283	56,416	56,619	56,884	57,132			
1969	69,297	69,575	69,803	69,980	70,197	70,478	70,629	70,742	70,800	70,957	70,921	71,119	1969	57,239	57,493	57,715	57,867	58,042	58,267	58,424	58,517	58,569	58,676	58,624	58,782		
1970	71,059	71,201	71,363	71,283	70,998	70,888	70,927	70,750	70,815	70,383	70,264	70,661	1970	58,709	58,819	58,900	58,716	58,460	58,371	58,371	58,211	57,727	57,576	57,795			
1971	70,752	70,689	70,766	70,969	71,129	71,136	71,169	71,499	71,485	71,723	71,977	1971	58,015	57,942	57,983	58,147	58,290	58,272	58,300	58,261	58,569	58,510	58,711	58,917			
1972	72,357	72,542	72,850	73,079	73,346	73,639	73,576	73,908	74,107	74,537	74,904	75,164	1972	59,226	59,378	59,653	59,847	60,061	60,364	60,242	60,509	60,660	61,075	61,394	61,613		
1973	75,521	75,923	76,168	76,308	76,473	76,743	76,713	77,009	77,170	77,506	77,867	77,933	1973	61,963	62,343	62,558	62,660	62,792	62,996	63,238	63,398	63,673	63,970	64,002			
1974	76,002	78,178	78,151	78,220	78,374	78,450	78,498	78,556	78,602	78,220	77,579	1974	64,047	64,180	64,127	64,154	64,288	64,351	64,303	64,248	64,253	64,382	63,164				
1975	77,084	76,63																									

### **SEASONALLY ADJUSTED**

See footnotes at end of tables.

## SEASONALLY ADJUSTED

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
<b>EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY DIVISION AND SELECTED GROUPS, SEASONALLY ADJUSTED IN THOUSANDS</b>																												
1955		2,708	2,741	2,796	2,831	2,865	2,875	2,890	2,872	2,876	2,855	2,856	2,861	1962		16,653	16,737	16,789	16,900	16,885	16,900	16,895	16,911	16,909	16,918	16,883	16,856	
1956		2,891	2,964	2,987	3,031	3,148	3,064	3,091	3,075	3,062	3,055	3,069		1963		16,891	16,875	16,912	16,980	17,026	16,992	17,016	17,025	17,046	17,079	17,043	17,068	
1957		2,968	3,036	3,035	3,004	2,991	2,989	2,961	2,934	2,931	2,928	2,898	2,900	1964		17,074	17,106	17,139	17,181	17,202	17,218	17,277	17,341	17,481	17,204	17,501	17,589	
1958		2,885	2,723	2,774	2,764	2,772	2,753	2,774	2,801	2,841	2,885	2,939	2,880	1965		17,652	17,713	17,781	17,863	17,910	17,984	18,114	18,162	18,266	18,314	18,443	18,541	
1959		2,957	2,935	2,958	3,038	3,037	3,047	3,031	3,032	3,003	2,975	2,978	3,031	1966		18,633	18,812	18,923	19,051	19,145	19,268	19,313	19,420	19,389	19,483	19,550	19,570	
1960		2,973	3,021	2,811	2,946	2,967	2,956	2,958	2,933	2,918	2,916	2,891	2,819	1967		19,586	19,542	19,483	19,434	19,370	19,364	19,351	19,369	19,357	19,351	19,566	19,599	
1961		2,830	2,810	2,851	2,821	2,813	2,873	2,851	2,871	2,884	2,897	2,890	2,898	1968		19,599	19,623	19,623	19,702	19,745	19,800	19,805	19,822	19,816	19,880	19,940	20,010	
1962		2,804	2,902	2,877	2,967	2,973	2,922	2,987	2,987	2,994	2,991	2,986	2,941	1969		20,019	20,098	20,163	20,157	20,169	20,235	20,282	20,287	20,250	20,220	20,059	20,072	
1963		2,942	2,921	2,905	3,000	3,017	3,020	3,044	3,055	3,062	3,054	3,029	3,018	1970		20,004	19,940	19,935	19,788	19,556	19,457	19,403	19,265	19,202	18,646	18,492	18,766	
1964		2,902	3,092	3,061	3,083	3,105	3,108	3,115	3,110	3,141	3,167	3,174	1971		18,737	18,678	18,603	18,616	18,671	18,599	18,564	18,511	18,615	18,589	18,635	18,653		
1965		3,170	3,209	3,190	3,146	3,221	3,235	3,195	3,239	3,244	3,263	3,298	3,363	1972		18,730	18,822	18,910	18,989	19,070	19,136	19,086	19,161	19,243	19,418	19,557	19,702	
1966		3,348	3,350	3,393	3,358	3,310	3,347	3,310	3,280	3,261	3,243	3,270	1973		19,808	19,957	20,030	20,077	20,104	20,167	20,145	20,202	20,183	20,323	20,408	20,432		
1967		3,275	3,223	3,207	3,225	3,221	3,217	3,264	3,263	3,267	3,255	3,276	3,278	1974		20,359	20,287	20,238	20,255	20,235	20,259	20,241	20,154	20,088	19,979	19,666	19,196	
1968		3,142	3,321	3,321	3,347	3,337	3,304	3,337	3,357	3,399	3,425	3,417	3,467	1975		18,754	18,369	18,194	18,122	18,137	18,100	18,074	18,237	18,375	18,461	18,482	18,564	
1969		3,485	3,514	3,529	3,538	3,574	3,595	3,594	3,576	3,603	3,599	3,618	3,655	1976		18,701	18,799	18,900	19,015	19,005	18,996	19,013	19,028	19,136	19,022	19,160	19,190	
1970		3,562	3,636	3,646	3,617	3,567	3,570	3,574	3,579	3,552	3,562	3,585	3,623	1977		19,285	19,343	19,481	19,575	19,643	19,697	19,722	19,697	19,715	19,769	19,849	19,984	
1971		3,582	3,542	3,604	3,676	3,681	3,695	3,717	3,718	3,746	3,793	3,846	3,791	1978		20,065	20,139	20,230	20,282	20,297	20,316							
1972		3,868	3,821	3,866	3,870	3,891	3,897	3,864	3,906	3,926	3,957	3,935	3,860															
1973		3,956	4,028	4,041	4,035	4,067	4,114	4,145	4,135	4,147	4,137	4,149	4,172	1939		4,439	4,486	4,546	4,583	4,568	4,582	4,561	4,614	4,830	5,040	5,115	5,191	
1974		4,165	4,252	4,215	4,146	4,122	4,055	3,963	3,972	3,926	3,887	3,828	3,786	1940		5,157	5,127	5,124	5,111	5,134	5,159	5,156	5,341	5,548	5,676	5,824	5,957	
1975		3,769	3,635	3,516	3,460	3,467	3,449	3,451	3,487	3,510	3,518	3,532	3,550	1941		6,087	6,245	6,381	6,606	6,799	6,991	7,187	7,284	7,430	7,478	7,529	7,593	
1976		3,597	3,576	3,561	3,586	3,565	3,557	3,572	3,568	3,563	3,573	3,601	3,592	1942		7,721	7,868	8,036	8,229	8,431	8,629	8,898	9,210	9,375	9,593	9,827	10,125	
1977		3,551	3,654	3,732	3,805	3,837	3,871	3,902	3,884	3,896	3,905	3,928	3,955	1943		10,369	10,543	10,728	10,839	10,900	11,021	11,100	11,345	11,371	11,638	11,619	11,607	
1978														1944		11,464	11,348	11,197	10,953	10,833	10,750	10,634	10,719	10,607	10,670	10,515	10,617	
														1945		10,606	10,539	10,440	10,200	10,004	9,677	9,371	9,124	7,231	7,219	7,193	7,085	
1939		9,859	9,942	10,063	10,083	10,048	10,062	10,087	10,221	10,511	10,781	10,821	10,833	1946		7,204	6,298	6,911	7,477	7,587	7,742	7,912	8,155	8,294	8,413	8,446	8,474	
1940		10,785	10,751	10,718	10,638	10,617	10,640	10,671	10,938	11,213	11,404	11,596	11,784	1947		8,473	8,516	8,504	8,494	8,383	8,390	8,261	8,257	8,265	8,311	8,365	8,424	
1941		11,934	12,157	12,376	12,699	12,984	13,262	13,549	13,671	13,850	13,884	13,924	13,990	1948		8,477	8,398	8,407	8,315	8,267	8,219	8,338	8,321	8,325	8,307	8,321	8,221	
1942		14,103	14,266	14,460	14,685	14,898	15,056	15,353	15,663	15,906	16,079	16,314	16,641	1950		7,418	7,387	7,462	7,617	7,912	8,053	8,190	8,416	8,500	8,660	8,726	8,781	
1943		16,921	17,083	17,271	17,370	17,426	17,577	17,656	17,889	17,843	18,108	18,114	18,070	1951		8,919	9,024	9,087	9,139	9,142	9,154	9,135	9,087	9,054	9,071	9,126	9,160	
1944		17,943	17,837	17,675	17,416	17,300	17,231	17,124	17,167	17,043	17,134	16,993	17,131	1952		9,204	9,252	9,260	9,303	9,285	8,903	8,750	9,289	9,514	9,667	9,811	9,935	
1945		17,116	17,043	16,941	16,704	16,515	16,177	15,794	15,448	15,546	15,593	13,610	13,616	1953		10,050	10,155	10,257	10,277	10,285	10,282	10,280	10,200	10,140	9,987	9,778	9,663	
1946		13,848	13,052	13,760	14,430	14,592	14,750	14,927	15,177	15,343	15,450	15,555	15,592	1954		9,556	9,429	9,331	9,214	9,129	9,073	8,934	8,873	8,916	8,969	9,049	9,076	
1947		15,626	15,645	15,625	15,596	15,459	15,447	15,374	15,406	15,484	15,540	15,627	15,706	1955		9,131	9,231	9,328	9,436	9,535	9,613	9,608	9,648	9,730	9,779	9,827		
1948		15,768	15,672	15,679	15,452	15,455	15,647	15,597	15,674	15,589	15,532	15,375	1956		9,860	9,848	9,794	9,881	9,843	9,806	9,937	9,805	9,843	9,959	9,964	10,006		
1949		15,139	14,976	14,791	14,601	14,385	14,296	14,214	14,267	14,378	13,978	13,990	14,256	1956		10,018	10,042	10,026	10,022	9,992	9,961	9,944	9,903	9,776	9,717	9,570	9,460	
1950		14,370	14,353	14,466	14,638	14,970	15,135	15,337	15,685	15,809	15,985	16,032	16,094	1957		9,274	9,048	8,875	8,698	8,597	8,620	8,639	8,695	8,801	8,676	8,977	9,042	
1951		16,305	16,444	16,466	16,516	16,500	16,514	16,479	16,352																			

**SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY DIVISION AND SELECTED GROUPS, SEASONALLY ADJUSTED IN THOUSANDS</b>													<b>EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY DIVISION AND SELECTED GROUPS, SEASONALLY ADJUSTED IN THOUSANDS</b>														
<b>SIC 24,25,32-39—DURABLE GOODS</b>													<b>SIC 25—FURNITURE AND FIXTURES</b>														
<b>SIC 24—LUMBER AND WOOD PRODUCTS</b>													<b>SIC 25—FURNITURE AND FIXTURES</b>														
<b>SIC 32—STONE, CLAY, AND GLASS PRODUCTS</b>													<b>SIC 32—STONE, CLAY, AND GLASS PRODUCTS</b>														
<b>SIC 25—FURNITURE AND FIXTURES</b>													<b>SIC 25—FURNITURE AND FIXTURES</b>														
1971	10,723	10,680	10,620	10,626	10,669	10,629	10,604	10,548	10,621	10,617	10,635	10,652	1952	335	332	332	333	334	339	340	341	341	346	352	355		
1972	10,715	10,789	10,850	10,912	10,975	11,012	11,010	11,062	11,123	11,271	11,376	11,492	1953	356	359	361	363	362	359	362	349	345	341	337	333		
1973	11,579	11,707	11,763	11,800	11,843	11,895	11,916	11,955	11,948	12,049	12,106	12,128	1954	329	326	326	323	321	320	321	326	328	329	330	328		
1974	12,067	12,016	11,986	12,034	12,013	12,047	12,060	11,978	11,945	11,901	11,697	11,375	1955	329	333	337	341	345	347	349	353	354	355	357	358		
1975	11,092	10,843	10,732	10,639	10,605	10,554	10,494	10,575	10,658	10,671	10,671	10,722	1956	361	361	359	358	359	359	358	357	356	356	355	355		
1976	10,817	10,890	10,971	11,045	11,087	11,092	11,109	11,140	11,193	11,102	11,222	11,246	1957	353	354	355	357	358	362	359	357	356	356	354	354		
1977	11,308	11,336	11,445	11,487	11,541	11,577	11,623	11,621	11,637	11,693	11,746	11,851	1958	350	345	340	334	335	336	339	342	348	349	351	351		
1978	11,917	11,986	12,041	12,076	12,093	12,109							1959	359	362	363	365	369	370	373	366	367	366	367	370		
													1960	371	372	372	373	371	369	365	364	361	360	355	347		
1947	913	907	902	896	883	868	857	851	850	851	849	860	1961	339	342	343	345	347	348	351	353	354	357	359	361		
1948	888	874	864	845	817	818	853	854	849	839	833	815	1962	359	363	365	366	370	369	368	369	368	368	368	368		
1949	801	783	780	768	759	761	753	751	749	760	771	781	1963	368	368	367	368	369	370	372	374	375	375	375	376		
1950	773	782	804	808	821	831	847	864	876	876	877	880	1964	374	378	380	384	381	387	389	389	392	394	394	395		
1951	909	898	881	896	887	880	861	852	852	850	841	841	1965	398	401	404	409	407	409	412	410	414	416	419	424		
1952	832	835	823	821	762	811	835	835	832	819	822	826	1966	427	430	434	436	439	442	442	446	444	444	446	446		
1953	831	830	837	834	820	815	802	791	784	779	772	753	1967	440	439	435	434	432	430	429	431	431	434	436	440		
1954	741	746	755	745	749	746	670	665	739	764	770	767	1968	442	443	444	446	448	450	451	452	452	453	456	456		
1955	765	765	762	760	764	775	772	775	779	778	777	778	1969	459	462	462	464	464	464	463	463	462	460	457	456		
1956	791	796	774	782	776	770	764	762	752	739	728	724	1970	455	450	450	447	437	433	436	435	438	435	433	431		
1957	718	709	704	698	697	693	685	681	674	668	664	659	1971	431	431	432	435	440	441	446	442	450	454	458	464		
1958	651	642	638	624	625	630	636	638	652	665	670	677	1972	467	472	475	479	480	482	487	485	486	492	496	499		
1959	685	682	691	693	697	696	700	697	695	693	694	696	1973	502	505	509	508	508	511	507	507	502	507	507	509		
1960	687	687	678	679	673	668	664	658	650	641	627	611	1974	508	503	502	503	502	500	495	495	486	477	458	445		
1961	613	604	605	610	614	618	616	618	619	619	619	616	1975	448	450	455	458	459	462	466	463	465	471	475	481		
1962	615	623	622	625	626	627	625	628	625	626	625	621	1976	484	487	491	491	489	486								
1963	633	628	631	629	637	605	610	625	640	643	646	645	1977														
1964	641	645	644	645	646	644	649	650	652	651	650	649	1978														
1965	639	646	653	651	653	651	653	654	655	658	663	670	1979	341	343	354	365	365	371	372	374	379	392	393	383		
1966	673	673	674	674	671	673	668	667	658	654	653	649	1980	371	365	370	378	383	384	386	392	397	404	409	408		
1967	652	650	649	648	645	649	647	646	648	650	653	653	1981	410	417	429	441	454	459	469	476	480	480	479	473		
1968	651	655	656	656	654	655	660	663	664	670	672	681	1982	468	465	466	467	463	461	456	455	455	456	455	457		
1969	683	684	686	679	685	683	677	676	672	665	668	675	1983	459	455	453	451	447	448	449	444	438	437	436	437		
1970	673	662	658	651	647	640	635	635	639	637	637	638	1984	435	431	425	418	414	410	411	407	400	399	402	405		
1971	641	643	646	654	660	663	670	676	686	691	696	698	1985	412	411	410	405	407	409	408	405	399	410	401	412		
1972	704	707	708	711	711	720	728	731	737	743	751	754	1986	439	464	474	484	491	499	507	520	526	528	525	526		
1973	761	765	766	764	760	761	755	757	756	754	756	755	1987	535	534	535	541	535	536	536	536	540	540	541	541		
1974	749	751	752	751	745	734	727	713	698	668	640	626	1988	539	538	543	547	552	552	553	553	554	554	555	549		
1975	602	594	590	593	606	613	615	624	628	635	635	639	1989	540	535	524	516	515	515	508	505	508	501	502	505		
1976	656	668	661	667	670	674	684	685	691	694	700	703	1990	507	511	512	524	539	547	555	565	566	578	583	581		
1977	703	710	709	712	712	714	714	721	721	730	736	745	1991	593	592	595	596	596	592	591	585	583	579	573	570		
1978	754	756	752	751	745	747							1992	567	564	562	562	557	559	553	560	563	568	574	577		
													1993	582	586	587	587	585	584	583	581	577	574	574	570		
1947	310	314	316	316	319	321	318	320	320	323	329	332	1994	559	558	555	550	548									

## SEASONALLY ADJUSTED

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.				
<b>EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY DIVISION AND SELECTED GROUPS, SEASONALLY ADJUSTED IN THOUSANDS</b>																															
		<b>SIC 32—STONE, CLAY, AND GLASS PRODUCTS</b>																<b>EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY DIVISION AND SELECTED GROUPS, SEASONALLY ADJUSTED IN THOUSANDS</b>													
1961		575	566	575	574	579	582	584	588	589	591	590	589	1977		1,160	1,161	1,180	1,182	1,193	1,194	1,181	1,177	1,182	1,182	1,180	1,180	1,180			
1962		586	586	586	591	595	594	595	596	595	598	594	590	1978		1,186	1,193	1,189	1,192	1,197	1,197										
1963		590	584	591	599	604	604	606	607	604	605	607	606	1947		1,053	1,059	1,067	1,070	1,063	1,053	1,043	1,031	1,038	1,037	1,039	1,043	1,048			
1964		602	608	612	611	613	614	615	616	619	618	618	620	1948		1,055	1,050	1,051	1,044	1,043	1,017	1,044	1,041	1,045	1,040	1,041	1,041	1,029			
1965		621	623	625	625	622	621	626	629	634	635	637	644	1949		1,005	993	969	950	930	917	921	919	931	892	887	915				
1966		647	647	648	649	648	646	647	644	640	639	638	639	1950		928	938	957	979	1,008	1,037	1,061	1,091	1,112	1,128	1,137	1,140				
1967		635	632	630	626	625	626	626	626	624	626	631	635	1951		1,152	1,161	1,171	1,180	1,180	1,170	1,161	1,153	1,145	1,143	1,142	1,147				
1968		634	603	587	639	640	642	643	644	644	646	648	653	1952		1,155	1,162	1,168	1,172	1,169	1,116	1,091	1,152	1,192	1,215	1,231	1,252				
1969		655	656	657	655	652	657	657	657	658	659	658	1953		1,272	1,289	1,303	1,306	1,313	1,314	1,316	1,304	1,293	1,270	1,245	1,214					
1970		654	655	652	649	642	642	638	640	644	638	635	638	1954		1,218	1,204	1,187	1,174	1,170	1,165	1,158	1,156	1,151	1,150	1,160	1,162				
1971		638	637	637	644	645	644	644	645	650	647	652	653	1955		1,163	1,175	1,195	1,210	1,225	1,231	1,232	1,233	1,243	1,248	1,249	1,248				
1972		662	664	667	671	677	679	682	683	688	690	694	694	1956		1,247	1,245	1,241	1,250	1,239	1,227	1,185	1,230	1,239	1,262	1,253	1,260				
1973		698	707	711	713	715	717	718	716	716	722	723	730	1957		1,266	1,278	1,278	1,276	1,270	1,269	1,271	1,273	1,257	1,266	1,254	1,249				
1974		729	726	724	717	716	712	714	710	701	693	683	670	1958		1,228	1,200	1,172	1,149	1,132	1,139	1,145	1,160	1,175	1,158	1,189	1,193				
1975		653	640	625	624	621	618	625	630	630	630	629	1959		1,201	1,207	1,220	1,234	1,241	1,251	1,254	1,213	1,221	1,189	1,172	1,229					
1976		634	633	636	643	644	646	647	648	649	652	651	1960		1,251	1,270	1,261	1,246	1,240	1,236	1,229	1,224	1,221	1,218	1,192	1,178					
1977		689	691	692	699	700	701							1961		1,165	1,153	1,145	1,155	1,176	1,180	1,182	1,198	1,191	1,204	1,211	1,217				
1978														1962		1,217	1,226	1,231	1,240	1,229	1,239	1,244	1,241	1,246	1,242	1,241	1,244				
		<b>SIC 33—PRIMARY METAL INDUSTRIES</b>																<b>SIC 33—PRIMARY METAL INDUSTRIES</b>													
1947		1,216	1,223	1,224	1,232	1,228	1,235	1,231	1,227	1,221	1,221	1,219	1,220	1963		1,244	1,248	1,247	1,255	1,262	1,266	1,271	1,272	1,277	1,272	1,276	1,276				
1948		1,221	1,223	1,234	1,226	1,227	1,230	1,241	1,245	1,244	1,248	1,251	1,243	1964		1,275	1,280	1,287	1,291	1,291	1,295	1,303	1,324	1,279	1,310	1,322	1,322				
1949		1,233	1,221	1,206	1,177	1,148	1,121	1,095	1,079	1,082	699	883	1,090	1965		1,331	1,345	1,324	1,355	1,364	1,370	1,384	1,378	1,390	1,397	1,411	1,415				
1950		1,096	1,111	1,116	1,147	1,172	1,192	1,211	1,233	1,247	1,258	1,269	1,276	1966		1,431	1,446	1,457	1,467	1,474	1,483	1,488	1,504	1,512	1,522	1,538	1,547				
1951		1,285	1,291	1,299	1,308	1,315	1,319	1,320	1,320	1,313	1,311	1,296	1,308	1968		1,548	1,551	1,549	1,549	1,550	1,559	1,558	1,561	1,549	1,556	1,572	1,578				
1952		1,308	1,309	1,305	1,296	1,297	868	841	1,262	1,300	1,307	1,318	1,325	1969		1,582	1,582	1,586	1,593	1,598	1,609	1,613	1,612	1,618	1,627	1,643	1,651				
1953		1,334	1,339	1,347	1,349	1,348	1,346	1,349	1,335	1,321	1,303	1,277	1,255	1970		1,664	1,670	1,673	1,671	1,673	1,670	1,670	1,664	1,658	1,652	1,652	1,650				
1954		1,232	1,208	1,191	1,174	1,162	1,160	1,152	1,143	1,138	1,141	1,154	1,161	1971		1,487	1,480	1,459	1,474	1,481	1,477	1,475	1,478	1,488	1,490	1,488	1,484				
1955		1,174	1,197	1,221	1,245	1,270	1,280	1,287	1,305	1,308	1,315	1,321	1,321	1972		1,492	1,506	1,518	1,526	1,539	1,546	1,544	1,555	1,561	1,574	1,592	1,605				
1956		1,327	1,330	1,327	1,336	1,326	1,319	972	1,299	1,332	1,338	1,336	1,339	1973		1,623	1,640	1,643	1,651	1,652	1,655	1,657	1,656	1,641	1,658	1,669	1,669				
1957		1,343	1,339	1,326	1,321	1,316	1,308	1,308	1,304	1,280	1,268	1,245	1,225	1974		1,665	1,661	1,654	1,656	1,649	1,652	1,657	1,644	1,632	1,627	1,607	1,559				
1958		1,186	1,138	1,104	1,072	1,059	1,070	1,071	1,079	1,104	1,109	1,136	1,152	1975		1,503	1,484	1,459	1,458	1,450	1,443	1,416	1,446	1,453	1,463	1,461	1,462				
1959		1,163	1,190	1,222	1,250	1,267	1,281	1,273	850	821	815	1,195	1,271	1976		1,476	1,487	1,499	1,509	1,513	1,515	1,519	1,526	1,527	1,527	1,531	1,531				
1960		1,281	1,284	1,268	1,248	1,221	1,192	1,161	1,147	1,128	1,118	1,095	1,073	1977		1,542	1,544	1,557	1,558	1,571	1,576	1,580	1,586	1,580	1,597	1,608	1,617				
1961		1,060	1,046	1,044	1,053	1,080	1,099	1,114	1,128	1,136	1,143	1,147	1,152	1978		1,625	1,638	1,639	1,646	1,652	1,645										
1962		1,161	1,170	1,169	1,166	1,136	1,104	1,085	1,092	1,094	1,091	1,088	1,093	1947		544	557	564	569	575	577	580	584	597	619	641	648				
1963		1,092	1,099	1,111	1,128	1,142	1,153	1,149	1,133	1,127	1,125	1,129	1,139	1948		655	665	668	676	680	685	692	703	719	736	756	779				
1964		1,142	1,150	1,155	1,161	1,170	1,174	1,183	1,203	1,224	1,234	1,238	1,238	1949		545	557	564	569	575	577	580	584	597	619	641	648				
1965		1,241	1,245	1,248	1,247	1,258	1,263	1,278	1,277	1,252	1,237	1,243	1,240	1950		655	665	668	676	680	685	692	703	719	736	756	779				
1966		1,251	1,260	1,271	1,280	1,285	1,298	1,307	1,319	1,325	1,326	1,321	1,317	1951	</td																

### **SEASONALLY ADJUSTED**

See footnotes at end of tables.

### **SEASONALLY ADJUSTED**

See footnotes at end of tables.

### **SEASONALLY ADJUSTED**

See footnotes at end of tables.

**SEASONALLY ADJUSTED**

See footnotes at end of tables

## **SEASONALLY ADJUSTED**

See footnotes at end of tables.

## SEASONALLY ADJUSTED

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY DIVISION AND SELECTED GROUPS, SEASONALLY ADJUSTED IN THOUSANDS</b>																											
SIC 28—CHEMICALS AND ALLIED PRODUCTS																											
1971 1,024 1,020 1,015 1,018 1,019 1,011 1,006 1,003 1,004 1,003 1,003 1,003 1,002																											
1972 1,003 1,005 1,005 1,005 1,010 1,009 1,004 1,006 1,012 1,014 1,018 1,022																											
1973 1,023 1,028 1,032 1,034 1,039 1,042 1,040 1,041 1,047 1,048 1,053																											
1974 1,055 1,055 1,057 1,054 1,059 1,063 1,066 1,069 1,071 1,068 1,060 1,047																											
1975 1,035 1,024 1,012 1,006 1,007 1,004 1,003 1,010 1,012 1,020 1,022 1,023																											
1976 1,029 1,035 1,039 1,041 1,040 1,036 1,044 1,049 1,046 1,047 1,051 1,054																											
1977 1,058 1,063 1,067 1,073 1,076 1,076 1,076 1,074 1,073 1,073 1,073 1,076																											
1978 1,079 1,081 1,081 1,085 1,093 1,091																											
SIC 29—PETROLEUM AND COAL PRODUCTS																											
1939 137 135 137 136 137 138 137 139 141 146 145 143																											
1940 143 143 143 143 143 144 144 146 149 150 150 149																											
1941 150 150 151 151 153 154 156 156 157 159 159 159																											
1942 159 160 161 162 161 160 161 160 159 158 158 158																											
1943 159 159 158 158 160 159 160 162 160 163 164 165																											
1944 165 167 168 170 175 175 176 181 176 177 179 181																											
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1946 200 200 204 206 208 208 210 211 211 212 213 214																											
1947 216 217 216 216 218 220 223 223 224 224 226 227																											
1948 228 228 228 229 231 232 231 232 230 219 227 226																											
1949 225 224 222 223 222 220 220 219 219 220 219 217																											
1950 217 217 217 209 210 212 213 213 212 211 221 223																											
SIC 30—RUBBER AND MISC. PLASTICS PRODUCTS																											
1939 151 154 156 160 161 160 161 171 171 172 171 171																											
1940 174 172 171 171 172 171 171 171 171 171 171 171																											
1941 192 198 200 210 214 222 221 221 221 221 221 221																											
1942 205 204 205 204 204 204 204 204 204 204 204 204																											
1943 251 255 257 262 266 270 273 275 275 275 275 275																											
1944 280 283 285 285 287 286 286 286 286 286 286 286																											
1945 291 293 293 293 293 293 293 293 293 293 293 293																											
1946 295 297 304 312 317 321 315 315 315 315 315 315																											
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1949 319 319 319 319 319 319 319 319 319 319 319 319																											
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1951 333 335 334 336 339 339 339 339 339 339 339 339																											

**SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY DIVISION AND SELECTED GROUPS, SEASONALLY ADJUSTED IN THOUSANDS</b>														<b>EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY DIVISION AND SELECTED GROUPS, SEASONALLY ADJUSTED IN THOUSANDS</b>													
		SIC 31—LEATHER AND LEATHER PRODUCTS														SERVICE-PRODUCING <b>dt</b>											
1947	406	405	406	406	402	399	404	410	416	425	430	431	1955	29,531	29,539	29,676	29,739	29,888	30,064	30,197	30,244	30,410	30,519	30,615	30,779		
1948	429	428	422	405	400	410	410	413	411	414	404	399	1956	30,883	31,009	31,117	31,165	31,252	31,247	31,168	31,272	31,309	31,406	31,508	31,573		
1949	396	393	392	392	385	389	390	392	390	376	384	384	1957	31,612	31,722	31,783	31,837	31,875	31,869	31,944	31,976	31,982	31,932	31,919	31,863		
1950	387	387	389	382	387	389	397	402	407	405	402	399	1958	31,819	31,718	31,627	31,521	31,595	31,644	31,696	31,798	31,865	31,953	32,014	32,130		
1951	401	403	400	393	379	385	378	374	363	360	360	364	1960	32,349	32,437	32,548	32,670	32,738	32,838	32,890	32,957	33,023	33,076	33,164	33,313		
1952	368	373	374	377	381	382	383	388	392	395	399	400		33,395	33,503	33,712	33,840	33,713	33,748	33,779	33,823	33,814	33,831	33,831	33,819		
1953	399	395	395	399	397	395	390	386	383	379	379	375	1961	33,849	33,814	33,841	33,857	33,919	34,042	34,174	34,265	34,340	34,371	34,492	34,539		
1954	373	373	373	370	369	370	375	374	373	374	376	377	1962	34,581	34,692	34,781	34,858	34,998	35,050	35,137	35,250	35,312	35,367	35,438	35,487		
1955	379	380	383	384	386	388	390	389	390	390	378	393	1963	35,464	35,614	35,710	35,783	35,853	35,921	36,008	36,115	36,226	36,379	36,418	36,528		
1956	393	393	389	385	385	384	381	379	376	377	375	376	1964	36,673	36,791	36,854	36,971	37,059	37,170	37,289	37,422	37,552	37,675	37,773	37,918		
1957	374	373	376	378	375	373	372	372	373	372	369	368	1965	37,960	38,150	38,315	38,438	38,626	38,741	38,927	39,040	39,199	39,332	39,486	39,673		
1958	365	365	359	347	352	356	357	357	361	357	365	368	1966	39,800	39,973	40,179	40,316	40,513	40,739	40,875	40,943	41,068	41,241	41,420	41,575		
1959	369	371	371	374	377	378	374	378	376	374	374	372	1967	41,752	41,835	41,991	42,091	42,267	42,442	42,580	42,695	42,848	42,886	43,130	43,293		
1960	370	366	367	365	365	364	364	365	362	360	359	356	1968	43,320	43,484	43,614	43,759	43,825	44,062	44,221	44,393	44,502	44,697	44,865	45,058		
1961	358	359	357	358	358	360	358	359	356	357	359	361	1970	45,178	45,346	45,497	45,670	45,839	46,033	46,132	46,256	46,323	46,515	46,621	46,766		
1962	361	361	363	367	362	362	359	360	359	359	358	357		46,869	47,003	47,159	47,256	47,254	47,239	47,329	47,483	47,534	47,562	47,647			
1963	353	352	351	349	349	348	351	349	350	349	349	345	1971	47,811	47,848	47,938	48,052	48,152	48,218	48,284	48,324	48,517	48,552	48,685	48,910		
1964	343	344	345	346	346	348	351	349	350	350	350	350	1972	49,131	49,273	49,444	49,595	49,758	49,978	50,002	50,214	50,312	50,533	50,783	50,976		
1965	349	350	353	349	351	350	352	354	355	355	358	359	1973	51,130	51,305	51,466	51,563	51,669	51,824	51,782	52,028	52,193	52,397	52,653	52,665		
1966	362	364	366	367	368	367	357	365	363	362	360	374	1974	52,807	52,962	53,021	53,131	53,323	53,440	53,584	53,665	53,829	54,015	54,001	53,905		
1967	358	356	352	351	348	347	349	347	348	350	352	353	1975	53,826	53,892	53,876	53,982	54,131	54,132	54,388	54,604	54,605	54,772	54,835	54,970		
1968	353	354	356	356	356	356	355	355	356	356	357	354	1976	55,236	55,384	55,596	55,794	55,893	56,002	56,108	56,243	56,347	56,418	56,579	56,727		
1969	354	351	350	347	346	343	347	342	333	336	335	335	1977	56,848	56,992	57,232	57,449	57,630	57,874	58,021	58,227	58,532	58,692	58,932	59,093		
1970	334	329	327	326	322	321	326	314	313	311	308	306	1978	59,223	59,464	59,799	60,105	60,277	60,523								
1971	306	303	301	301	300	299	298	298	296	295	297	297															
1972	298	300	299	297	299	299	297	297	295	293	290	288	1939	2,862	2,872	2,892	2,894	2,922	2,923	2,926	2,965	3,041	3,024	3,003			
1973	287	286	286	285	285	285	280	281	283	283	284	282	1940	3,004	3,019	3,012	2,992	3,017	3,016	3,021	3,038	3,057	3,099	3,088			
1974	279	278	279	277	275	274	273	273	268	262	262	255															
1975	247	240	235	236	241	244	248	251	254	259	261	263	1941	3,093	3,102	3,148	3,190	3,247	3,277	3,321	3,356	3,373	3,407	3,388			
1976	267	268	267	269	269	267	264	261	259	255	253	253	1942	3,393	3,374	3,393	3,433	3,443	3,442	3,464	3,478	3,495	3,525	3,557			
1977	256	255	255	255	258	254	246	251	250	255	254	253	1943	3,575	3,566	3,594	3,616	3,625	3,649	3,666	3,667	3,679	3,696	3,708	3,721		
1978	252	253	252	253	253	252							1944	3,750	3,787	3,809	3,826	3,848	3,846	3,841	3,844	3,847	3,832	3,851	3,864		
													1945	3,870	3,895	3,907	3,892	3,908	3,905	3,914	3,901	3,887	3,881	3,948	3,976		
													1946	4,024	4,032	4,048	4,049	4,004	3,998	4,045	4,088	4,079	4,117	4,141	4,112		
													1947	4,157	4,156	4,157	4,024	4,119	4,186	4,189	4,196	4,200	4,186	4,198	4,216		
													1948	4,183	4,200	4,193	4,120	4,198	4,201	4,197	4,189	4,190	4,181	4,197			
													1949	4,138	4,112	4,047	4,055	4,078	4,035	3,991	3,961	3,944	3,851	3,886	3,923		
													1950	3,926	3,903	3,913	3,976	3,915	4,020	4,053	4,106	4,141	4,143	4,154	4,156		
													1951	4,186	4,209	4,229	4,254	4,236	4,231	4,221	4,226	4,227	4,221	4,245	4,239		
													1952	4,258	4,275	4,265	4,224	4,234	4,224	4,165	4,222	4,250	4,281	4,293	4,297		
													1953	4,283	4,294	4,302	4,307	4,312	4,307	4,315	4,302	4,294	4,285	4,261	4,229		
													1954	4,189	4,152	4,082	4,106	4,083	4,076	4,071	4,055	4,052	4,047	4,042	4,054		
													1955	4,066	4,075	4,083	4,056	4,099	4,151	4,163	4,183	4,186	4,181	4,212	4,227		
													1956	4,227	4,237	4,243	4,257	4,260	4,257	4,210	4,239	4,246	4,244	4,249	4,250		
													1957	4,257	4,261	4,278	4,278	4,268	4,245	4,248	4,265	4,252	4,211	4,179	4,155		
													1958	4,111	4,071	4,018	3,978	3,961	3,939	3,929	3,924	3,948	3,956	3,958	3,961		
													1959	3,998	4,001	4,011	4,023	4,035	4,035	4,005	4,002	3,978	3,994	3,994	3,929		
													1960	4,025	4,037	4,038	4,052	4,031	4,028	4,015	4,000	3,982	3,966	3,952	3,929		
													1961	3,922	3,906	3,897	3,880	3,884	3,892	3,909	3,907	3,914	3,907	3,916	3,908		

See footnotes at end of tables

#### **SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.				
<b>EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY DIVISION AND SELECTED GROUPS, SEASONALLY ADJUSTED IN THOUSANDS</b>																															
		TRANSPORTATION AND PUBLIC UTILITIES																WHOLESALE AND RETAIL TRADE													
1962		3,904	3,913	3,916	3,915	3,916	3,908	3,885	3,898	3,896	3,908	3,904	3,913	1971		15,175	15,184	15,218	15,262	15,298	15,301	15,352	15,398	15,456	15,473	15,507	15,582				
1963		3,818	3,907	3,898	3,896	3,903	3,915	3,929	3,919	3,921	3,916	3,908	3,902	1972		15,669	15,733	15,790	15,826	15,861	15,918	15,915	15,987	16,017	16,113	16,229	16,290				
1964		3,916	3,924	3,920	3,937	3,938	3,932	3,956	3,954	3,971	3,974	3,975	4,004	1973		16,371	16,428	16,492	16,501	16,543	16,601	16,600	16,632	16,679	16,759	16,854	16,788				
1965		3,938	3,984	4,015	4,020	4,021	4,033	4,041	4,052	4,068	4,080	4,082	4,089	1974		16,820	16,846	16,858	16,887	16,964	16,994	17,049	17,049	17,105	17,167	17,116	16,996				
1966		4,099	4,112	4,125	4,133	4,144	4,167	4,148	4,126	4,190	4,202	4,222	4,228	1975		16,906	16,865	16,844	16,882	16,930	16,994	17,073	17,155	17,189	17,232	17,255	17,307				
1967		4,254	4,252	4,258	4,223	4,279	4,272	4,289	4,275	4,271	4,267	4,288	4,291	1976		17,415	17,515	17,591	17,676	17,740	17,763	17,797	17,848	17,903	17,905	17,990	17,966				
1968		4,287	4,304	4,301	4,305	4,252	4,296	4,315	4,327	4,338	4,347	4,358	4,371	1977		18,030	18,122	18,225	18,325	18,397	18,466	18,531	18,607	18,672	18,733	18,830	18,911				
1969		4,364	4,372	4,387	4,425	4,432	4,455	4,469	4,471	4,475	4,475	4,480	4,489	1978		18,991	19,071	19,169	19,252	19,335	19,412										
1970		4,517	4,510	4,516	4,492	4,500	4,527	4,567	4,547	4,529	4,517	4,503	4,448																		
1971		4,493	4,508	4,501	4,495	4,507	4,497	4,494	4,446	4,467	4,423	4,423	4,464																		
1972		4,487	4,497	4,530	4,525	4,523	4,542	4,537	4,538	4,552	4,572	4,583	4,602	1939		1,732	1,730	1,716	1,731	1,742	1,751	1,756	1,765	1,788	1,815	1,806	1,808				
1973		4,594	4,609	4,625	4,636	4,640	4,642	4,650	4,670	4,682	4,707	4,707	4,708	1940		1,808	1,807	1,814	1,811	1,821	1,830	1,834	1,842	1,858	1,852	1,866	1,879				
1974		4,743	4,740	4,736	4,729	4,732	4,732	4,735	4,736	4,706	4,719	4,708	4,687																		
1975		4,643	4,593	4,563	4,547	4,541	4,518	4,518	4,520	4,516	4,519	4,526	4,500	1941		1,886	1,896	1,904	1,936	1,952	1,974	1,991	2,009	2,002	1,997	1,987	1,979				
1976		4,536	4,546	4,561	4,568	4,566	4,578	4,590	4,591	4,602	4,597	4,609	4,636	1942		1,975	1,966	1,955	1,942	1,926	1,901	1,893	1,886	1,871	1,871	1,850	1,837				
1977		4,640	4,652	4,659	4,673	4,692	4,695	4,698	4,727	4,721	4,736	4,749		1943		1,830	1,833	1,832	1,832	1,825	1,834	1,845	1,819	1,803	1,791	1,808					
1978		4,758	4,782	4,817	4,847	4,881								1944		1,817	1,832	1,830	1,836	1,842	1,849	1,851	1,847	1,846	1,849	1,876					
		WHOLESALE AND RETAIL TRADE																1,875	1,885	1,888	1,902	1,918	1,916	1,930	1,938	1,974	2,006	2,050	2,100		
1939		6,288	6,304	6,320	6,377	6,400	6,420	6,441	6,447	6,499	6,524	6,516	6,557	1947		2,145	2,177	2,220	2,248	2,266	2,289	2,311	2,335	2,346	2,352	2,385	2,419				
1940		6,556	6,580	6,650	6,681	6,701	6,759	6,748	6,782	6,845	6,839	6,850	6,951	1948		2,417	2,417	2,423	2,422	2,424	2,448	2,468	2,485	2,533	2,535	2,539	2,536				
1941		6,899	6,950	7,050	7,112	7,164	7,247	7,310	7,393	7,379	7,336	7,316	7,318	1950		2,586	2,579	2,578	2,594	2,607	2,620	2,635	2,682	2,699	2,692	2,672	2,672				
1942		7,273	7,245	7,215	7,170	7,142	7,088	7,063	7,067	7,030	7,068	7,038	7,016			2,680	2,694	2,707	2,721	2,724	2,729	2,733	2,732	2,728	2,741	2,766	2,769				
1943		6,972	6,965	6,977	6,991	6,971	7,010	7,017	6,970	6,940	6,967	7,015	6,960	1951		2,775	2,788	2,800	2,801	2,812	2,818	2,810	2,821	2,827	2,823	2,829	2,841				
1944		7,025	7,041	7,041	7,033	7,031	7,034	7,072	7,067	7,056	7,087	7,116	7,097	1952		2,847	2,855	2,853	2,844	2,858	2,863	2,854	2,845	2,849	2,859	2,860	2,857				
1945		7,184	7,211	7,205	7,204	7,169	7,193	7,242	7,261	7,379	7,460	7,583	7,632	1953		2,866	2,873	2,870	2,868	2,859	2,853	2,861	2,858	2,869	2,884	2,884					
1946		7,896	8,031	8,139	8,237	8,318	8,338	8,418	8,543	8,558	8,577	8,694	8,713	1954		2,885	2,881	2,892	2,903	2,908	2,912	2,931	2,929	2,946	2,956	2,974	2,986				
1947		8,750	8,772	8,821	8,839	8,876	8,923	8,975	9,005	9,076	9,130	9,137	9,143	1955		2,993	3,005	3,018	3,019	3,019	3,024	3,017	3,034	3,023	3,016	3,019	3,030				
1948		9,175	9,179	9,195	9,198	9,214	9,268	9,313	9,345	9,347	9,351	9,338	9,343	1956		3,028	3,041	3,040	3,040	3,039	3,035	3,034	3,035	3,022	3,021	3,011	2,996				
1949		9,297	9,288	9,309	9,325	9,284	9,258	9,206	9,222	9,280	9,243	9,190	9,261	1957		2,990	2,978	2,970	2,969	2,967	2,978	2,978	2,978	2,979	2,986	2,996	2,999				
1950		9,202	9,192	9,210	9,260	9,325	9,359	9,406	9,519	9,537	9,520	9,512	9,543	1958		3,026	3,029	3,036	3,051	3,067	3,074	3,083	3,133	3,112	3,116	3,136					
1951		9,594	9,653	9,691	9,713	9,738	9,760	9,764	9,774	9,765	9,772	9,830	9,842	1960		3,128	3,130	3,134	3,147	3,142	3,138	3,140	3,173	3,157	3,150	3,142	3,138				
1952		9,849	9,876	9,905	9,924	9,953	9,977	9,997	10,028	10,071	10,113	10,146	10,175																		
1953		10,184	10,224	10,234	10,226	10,247	10,264	10,265	10,258	10,248	10,294	10,272	10,253	1961		3,129	3,123	3,118	3,114	3,120	3,119	3,131	3,149	3,146	3,149	3,150	3,147				
1954		10,251	10,243	10,236	10,234	10,222	10,211	10,214	10,210	10,207	10,221	10,249	10,319	1962		3,158	3,174	3,183	3,188	3,198	3,206	3,211	3,213	3,212	3,212	3,206	3,210				
1955		10,317	10,323	10,401	10,418	10,453	10,502	10,561	10,584	10,651	10,666	10,717	10,795	1963		3,218	3,225	3,232	3,239	3,243	3,242	3,245	3,249	3,256	3,275	3,289					
1956		10,829	10,856	10,889	10,888	10,899	10,909	10,916	10,919	10,919	10,883	10,873	10,828	1964		3,300	3,299	3,301	3,309	3,322	3,330	3,339	3,343	3,360	3,370	3,378					
1957		10,853	10,889	10,889	10,889	10,899	10,909	10,916	10,919	10,919	10,883	10,873	10,828	1965		3,401	3,412	3,425	3,437	3,453	3,468	3,477	3,481	3,495	3,506	3,511					
1958		10,818	10,754	10,700	10,608	10,659	10,695	10,707	10,739	10,780	10,808	10,832	10,870	1966		3,534	3,548	3,556	3,566	3,582	3,600	3,616	3,620	3,618	3,629	3,643					
1959		10,918	10,968	11,015	11,050	11,072	11,147	11,167	11,246	11,214	11,228	11,233	11,276	1967		3,663	3,661	3,668	3,680	3,681	3,682	3,687	3,709	3,702	3,700	3,719	3,713				
1960		11,332	11,367	11,385	11,431	11,412	11,406	11,413	11,437	11,413	11,419	11,366	11,342	1968		3,714	3,732	3,737	3,751	3,759	3,780	3,788	3,798	3,809	3,820	3,834					
1961		11,341	11,285	11,269	11,265	11,286	11,324	11,355	11,370	11,361	11,374	11,416	11,416	1970		3,847	3,858	3,863	3,873	3,887	3,908	3,919	3,926	3,931	3,942	3,953					
1962		11,422	11,465	11,487	11,517	11,565	11,580	11,593	11,612	11,626	11,644	11,646	11,646			3,984	3,987	3,992	3,993	3,995	3,991	4,012	3,991	3,995	3,995	3,990	3,991				
1963		11,658	11,676	11,714	11,743	11,751	11,748	11,762	11,797	11,823	11,859	11,879	11,922	1971		3,984	3,980	3,982	3,98												

See footnotes at end of tables

## **SEASONALLY ADJUSTED**

See footnotes at end of tables.

**SEASONALLY ADJUSTED**

See footnotes at end of tables

**SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.				
<b>EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY DIVISION AND SELECTED GROUPS, SEASONALLY ADJUSTED IN THOUSANDS</b>														<b>WOMEN EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY DIVISION AND SELECTED GROUPS, SEASONALLY ADJUSTED IN THOUSANDS</b>																	
		SIC 91—FEDERAL GOVERNMENT																TOTAL													
1971	2,684	2,682	2,680	2,685	2,685	2,685	2,693	2,707	2,708	2,706	2,702	2,698	1964	19,268	19,378	19,417	19,469	19,529	19,609	19,722	19,767	19,859	19,898	19,979	20,041						
1972	2,703	2,698	2,691	2,695	2,691	2,676	2,645	2,666	2,671	2,674	2,678	2,684	1965	20,119	20,183	20,249	20,347	20,445	20,541	20,825	20,811	20,934	21,042	21,158	21,282						
1973	2,673	2,665	2,664	2,667	2,670	2,655	2,624	2,645	2,654	2,659	2,668	2,680	1966	21,390	21,542	21,692	21,847	21,978	22,157	22,405	22,391	22,499	22,608	22,736	22,812						
1974	2,683	2,699	2,702	2,711	2,719	2,723	2,732	2,734	2,739	2,740	2,738	2,738	1967	22,910	22,948	23,016	23,063	23,099	23,170	23,193	23,100	23,536	23,592	23,730	23,866						
1975	2,736	2,735	2,735	2,735	2,736	2,741	2,751	2,750	2,757	2,759	2,756	2,755	1968	23,863	23,973	24,052	24,166	24,252	24,374	24,386	24,381	24,603	24,746	24,870	25,009						
1976	2,749	2,743	2,735	2,736	2,732	2,728	2,726	2,728	2,727	2,727	2,731	2,723	1969	25,095	25,213	25,302	25,422	25,546	25,656	25,595	25,577	25,824	25,932	25,944	26,031						
1977	2,722	2,721	2,728	2,721	2,725	2,735	2,724	2,730	2,725	2,728	2,727	2,723	1970	26,077	26,156	26,219	26,247	26,191	26,144	26,195	26,142	26,202	26,158	26,175	26,259						
1978	2,736	2,736	2,739	2,745	2,753	2,772																									
		SIC 92,93—STATE AND LOCAL GOVERNMENT														1971	26,309	26,295	26,373	26,459	26,541	26,519	26,517	26,593	26,716	26,727	26,821	26,941			
															1972	27,115	27,181	27,284	27,391	27,470	27,606	27,665	27,832	27,911	28,081	28,281	28,383				
1939	3,067	3,062	3,055	3,057	3,061	3,065	3,085	3,097	3,118	3,130	3,131	3,152	1973	28,521	28,662	28,751	28,746	28,849	28,950	28,919	29,091	29,203	29,401	29,554	29,633						
1940	3,161	3,151	3,144	3,145	3,162	3,211	3,243	3,250	3,249	3,252	3,254	3,251	1974	29,701	29,768	29,847	29,944	30,094	30,137	30,288	30,323	30,448	30,470	30,569	30,597	30,657					
1941	3,252	3,268	3,279	3,293	3,313	3,334	3,351	3,366	3,361	3,347	3,343	3,337	1975	30,018	29,973	29,906	29,873	29,970	29,969	30,057	30,271	30,334	30,499	30,570	30,657						
1942	3,316	3,310	3,310	3,311	3,312	3,307	3,268	3,243	3,231	3,222	3,211	3,196	1976	30,881	30,987	31,127	31,462	31,535	31,646	31,777	31,856	31,743	31,785	31,961	32,105						
1943	3,173	3,215	3,218	3,218	3,215	3,184	3,147	3,139	3,146	3,148	3,140	3,147	1977	32,283	32,444	32,641	32,821	32,988	33,182	33,283	33,395	33,558	33,658	33,842	34,013						
1944	3,127	3,115	3,104	3,101	3,104	3,098	3,112	3,117	3,112	3,108	3,134	3,158	1978	34,167	34,313	34,531	34,755	34,921	35,077												
1945	3,133	3,121	3,110	3,098	3,096	3,113	3,127	3,147	3,158	3,163	3,177	3,201	1964	15,658	15,757	15,784	15,804	15,841	15,912	15,961	16,015	16,088	16,098	16,165	16,224						
1946	3,224	3,259	3,279	3,295	3,303	3,318	3,334	3,363	3,395	3,419	3,444	3,453	1965	16,289	16,344	16,397	16,471	16,551	16,625	16,740	16,791	16,884	16,975	17,059	17,145						
1947	3,475	3,501	3,518	3,538	3,555	3,586	3,618	3,617	3,625	3,640	3,646	3,671	1966	17,242	17,363	17,472	17,580	17,679	17,810	17,862	17,954	18,015	18,112	18,188	18,243						
1948	3,728	3,729	3,744	3,769	3,787	3,799	3,811	3,806	3,797	3,803	3,828	3,851	1967	18,322	18,348	18,390	18,409	18,428	18,471	18,540	18,598	18,709	18,750	18,869	18,976						
1949	3,870	3,886	3,916	3,956	3,941	3,934	3,928	3,959	3,993	3,998	4,002	4,003	1968	18,939	19,032	19,089	19,186	19,252	19,360	19,435	19,542	19,609	19,723	19,845	19,938						
1950	4,018	4,021	4,044	4,081	4,111	4,138	4,142	4,152	4,126	4,124	4,124	4,129	1969	19,996	20,094	20,174	20,274	20,372	20,454	20,546	20,600	20,652	20,700	20,793	20,863	20,755					
1951	4,144	4,112	4,105	4,109	4,014	4,064	4,065	4,009	4,067	4,090	4,144	4,119	1970	20,795	20,856	20,879	20,859	20,802	20,737	20,751	20,705	20,750	20,691	20,670	20,755						
1952	4,100	4,149	4,158	4,150	4,158	4,163	4,178	4,132	4,179	4,281	4,294	4,315	1971	20,779	20,764	20,814	20,868	20,931	20,911	20,942	20,986	21,073	21,085	21,157	21,250						
1953	4,295	4,299	4,306	4,309	4,271	4,308	4,309	4,338	4,369	4,415	4,422	4,430	1972	21,374	21,427	21,516	21,587	21,632	21,765	21,736	21,861	21,908	22,037	22,211	22,301						
1954	4,447	4,474	4,485	4,500	4,540	4,575	4,592	4,609	4,618	4,608	4,663	4,658	1973	22,430	22,563	22,642	22,765	22,848	22,934	22,908	23,069	23,186	23,356	23,491	23,532						
1955	4,668	4,646	4,651	4,677	4,717	4,742	4,744	4,704	4,763	4,799	4,774	4,835	1974	23,605	23,643	23,711	23,776	23,898	23,927	23,985	23,996	24,035	24,065	23,934	23,697						
1956	4,861	4,915	4,949	4,978	5,071	5,079	5,084	5,122	5,151	5,167	5,212	5,236	1975	23,550	23,457	23,396	23,422	23,496	23,525	23,680	23,836	23,931	24,048	24,108	24,221						
1957	5,272	5,301	5,330	5,365	5,379	5,391	5,424	5,432	5,437	5,468	5,486	5,506	1976	24,424	24,555	24,686	24,820	24,907	25,001	25,091	25,173	25,220	25,215	25,318	25,402						
1958	5,540	5,550	5,571	5,592	5,612	5,641	5,673	5,709	5,708	5,728	5,742	5,777	1977	25,575	25,710	25,882	26,004	26,120	26,260	26,327	26,415	26,580	26,668	26,827	26,988						
1959	5,769	5,779	5,794	5,814	5,823	5,818	5,843	5,848	5,905	5,922	5,930	5,961	1978	27,118	27,247	27,442	27,577	27,692	27,831												
1960	5,973	5,996	6,000	6,022	6,042	6,085	6,101	6,124	6,141	6,148	6,178	6,196																			
1961	6,206	6,227	6,246	6,259	6,283	6,301	6,334	6,359	6,383	6,386	6,398	6,406	1964	4,662	4,681	4,681	4,689	4,698	4,709	4,729	4,734	4,764	4,781	4,795							
1962	6,418	6,435	6,456	6,470	6,502	6,533	6,559	6,598	6,616	6,644	6,668	6,687	1965	4,828	4,841	4,866	4,876	4,900	4,924	4,960	4,976	5,010	5,035	5,099	5,139						
1963	6,724	6,745	6,759	6,780	6,809	6,827	6,866	6,901	6,941	6,995	7,016	7,051	1966	5,157	5,234	5,282	5,334	5,378	5,418	5,427	5,465	5,484	5,526	5,560	5,576						
1964	7,088	7,109	7,137	7,175	7,196	7,222	7,234	7,279	7,328	7,375	7,405	7,433	1967	5,588	5,570	5,541	5,523	5,508	5,485	5,512	5,524	5,553	5,573	5,586	5,607						
1965	7,461	7,499	7,537	7,580	7,620	7,660	7,719	7,768	7,819	7,847	7,902	7,950	1968	5,591	5,606	5,612	5,639	5,668	5,692	5,698	5,718	5,727	5,749	5,773	5,796						
1966	7,969	8,022	8,086	8,133	8,164	8,227	8,268	8,276	8,299	8,342	8,410	8,457	1969	5,812	5,833	5,855	5,872	5,890	5,894	5,916	5,913	5,899	5,861	5,874							
1967	8,490	8,522	8,560	8,597	8,631	8,680	8,687	8,717	8,762	8,765	8,817	8,855	1970	5,866	5,864	5,831	5,782	5,714	5,686	5,682	5,634	5,607	5,506	5,480	5,480						
1968	8,917	8,956	8,986	9,019	9,048	9,080	9,112	9,160	9,196	9,234	9,231	9,287																			
1969	9,298	9,321	9,337	9,358	9,404	9,432	9,435	9,465	9,479	9,539	9,570	9,610	1971	5,468	5,444	5,442	5,441	5,466	5,452	5,440	5,457	5,479	5,477	5,503	5,523						
1970	9,636	9,669	9,676	9,704	9,747	9,793	9,861	9,888	9,914	9,971	10,000	10,015	1972	5,565	5,599	5,625	5,660</td														

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### **SEASONALLY ADJUSTED**

See footnotes at end of tables

**SEASONALLY ADJUSTED**

See footnotes at end of tables.

**SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>WOMEN EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY DIVISION AND SELECTED GROUPS, SEASONALLY ADJUSTED IN THOUSANDS</b>														<b>WOMEN EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY DIVISION AND SELECTED GROUPS, SEASONALLY ADJUSTED IN THOUSANDS</b>													
SIC 35—MACHINERY, EXCEPT ELECTRICAL														SIC 37—TRANSPORTATION EQUIPMENT													
1965	210	211	214	216	217	220	223	225	228	231	234	238	1971	197	195	192	190	189	188	185	186	183	183	182	183	184	
1966	239	242	246	249	253	256	258	261	264	269	271	275	1972	185	188	190	192	192	193	187	197	186	183	182	183	184	
1967	275	277	278	278	279	277	280	281	282	280	281	282	1973	216	221	224	225	226	226	228	226	227	232	234	237	233	
1968	282	283	284	285	285	285	285	287	287	291	293	293	1974	226	222	219	222	225	229	232	234	237	239	237	237	224	
1969	295	297	299	301	303	305	306	306	308	309	310	312	1975	218	214	211	208	213	213	212	213	213	213	213	213	216	
1970	312	311	313	309	305	302	299	294	291	284	275	275	1976	221	224	229	233	233	234	226	237	236	237	237	243	242	
1971	272	271	270	268	268	266	268	268	269	270	270	271	1977	246	250	252	255	254	258	259	259	257	262	262	264	269	
1972	273	276	277	279	281	284	286	289	291	297	299	305	1978	274	276	281	280	284	285								
1973	311	316	321	326	330	335	338	342	342	349	354	359															
1974	360	362	365	368	371	374	376	378	379	381	377	370															
1975	361	356	350	346	337	332	327	330	332	334	334	333	1959	131	134	135	136	137	138	139	139	143	143	144	144	145	
1976	336	338	342	342	346	350	352	354	357	358	360	362	1960	145	146	145	145	143	142	141	140	140	140	138	138	137	
1977	367	371	373	377	380	381	386	390	390	397	402	407															
1978	412	414	419	426	429	433							1961	136	136	136	135	137	137	139	139	141	142	143	143	144	
SIC 36—ELECTRIC AND ELECTRONIC EQUIPMENT														1962	143	145	147	147	148	148	148	148	147	147	147	147	147
1959	466	474	474	482	488	496	503	510	525	526	519	529	1964	145	145	145	145	145	146	146	146	146	146	146	146	145	
1960	533	538	532	524	521	517	516	517	520	501	509	498	1965	149	150	150	151	152	154	156	157	160	161	163	164	164	
1961	503	504	504	508	514	514	516	523	527	533	539	547	1967	188	187	187	188	187	188	188	188	188	187	190	191	191	
1962	553	561	566	570	575	578	580	572	572	571	570	570	1968	191	190	190	190	190	191	194	194	196	196	198	199	199	
1963	567	565	563	563	562	562	562	559	560	560	552	554	1969	200	202	204	205	205	205	205	206	206	206	204	205	205	
1964	553	549	550	550	549	551	560	558	565	568	574	577	1970	203	204	204	203	201	197	195	192	190	186	184	182	182	
1965	581	588	595	601	609	617	624	629	637	643	653	667															
1966	681	700	715	730	742	751	759	769	776	781	785	789	1971	182	179	178	178	179	180	182	181	184	186	186	186	186	
1967	793	788	775	754	743	718	737	749	745	754	756	758	1972	187	190	191	194	196	199	201	203	205	209	210	210	210	
1968	757	755	755	749	754	753	753	753	751	753	758	764	1973	213	215	218	219	222	225	228	231	232	234	236	239	239	
1969	773	778	780	787	792	793	796	797	798	806	767	765	1974	241	243	244	245	245	246	246	247	247	243	238	234	234	
1970	763	777	767	756	741	731	732	720	712	694	676	672	1975	229	224	217	217	214	213	214	216	218	220	222	224	224	
1971	668	659	660	659	664	662	662	667	671	675	679	684	1977	245	249	250	252	255	255	257	255	257	257	257	257	261	
1972	689	697	701	704	710	716	718	721	724	742	753	765	1978	264	266	268	271	273	277								
1973	774	785	794	800	808	816	826	826	824	841	848	852															
1974	848	846	840	838	834	831	831	798	801	787	758	725															
1975	701	670	660	647	640	639	641	651	657	664	668	673	1959	155	154	154	153	154	154	155	156	155	155	155	155	158	
1976	682	691	702	711	717	718	718	723	723	727	728	729	1960	159	159	160	159	158	158	156	156	155	155	153	148	149	
1977	736	743	755	761	768	770	777	775	774	782	789	795															
1978	800	807	813	813	815	818							1961	149	149	148	149	150	152	152	152	151	154	157	161	161	
SIC 37—TRANSPORTATION EQUIPMENT														1962	157	158	158	160	160	161	162	160	159	158	158	158	158
1959	206	208	210	212	211	210	211	211	207	206	192	204	1964	161	161	163	162	164	166	166	166	166	169	170	173	173	
1960	208	208	205	200	199	195	195	191	198	199	197	194	1965	174	176	178	178	176	175	177	181	182	185	188	196	196	
1961	191	188	188	189	191	191	191	195	187	188	194	196	1967	190	190	187	189	190	188	188	187	188	186	187	186	186	
1962	195	196	196	197	199	200	202	202	205	205	205	205	1968	188	189	189	188	191	192	196	194	194	195	197	200	203	
1963	205	204	202	202	201	200	201	198	199	199	199	199	1969	197	196	197	198	197	197	197	197	197	199	197	203	203	
1964	197	197	196	195	193	191	190	188	189	170	186	186	1970	197	195	193	191	189	188	188	187	184	182	179	181	181	
1965	188	187	189	191	191	191	192	195	195	197	199	202															
1966	206	211	215	218	222	225	230	232	236	240	242	242	1971	178	177	178	179	180	182	181	183	181	182	182	185	185	
1967	241	243	244	243	245	247	246	248	250	250	249	249	1972	189	193	192	192	193	191	191	192	193	195	199	199	204	
1968	249	249	247	250	249	249	252	247	247	248	247	247	1973	200	205	206	207	205	203	204	204	205	207	208	209	209	
1969	247	247	248	245	246	241	244	245	240	238	234	233	1974	212	210	210	211	211	209	208	208	205	205	201	189	189	
1970	229	234	224	220	215	212	206	204	203	184	182	195	1976	195	197	198	198	200	198	199	201	199	199	198	198	200	

See footnotes at end of tables.

### **SEASONALLY ADJUSTED**

See footnotes at end of tables.

## SEASONALLY ADJUSTED

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
<b>WOMEN EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY DIVISION AND SELECTED GROUPS, SEASONALLY ADJUSTED IN THOUSANDS</b>																													
1965		1,061	1,058	1,065	1,066	1,067	1,074	1,075	1,075	1,082	1,084	1,090	1,098	1971		357	357	357	355	356	356	356	356	357	359	359	359	360	
1966		1,083	1,106	1,109	1,114	1,124	1,127	1,120	1,122	1,121	1,127	1,131	1,132	1972		365	365	366	368	368	370	369	371	373	373	375	375	375	
1967		1,133	1,128	1,114	1,117	1,117	1,111	1,112	1,114	1,112	1,112	1,112	1,112	1973		378	377	380	380	380	382	383	389	384	386	390	391	391	
1968		1,102	1,116	1,118	1,119	1,124	1,129	1,126	1,125	1,129	1,132	1,130	1,131	1974		391	393	390	395	395	395	395	395	394	393	391	392	392	
1969		1,133	1,131	1,135	1,137	1,139	1,142	1,140	1,136	1,131	1,131	1,126	1,129	1975		392	391	388	387	386	385	386	387	387	390	391	393	393	
1970		1,130	1,124	1,118	1,110	1,099	1,102	1,111	1,095	1,093	1,082	1,084	1,087	1976		393	394	398	400	401	402	403	406	408	407	408	409	409	
1971		1,087	1,082	1,089	1,089	1,098	1,087	1,074	1,084	1,087	1,091	1,096	1,091	1977		412	413	416	418	421	424	427	427	430	432	434	434	434	
1972		1,095	1,101	1,101	1,111	1,108	1,112	1,095	1,124	1,130	1,138	1,149	1,154	1978		438	440	446	447	451	452								
1973		1,155	1,161	1,165	1,168	1,166	1,165	1,134	1,162	1,159	1,162	1,158	1,153																
1974		1,146	1,139	1,126	1,122	1,123	1,114	1,110	1,103	1,095	1,081	1,060	1,018																
1975		990	967	955	969	981	988	1,000	1,015	1,029	1,048	1,058	1,066																
1976		1,076	1,076	1,085	1,087	1,083	1,081	1,072	1,063	1,053	1,048	1,047	1,044																
1977		1,050	1,055	1,059	1,063	1,065	1,068	1,062	1,061	1,063	1,062	1,065	1,067																
1978		1,066	1,065	1,069	1,078	1,076	1,074																						
<b>SIC 23—APPAREL AND OTHER TEXTILE PRODUCTS</b>																													
1959		126	127	127	127	128	127	128	129	129	130	130	130	1959		149	149	149	150	150	151	151	151	153	152	152	152	152	
1960		130	131	131	131	131	131	131	130	130	131	130	128	1960		152	153	153	153	153	153	154	154	153	153	152	151	151	
1961		129	129	129	128	128	129	129	130	129	130	130	131	1961		152	151	152	153	154	152	151	153	153	154	155	155	155	
1962		131	131	131	132	131	132	132	131	131	130	129	130	1962		155	156	157	157	156	158	158	159	159	159	160	160	160	
1963		131	130	131	130	130	130	130	130	130	130	130	130	1963		160	161	160	161	161	161	161	162	162	163	163	164	164	
1964		130	130	131	131	130	130	131	131	131	131	132	131	1964		162	163	164	164	164	165	165	165	166	166	167	167	167	
1965		131	131	131	132	131	133	134	134	134	134	136	136	1965		168	168	169	170	171	171	174	174	174	174	175	176	176	
1966		137	138	138	140	140	141	141	142	142	144	145	144	1966		177	179	181	182	184	186	187	187	189	191	191	192	192	
1967		144	144	145	145	145	146	145	146	146	146	147	147	1967		193	193	193	195	196	197	199	199	200	201	203	204	204	
1968		147	147	147	147	148	148	149	149	150	150	150	150	1968		204	205	206	206	205	208	210	211	212	214	215	215	215	
1969		151	152	152	152	151	151	152	153	152	152	153	153	1969		217	218	219	220	219	220	226	221	219	220	221	221	221	
1970		154	154	153	153	151	150	149	148	148	145	146	145	1970		221	220	220	219	219	217	215	215	214	212	211	211	211	
1971		145	144	142	143	142	141	139	140	141	140	139	140	1971		210	209	208	208	209	208	207	207	205	206	206	206	206	
1972		138	138	139	139	140	141	141	142	142	142	143	144	1972		208	209	208	208	208	210	210	211	212	213	214	216	216	
1973		145	146	146	147	148	146	145	146	146	147	148	147	1973		216	217	219	220	220	220	222	222	223	225	226	228	228	
1974		149	149	149	149	149	148	148	147	147	145	142	140	1974		226	226	228	230	231	231	231	231	230	229	226	226	226	
1975		137	134	131	129	128	128	130	131	133	134	135	137	1975		226	227	228	226	226	226	228	230	232	233	235	238	238	
1976		140	141	142	143	144	146	145	145	145	145	146	146	1976		224	226	227	228	226	226	228	230	232	233	235	238	238	
1977		146	148	149	150	152	153	153	153	152	153	153	154	1977		239	242	243	245	245	245	245	245	245	245	246	247	247	
1978		155	156	157	159	161	160							1978		248	249	252	253	256	256								
<b>SIC 27—PRINTING AND PUBLISHING</b>																													
1959		247	246	247	248	249	248	249	252	253	253	254	256	1959		18	17	18	18	18	18	17	17	17	17	18	18	18	
1960		256	256	256	256	256	257	257	257	258	258	258	257	1960		18	18	18	18	17	17	17	17	17	17	17	17	17	
1961		257	258	258	257	256	258	259	259	259	260	261	262	1961		17	17	17	17	17	17	17	17	17	17	17	17	17	
1962		262	262	263	264	264	264	265	265	267	268	267	265	1962		16	16	16	16	16	16	16	16	16	16	16	16	16	
1963		265	262	263	267	268	268	268	269	269	269	268	272	1963		16	16	16	16	16	16	16	16	16	16	16	16	16	
1964		272	273	273	274	275	276	276	276	278	279	280	279	1964		17	17	17	17	17	17	17	17	17	17	17	17	17	
1965		281	282	282	283	283	285	285	286	287	288	291	292	1965		17	17	17	17	17	17	17	17	17	17	17	17	16	
1966		295	295	298	300	302	305	308	309																				

**SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>WOMEN EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY DIVISION AND SELECTED GROUPS, SEASONALLY ADJUSTED IN THOUSANDS</b>														<b>WOMEN EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY DIVISION AND SELECTED GROUPS, SEASONALLY ADJUSTED IN THOUSANDS</b>													
				</																							

### **SEASONALLY ADJUSTED**

See footnotes at end of tables

**SEASONALLY ADJUSTED**

See footnotes at end of tables.

**SEASONALLY ADJUSTED**

See footnotes at end of tables

### **SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.				
<b>PRODUCTION OR NONSUPERVISING WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED IN THOUSANDS</b>																															
		MANUFACTURING																SIC 24,25,32-39—DURABLE GOODS													
1959		12,373	12,447	12,599	12,701	12,802	12,896	12,909	12,446	12,446	12,348	12,496	12,796	1967		8,524	8,487	8,436	8,373	8,363	8,328	8,297	8,319	8,233	8,212	8,394	8,402				
1960		12,925	12,971	12,907	12,838	12,755	12,657	12,585	12,502	12,410	12,310	12,194	12,021	1968		8,419	8,399	8,390	8,450	8,457	8,457	8,454	8,449	8,442	8,478	8,523	8,565				
1961		11,943	11,847	11,867	11,913	12,024	12,100	12,112	12,177	12,159	12,185	12,319	12,354	1969		8,618	8,646	8,665	8,661	8,655	8,703	8,732	8,712	8,720	8,699	8,519	8,526				
1962		12,361	12,431	12,464	12,557	12,534	12,536	12,514	12,523	12,504	12,515	12,472	12,449	1970		8,448	8,394	8,430	8,336	8,205	8,136	8,092	8,027	8,007	7,520	7,393	7,705				
1963		12,479	12,447	12,492	12,550	12,590	12,559	12,580	12,578	12,585	12,627	12,572	12,603	1971		7,700	7,676	7,625	7,644	7,699	7,667	7,651	7,596	7,667	7,667	7,679	7,695				
1964		12,605	12,639	12,670	12,701	12,720	12,732	12,787	12,846	12,975	12,689	12,975	13,050	1972		7,763	7,827	7,886	7,944	8,001	8,023	8,017	8,059	8,104	8,236	8,326	8,425				
1965		13,112	13,160	13,225	13,278	13,315	13,372	13,483	13,515	13,598	13,624	13,727	13,805	1973		8,501	8,609	8,647	8,670	8,702	8,750	8,751	8,771	8,753	8,828	8,868	8,895				
1966		13,874	14,020	14,097	14,194	14,264	14,346	14,367	14,451	14,410	14,491	14,520	14,528	1974		8,824	8,765	8,735	8,777	8,753	8,772	8,767	8,701	8,671	8,432	8,148					
1967		14,519	14,454	14,381	14,317	14,255	14,228	14,197	14,219	14,184	14,180	14,374	14,394	1975		7,893	7,661	7,575	7,489	7,470	7,434	7,384	7,471	7,546	7,568	7,620					
1968		14,383	14,392	14,395	14,468	14,500	14,533	14,520	14,534	14,534	14,585	14,630	14,682	1976		7,704	7,768	7,838	7,905	7,938	7,937	7,948	7,971	8,012	7,904	8,007	8,029				
1969		14,694	14,759	14,797	14,785	14,777	14,834	14,866	14,850	14,827	14,792	14,629	14,634	1977		8,082	8,102	8,198	8,229	8,280	8,305	8,329	8,320	8,330	8,371	8,429	8,515				
1970		14,566	14,498	14,515	14,391	14,182	14,125	14,094	13,983	13,950	14,049	13,274	13,589	1978		8,569	8,620	8,661	8,676	8,685	8,683	8,683									
1971		13,577	13,546	13,489	13,518	13,590	13,537	13,510	13,460	13,567	13,550	13,586	13,607			SIC 24—LUMBER AND WOOD PRODUCTS															
1972		13,692	13,764	13,844	13,924	13,991	14,036	13,989	14,049	14,107	14,268	14,388	14,505	1947		843	838	835	833	818	804	790	784	784	784	787	782	793			
1973		14,591	14,723	14,776	14,799	14,813	14,867	14,831	14,865	14,831	14,942	15,003	15,031	1948		823	809	800	780	752	757	797	790	782	772	767	750				
1974		14,950	14,865	14,817	14,823	14,800	14,804	14,769	14,695	14,629	14,510	14,225	13,796	1949		737	720	714	704	693	696	690	685	684	694	705	715				
1975		13,391	13,035	12,892	12,828	12,859	12,842	12,824	12,991	13,113	13,200	13,220	13,299	1950		707	716	738	742	756	763	778	798	807	807	810					
1976		13,422	13,501	13,588	13,687	13,667	13,652	13,650	13,747	13,617	13,729	13,749																			
1977		13,830	13,876	14,001	14,074	14,135	14,166	14,165	14,129	14,141	14,177	14,263	14,375	1951		837	825	808	824	815	808	787	779	778	777	767	766				
1978		14,440	14,499	14,567	14,598	14,603	14,596							1952		757	761	749	746	685	735	759	759	758	744	751					
		SIC 24,25,32-39—DURABLE GOODS															756	753	759	756	743	739	727	715	709	704	698	675			
1939		3,636	3,683	3,736	3,772	3,759	3,777	3,753	3,802	4,003	4,197	4,261	4,340	1953		668	675	683	672	675	674	597	593	667	691	697	696				
1940		4,298	4,266	4,260	4,248	4,268	4,291	4,279	4,442	4,648	4,773	4,900	5,022	1954		693	693	690	687	692	704	701	703	706	705	703	702				
1941		5,149	5,289	5,420	5,623	5,801	5,978	6,152	6,239	6,367	6,401	6,438	6,487	1955		717	720	700	707	702	696	689	688	676	663	654	649				
1942		6,607	6,742	6,890	7,061	7,241	7,413	7,647	7,946	8,081	8,262	8,483	8,768	1956		643	635	631	626	624	619	612	608	601	595	591	587				
1943		8,960	9,101	9,257	9,350	9,389	9,489	9,560	9,780	9,811	10,003	9,965	9,957	1960		614	614	604	606	601	596	591	587	578	569	556	542				
1944		9,788	9,658	9,496	9,278	9,170	9,083	8,976	9,069	8,991	9,021	8,882	8,985																		
1945		8,960	8,898	8,877	8,555	8,380	8,076	7,778	7,559	5,856	5,831	5,822	5,790	1961		541	531	533	538	543	548	547	548	549	550	549	546				
1946		5,897	5,029	5,652	6,170	6,257	6,401	6,565	6,800	6,957	7,032	7,075	7,129	1962		545	553	552	556	557	555	559	556	557	554	554	554				
1947		7,117	7,164	7,160	7,155	7,033	7,029	6,902	6,893	6,909	6,936	7,003	7,048	1963		564	558	562	559	565	534	538	553	564	565	567	567				
1948		7,092	6,997	7,026	6,925	6,866	6,836	6,946	6,946	6,909	6,898	6,906	6,804	1964		564	565	564	565	565	563	569	571	569	568	568					
1949		6,687	6,570	6,434	6,293	6,099	6,050	6,015	5,982	6,050	5,617	5,703	5,955	1965		560	565	572	569	569	568	570	571	570	573	578					
1950		6,070	6,045	6,119	6,266	6,556	6,684	6,801	7,022	7,090	7,223	7,268	7,309	1966		587	587	586	586	584	585	580	579	571	567	566					
1951		7,417	7,504	7,541	7,577	7,557	7,551	7,500	7,441	7,421	7,399	7,434	7,448	1967		565	562	561	560	557	561	559	558	560	562	563					
1952		7,487	7,510	7,509	7,540	7,501	7,123	6,933	7,455	7,714	7,817	7,943	8,050	1969		562	567	568	567	565	565	569	572	573	577	580					
1953		8,150	8,237	8,327	8,331	8,322	8,316	8,332	8,234	8,128	8,009	7,800	7,687	1970		591	591	593	587	592	590	583	582	578	571	574					
1954		7,588	7,481	7,379	7,276	7,194	7,138	7,017	6,970	6,966	7,047	7,116	7,145			578	568	565	558	554	549	545	548	547	548						
1955		7,193	7,288	7,384	7,469	7,555	7,624	7,619	7,628	7,603	7,691	7,732	7,778	1971		552	554	557	564	571	575	582	586	596	601	605					
1956		7,793	7,757	7,684	7,756	7,701	7,644	7,230	7,646	7,744	7,729	7,757	7,772	1972		612	613	614	617	616	622	627	630	635	640	648					
1957		7,762	7,766	7,735	7,694	7,652	7,628	7,580	7,601	7,391	7,397	7,258	7,161	1973		658	662	663	659	656	657	652	653	652	650	651					
1958		6,975	6,771	6,617	6,449	6,363	6,390	6,413	6,462	5,559	6,427	6,725	6,782	1974		643	645	646	645	639	627	622	609	594	565	525					
1959		6,868	6,932	7,063	7,159	7,246	7,305	7,311	6,831	6,827	6,770	6,898	7,200	1975		505	496	492	495	508	516	518	526	530	537	536					
1960		7,314	7,361	7,298	7,228	7,151	7,063	7,006	6,949	6,875	6,800	6,709	6,597	1976		556	566	561	566	568	572	578	579	586	589	593					
1961		6,515	6,428	6,434	6,478	6,588	6,629	6,645	6,691	6,686	6,690	6,800	6,830	1978		650	650	647	646	639	641										
1962		6,834	6,899	6,927	6,969	6,968	6,960	6,947	6,957	6,936	6,957	6,934	6,930																		
1963		6,958	6,941	6,967	7,014																										

See footnotes at end of tables.

**SEASONALLY ADJUSTED**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>PRODUCTION OR NONSUPERVISING WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED IN THOUSANDS</b>																									
SIC 25—FURNITURE AND FIXTURES																									
1947 272 278 277 280 282 283 281 282 281 284 290 293 1955 476 483 487 489 495 497 497 497 501 505 505 505 505 507																									
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1973 417 420 422 421 421 424 420 419 416 419 419 421 1974 1,062 1,062 1,074 1,064 1,069 1,070 1,079 1,080 1,083 1,084 1,084 1,087 1,079 1,079 1,079 1,079 1,079 1,079 1,079 1,079 1,079 1,079 1,079 1,079																									
1975 341 327 320 322 328 327 332 341 347 350 353 356 1976 1,068 1,056 1,041 1,013 983 959 937 923 927 555 736 934 934 934 934 934 934 934 934 934 934 934 934																									
1977 367 370 374 376 379 381 384 381 382 387 391 397 1978 1,112 1,117 1,121 1,130 1,137 1,140 1,137 1,137 1,128 1,126 1,126 1,126 1,126 1,126 1,126 1,126 1,126 1,126 1,126 1,126 1,126 1,126 1,126																									
1979 399 401 405 405 402 399 399 401 397 392 390 389 389 1980 1,122 1,120 1,117 1,109 1,108 686 659 1,072 1,108 1,115 1,115 1,117 1,117 1,117 1,117 1,117 1,117 1,117 1,117 1,117 1,117 1,117 1,117																									
1981 287 297 307 307 312 314 315 321 333 334 324 324 1982 985 1,006 1,031 1,051 1,075 1,084 1,079 1,087 1,102 1,103 1,103 1,103 1,103 1,103 1,103 1,103 1,103 1,103 1,103 1,103 1,103 1,103 1,103																									
1983 306 312 319 325 325 327 332 346 349 350 350 350 1984 1,123 1,124 1,116 1,125 1,113 1,104 1,104 753 1,084 1,115 1,122 1,122 1,122 1,122 1,122 1,122 1,122 1,122 1,122 1,122 1,122 1,122																									
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1987 408 408 411 411 408 406 400 401 402 403 403 406 406 1988 1,059 1,058 1,057 1,057 1,057 1,																									

See footnotes at end of tables

## **SEASONALLY ADJUSTED**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED IN THOUSANDS</b>																									
SIC 33—PRIMARY METAL INDUSTRIES																									
1971 956 959 961 964 968 957 929 863 881 882 878 881																									
1972 893 895 914 921 927 926 926 939 954 961 967 974																									
1973 976 987 988 990 1,000 1,008 1,009 1,018 1,026 1,036 1,043 1,045																									
1974 1,038 1,036 1,028 1,028 1,028 1,033 1,033 1,033 1,038 1,037 1,027 996																									
1975 977 944 920 894 876 861 849 857 874 858 861 870																									
1976 874 879 887 900 905 912 923 926 929 909 905 904																									
1977 904 905 922 923 933 933 922 916 921 922 921 922																									
1978 929 937 933 934 939 939																									
SIC 34—FABRICATED METAL PRODUCTS																									
1947 884 889 897 899 890 879 870 860 865 861 865 873																									
1948 876 872 873 865 861 840 864 859 861 860 848																									
1949 823 812 791 771 750 743 745 747 759 720 715 742																									
1950 756 767 783 804 832 860 881 909 927 938 944 946																									
1951 955 960 969 976 970 961 948 939 931 927 925 927																									
1952 934 940 941 947 940 890 863 921 959 979 992 1,011																									
1953 1,030 1,044 1,057 1,059 1,063 1,062 1,053 1,041 1,020 993 964 1961																									
1954 969 957 943 931 928 922 917 917 910 910 919 921 1962																									
1955 922 934 954 967 980 986 982 984 992 996 997 1963																									
1956 993 990 984 990 989 965 919 964 973 995 985 1964																									
1957 997 1,004 1,002 999 992 992 992 994 976 985 972 1965																									
1958 945 918 892 872 858 863 872 884 898 880 913 919 1966																									
1959 926 932 943 958 966 975 977 932 938 906 888 945 1967																									
1960 966 985 975 961 952 949 942 938 934 930 907 894 1968																									
1961 881 870 864 872 894 896 898 914 905 916 925 929 1970																									
1962 929 936 942 949 951 949 952 948 952 945 948 1971																									
1963 947 950 951 958 964 969 973 973 978 980 973 976 1971																									
1964 974 980 986 989 985 989 992 1,003 1,019 975 1,004 1,016 1972																									
1965 1,025 1,037 1,018 1,046 1,053 1,057 1,072 1,065 1,075 1,080 1,096 1,097 1973																									
1966 1,112 1,125 1,133 1,143 1,150 1,153 1,157 1,172 1,177 1,186 1,199 1,206 1974																									
1967 1,206 1,207 1,203 1,201 1,202 1,208 1,205 1,210 1,193 1,198 1,215 1,220 1975																									
1968 1,224 1,222 1,226 1,230 1,234 1,244 1,247 1,246 1,252 1,258 1,272 1,277 1976																									
1969 1,287 1,293 1,295 1,292 1,293 1,291 1,292 1,286 1,280 1,274 1,269 1,267 1977																									
1970 1,254 1,241 1,232 1,221 1,200 1,193 1,188 1,187 1,193 1,127 1,105 1,136 1978																									
SIC 35—MACHINERY, EXCEPT ELECTRICAL																									
1971 1,130 1,125 1,105 1,124 1,132 1,126 1,126 1,128 1,138 1,140 1,138 1,135																									
1972 1,143 1,155 1,165 1,173 1,185 1,191 1,189 1,196 1,202 1,213 1,228 1,241 1939																									
1973 1,255 1,271 1,274 1,277 1,279 1,282 1,283 1,266 1,281 1,291 1,292 1940																									
1974 1,284 1,280 1,274 1,275 1,268 1,271 1,273 1,262 1,250 1,244 1,223 1,183																									
1975 1,130 1,113 1,091 1,089 1,083 1,077 1,049 1,080 1,087 1,095 1,094 1,098																									
1976 1,109 1,119 1,129 1,142 1,141 1,142 1,147 1,153 1,142 1,151 1,156 1942																									
1977 1,164 1,166 1,178 1,178 1,190 1,195 1,196 1,199 1,195 1,210 1,221 1,228 1943																									
1978 1,234 1,247 1,247 1,251 1,257 1,250																									
SIC 35—MACHINERY, EXCEPT ELECTRICAL																									
1945 1,167 1,171 1,155 1,147 1,140 1,135 1,135																									

See footnotes at end of tables.

## SEASONALLY ADJUSTED

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED IN THOUSANDS</b>																											
1952		867	870	873	875	881	887	886	897	927	945	966	991	1961		1,041	1,003	1,010	1,021	1,050	1,059	1,050	1,045	1,043	1,003	1,080	1,077
1953		1,015	1,038	1,052	1,061	1,064	1,062	1,061	1,046	1,031	1,006	978	949	1962		1,073	1,088	1,089	1,094	1,104	1,116	1,120	1,122	1,111	1,127	1,122	1,130
1954		933	915	900	888	872	860	858	856	857	860	867	869	1963		1,146	1,144	1,146	1,159	1,154	1,160	1,156	1,152	1,150	1,164	1,161	1,164
1955		872	882	886	897	907	922	917	920	923	950	931	942	1964		1,166	1,166	1,172	1,177	1,168	1,159	1,164	1,175	1,194	969	1,178	1,196
1956		939	937	934	979	974	971	966	969	958	970	969	967	1965		1,218	1,220	1,234	1,247	1,258	1,266	1,281	1,299	1,310	1,301	1,318	1,324
1957		965	963	958	950	942	952	955	950	947	932	915	900	1966		1,336	1,365	1,379	1,387	1,395	1,397	1,410	1,410	1,402	1,438	1,442	1,438
1958		881	858	845	831	813	815	822	829	843	827	874	885	1967		1,421	1,422	1,410	1,404	1,419	1,421	1,396	1,383	1,361	1,345	1,433	1,451
1959		897	907	915	929	942	957	966	971	982	988	967	990	1968		1,456	1,466	1,466	1,469	1,466	1,470	1,464	1,458	1,453	1,474	1,468	1,470
1960		1,004	1,011	1,007	997	986	983	977	973	965	925	947	929	1969		1,480	1,475	1,478	1,464	1,440	1,465	1,479	1,478	1,482	1,451	1,411	1,404
1961		934	934	935	941	951	953	955	964	956	970	983	993	1970		1,379	1,295	1,357	1,335	1,307	1,292	1,268	1,246	1,231	963	947	1,215
1962		998	1,011	1,019	1,027	1,031	1,037	1,036	1,031	1,025	1,025	1,021	1,018	1971		1,228	1,227	1,206	1,197	1,221	1,215	1,207	1,207	1,196	1,199	1,203	
1963		1,017	1,011	1,009	1,009	1,012	1,012	1,006	1,003	1,002	1,005	995	996	1972		1,212	1,229	1,234	1,245	1,243	1,230	1,209	1,208	1,211	1,257	1,278	1,303
1964		996	992	994	994	994	995	1,008	1,011	1,023	1,024	1,033	1,042	1973		1,321	1,347	1,346	1,347	1,344	1,341	1,340	1,340	1,337	1,333	1,325	
1965		1,047	1,058	1,072	1,083	1,094	1,104	1,115	1,117	1,131	1,147	1,163	1,186	1974		1,275	1,234	1,217	1,265	1,264	1,281	1,288	1,298	1,302	1,311	1,287	1,210
1966		1,201	1,226	1,238	1,268	1,284	1,301	1,299	1,325	1,325	1,336	1,330	1,327	1975		1,164	1,108	1,140	1,125	1,153	1,155	1,155	1,160	1,169	1,165	1,189	
1967		1,330	1,326	1,313	1,287	1,275	1,242	1,260	1,279	1,259	1,277	1,289	1,294	1976		1,213	1,226	1,247	1,250	1,249	1,241	1,226	1,238	1,238	1,289	1,251	1,256
1968		1,293	1,291	1,288	1,285	1,287	1,281	1,278	1,279	1,280	1,281	1,282	1,291	1977		1,273	1,265	1,282	1,284	1,283	1,285	1,290	1,284	1,288	1,281	1,284	1,312
1969		1,300	1,306	1,311	1,319	1,328	1,329	1,352	1,335	1,334	1,348	1,237	1,235	1978		1,326	1,332	1,342	1,337	1,344	1,327						
1970		1,227	1,293	1,293	1,280	1,260	1,250	1,251	1,238	1,222	1,185	1,149	1,159	1971													
1971		1,154	1,149	1,146	1,145	1,151	1,144	1,140	1,149	1,161	1,161	1,165	1,170	1972													
1972		1,175	1,187	1,197	1,203	1,210	1,216	1,217	1,221	1,221	1,228	1,248	1,259	1973													
1973		1,290	1,306	1,319	1,329	1,334	1,352	1,356	1,354	1,374	1,381	1,386	1,386	1974													
1974		1,379	1,369	1,360	1,357	1,350	1,347	1,351	1,301	1,311	1,296	1,246	1,194	1975													
1975		1,157	1,103	1,091	1,071	1,064	1,061	1,060	1,079	1,088	1,101	1,103	1,114	1976													
1976		1,121	1,133	1,151	1,160	1,167	1,163	1,164	1,168	1,171	1,170	1,173	1,176	1977													
1977		1,183	1,196	1,209	1,219	1,226	1,231	1,238	1,235	1,235	1,243	1,252	1,258	1978													
1978		1,267	1,276	1,288	1,284	1,283	1,284							1971													
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**SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED IN THOUSANDS</b>													<b>PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED IN THOUSANDS</b>														
		SIC 38—INSTRUMENTS AND RELATED PRODUCTS														SIC 20-23,26-31—NONDURABLE GOODS											
1977		366	371	373	373	376	376	377	375	377	378	380	384	1951		6,002	6,033	5,981	5,979	5,947	5,943	5,923	5,833	5,780	5,748	5,731	5,764
1978		386	388	391	394	397	402							1952		5,770	5,763	5,760	5,754	5,723	5,729	5,804	5,811	5,853	5,884	5,917	5,923
		SIC 39—MISCELLANEOUS MANUFACTURING INDUSTRIES												1953		5,932	5,935	5,950	5,964	5,977	5,971	5,970	5,922	5,878	5,827	5,781	5,727
1947		382	376	379	376	369	364	361	355	355	356	363	374	1954		5,680	5,666	5,673	5,640	5,614	5,601	5,576	5,581	5,602	5,602	5,617	5,629
1948		371	369	372	368	371	369	368	368	360	356	354	350	1955		5,643	5,658	5,699	5,729	5,743	5,764	5,735	5,759	5,739	5,782	5,814	5,823
1949		345	341	327	320	319	319	307	323	329	334	332	327	1956		5,820	5,826	5,814	5,805	5,799	5,771	5,743	5,730	5,752	5,712	5,734	
1950		319	321	323	328	332	339	336	360	362	367	364	368	1957		5,719	5,698	5,703	5,683	5,658	5,643	5,641	5,615	5,614	5,588	5,566	5,555
1951		371	375	377	373	364	355	346	333	319	312	315	321	1958		5,529	5,474	5,387	5,358	5,357	5,374	5,381	5,403	5,416	5,432	5,457	5,465
1952		327	326	327	326	326	329	327	332	335	338	347	350	1959		5,505	5,515	5,536	5,542	5,556	5,591	5,598	5,615	5,619	5,578	5,598	5,596
1953		355	356	360	363	366	363	364	360	354	350	347	344	1960		5,611	5,610	5,609	5,610	5,604	5,594	5,579	5,553	5,535	5,510	5,485	
1954		340	339	333	329	325	324	324	321	322	321	321	320	1961		5,428	5,419	5,433	5,435	5,436	5,471	5,467	5,486	5,473	5,495	5,519	5,524
1955		324	326	330	330	332	334	333	330	329	328	331	330	1962		5,527	5,532	5,537	5,588	5,566	5,576	5,567	5,566	5,568	5,558	5,538	5,519
1956		341	340	336	335	335	333	327	333	330	330	329	331	1963		5,521	5,506	5,525	5,536	5,544	5,522	5,539	5,535	5,533	5,549	5,509	5,515
1957		321	318	316	318	316	316	308	317	318	314	312	309	1964		5,518	5,537	5,530	5,539	5,557	5,556	5,566	5,580	5,607	5,597	5,619	5,627
1958		305	302	300	297	295	297	295	298	301	301	300	302	1965		5,652	5,659	5,684	5,675	5,684	5,694	5,728	5,725	5,745	5,766	5,806	5,818
1959		307	308	310	311	313	313	314	314	317	316	316	316	1966		5,821	5,866	5,883	5,906	5,922	5,953	5,947	5,966	5,937	5,955	5,979	5,982
1960		316	317	321	320	320	322	317	316	313	309	302	302	1967		5,995	5,967	5,945	5,944	5,892	5,900	5,900	5,951	5,968	5,980	5,994	5,996
1961		300	299	297	299	302	305	303	304	303	307	310	312	1968		5,964	5,993	6,005	6,018	6,043	6,076	6,066	6,085	6,092	6,107	6,110	6,108
1962		311	310	311	315	316	317	318	315	313	313	310	309	1969		6,076	6,113	6,132	6,124	6,122	6,131	6,134	6,138	6,107	6,093	6,110	6,108
1963		310	308	309	308	310	308	312	314	315	311	310	311	1970		6,118	6,104	6,085	6,055	5,977	5,989	6,002	5,956	5,943	5,889	5,881	5,884
1964		312	315	314	313	314	318	318	316	321	322	323	327	1971		5,877	5,870	5,864	5,874	5,891	5,870	5,859	5,864	5,900	5,883	5,907	5,908
1965		327	328	331	332	330	329	332	337	339	343	345	352	1972		5,929	5,937	5,958	5,980	5,990	6,013	5,972	5,990	6,003	6,032	6,062	6,080
1966		339	342	345	348	349	350	346	348	346	346	348	347	1973		6,090	6,114	6,129	6,129	6,111	6,117	6,080	6,094	6,078	6,114	6,135	6,136
1967		345	343	340	341	341	338	337	336	337	335	336	333	1974		6,126	6,100	6,082	6,046	6,047	6,032	6,002	5,994	5,958	5,893	5,793	5,648
1968		355	338	338	335	338	338	343	342	341	343	346	347	1975		5,498	5,374	5,317	5,339	5,389	5,408	5,440	5,520	5,567	5,635	5,652	5,675
1969		344	341	345	346	345	346	347	344	342	345	342	350	1976		5,718	5,733	5,750	5,782	5,729	5,715	5,702	5,682	5,735	5,713	5,722	5,720
1970		343	340	339	334	331	329	326	326	325	320	318	318	1977		5,748	5,774	5,803	5,845	5,855	5,861	5,836	5,809	5,811	5,806	5,834	5,860
1971		316	314	313	315	316	317	318	319	321	320	320	322	1978		5,871	5,879	5,906	5,922	5,918	5,913						
1972		329	335	336	336	336	339	337	340	339	345	351	354														
1973		352	357	358	359	357	355	356	354	354	357	357	360	1939		952	941	963	983	994	997	1,001	1,020	1,032	1,002	989	978
1974		363	360	363	362	362	361	360	357	351	346	338	324	1940		972	977	989	996	996	1,014	1,000	1,010	1,013	1,030	1,024	
1975		315	309	304	302	301	303	310	311	316	317	319	320	1941		1,006	1,001	1,032	1,065	1,086	1,108	1,128	1,154	1,174	1,177	1,184	
1976		324	326	329	329	332	332	328	328	331	328	328	330	1942		1,187	1,191	1,196	1,208	1,226	1,229	1,268	1,259	1,345	1,318	1,333	
1977		334	337	337	337	334	332	331	329	331	335	342	342	1943		1,332	1,327	1,337	1,331	1,336	1,350	1,347	1,343	1,341	1,359	1,377	
1978		342	345	349	349	349	349	349	349	349	349	349	349	1944		1,400	1,408	1,411	1,412	1,410	1,405	1,399	1,336	1,332	1,369	1,396	
		SIC 20-23,26-31—NONDURABLE GOODS												1945		1,413	1,424	1,420	1,417	1,403	1,391	1,359	1,278	1,342	1,356	1,373	1,401
1939		4,281	4,318	4,371	4,353	4,341	4,346	4,392	4,470	4,537	4,592	4,559	4,493	1946		1,441	1,462	1,466	1,457	1,436	1,405	1,409	1,378	1,369	1,343	1,420	1,426
1940		4,468	4,469	4,431	4,368	4,325	4,329	4,363	4,434	4,507	4,569	4,604	4,660	1947		1,388	1,366	1,367	1,369	1,370	1,377	1,402	1,416	1,449	1,410	1,408	1,404
1941		4,686	4,743	4,836	4,934	5,020	5,111	5,199	5,238	5,263	5,256	5,257	5,252	1948		1,390	1,383	1,373	1,370	1,300	1,405	1,412	1,351	1,450	1,399	1,374	1,351
1942		5,255	5,286	5,325	5,363	5,399	5,361	5,402	5,414	5,511	5,481	5,507	5,557	1950		1,336	1,329	1,328	1,327	1,329	1,319	1,337	1,334	1,336	1,336	1,334	1,329
1943		5,601	5,597	5,607	5,605	5,601	5,638	5,649	5,609	5,565	5,570	5,591	5,557	1951		1,362	1,359	1,358	1,346	1,337	1,340	1,336	1,322	1,328	1,337	1,319	1,329
1944		5,577	5,586	5,566	5,551	5,546	5,552	5,564	5,513	5,494	5,519	5,523	5,545	1946		1,323	1,332	1,329	1,331	1,323	1,338	1,342	1,319	1,335	1,336	1,334	1,329
1945		5,558	5,555	5,547	5,541	5,537	5,532	5,449	5,331	5,307	5,368	5,393	5,515	1952		1,336	1,339	1,328	1,327	1,329	1,319	1,337	1,334	1,337	1,327	1,329	1,314
1946		5,615	5,696	5,784	5,871	5,910	5,909	5,913	5,906	5,926	5,910	5,970	5,966	1953		1,308	1,307	1,307	1,304	1,304	1,296	1,291	1,292	1,289	1,287	1,291	1,296
1947		5,969	5,949	5,943	5,924	5,890	5,867	5,918	5,939	6,003	6,017	6,040	6,055	1954		1,288	1,279	1,287	1,301	1,301	1,299	1,290	1,297	1,265	1,292	1,308	1,295
1948		6,057	6,034	6,022	5,978	5,924	6,061	6,035	5,985	6,061	5,975	5,938	5,862	1955		1,289	1,298										

See footnotes at end of tables.

## SEASONALLY ADJUSTED

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED IN THOUSANDS</b>																											
1959		1,226	1,231	1,229	1,230	1,229	1,231	1,217	1,238	1,213	1,196	1,216	1,215	1975		63	63	61	59	60	60	62	63	64	64	65	64
1960		1,222	1,220	1,215	1,225	1,218	1,211	1,213	1,203	1,209	1,212	1,205	1,196	1976		64	63	61	62	63	63	67	65	64	64	64	63
1961		1,196	1,193	1,201	1,194	1,187	1,192	1,188	1,188	1,184	1,190	1,197	1,184	1977		63	62	58	63	62	63	60	57	57	57	57	59
1962		1,178	1,176	1,173	1,188	1,183	1,185	1,185	1,179	1,183	1,174	1,168	1,172	1978		59	59	60	59	60	61						
1963		1,171	1,168	1,173	1,164	1,167	1,164	1,163	1,168	1,169	1,176	1,160	1,161	1939													
1964		1,161	1,164	1,153	1,158	1,159	1,151	1,152	1,155	1,157	1,155	1,162	1,164	1940		1,077	1,087	1,089	1,073	1,076	1,060	1,091	1,111	1,119	1,179	1,189	1,139
1965		1,163	1,159	1,158	1,145	1,153	1,150	1,157	1,152	1,164	1,185	1,170	1,172	1941													
1966		1,173	1,179	1,181	1,180	1,171	1,179	1,185	1,186	1,173	1,173	1,190	1,189	1942		1,171	1,190	1,213	1,236	1,265	1,271	1,294	1,290	1,284	1,281	1,268	1,258
1967		1,191	1,187	1,189	1,189	1,194	1,196	1,190	1,149	1,193	1,192	1,189	1,190	1943		1,258	1,257	1,265	1,281	1,284	1,273	1,278	1,265	1,258	1,256	1,251	1,254
1968		1,181	1,172	1,179	1,190	1,189	1,205	1,193	1,195	1,199	1,199	1,193	1,201	1944		1,256	1,252	1,256	1,252	1,239	1,239	1,237	1,222	1,204	1,200	1,192	1,183
1969		1,199	1,204	1,202	1,202	1,202	1,199	1,199	1,210	1,204	1,188	1,208	1,206	1945		1,166	1,167	1,156	1,146	1,141	1,132	1,133	1,123	1,116	1,105	1,100	1,106
1970		1,212	1,221	1,221	1,210	1,210	1,212	1,203	1,205	1,197	1,196	1,199	1,202	1946		1,105	1,093	1,086	1,076	1,075	1,075	1,077	1,075	1,061	1,059	1,051	1,044
1971		1,201	1,200	1,197	1,200	1,204	1,205	1,211	1,209	1,213	1,188	1,204	1,203	1947		1,109	1,131	1,154	1,177	1,192	1,204	1,214	1,215	1,224	1,221	1,222	1,223
1972		1,206	1,197	1,200	1,200	1,196	1,211	1,196	1,183	1,180	1,181	1,179	1,175	1948		1,234	1,233	1,233	1,232	1,219	1,193	1,201	1,194	1,205	1,220	1,230	1,245
1973		1,175	1,181	1,176	1,170	1,162	1,163	1,157	1,143	1,151	1,168	1,178	1,182	1949		1,252	1,259	1,270	1,280	1,281	1,278	1,262	1,260	1,236	1,236	1,214	1,186
1974		1,184	1,181	1,191	1,176	1,174	1,158	1,146	1,159	1,160	1,156	1,147	1,139	1950		1,156	1,140	1,107	1,077	1,072	1,064	1,062	1,070	1,097	1,125	1,135	1,129
1975		1,119	1,107	1,106	1,109	1,113	1,115	1,114	1,126	1,128	1,135	1,134	1,134	1951		1,127	1,130	1,138	1,146	1,144	1,150	1,164	1,197	1,212	1,216	1,208	1,199
1976		1,141	1,146	1,137	1,144	1,151	1,149	1,154	1,150	1,145	1,139	1,144	1,143	1952		1,209	1,217	1,176	1,185	1,186	1,173	1,164	1,118	1,089	1,082	1,077	1,081
1977		1,151	1,158	1,165	1,172	1,162	1,167	1,157	1,149	1,150	1,131	1,142	1,151	1953		1,089	1,089	1,094	1,093	1,095	1,089	1,087	1,064	1,051	1,027	1,004	986
1978		1,156	1,158	1,168	1,167	1,154	1,152							1954		964	961	958	959	953	953	946	950	948	947	949	950
	<b>SIC 21—TOBACCO MANUFACTURES</b>																										
1947		119	117	117	111	102	109	111	106	107	107	112	106	1955		955	961	964	969	956	956	956	963	959	962	968	972
1948		107	110	111	110	110	109	107	105	102	103	105	103	1956		976	972	965	962	957	946	926	930	925	928	926	922
1949		104	105	104	105	104	103	102	99	93	96	97	97	1957		920	915	911	905	901	895	893	887	879	868	864	
1950		101	95	95	95	97	94	94	93	96	95	92	93	1958		848	840	828	823	816	821	824	831	834	838	844	
1951		94	95	96	96	93	94	93	97	99	98	97	98	1959		847	849	854	858	860	864	865	864	864	861	853	852
1952		98	96	96	95	96	96	96	98	97	98	100	101	1960		854	852	853	851	847	845	840	833	823	814	808	801
1953		98	97	96	96	97	96	97	96	94	92	94	98	1961		797	795	793	798	802	806	807	807	809	812	815	818
1954		96	94	95	95	95	95	97	93	93	96	97	96	1962		819	817	816	816	816	816	812	811	809	807	805	803
1955		92	94	94	94	94	95	93	97	96	97	94	92	1963		800	797	798	796	794	792	794	791	790	791	789	
1956		92	91	90	91	91	90	89	89	89	89	91	90	1964		791	794	796	796	797	796	796	799	803	803	805	806
1957		90	89	88	87	86	86	85	84	83	81	82	84	1965		810	814	816	822	822	822	829	830	833	836	841	844
1958		88	85	86	84	84	84	85	81	84	83	84	84	1966		849	852	855	858	861	863	863	866	862	861	859	
1959		83	83	84	84	84	85	83	86	86	83	82	83	1967		858	849	848	845	843	845	843	848	852	857	856	
1960		84	85	84	85	85	84	86	77	85	84	82	81	1968		861	872	872	874	879	883	886	889	888	889	880	
1961		81	81	81	80	79	80	78	79	85	78	76	77	1970		887	888	887	886	883	886	889	881	881	881	879	
1962		79	78	78	77	77	77	78	81	84	80	77	77	1971		880	873	869	867	861	851	852	849	849	841	836	836
1963		77	76	76	77	76	74	74	79	77	76	79	78	1972		836	833	831	833	837	834	839	836	839	840	844	847
1964		76	77	78	77	78	78	78	79	82	81	78	78	1973		851	854	862	863	865	867	866	866	867	873	880	886
1965		78	77	76	76	76	76	76	74	74	74	70	73	1974		885	891	893	892	889	888	885	882	880	881	885	883
1966		74	73	73	73	72	73	72	70	69	69	71	74	1975		880	873	869	864	862	859	851	846	837	813	791	
1967		77	73	72	73	73	73	75	71	70	73	78	78	1976		722	706	701	718	739	745	751	769	783	796	799	
1968		70	72	73	67	72	72	74	74	73	72	71	71	1977		803	807	806	810	811	806	802	800	798	790	787	
1969		71	70	69	68	68	68	68	73	72	70	69	67	1978		785	788	793	797	800	800	801	793	794	795	798	
1970		69	69	68	68	69	69	69	72	70	69	69	68	1979		799	798	798	794	795	792						
1971		67</																									

**SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
<b>PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED IN THOUSANDS</b>														<b>PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED IN THOUSANDS</b>														
SIC 23—APPAREL AND OTHER TEXTILE PRODUCTS														SIC 26—PAPER AND ALLIED PRODUCTS														
1939 772 802 822 805 799 808 782 831 840 854 830 821 1947 409 410 411 410 408 405 402 404 404 406 405 406 408														1940 818 832 840 796 785 777 762 811 837 844 851 864 1948 406 406 406 405 405 406 410 411 413 413 411 413 411 408														
1941 867 886 906 915 936 956 957 969 971 969 959 958 1950 393 396 400 405 408 414 417 423 429 431 431 436 436														1942 947 973 985 992 1,009 981 979 992 983 996 996 1,007 1951 438 440 440 445 446 446 442 442 434 428 425 422 420 427 429 434														
1942 947 973 985 992 1,009 981 979 992 983 996 996 1,007 1952 421 422 419 416 418 419 417 422 420 427 429 434 436														1943 999 985 984 980 990 1,027 1,014 989 979 989 999 1,003 1953 435 438 441 442 443 444 447 447 448 446 444 440 440														
1943 999 985 984 980 990 1,027 1,014 989 979 989 999 1,003 1954 435 438 441 442 443 444 447 447 448 446 444 440 440														1944 992 979 977 982 990 1,003 965 943 944 956 968 979 1955 442 443 441 442 443 444 447 447 448 446 444 440 440														
1944 992 979 977 982 990 1,003 965 943 944 956 968 979 1956 442 443 441 442 443 444 447 447 448 446 444 440 440														1945 991 1,006 1,020 1,045 1,063 1,091 1,073 1,060 1,069 1,060 1,049 1,047 1957 441 443 445 448 451 453 457 459 459 461 463 466 466														
1945 991 1,006 1,020 1,045 1,063 1,091 1,073 1,060 1,069 1,060 1,049 1,047 1958 462 462 463 466 468 466 467 467 468 464 462 462 462														1946 1,024 1,020 1,028 1,037 1,040 1,065 1,059 1,014 989 996 1,003 1959 467 466 467 468 470 473 475 474 478 476 477 477 477														
1946 1,024 1,020 1,028 1,037 1,040 1,065 1,059 1,014 989 996 1,003 1960 463 465 466 468 470 481 480 481 480 479 477 477 477														1947 1,065 1,118 1,109 1,103 1,088 1,086 1,085 1,069 1,056 1,041 1,049 1,069 1961 479 482 482 483 483 481 480 481 480 479 477 477 472														
1947 1,065 1,118 1,109 1,103 1,088 1,086 1,085 1,069 1,056 1,041 1,049 1,069 1962 474 474 475 475 476 478 479 479 478 478 477 477 472														1948 1,071 1,065 1,069 1,067 1,068 1,074 1,093 1,091 1,091 1,084 1,078 1,078 1963 482 483 485 488 487 487 487 487 487 487 486 486 486														
1948 1,071 1,065 1,069 1,067 1,068 1,074 1,093 1,091 1,091 1,084 1,078 1,078 1964 482 483 485 488 487 486 486 486 486 486 485 485 485														1949 1,122 1,119 1,126 1,130 1,138 1,144 1,133 1,118 1,092 1,097 1,087 1,078 1965 487 486 488 487 486 485 488 488 488 488 486 486 486														
1949 1,122 1,119 1,126 1,130 1,138 1,144 1,133 1,118 1,092 1,097 1,087 1,078 1966 487 486 488 487 486 485 488 488 488 488 486 486 486														1950 1,063 1,078 1,060 1,040 1,035 1,039 1,047 1,048 1,048 1,048 1,053 1,053 1967 492 493 494 494 494 495 499 497 497 501 502 504 504														
1950 1,063 1,078 1,060 1,040 1,035 1,039 1,047 1,048 1,048 1,048 1,053 1,053 1968 510 512 513 515 516 520 522 522 522 522 522 522 522														1969 1,070 1,075 1,069 1,082 1,091 1,088 1,099 1,101 1,107 1,099 1,109 1,108 1970 525 525 526 524 522 528 528 529 529 531 533 535 535														
1969 1,070 1,075 1,069 1,082 1,091 1,088 1,099 1,101 1,107 1,099 1,109 1,108 1971 529 529 526 524 522 528 528 529 529 531 533 535 535														1972 1,063 1,072 1,071 1,066 1,077 1,078 1,092 1,078 1,090 1,098 1,105 1973 534 533 533 533 533 533 533 533 533 533 533 533 533														
1972 1,063 1,072 1,071 1,066 1,077 1,078 1,092 1,078 1,090 1,098 1,105 1974 534 533 533 533 533 533 533 533 533 533 533 533 533														1975 1,140 1,188 1,197 1,199 1,206 1,207 1,206 1,206 1,214 1,217 1,219 1,227 1976 537 539 542 541 544 542 543 543 543 543 543 543 543														
1975 1,140 1,188 1,197 1,199 1,206 1,207 1,206 1,206 1,214 1,217 1,219 1,227 1977 537 539 542 541 544 542 543 543 543 543 543 543 543														1978 1,235 1,238 1,244 1,252 1,257 1,247 1,246 1,251 1,247 1,255 1,255 1,256 1979 554 553 555 554 553 553 553 553 553 553 553 553 553														
1978 1,235 1,238 1,244 1,252 1,257 1,247 1,246 1,246 1,247 1,246 1,247 1,247 1980 500 484 473 468 467 471 476 480 486 490 494 494 494														1981 1,222 1,237 1,237 1,238 1,240 1,247 1,243 1,241 1,245 1,241 1,241 1,241 1982 501 502 505 508 512 514 511 509 510 510 510 510 510														
1981 1,222 1,237 1,237 1,238 1,240 1,247 1,243 1,241 1,245 1,241 1,241 1,241 1983 512 513 514 518 523 523 522 522 522 522 522 522 522														1984 1,229 1,223 1,214 1,206 1,199 1,198 1,188 1,184 1,171 1,177 1,178 1,178 1985 523 525 527 530 535 535 535 535 535 535 535 535 535														
1984 1,229 1,223 1,214 1,206 1,199 1,198 1,188 1,184 1,171 1,177 1,178 1,178 1986 536 537 538 539 540 540 541 541 542 542 542 542 542														1987 1,173 1,179 1,179 1,185 1,185 1,175 1,166 1,173 1,177 1,182 1,182 1,182 1988 542 543 544 545 546 546 547 547 548 548 547 547 547														
1987 1,173 1,179 1,179 1,185 1,185 1,175 1,166 1,173 1,177 1,182 1,182 1,182 1989 542 543 544 545 546 546 547 547 548 548 547 547 547														1990 1,189 1,189 1,189 1,200 1,200 1,183 1,214 1,222 1,228 1,241 1,246 1,246 1991 549 549 549 549 549 549 549 549 549 549 549 549 549														
1990 1,189 1,189 1,189 1,200 1,200 1,183 1,214 1,222 1,228 1,241 1,246 1,246 1992 549 549 549 549 549 549 549 549 549 549 549 549 549														1993 1,251 1,258 1,262 1,267 1,266 1,255 1,250 1,246 1,248 1,244 1,235 1,235 1994 550 550 550 550 550 550 550 550 550 550 550 550 550														
1994 1,251 1,258 1,262 1,267 1,266 1,255 1,250 1,246 1,248 1,244 1,235 1,235 1995 550 550 550 550 550 550 550 550 550 550 550 550 550														1996 1,228 1,218 1,202 1,196 1,197 1,187 1,182 1,172 1,165 1,150 1,127 1,077 1997 555 555 555 555 555 555 555 555 555 555 555 555 555														
1996 1,228 1,218 1,202 1,196 1,197 1,187 1,182 1,172 1,165 1,150 1,127 1,077 1998 555 555 555 555 555 555 555 555 555 555 555 555 555														1999 1,131 1,134 1,144 1,140 1,137 1,133 1,125 1,124 1,124 1,124 1,124 1,124 1999 555 555 555 555 555 555 555 555 555 555 555 555 555														
1999 1,131 1,134 1,144 1,140 1,137 1,133 1,125 1,124 1,124 1,124 1,124 1,124 1999 555 555 555 555 555 555 555 555 555 555 555 555 555														2000 1,130 1,131 1,131 1,131 1,131 1,131 1,131 1,131 1,131 1,131 1,131 1,131 1,131 2000 555 555 555 555 555 555 555 555 555 555 555 555 555 555														
2000 1,130 1,131 1,131 1,																												

See footnotes at end of tables

### **SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
<b>PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED IN THOUSANDS</b>														<b>PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED IN THOUSANDS</b>														
1955		528	529	532	534	536	541	541	540	543	545	550	549	1962		515	517	517	520	520	519	521	520	521	521	522	522	520
1956		550	554	556	559	559	560	559	563	560	564	565	567	1963		522	522	523	527	526	526	525	525	527	527	529	526	526
1957		566	565	563	565	563	563	563	561	563	564	564	563	1964		526	526	528	526	529	530	529	530	533	533	533	533	535
1958		567	565	564	562	561	560	560	564	564	565	563	565	1965		537	539	543	542	543	544	550	550	550	550	549	552	554
1959		568	568	570	572	574	574	576	577	581	580	580	583	1966		556	559	562	564	570	579	579	583	582	584	587	587	587
1960		583	585	586	586	588	590	591	591	590	593	594	590	1967		589	589	586	592	590	588	590	593	593	599	599	599	602
1961		592	591	591	590	589	591	594	592	592	593	595	594	1968		603	604	605	604	606	607	609	613	614	615	620	621	621
1962		594	594	594	595	595	595	594	596	597	599	599	582	1970		621	625	626	625	624	625	625	624	618	617	617	617	617
1963		584	579	581	591	593	593	592	593	594	595	593	597	1971		616	615	614	611	606	598	604	602	601	597	592	590	590
1964		597	596	597	599	601	601	601	602	606	606	608	610	1972		590	590	588	590	593	588	586	583	586	586	587	587	587
1965		612	613	616	616	616	617	622	623	624	627	631	631	1973		589	589	588	590	594	593	591	591	594	596	599	601	601
1966		636	638	638	642	643	647	650	651	652	653	653	656	1974		601	601	604	605	606	609	615	612	613	618	620	622	622
1967		659	660	662	662	664	664	663	663	662	660	661	661	1975		623	621	623	618	620	626	628	630	632	630	621	604	604
1968		660	661	662	663	667	667	668	670	667	671	673	675	1977		592	584	575	571	573	572	571	576	580	585	588	587	587
1969		676	678	678	678	675	680	682	684	685	689	689	688	1978		592	597	600	602	597	600	603	601	602	604	604	604	604
1970		689	689	688	687	681	678	679	675	676	671	669	668	1979		607	611	613	618	619	619	618	614	615	614	614	617	617
1971		664	663	660	658	659	658	656	653	655	658	657	657	1980		618	620	620	624	628	628							
1972		661	661	664	666	666	667	665	665	667	670	670	669	1981														
1973		673	674	676	675	674	674	674	673	668	670	672	673	1982		96	96	96	97	99	98	99	100	102	105	104	102	102
1974		670	671	664	664	666	664	664	662	656	653	647	645	1983		102	102	102	103	103	104	105	106	108	108	107	107	107
1975		642	634	629	624	621	619	617	621	621	620	620	622	1984														
1976		621	617	621	623	625	624	625	624	628	629	630	630	1985		108	108	110	109	112	113	115	116	116	116	118	120	120
1977		631	634	639	642	646	646	646	646	647	650	651	653	1986		121	121	123	124	124	124	124	125	125	125	126	127	127
1978		656	658	663	664	668	668							1987		128	127	126	128	130	128	130	131	132	134	135	135	135
	<b>SIC 28—CHEMICALS AND ALLIED PRODUCTS</b>														<b>SIC 29—PETROLEUM AND COAL PRODUCTS</b>													
1939		247	245	252	251	248	240	244	236	256	265	266	267	1945		148	149	149	149	149	148	148	148	148	148	148	154	154
1940		265	264	266	268	266	265	268	272	277	287	294	300	1946		158	155	160	160	161	161	162	163	163	163	163	164	164
1941		305	310	316	329	338	348	358	365	373	378	382	383	1947		164	166	166	166	167	169	172	173	173	173	173	174	174
1942		391	400	414	420	431	438	446	447	461	457	457	460	1948		176	175	177	176	178	179	178	177	176	176	175	175	173
1943		469	472	473	475	478	485	487	483	481	484	486	488	1949		171	171	171	171	171	169	169	168	168	168	168	168	168
1944		496	507	500	502	505	512	520	518	521	528	541	541	1950		172	173	173	174	174	174	173	171	171	171	171	171	171
1945		542	547	547	549	551	557	547	549	547	549	549	549	1951		170	170	170	173	145	166	166	174	173	173	173	173	173
1946		471	471	475	478	477	482	480	485	489	489	492	493	1953		174	174	174	175	174	174	174	174	173	173	172	170	170
1947		493	492	489	488	490	480	488	485	484	489	488	491	1954		169	169	168	167	169	169	169	167	166	166	164	163	163
1948		491	485	482	477	477	486	488	490	489	487	485	484	1955		162	163	164	164	165	165	165	164	162	161	161	162	162
1949		478	470	466	455	444	440	434	433	440	443	442	441	1956		162	161	163	162	160	161	158	163	161	161	161	161	161
1950		440	444	443	452	455	458	458	466	472	480	479	483	1957		160	160	159	158	157	156	155	155	156	156	155	154	154
1951		486	492	494	499	504	508	510	510	510	507	507	505	1958		153	151	149	148	146	146	147	145	146	145	145	144	144
1952		507	508	506	502	500	502	505	505	505	509	511	514	1960		140	140	140	138	139	139	139	138	137	136	136	134	
1953		516	519	523	527	527	530	529	529	525	522	518	512	1961		134	132	132	131	131	131	131	129	127	127	125	125	125
1954		512	508	506	503	502	499	499	498	500	501	502	504	1962		130	130	129	129	128	127	127	125	125	120	120	121	121
1955		506	506	513	516	521	521	523	518	522	522	524	526	1963		121	121	121	121	121	120	120	119	119	118	118	118	118
1956		525	527	530	530	528	528	523	525	523	523	525	525	1964		117	117	116	115	115	114	114	113	113	112	112	112	112
1957		528	527	524	521	521	520	519	516	517	516	515	513	1965		112	112	113	112	111	112	113	114	114	114	114	114	114
1958		510	504	497	494	489	485	484	488	494	493	493	493	1966		114	114	114	114	115	115	115	116	115	114	114	114	114
1959		495	497	501	504	506	506	507	509	512	510	511	510	1967		114	114	113	114	114	114	114	114	114	116	116	117	117
1960		511	512	512	515	514	514	513	511	507	505	504	502	1968		117	118	118	117	118	118	118	118	118	117	117	117	117
1961		500	499	500	500	503	505	505	507	506	509	511	514	1969		73	101	115	118	118	118	118	118	118	117	117	117	117
														1970		118	118	119	119	118	118	118	118	117	117	117	117	117

See footnotes at end of tables

**SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED IN THOUSANDS</b>														<b>PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED IN THOUSANDS</b>													
SIC 29—PETROLEUM AND COAL PRODUCTS														SIC 31—LEATHER AND LEATHER PRODUCTS													
1971 121 122 122 123 124 124 125 125 126 126 126 126 126 127														1939 343 354 356 348 342 340 354 360 357 353 345 343 339													
1972 124 127 126 126 126 125 124 125 125 126 125 125 125 125														1940 346 348 340 332 320 315 332 336 342 345 343 350													
1973 124 123 123 122 122 124 123 125 126 125 125 125 126 126														1941 356 365 369 375 380 387 389 387 388 385 387 388 385 387													
1974 127 126 127 126 128 128 127 125 124 125 127 125 125 125														1942 381 384 389 388 393 383 383 378 371 366 368 377 375 375													
1975 117 116 121 120 122 122 125 126 126 127 127 127 127 127														1943 373 367 362 351 359 353 353 351 347 340 340 340 333 333													
1976 128 129 130 130 128 127 126 127 127 127 128 128 128 128														1944 331 329 327 329 330 329 328 328 326 325 325 327 328 326													
1977 127 125 128 131 131 132 132 132 133 134 134 134 135 135														1945 326 323 321 320 324 328 324 323 313 313 313 313 313 313													
1978 136 136 137 137 135 136														1946 348 356 363 371 379 382 380 376 380 376 378 386 392 392													
SIC 30—RUBBER AND MISC. PLASTICS PRODUCTS														1947 369 368 369 365 362 367 368 369 367 370 361 356 356 356													
1939 120 122 125 128 129 127 124 132 136 146 147 142 142														1948 387 385 379 363 358 367 368 369 367 367 361 356 356 356													
1940 140 139 138 138 138 137 137 140 144 150 151 154 154														1949 354 352 351 350 344 347 348 349 349 356 362 368 365 360													
1941 158 164 167 175 180 186 186 186 184 184 184 180 180														1950 347 348 349 343 348 349 349 356 355 356 355 355 355 355													
1942 168 169 170 169 171 176 181 187 193 200 202 208 208														1951 362 363 360 354 340 346 339 334 334 334 324 321 319 324													
1943 213 219 220 225 228 231 235 236 235 235 237 237 237														1952 329 333 334 337 341 343 344 349 349 345 352 355 358 358													
1944 239 241 243 241 241 240 242 242 240 239 239 237 237														1953 358 354 356 359 357 355 349 344 344 344 338 338 338 338													
1945 244 246 245 244 243 243 238 233 198 219 226 237 237														1954 333 333 333 331 329 329 334 334 334 333 333 333 333 336													
1946 241 241 250 256 261 264 259 259 265 268 272 272 272														1955 337 339 342 343 345 347 347 347 347 347 348 348 348 350													
1947 271 273 271 271 264 259 257 257 256 260 261 261 261														1956 351 350 347 343 343 343 343 343 343 343 336 336 336 336													
1948 262 261 257 253 250 254 253 253 254 252 250 245 245														1957 324 323 318 306 311 314 317 317 317 317 320 325 325 327													
1949 239 235 232 230 227 223 221 221 209 228 226 225 225														1958 329 330 330 333 333 336 336 336 336 336 336 336 336 336													
1950 227 231 233 239 242 250 258 263 268 270 272 271 271														1959 328 324 322 322 321 321 321 321 321 321 323 323 323 323													
1951 272 273 272 273 275 275 276 272 268 262 264 265 265														1960 316 317 315 316 317 319 317 317 317 317 315 315 315 319													
1952 266 267 268 268 268 268 262 268 270 275 279 283 283														1961 316 317 315 316 317 319 317 317 317 317 315 315 315 319													
1953 286 288 293 296 296 298 296 293 289 280 272 269 269														1962 320 320 321 320 320 320 320 318 318 318 317 316 315 315													
1954 266 264 261 256 257 259 256 256 257 260 261 266 266														1963 311 311 310 310 308 307 308 309 309 309 308 307 307 307													
1955 270 275 281 284 289 295 292 290 293 294 298 300 300														1964 307 308 310 306 309 309 308 309 309 309 308 307 307 307													
1956 299 297 294 296 293 287 288 287 289 292 292 290 290														1965 318 320 321 323 323 322 322 313 319 319 318 317 314 315													
1957 297 297 279 293 288 291 291 290 288 287 287 283 283														1966 311 309 305 304 304 301 300 302 302 300 301 301 303 305													

### **SEASONALLY ADJUSTED**

See footnotes at end of tables.

**SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED IN THOUSANDS</b>																											
SERVICES																											
1972	10,814	10,828	10,885	10,939	10,984	11,125	11,069	11,115	11,139	11,193	11,274	11,336	1967	42.7	42.3	42.4	42.5	42.3	42.4	43.0	42.7	42.9	42.5	43.0	42.3		
1973	11,384	11,453	11,494	11,535	11,524	11,561	11,515	11,634	11,724	11,757	11,836	11,860	1968	41.8	42.4	42.4	42.6	42.7	42.9	43.2	43.0	43.1	41.2	42.8	43.1		
1974	11,886	11,943	11,960	11,983	12,069	12,122	12,133	12,186	12,197	12,243	12,240	12,261	1969	43.2	43.1	42.7	43.5	43.4	42.0	42.6	43.2	43.2	42.9	43.3	43.1		
1975	12,268	12,301	12,319	12,349	12,403	12,408	12,510	12,594	12,585	12,629	12,653	12,717	1970	42.7	43.2	42.9	43.1	42.6	42.5	42.6	42.3	42.2	42.6	42.5	42.8		
1976	12,789	12,834	12,906	12,954	12,973	13,041	13,086	13,115	13,144	13,178	13,213	13,266	1971	42.9	42.5	42.7	42.4	42.3	42.2	42.3	42.1	41.9	42.4	42.2	42.7		
1977	13,329	13,370	13,433	13,499	13,529	13,590	13,626	13,690	13,816	13,856	13,917	13,966	1972	43.2	42.6	42.9	42.7	42.3	42.5	42.4	42.7	42.7	42.6	42.6	42.1		
1978	13,923	13,982	14,085	14,160	14,175	14,232							1973	42.0	41.9	41.9	42.1	42.4	42.6	42.5	42.7	42.5	42.3	42.6	43.2		
<b>AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED</b>																											
TOTAL PRIVATE <sup>a</sup> b																											
1964	38.4	38.7	38.7	38.8	38.7	38.7	38.7	38.7	38.4	38.7	38.7	38.9	1947	38.7	38.7	39.6	38.1	38.0	37.7	37.8	37.7	38.1	37.9	38.0	38.2		
1965	38.9	38.8	38.9	38.8	38.8	38.7	38.7	38.6	38.5	38.7	38.7	38.8	1948	38.3	38.0	38.6	38.1	37.5	38.2	38.0	38.2	37.6	38.2	38.5			
1966	38.7	38.9	38.8	38.7	38.6	38.6	38.6	38.6	38.5	38.5	38.4	38.4	1949	38.3	38.4	38.2	37.7	38.1	37.7	37.6	37.0	37.3	38.0	36.5			
1967	38.4	38.1	38.0	37.9	38.0	38.0	37.9	38.0	38.0	37.9	38.0	37.9	1950	36.2	35.4	36.5	37.2	37.2	37.5	37.3	37.7	37.1	37.7	39.2	37.6		
1968	37.7	37.9	37.8	37.6	37.9	37.9	37.9	37.8	37.9	37.8	37.6	37.6	1951	38.0	36.8	37.5	38.0	38.3	37.7	38.3	38.2	38.4	38.5	37.9	38.3		
1969	37.8	37.6	37.7	37.8	37.6	37.7	37.7	37.7	37.6	37.5	37.6	37.6	1952	38.9	39.4	38.5	38.7	38.5	38.9	38.6	38.5	39.2	38.9	38.7	39.1		
1970	37.4	37.4	37.3	37.2	37.2	37.1	37.2	37.1	36.8	36.9	36.9	36.9	1953	38.3	38.6	38.4	38.0	37.8	38.0	37.4	37.8	36.2	37.9	38.4	37.3		
1971	36.9	36.9	36.9	36.9	36.9	36.9	36.7	36.9	36.6	36.9	37.0	37.0	1954	35.4	37.8	38.2	37.7	37.4	37.4	37.3	37.1	35.9	36.7	37.9	37.0		
1972	36.9	37.0	37.0	37.1	36.9	37.0	36.9	36.9	37.0	37.1	37.0	36.8	1955	36.6	36.2	37.7	36.6	37.3	36.9	37.4	36.8	37.5	36.7	36.7	37.5		
1973	36.8	37.0	37.1	37.1	37.0	37.0	37.0	36.9	36.9	36.8	37.0	36.8	1956	37.0	37.3	36.2	37.3	37.2	37.6	37.4	37.3	37.7	37.7	37.7	37.7		
1974	36.7	36.8	36.7	36.4	36.6	36.6	36.6	36.5	36.5	36.4	36.2	36.1	1957	35.8	38.3	37.7	37.3	37.0	37.1	37.3	36.9	36.7	36.0	36.4	36.4		
1975	36.1	36.0	35.8	35.9	35.9	36.0	36.0	36.2	36.1	36.2	36.2	36.3	1958	37.0	34.8	36.8	36.6	37.0	36.4	36.4	36.8	37.0	37.2	37.4	36.6		
1976	36.5	36.4	36.2	36.1	36.2	36.1	36.1	36.0	35.9	36.0	36.0	36.0	1959	36.9	36.1	37.1	37.5	37.3	37.4	36.9	37.2	36.1	36.2	36.6	38.2		
1977	35.8	36.1	36.1	36.1	36.0	36.0	35.9	35.9	36.1	36.0	36.0	35.9	1960	36.2	36.6	35.7	37.3	37.1	36.6	36.6	36.9	36.4	36.9	35.8			
1978	35.5	35.7	36.0	36.1	35.9	35.9							1961	37.4	37.9	36.8	36.0	36.3	36.8	36.8	37.0	36.6	37.0	37.2	36.5		
MINING																											
1947	42.3	42.2	42.5	38.8	41.4	42.8	39.4	40.4	40.4	39.9	39.6	39.7	1962	34.4	36.8	37.0	36.9	37.5	36.7	37.2	37.2	37.6	37.1	36.2			
1948	39.7	40.3	41.1	35.4	39.9	40.5	38.9	41.0	39.3	39.4	38.5	38.7	1963	36.5	36.2	37.1	37.6	37.4	37.6	37.3	37.3	37.7	37.2	36.5			
1949	38.7	38.7	37.9	39.1	38.4	34.9	34.8	32.8	33.9	39.3	36.5	31.2	1964	35.1	37.5	37.2	37.4	37.5	37.4	36.9	37.2	35.7	37.4	37.8			
1950	31.9	36.5	40.4	38.7	36.9	37.9	39.7	38.3	38.6	38.5	38.2	38.5	1965	37.7	37.3	37.4	37.1	37.8	37.2	37.4	37.5	37.3	37.4	38.1			
1951	38.4	37.7	37.1	37.8	37.4	38.4	38.9	38.2	39.3	39.0	38.9	39.2	1966	37.9	38.0	38.5	37.4	36.7	37.4	37.8	37.2	37.5	37.4	39.3			
1952	39.4	39.2	39.4	37.1	37.7	36.9	37.0	39.2	41.1	37.7	39.4	38.9	1967	38.5	37.2	37.4	37.3	37.0	37.5	37.7	37.5	37.8	37.4	36.9			
1953	38.0	38.1	38.5	38.5	39.4	40.1	39.5	39.9	39.0	39.2	38.2	37.7	1968	36.3	37.5	36.8	37.6	37.5	37.6	37.1	37.5	37.6	36.0	37.5			
1954	37.8	38.1	37.5	37.8	38.2	39.1	38.6	38.9	38.6	39.2	39.8	39.8	1969	38.0	37.8	37.6	37.8	38.1	37.6	37.7	37.9	38.0	37.5	38.1			
1955	40.3	40.8	40.7	41.1	41.2	40.9	41.2	40.5	40.5	40.6	40.2	40.7	1970	37.0	36.9	36.8	36.5	36.2	36.4	36.4	36.6	36.7	36.7	35.3			
1956	41.1	40.9	41.1	41.4	41.0	40.3	40.7	40.0	41.1	40.5	40.3	40.7	1971	36.0	35.8	36.6	36.8	36.9	36.9	36.8	36.8	36.7	36.5	36.7			
1957	40.4	40.7	40.8	40.8	40.0	40.4	40.2	40.1	40.5	39.6	39.0	39.1	1972	36.0	35.8	36.6	36.8	36.9	36.9	36.8	36.8	36.7	36.5	36.7			
1958	38.8	38.3	38.2	37.8	38.2	39.1	38.7	39.2	39.4	39.4	40.1	40.1	1973	36.0	35.8	36.6	36.8	36.9	36.9	36.8	36.8	36.7	36.5	36.7			
1959	40.0	40.2	40.6	40.6	40.9	40.9	39.4	40.6	40.2	40.5	40.6	41.2	1974	36.0	37.1	36.6	35.9	36.4	36.4	36.8	36.4	36.8	36.8	37.1			
1960	40.6	39.8	41.2	41.3	41.0	40.3	41.0	40.4	40.4	40.1	40.0	39.9	1975	37.0	36.1	35.0	36.4	36.6	35.7	36.3	36.7	36.7	36.3	36.5			
1961	40.5	40.0	39.5	39.9	40.2	40.4	41.5	40.7	40.7	41.3	41.2	40.8	1976	37.5	36.7	37.4	37.1	36.8	37.2	37.1	37.1	35.8	37.3	38.5			
1962	40.2	41.1	41.4	41.3	40.8	40.7	40.6	41.1	41.3	40.9	41.1	41.0	1977	37.0	36.9	36.8	36.5	36.2	36.4	36.6	36.7	36.7	36.0	35.3			
1963	41.3	41.4	41.1	41.5	41.7	42.0	41.1	41.5	42.0	41.8	41.6	41.8	1978	34.3	35.6	36.9	37.3	36.6	37.3	37.3	37.3	37.3	37.1	36.9			
1964	41.7	41.9	41.8	41.7	41.9	41.9	41.6	41.8	41.4	42.2</																	

## SEASONALLY ADJUSTED

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED</b>																											
1932		39.5	39.4	38.5	37.1	37.1	36.6	36.7	37.0	39.2	39.7	39.5	38.8	1932		36.1	33.6	33.0	31.6	32.3	31.0	31.0	29.7	31.9	33.5	33.5	32.9
1933		38.6	38.1	36.2	37.5	40.3	42.6	43.6	38.8	36.4	35.4	34.8	34.3	1933		32.6	32.0	29.9	31.8	35.9	38.7	41.2	37.7	35.9	34.4	33.6	33.2
1934		34.5	35.6	35.6	35.4	35.0	34.6	33.8	34.0	33.5	33.9	34.2	35.1	1934		33.7	35.0	35.4	35.1	34.6	34.3	32.9	32.4	32.0	32.4	33.1	34.7
1935		36.0	36.3	36.0	35.8	35.2	35.2	35.9	36.6	37.6	37.9	38.1	38.6	1935		36.0	37.1	36.5	36.3	35.5	35.2	36.1	36.7	38.8	38.8	39.5	40.1
1936		38.3	37.4	38.0	38.4	39.0	39.4	39.4	39.4	39.0	40.0	40.9	41.0	1936		39.6	38.3	39.3	40.2	41.0	41.3	41.5	40.8	40.9	41.8	42.9	43.0
1937		40.5	40.6	40.7	40.4	39.9	39.6	38.8	38.5	37.5	36.9	35.6	34.4	1937		42.3	42.6	42.4	41.9	41.4	41.1	40.4	40.1	38.9	38.0	36.0	34.1
1938		34.2	34.7	34.5	34.5	34.6	34.8	35.8	36.3	37.1	36.8	36.7	37.2	1938		33.4	33.7	33.6	33.4	33.8	34.0	34.7	35.6	36.5	36.4	36.5	36.9
1939		37.4	37.3	37.2	37.0	37.0	37.6	37.4	37.8	37.7	38.3	38.9	38.5	1939		37.3	37.2	37.0	36.9	37.0	37.4	37.5	38.0	38.1	38.9	39.5	39.5
1940		38.0	37.3	37.3	37.5	37.5	37.7	37.8	38.2	38.7	38.8	38.8	39.5	1940		38.9	38.1	38.1	38.4	38.3	38.6	39.0	39.4	40.1	40.1	40.2	41.0
1941		39.4	40.1	40.3	40.7	41.2	41.0	41.0	41.2	40.8	40.5	41.0	41.0	1941		41.1	41.7	42.0	41.6	42.2	42.7	42.4	42.3	42.4	42.1	41.8	42.3
1942		42.0	42.4	42.5	42.8	42.9	42.8	43.2	43.0	42.7	43.4	44.2	44.4	1942		44.0	44.3	44.7	44.9	44.9	44.8	45.5	45.0	44.8	45.2	46.0	46.0
1943		44.4	44.4	44.5	45.1	45.3	45.0	44.9	45.2	45.4	45.4	45.6	44.8	1943		45.9	45.9	46.1	46.7	46.7	46.3	46.7	46.7	47.0	46.8	47.0	46.1
1944		45.2	45.4	45.1	44.9	45.4	45.2	44.9	45.2	45.3	45.5	45.3	45.4	1944		46.4	46.5	46.3	46.1	46.5	46.5	46.4	46.5	46.7	46.8	46.6	46.8
1945		45.3	45.4	45.2	45.1	44.3	44.5	44.3	40.8	41.7	41.4	41.1	41.1	1945		46.6	46.7	46.3	46.1	45.4	45.4	45.6	41.0	41.4	41.4	41.0	41.0
1946		40.8	40.4	40.5	40.4	39.9	39.8	39.8	40.5	40.5	40.3	40.2	40.5	1946		40.6	39.9	40.2	40.1	39.4	39.5	39.9	40.4	40.6	40.4	40.1	40.3
1947		40.5	40.5	40.4	40.5	40.4	40.4	40.2	39.8	40.3	40.3	40.4	40.7	1947		40.5	40.5	40.6	40.7	40.6	40.4	39.9	40.5	40.5	40.6	40.9	40.9
1948		40.4	40.2	40.4	40.4	40.2	40.2	40.1	40.0	39.6	39.7	39.7	39.5	1948		40.7	40.5	40.7	40.4	40.3	40.5	40.3	40.5	39.9	40.3	40.2	40.0
1949		39.4	39.4	39.1	38.8	38.9	39.1	39.0	39.4	39.4	39.0	39.3	39.3	1949		40.0	39.9	39.4	39.0	39.1	39.1	39.3	39.2	39.5	39.5	38.9	39.5
1950		39.6	39.7	39.7	40.1	40.2	40.5	40.8	41.1	40.8	40.9	40.9	40.8	1950		39.9	40.1	40.1	40.8	40.9	41.2	41.5	41.7	41.6	41.7	41.6	41.5
1951		40.8	40.8	41.0	41.2	40.9	40.7	40.5	40.2	40.4	40.2	40.3	40.6	1951		41.4	41.5	41.7	41.9	41.8	41.6	41.3	41.2	41.5	41.3	41.5	41.5
1952		40.7	40.7	40.6	40.1	40.4	40.5	40.1	40.5	41.0	41.1	41.0	41.1	1952		41.7	41.6	41.5	40.8	41.1	41.2	40.6	41.0	41.8	41.9	41.8	41.9
1953		41.0	41.0	41.1	41.1	40.9	40.7	40.6	40.4	39.8	40.0	39.8	39.6	1953		41.8	41.8	41.9	41.7	41.5	41.4	41.3	41.2	40.5	40.7	40.5	40.2
1954		39.5	39.7	39.5	39.4	39.5	39.6	39.6	39.7	39.5	39.6	40.1	40.0	1954		40.1	40.2	39.9	39.8	40.0	40.0	40.1	40.1	39.9	40.1	40.6	40.5
1955		40.3	40.5	40.7	40.6	40.9	40.6	40.6	40.6	40.7	40.9	41.0	40.8	1955		40.9	41.2	41.3	41.3	41.7	41.2	41.2	41.3	41.5	41.7	41.4	41.4
1956		40.8	40.6	40.4	40.6	40.2	40.1	40.2	40.2	40.4	40.5	40.4	40.5	1956		41.3	41.0	40.9	41.2	40.8	40.7	41.0	40.8	41.2	41.2	41.0	41.3
1957		40.3	40.4	40.2	40.1	39.8	39.9	39.8	39.7	39.3	39.3	39.2	39.0	1957		41.0	41.1	40.8	40.6	40.3	40.4	40.2	40.3	40.0	39.6	39.3	39.3
1958		38.8	38.6	38.7	38.6	38.8	39.0	39.2	39.4	39.6	39.5	39.8	39.8	1958		39.0	38.8	39.0	38.9	39.0	39.4	39.5	39.7	40.0	39.8	40.1	40.2
1959		40.1	40.2	40.4	40.5	40.6	40.5	40.2	40.3	40.1	40.1	39.8	40.2	1959		40.5	40.6	40.8	41.0	41.0	41.1	40.6	40.7	40.4	40.6	40.0	40.7
1960		40.5	40.1	39.9	39.7	39.8	39.8	39.7	39.4	39.6	39.2	38.4	38.4	1960		41.1	40.6	40.4	40.1	40.4	40.2	40.1	40.0	39.8	40.0	39.5	38.7
1961		39.2	39.3	39.4	39.6	39.6	39.9	40.0	40.1	39.5	40.2	40.5	40.3	1961		39.6	39.6	39.7	40.0	40.1	40.3	40.4	40.5	39.8	40.8	41.1	40.9
1962		40.0	40.3	40.5	40.7	40.5	40.4	40.4	40.3	40.5	40.2	40.3	40.2	1962		40.5	40.9	41.0	41.2	41.0	40.9	41.0	40.9	41.2	40.9	40.8	40.8
1963		40.4	40.3	40.4	40.2	40.5	40.6	40.5	40.4	40.6	40.6	40.5	40.6	1963		41.0	41.0	41.0	40.9	41.1	41.3	41.3	41.0	41.2	41.2	41.2	41.2
1964		40.1	40.6	40.6	40.8	40.7	40.7	40.8	40.9	40.5	40.6	40.8	41.1	1964		40.9	41.3	41.3	41.6	41.4	41.5	41.6	41.7	41.4	41.2	41.6	42.0
1965		41.2	41.2	41.4	41.0	41.2	41.1	41.1	41.0	40.8	41.2	41.3	41.4	1965		42.0	42.1	42.2	41.9	42.1	42.0	42.0	41.8	41.5	42.0	42.1	42.2
1966		41.4	41.6	41.5	41.5	41.4	41.4	41.2	41.4	41.3	41.3	41.2	40.9	1966		42.3	42.4	42.4	42.4	42.2	42.2	41.9	42.2	42.1	42.1	41.9	41.6
1967		41.0	40.4	40.4	40.5	40.4	40.4	40.5	40.6	40.7	40.6	40.6	40.7	1967		41.7	41.1	41.0	41.0	41.1	41.0	41.1	41.3	41.3	41.2	41.0	41.3
1968		40.3	40.9	40.7	40.0	40.9	40.8	40.7	40.9	40.9	40.8	40.7	40.7	1968		41.0	41.5	41.3	40.7	41.6	41.5	41.5	41.3	41.6	41.6	41.5	41.3
1969		40.7	40.4	40.8	40.7	40.7	40.6	40.6	40.6	40.7	40.6	40.4	40.5	1969		41.4	41.1	41.5	41.5	41.3	41.3	41.2	41.3	41.4	41.2	41.0	41.2
1970		40.4	40.2	40.1	39.9	39.8	40.0	39.8	39.3	39.5	39.5	39.5	39.7	1970		40.9	40.7	40.6	40.4	40.3	40.4	40.6	40.3	39.8	39.9	39.9	39.9
1971		39.9	39.7	39.8	39.7	39.9	40.0	39.9	39.8	39.4	39.9	40.0	40.2	1971		40.4	40.2	40.3	40.1	40.4	40.5	40.3	40.1	39.6	40.3	40.4	40.7
1972		40.2	40.4	40.4	40.7	40.5	40.6	40.5	40.6	40.7	40.7	40.8	40.5	1972		40.7	41.0	41.0	41.3	41.1	41.2	41.2	41.3	41.3	41.5	41.3	41.3
1973		40.4	40.9	40.8	40.9	40.7	40.6	40.7	40.5	40.7	40.6	40.7	40.6	1973		41.3	41.8	41.6	41.7	41.5	41.4</						

**SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED</b>																											
<b>SIC 24—LUMBER AND WOOD PRODUCTS</b>																											
1947		39.3	41.4	39.6	40.0	40.6	40.4	40.7	40.6	40.6	39.8	40.2	40.6	1962		39.6	40.7	41.1	41.4	41.1	41.0	40.6	40.7	40.9	40.7	40.6	40.4
1948		40.6	40.4	40.5	39.3	40.2	40.3	40.2	40.3	39.8	39.8	39.7	39.3	1963		40.8	40.7	40.6	40.6	40.8	40.9	41.1	40.9	40.9	40.9	41.1	
1949		39.6	39.0	39.2	39.2	39.7	38.6	38.2	38.5	39.1	39.5	39.5	39.6	1964		40.1	41.2	41.1	41.4	41.1	41.0	41.1	41.3	40.8	41.4	41.5	41.6
1950		38.3	39.1	39.3	39.4	39.3	39.5	39.8	39.9	39.7	39.7	39.5	39.7	1965		41.5	41.9	41.8	41.4	41.5	41.5	41.4	41.4	41.1	41.5	41.6	41.8
1951		39.5	39.5	39.3	39.9	40.0	39.7	38.4	38.8	39.1	39.1	39.2	39.2	1966		41.6	41.7	41.9	41.8	42.0	41.8	41.0	41.6	41.3	41.2	41.0	40.6
1952		39.1	39.6	39.2	39.4	39.5	40.1	39.6	39.9	40.0	39.8	39.7	39.7	1967		40.8	40.3	40.1	40.1	39.9	40.2	40.4	40.3	40.6	40.5	40.5	
1953		39.8	40.0	39.8	39.6	39.4	39.2	39.4	38.6	38.5	38.7	38.7	38.8	1968		39.5	41.2	40.8	39.8	41.0	40.9	40.6	40.7	40.9	40.6	40.5	
1954		38.6	39.0	38.9	38.9	38.5	38.7	39.5	39.3	38.9	39.4	39.7	39.4	1969		40.7	40.4	40.8	40.7	40.8	40.6	40.0	40.3	40.1	40.0	40.0	
1955		39.8	39.7	39.7	39.2	39.6	39.6	39.2	39.3	39.3	39.1	39.1	39.8	1970		39.5	39.4	39.4	39.2	38.8	38.7	39.1	39.0	38.3	39.4	39.7	
1956		39.5	39.0	38.6	38.7	38.6	38.3	38.9	39.3	39.1	38.7	38.6	38.6	1971		39.6	39.4	39.6	39.5	39.8	39.8	40.0	39.9	39.4	39.9	40.1	
1957		38.4	38.7	38.7	38.8	38.6	38.4	38.3	38.9	37.1	38.1	37.9	37.8	1972		40.4	40.7	40.3	40.6	40.3	40.4	40.2	40.1	40.0	39.9	40.0	
1958		37.8	37.7	37.8	37.7	38.0	38.4	38.3	38.8	39.6	39.5	39.5	39.3	1973		39.3	40.4	40.6	40.4	40.1	40.1	40.0	39.9	39.9	39.8	39.8	
1959		39.3	39.2	40.0	39.9	39.9	39.8	39.8	39.6	39.3	39.2	39.8	40.0	1974		40.0	39.8	39.7	39.1	39.5	39.6	39.4	39.1	38.8	38.6	37.3	
1960		39.7	39.4	38.2	39.7	39.4	39.4	39.2	38.6	38.9	38.9	38.5	38.0	1975		36.6	36.4	36.7	37.5	37.6	37.8	37.9	38.4	38.9	38.9	39.1	
1961		39.2	39.0	39.0	39.1	39.4	39.6	39.4	39.6	39.5	40.0	39.8	39.4	1976		39.6	39.3	39.1	38.8	38.7	38.4	39.7	38.5	38.1	38.2	38.6	
1962		37.9	40.0	39.4	39.8	40.0	39.6	40.2	40.3	40.3	39.6	39.9	39.6	1977		37.6	38.7	39.0	38.9	39.0	39.1	39.0	39.0	39.1	39.5	39.6	
1963		39.9	40.0	39.9	39.8	39.6	40.2	40.4	40.2	40.5	40.4	40.4	40.4	1978		38.4	40.0	40.1	40.1	39.4	39.5						
1964		39.1	40.5	40.6	40.4	40.4	40.6	40.5	40.6	39.8	40.3	40.6	40.7	1979													
1965		40.5	40.4	40.8	40.8	41.0	40.2	40.6	40.9	40.6	41.1	41.3	41.7	1980		41.6	40.7	41.2	41.2	40.8	41.2	41.1	40.7	40.6	41.0	40.9	
1966		41.4	41.2	40.9	41.2	41.4	40.7	40.8	40.6	40.4	40.4	40.4	40.2	1981		40.7	40.3	41.0	41.1	41.1	41.0	40.3	41.2	40.7	40.5		
1967		40.5	40.2	40.3	40.4	40.0	40.1	40.0	39.7	40.3	40.4	41.0	39.9	1982		40.4	40.5	39.9	39.4	39.5	39.3	39.0	39.4	39.5	39.7	39.8	
1968		38.9	41.1	40.3	40.2	40.4	40.8	40.8	40.9	41.0	40.8	40.4	41.0	1983		40.1	40.1	40.1	40.5	40.7	41.0	41.4	41.8	42.1	41.8		
1969		40.4	40.7	40.8	40.2	40.3	40.0	39.8	39.9	40.0	40.0	40.1	40.2	1984		41.8	41.2	41.7	42.1	41.7	41.6	41.3	41.3	40.7	40.9		
1970		39.9	40.0	39.5	39.7	39.4	39.5	39.5	39.2	39.0	39.5	39.4	39.4	1985		41.2	41.4	41.0	40.7	40.9	40.9	41.2	41.4	41.1	41.2		
1971		39.6	39.5	39.6	39.7	39.3	39.7	39.9	39.5	39.4	40.1	40.2	40.1	1986		41.0	41.3	41.3	41.2	41.0	40.9	40.6	40.4	40.2	40.4		
1972		40.4	40.4	40.5	40.6	40.4	40.6	40.5	40.7	40.6	40.5	40.4	38.9	1987		41.0	41.3	41.3	41.2	41.0	40.9	40.6	40.4	40.2	40.4		
1973		38.8	39.7	40.1	40.3	40.1	40.1	39.9	39.9	40.0	40.1	39.9	40.1	1988		40.2	40.8	40.5	40.3	40.2	40.2	40.3	40.4	40.6	40.8		
1974		39.9	39.8	40.0	39.4	39.9	39.4	39.3	39.0	38.5	38.2	38.2	37.7	1989		41.1	41.1	41.4	41.4	41.5	41.6	41.3	41.3	41.4	41.6		
1975		38.0	38.0	37.6	38.3	38.4	38.7	38.7	39.1	39.4	39.3	39.1	39.8	1990		41.5	41.6	41.1	41.3	41.2	41.0	40.9	40.8	40.7	40.8	41.0	
1976		40.8	40.1	39.6	39.6	39.7	39.7	40.0	39.9	39.5	39.8	39.7	39.8	1991		40.9	41.4	40.8	40.5	40.5	40.3	40.2	40.4	40.4	40.0	39.6	
1977		39.6	40.0	39.7	39.8	39.6	39.7	39.8	39.3	40.1	40.1	40.0	40.0	1992		39.8	39.3	39.2	39.1	39.6	39.8	39.9	40.3	40.8	40.7	40.2	
1978		39.3	39.6	39.9	40.2	39.5	40.0							1993		40.9	41.1	41.4	41.8	41.5	41.6	41.5	41.2	40.8	40.9	40.6	
<b>SIC 25—FURNITURE AND FIXTURES</b>																											
1947		42.1	41.5	41.2	41.8	42.0	41.9	41.7	41.0	41.1	41.3	41.4	41.5	1961		40.5	40.4	40.4	40.3	40.4	40.8	40.9	41.0	41.1	40.8	40.9	40.4
1948		42.3	41.5	41.4	41.3	41.3	41.0	41.1	40.6	40.3	40.6	40.2	39.9	1962		39.8	40.8	40.8	40.8	40.8	41.0	41.1	41.2	41.1	41.1	40.3	
1949		39.6	39.5	39.3	39.2	39.1	39.4	39.6	40.4	40.5	40.7	40.7	40.9	1963		40.8	40.9	41.3	41.2	41.5	41.6	41.4	41.6	41.7	41.6	41.8	
1950		41.3	41.4	41.5	41.8	41.8	42.2	42.0	42.7	42.1	41.6	42.0	41.1	1964		40.8	41.9	41.8	42.0	41.9	41.8	41.7	41.4	41.7	41.8		
1951		41.8	41.8	42.0	41.5	40.9	40.6	40.6	40.5	40.7	40.5	40.7	41.0	1965		41.9	42.1	41.8	41.4	42.0	42.0	42.0	41.9	41.9	42.2	42.3	
1952		41.6	41.1	41.0	41.5	41.3	41.4	41.1	41.4	41.4	41.6	41.5	41.8	1966		42.4	42.3	42.7	42.2	42.0	42.0	41.7	41.8	41.8	41.6	41.7	
1953		41.6	41.3	41.5	41.9	41.7	41.3	40.8	40.6	39.8	40.2	40.2	39.6	1967		42.0	41.3	41.3	41.3	41.4	41.5	41.6	41.8	41.8	41.6	41.6	
1954		39.9	39.9	40.0	39.7	39.5	39.9	40.2	40.2	40.1	40.2	40.4	40.5	1968		40.9	41.8	41.5	41.8	41.9	42.0	41.9	41.7	42.2	41.7	41.9	
1955		40.8	41.2	41.2	41.0	41.5	41.8	41.3	41.4	41.5	41.5	41.4	41.3	1969		42.0	42.1	42.0	42.0	42.2	41.9	41.6	41.7	41.8	42.0		
1956		41.2	41.1	41.0	40.8	40.6	40.5	40.8</td																			

## SEASONALLY ADJUSTED

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED</b>																											
<b>SIC 33—PRIMARY METAL INDUSTRIES</b>																											
1947		39.5	39.6	40.0	40.4	40.2	40.4	39.7	39.7	40.0	40.0	40.0	39.9	1962		40.8	41.1	41.3	41.3	41.2	41.3	41.1	41.1	41.1	41.1	41.0	40.9
1948		40.0	40.1	40.2	39.6	40.3	40.2	40.4	40.5	40.0	40.6	40.2	39.7	1963		41.4	41.1	41.2	40.9	41.4	41.3	41.4	41.3	41.5	41.6	41.4	41.6
1949		39.7	39.8	38.9	38.6	38.3	37.8	37.8	38.0	37.9	37.5	36.3	38.8	1964		41.4	41.6	41.6	41.9	41.7	41.6	41.9	41.8	41.4	41.4	42.0	42.2
1950		39.3	39.7	38.8	40.6	40.8	41.0	41.5	41.5	41.7	41.9	41.7	41.7	1965		42.2	42.3	42.6	41.7	42.2	42.1	42.0	42.0	41.4	42.1	42.3	42.2
1951		41.4	41.2	41.7	42.1	41.8	41.9	41.8	41.2	41.6	41.2	41.2	41.6	1966		42.4	42.6	42.5	42.4	42.5	42.4	42.2	42.4	42.4	42.4	42.3	42.1
1952		41.2	41.2	41.5	39.1	39.4	40.1	40.1	40.7	41.3	41.4	41.3	41.3	1967		42.2	41.5	41.4	41.5	41.4	41.3	41.5	41.5	41.4	41.3	41.5	41.5
1953		41.5	41.6	41.8	41.4	41.6	41.4	41.5	41.3	40.3	40.4	39.8	39.3	1968		41.4	41.5	40.5	41.8	41.8	41.8	41.8	42.0	42.2	42.2	41.7	41.7
1954		39.1	38.8	38.1	38.2	38.6	38.8	38.8	38.7	38.6	38.9	39.5	39.6	1969		41.8	41.3	41.8	41.7	41.6	41.7	41.6	41.5	41.4	41.4	41.4	41.4
1955		40.2	40.8	41.0	41.5	41.8	41.4	40.9	40.8	41.8	41.7	41.7	41.6	1970		41.4	41.1	41.2	40.9	40.7	40.9	41.3	40.7	40.1	40.2	40.1	40.1
1956		41.7	41.3	41.2	41.4	41.1	40.8	40.6	40.0	41.2	41.0	40.7	40.9	1971		40.7	40.2	40.2	40.0	40.7	40.6	40.8	40.4	39.7	40.2	40.4	40.8
1957		40.9	40.5	40.2	40.0	39.8	40.1	39.9	39.6	39.4	38.8	38.4	37.9	1972		40.7	41.0	41.1	41.3	41.2	41.3	41.3	41.3	41.4	41.5	41.4	41.4
1958		37.2	37.0	37.3	37.1	37.4	38.1	38.5	38.7	39.1	39.2	39.6	39.6	1973		41.5	42.0	41.8	41.7	41.6	41.7	41.2	41.5	41.5	41.5	41.4	41.4
1959		40.0	40.5	40.9	41.2	41.5	41.4	38.9	40.1	39.9	40.0	39.2	41.0	1974		41.2	41.2	41.3	39.5	41.1	40.9	40.9	41.0	40.8	40.4	40.5	40.5
1960		41.1	40.4	40.1	39.4	38.9	38.6	38.6	38.5	38.1	38.2	37.7	37.1	1975		40.4	39.8	39.8	39.8	39.7	39.7	39.7	40.1	40.4	40.3	40.5	40.6
1961		37.7	37.9	38.1	38.7	39.4	39.8	40.2	40.2	40.2	40.7	40.6	40.6	1976		40.8	41.0	40.8	39.6	41.1	41.0	41.1	40.9	40.6	40.8	40.9	40.8
1962		40.8	40.8	40.8	40.6	39.8	39.8	39.4	39.6	40.2	39.9	40.2	40.3	1977		40.2	41.0	41.0	40.9	41.0	41.3	41.0	40.9	41.0	41.0	41.0	41.2
1963		40.4	40.6	40.6	41.2	41.4	41.8	41.0	40.8	40.8	40.8	41.1	41.2	1978		40.3	40.7	41.3	41.4	41.1	41.0						
1964		41.1	41.1	41.3	41.3	41.6	41.6	41.6	42.1	42.8	42.0	42.1	42.3														
1965		42.3	42.3	42.4	43.7	42.1	42.3	42.4	42.0	41.8	41.5	41.1	41.5	1947		41.6	41.5	41.5	41.7	41.6	41.6	41.5	40.7	41.5	41.5	41.8	41.8
1966		41.8	42.1	42.1	42.0	42.1	42.2	41.6	42.3	42.6	42.5	42.3	41.7	1948		41.7	41.4	41.6	41.4	41.5	41.6	41.1	41.3	41.0	41.2	40.9	40.7
1967		41.8	41.0	40.8	40.5	40.8	40.7	40.9	41.0	41.1	41.3	41.5	41.7	1949		40.5	40.3	39.8	39.0	39.4	39.4	39.6	39.5	39.6	39.3	38.7	39.3
1968		41.5	41.8	41.8	42.2	42.1	42.1	41.9	40.2	41.3	41.4	41.4	41.5	1950		39.8	40.3	40.5	40.9	41.5	41.7	42.2	42.7	43.0	43.2	43.2	43.2
1969		41.8	41.7	41.9	41.9	41.8	41.7	41.6	41.9	42.0	42.2	41.6	41.5	1970		41.3	40.9	40.8	40.2	40.5	39.8	39.5					
1970		41.3	40.9	40.8	40.2	40.3	40.4	40.5	40.4	40.6	39.8	39.4	39.5														
<b>SIC 34—FABRICATED METAL PRODUCTS</b>																											
1947		41.1	40.9	41.1	41.1	41.1	40.9	40.9	39.9	40.7	41.0	41.0	41.3	1961		43.3	43.3	43.6	43.8	43.7	43.6	43.5	43.3	43.5	43.3	43.5	43.5
1948		40.3	40.8	40.9	41.1	41.2	41.3	41.6	41.5	41.8	42.4	42.1	42.1	1962		43.9	43.4	43.2	42.7	43.0	42.8	42.6	42.4	42.2	42.9	42.9	43.1
1949		42.4	42.4	42.2	42.4	42.0	42.2	41.9	42.2	42.3	43.0	42.0	45.5	1963		43.0	42.9	43.0	42.8	42.6	42.4	42.3	41.9	42.1	41.8	41.5	
1950		42.0	41.5	41.7	41.5	41.6	41.7	41.6	41.7	42.0	42.0	41.4	41.1	1964		41.9	42.3	42.2	42.5	42.6	42.6	42.4	42.3	41.9	42.8	42.8	
1951		40.6	40.4	40.7	40.8	40.5	40.5	38.7	38.9	39.8	39.7	40.4	40.4	1965		43.0	43.0	43.2	42.4	43.2	43.1	43.1	42.9	43.5	43.5	43.7	
1952		40.3	40.8	40.9	41.1	41.2	41.3	41.3	41.6	41.5	41.8	42.4	42.1	1966		43.8	43.9	43.9	43.8	44.0	43.9	43.9	43.8	43.8	43.8	43.5	
1953		41.2	41.4	42.2	42.4	42.0	42.2	41.9	42.2	42.3	43.0	42.0	45.5	1967		43.5	43.0	42.8	42.5	42.2	42.4	42.4	42.2	42.3	42.2	42.2	
1954		41.5	41.7	41.5	41.6	41.6	41.7	41.6	41.7	42.0	42.0	41.4	41.1	1968		41.9	42.3	42.0	41.1	42.2	42.1	42.2	42.0	42.3	42.3	42.1	
1955		40.6	40.4	39.7	39.4	39.4	39.8	39.6	39.8	39.9	40.0	40.2	40.5	1969		42.8	42.6	42.3	42.7	42.6	42.5	42.5	42.6	42.4	42.4	42.4	
1956		41.3	41.4	41.2	41.5	40.9	41.0	41.1	40.8	41.3	41.8	41.2	41.7	1970		42.3	41.9	41.8	41.5	41.1	41.2	41.1	40.8	40.1	40.5	40.2	
1957		41.2	41.5	41.3	41.4	41.0	41.0	40.8	41.0	40.6	40.4	39.9	39.7	1971		40.4	40.3	40.3	40.2	40.5	40.6	40.8	40.7	40.4	40.8	41.1	
1958		39.8	39.4	39.6	39.3	39.4	39.8	40.2	40.2	40.4	40.2	40.4	40.6	1972		41.2	41.6	41.6	42.1	42.4	42.4	42.3	42.3	42.4	42.6	42.6	
1959		40.9	40.7	41.0	41.2	41.4	41.4	40.9	41.1	40.8	40.7	40.0	40.9	1973		42.5	42.8	42.8	42.8	43.1	42.7	42.8	42.7	43.2	42.9	42.5	43.0
1960		41.7	41.1	40.9	40.3	40.8	40.6	40.7	40.8	40.3	40.4	39.9	39.0	1974		42.7	42.6	42.8	40.8	42.5	42.5	42.1	42.3	42.2	41.8	41.6	
1961		40.0	39.9	40.0	40.4	40.4	40.6	40.8	40.8	39.8	40.9	41.3	41.1	1975		41.5	41.1	40.8	40.8	40.5	40.4	40.4	40.7	40.7	40.9	41.1	
1962		41.4	41.1	40.9	40.3	40.8	40.6	40.7	40.8	40.3	40.4	39.9	39.0	1976		41.4	41.3	41.2	40.2	41.3	41.3	41.6	41.5	41.7	41.9	41.9	
1963		40.6	41.3	40.4	40.4	40.6	40.8	40.8	40.8	40.3	40.4	39.9	39.0	1977		40.6	41.3	41.3	41.1	41.4	41.6	41.6	41.5	41.7	41.9</td		

**SEASONALLY ADJUSTED**

See footnotes at end of tables

## SEASONALLY ADJUSTED

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED</b>														<b>AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED</b>													
		<b>SIC 39—MISCELLANEOUS MANUFACTURING INDUSTRIES</b>														<b>SIC 20-23,26-31—NONDURABLE GOODS</b>											
1947		41.2	40.8	40.8	40.8	40.4	40.2	39.5	40.2	40.4	40.3	40.8	1949		38.7	38.8	38.7	38.5	38.5	38.7	38.8	38.8	39.2	39.3	39.1	39.0	
1948		40.8	41.0	40.9	40.8	40.8	40.9	40.3	40.6	40.2	40.2	39.8	1950		39.3	39.3	39.3	39.3	39.3	39.6	39.9	40.3	39.8	40.0	40.2	40.0	
1949		39.9	39.8	39.8	39.0	39.1	39.5	39.8	38.8	39.7	39.8	39.8	1951		40.2	40.0	40.0	40.4	39.7	39.5	39.4	38.9	39.1	38.7	39.0	39.4	
1950		39.9	39.7	39.8	40.1	40.4	40.5	41.1	41.5	41.6	41.4	40.6	1952		39.5	39.5	39.4	39.2	39.5	39.7	39.5	39.8	40.1	40.1	40.0	40.1	
1951		41.1	41.1	41.1	41.2	40.8	40.8	40.7	39.9	39.9	39.7	40.3	1953		39.9	39.8	40.1	40.2	39.9	39.8	39.7	39.4	38.7	39.1	39.0	38.9	
1952		40.6	40.3	40.4	40.1	40.4	40.2	40.3	40.6	41.1	41.2	41.3	1954		38.7	38.9	39.0	38.8	38.9	39.0	39.1	39.1	39.0	39.0	39.4	39.4	
1953		41.2	40.6	41.1	41.3	40.9	40.8	40.4	40.5	39.6	40.1	40.0	1955		39.5	39.7	39.8	39.7	40.0	40.0	39.8	39.8	39.9	40.1	40.2	40.0	
1954		39.2	39.6	39.5	39.2	39.4	39.5	39.6	39.8	39.5	39.6	39.7	1956		40.1	39.9	39.7	39.7	39.4	39.3	39.3	39.3	39.5	39.6	39.4	39.4	
1955		40.0	40.1	40.2	40.1	40.5	40.4	40.2	40.1	40.3	40.5	40.4	1957		39.4	39.5	39.4	39.4	39.2	39.2	39.4	39.2	39.4	38.9	38.7	38.7	
1956		40.3	40.3	40.0	40.3	40.0	39.9	40.0	39.9	39.8	39.8	39.7	1958		38.6	38.4	38.4	38.2	38.4	38.6	38.8	39.0	39.2	39.2	39.3	39.3	
1957		39.9	40.0	40.1	39.8	39.7	39.7	39.8	39.7	39.9	39.1	38.9	1959		39.6	39.7	39.8	39.9	39.9	39.8	39.7	39.8	39.6	39.6	39.6	39.6	
1958		39.1	38.9	39.0	39.1	39.0	39.2	39.4	39.0	39.5	39.4	39.5	1959		39.7	39.4	39.2	39.2	39.6	39.4	39.3	38.9	39.0	38.8	37.9	37.9	
1959		39.8	39.7	39.8	40.0	40.0	39.9	40.0	40.0	40.0	39.9	39.9	1960		39.7	39.4	39.2	39.2	39.6	39.4	39.4	39.3	38.9	39.0	38.8	37.9	
1960		39.7	39.6	39.8	39.1	39.7	39.6	39.4	39.6	39.0	39.4	39.3	1961		38.8	38.9	39.0	39.2	39.1	39.3	39.4	39.5	39.2	39.6	39.8	39.6	
1961		39.2	39.3	39.1	39.3	39.3	39.7	39.6	39.4	39.7	39.8	40.2	1962		39.4	39.5	39.8	40.0	39.8	39.8	39.8	39.6	39.7	39.3	39.5	39.5	
1962		39.4	39.3	40.0	40.3	40.1	39.9	39.8	39.7	40.1	39.5	39.4	1963		39.5	39.5	39.6	39.3	39.6	39.6	39.6	39.7	39.7	39.8	39.7	39.7	
1963		39.6	39.6	39.3	39.3	39.6	39.6	39.7	39.6	39.7	39.7	39.5	1964		39.1	39.8	39.7	39.9	39.8	39.7	39.7	39.8	39.4	39.9	39.8	40.0	
1964		38.7	39.4	39.6	39.8	39.4	39.5	39.8	39.8	39.0	39.7	39.9	1965		40.1	40.1	40.2	39.8	40.0	40.0	40.1	40.0	39.9	40.1	40.2	40.2	
1965		39.9	39.8	39.9	39.5	39.8	39.8	40.0	39.8	40.0	39.8	40.1	1966		40.2	40.4	40.4	40.3	40.3	40.2	40.2	40.0	40.2	40.1	39.9	39.8	
1966		40.1	40.2	40.1	40.2	40.1	40.1	39.8	40.0	39.8	39.9	39.7	1967		40.0	39.5	39.5	39.6	39.6	39.6	39.6	39.7	39.9	39.8	39.8	39.7	
1967		40.0	38.7	39.3	39.5	39.4	39.5	39.4	39.4	39.5	39.4	39.4	1968		39.7	39.3	39.8	39.7	39.8	39.8	39.7	39.7	39.7	39.6	39.6	39.7	
1968		39.2	39.7	39.5	38.4	39.6	39.7	39.2	39.3	39.7	39.5	39.3	1969		39.6	39.5	39.4	39.2	39.2	39.1	39.1	38.6	38.9	39.0	39.0	39.0	
1969		39.2	37.7	39.2	39.1	39.2	39.0	39.0	39.0	39.1	39.0	38.9	1970		39.2	38.9	38.7	38.7	38.6	38.5	38.5	38.8	39.1	39.3	39.5	39.5	
1970		39.2	38.9	39.0	38.9	38.7	38.7	38.9	38.6	38.2	38.2	38.5	1971		39.3	39.1	39.1	39.2	39.4	39.3	39.4	39.3	39.1	39.3	39.5	39.5	
1971		38.8	38.1	38.7	38.6	38.9	38.8	39.1	39.1	38.9	39.2	39.2	1972		39.6	39.6	39.7	39.9	39.6	39.8	39.7	39.7	39.8	39.8	39.5	39.5	
1972		39.3	39.5	39.4	39.6	39.5	39.5	39.2	39.6	39.7	39.5	39.0	1973		39.0	39.7	39.8	39.8	39.6	39.5	39.6	39.6	39.6	39.5	39.7	39.7	
1973		39.1	39.3	39.3	39.0	39.0	39.0	39.0	38.9	39.0	38.7	38.7	1974		39.6	39.6	39.5	38.7	39.4	39.3	39.3	39.2	39.0	38.9	38.5	38.2	
1974		38.5	39.0	39.1	37.7	39.1	39.1	39.2	39.0	38.7	38.6	38.1	1975		38.1	37.8	37.9	38.2	38.4	38.7	38.8	39.2	39.4	39.4	39.5	39.8	
1975		38.5	37.8	37.7	38.2	38.3	38.4	38.3	38.6	38.9	39.0	38.7	1976		40.1	39.8	39.7	39.0	39.5	39.2	39.3	39.1	39.2	39.2	39.3	39.3	
1976		39.3	39.1	39.0	38.2	39.0	38.7	38.7	38.4	38.7	38.9	39.0	1977		38.9	39.6	39.5	39.6	39.5	39.5	39.3	39.3	39.3	39.4	39.5	39.4	
1977		38.0	39.3	39.1	38.9	38.9	39.0	38.5	38.7	38.9	38.9	38.6	1978		38.8	39.1	39.7	39.8	39.8	39.4	39.4	38.6	38.9	38.9	38.9	38.9	
1978		38.0	38.3	39.0	39.1	38.8	38.8																				
		<b>SIC 20-23,26-31—NONDURABLE GOODS</b>														<b>SIC 20—FOOD AND KINDRED PRODUCTS</b>											
1932		42.7	42.6	42.2	40.9	40.4	40.5	39.9	40.7	43.5	43.5	42.3	1947		43.5	43.4	43.2	43.2	43.2	43.0	43.3	43.2	43.1	43.0	43.1	43.1	
1933		42.0	41.6	39.8	40.9	42.9	45.1	44.5	38.6	37.0	36.2	35.7	1948		42.6	42.7	42.7	43.8	43.0	42.7	42.3	42.3	42.0	42.0	41.9	41.9	
1934		35.0	35.9	35.7	35.6	35.2	34.7	34.2	34.5	34.6	34.8	35.1	1949		42.0	42.3	42.1	42.0	41.9	41.7	42.0	41.5	41.9	41.8	41.4	41.4	
1935		35.9	35.7	35.6	35.3	34.9	35.2	35.8	36.0	36.9	37.2	37.1	1950		41.9	41.7	41.8	41.7	41.6	41.8	42.2	42.0	41.9	41.8	41.7	41.9	
1936		37.2	36.7	36.9	36.8	37.2	37.6	37.6	38.2	37.5	38.4	39.1	1951		42.2	41.8	41.9	42.4	42.1	41.9	42.1	42.2	42.6	42.1	41.9	42.0	
1937		39.0	39.0	39.0	38.9	38.5	38.1	37.5	36.9	36.2	35.8	35.1	1952		41.9	42.2	42.0	41.9	41.8	42.1	41.7	41.5	42.0	41.8	41.7	41.9	
1938		34.6	35.3	35.1	35.2	35.4	35.4	36.3	36.6	37.5	37.2	36.9	1953		41.5	41.5	41.8	41.5	41.6	41.6	41.5	41.5	41.6	41.5	41.1	41.1	
1939		37.4	37.3	37.4	37.0	37.1	37.6	37.3	37.5	37.5	37.4	37.8	1954		41.4	41.4	41.3	41.4	41.4	41.4	41.3	41.3	41.1	41.0	41.3	41.3	
1940		37.2	36.6	36.6	36.6	36.6	36.8	37.0	37.4	37.3	37.3	37.9	1955		41.3	41.4	41.5	41.5	41.7	41.5	41.6	41.6	41.2	41.7	41.6	41.7	
1941		37.6	38.3	38.6	38.7</																						

## **SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.							
<b>AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED</b>														<b>AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED</b>																				
SIC 20—FOOD AND KINDRED PRODUCTS														SIC 22—TEXTILE MILL PRODUCTS																				
1965	41.3	41.1	41.1	41.0	41.1	41.0	41.3	41.1	40.7	41.1	41.1	41.1	41.1	1947	40.0	39.9	39.6	39.9	39.8	39.3	39.3	38.7	39.4	39.5	39.6	39.6	40.1							
1966	41.1	41.5	41.1	41.2	41.0	41.0	41.3	41.1	41.1	41.1	41.1	41.1	41.1	1948	40.1	39.7	40.2	40.8	40.5	40.1	39.5	38.9	37.9	37.7	37.5	37.4	37.4							
1967	41.1	41.0	41.0	40.8	40.8	40.9	40.8	40.7	41.0	40.7	40.9	40.8	40.8	1949	37.1	37.1	36.9	36.5	36.1	36.9	37.3	37.8	38.4	39.1	39.1	38.8	38.8							
1968	40.4	40.8	40.7	40.2	40.8	41.0	40.9	41.0	40.8	40.9	40.7	40.9	40.7	1950	39.0	39.1	39.0	38.7	38.7	39.2	39.7	40.7	40.5	40.3	40.3	39.8	39.8							
1969	40.7	40.7	40.8	40.8	40.7	40.7	40.8	40.8	41.0	40.6	40.9	40.7	40.7	1951	40.3	40.2	40.3	40.8	39.6	39.1	38.4	36.7	36.9	37.0	37.4	38.5	38.5							
1970	40.9	40.7	40.5	40.5	40.7	40.4	40.3	40.6	40.0	40.5	40.5	40.4	40.4	1952	38.7	38.3	37.9	38.2	38.5	38.8	39.1	39.7	40.0	40.2	39.9	40.0	40.0							
1971	40.8	40.7	40.4	40.4	40.4	40.4	40.2	40.1	40.0	40.0	40.1	40.3	1953	39.9	39.7	39.9	40.1	40.1	39.9	39.7	38.9	37.6	37.9	37.7	37.6	37.6								
1972	40.2	40.2	40.6	40.7	40.5	40.7	40.7	40.6	40.4	40.6	40.2	40.3	1954	37.4	37.7	38.0	37.8	37.9	38.1	38.3	38.5	38.5	38.9	39.3	39.4	39.4								
1973	40.1	40.2	40.2	40.4	40.4	40.2	40.3	40.4	40.5	40.5	40.8	40.7	1955	39.6	39.8	40.0	39.4	40.2	40.1	40.1	40.2	40.3	40.4	40.6	40.4	40.4								
1974	40.9	40.7	40.4	39.8	40.6	40.7	40.5	40.5	40.2	40.2	40.1	39.9	1956	40.6	40.4	40.1	39.9	39.6	39.0	39.2	39.1	39.2	39.7	39.5	39.5	39.5								
1975	40.0	39.9	40.2	40.0	39.9	40.0	40.1	40.6	40.6	40.4	40.5	40.6	1957	39.3	39.1	39.0	39.1	38.9	38.9	38.9	38.9	39.1	38.8	38.1	38.2	38.2								
1976	41.1	40.6	40.4	40.1	40.4	40.3	40.4	40.3	40.3	40.5	40.4	40.2	1958	37.9	37.9	37.8	36.9	37.7	38.3	38.9	39.0	39.7	39.7	40.0	39.6	39.6								
1977	40.0	40.5	40.3	40.0	40.1	40.1	39.8	39.8	39.6	39.7	40.1	39.9	1959	40.3	40.5	40.6	40.7	40.7	40.6	40.6	39.9	40.3	40.2	40.3	40.3	40.3								
1978	39.7	39.7	40.0	40.1	39.8	39.6	SIC 21—TOBACCO MANUFACTURES														1960	40.8	40.3	39.6	40.0	40.3	40.0	39.9	39.5	38.5	38.6	38.6	37.8	37.8
1947	38.8	39.6	38.5	39.2	38.8	38.2	39.0	38.4	38.6	39.2	38.9	38.9	1961	38.5	38.7	39.0	39.4	39.6	39.9	40.0	40.3	40.6	40.6	41.0	40.7	40.7								
1948	37.8	37.9	38.6	40.5	38.8	37.9	37.9	38.3	37.4	39.5	37.4	37.4	1962	40.6	40.7	40.9	41.3	40.9	40.8	40.7	40.4	40.5	40.2	40.1	40.1	40.1								
1949	35.4	36.8	37.4	36.7	36.7	38.0	37.3	38.2	37.7	37.0	37.5	37.4	1963	40.2	40.2	40.3	40.3	40.6	40.6	40.6	40.5	40.7	41.0	40.9	41.0	41.0								
1950	38.3	37.8	38.0	37.5	37.8	38.2	38.6	38.1	38.4	37.4	37.2	38.1	1964	40.4	41.1	40.8	41.1	41.1	41.0	41.2	41.2	39.9	41.4	41.5	41.8	41.8								
1951	38.6	39.1	37.7	38.4	37.7	37.8	37.7	37.3	38.4	38.9	39.3	38.5	1965	41.8	41.8	41.9	41.6	41.6	41.6	41.6	41.8	41.6	41.8	42.0	42.0	42.0								
1952	38.2	38.3	37.8	36.1	38.8	38.3	38.2	38.3	38.5	38.8	38.6	38.5	1966	42.2	42.3	42.5	42.0	42.2	42.3	41.9	42.0	41.8	41.4	41.2	40.9	41.5								
1953	38.4	38.3	39.0	38.7	37.5	36.6	37.6	38.2	37.3	37.7	38.3	38.5	1967	41.0	40.3	40.2	40.7	40.6	40.5	40.6	41.0	41.2	41.4	41.3	41.2	41.2								
1954	36.2	37.2	37.1	37.6	37.6	37.8	38.1	37.7	37.6	38.4	36.9	37.6	1968	40.0	41.7	41.4	40.6	41.3	41.3	41.4	41.2	41.4	41.3	41.1	41.1	41.2								
1955	37.8	38.2	38.7	37.6	39.0	38.8	38.3	38.7	38.8	39.6	38.6	38.4	1969	40.8	40.3	41.0	40.8	41.0	41.0	41.0	40.9	40.8	40.7	40.9	40.9	40.9								
1956	38.3	37.8	38.8	39.2	38.0	38.8	38.7	38.5	39.2	38.2	39.2	38.9	1970	40.5	40.3	40.1	40.2	39.9	39.9	40.2	39.8	38.9	39.6	39.7	39.7	39.7								
1957	38.9	39.8	39.1	38.1	39.0	38.0	39.3	37.8	37.9	37.1	37.8	38.2	1971	40.6	40.3	40.2	40.3	40.8	40.6	40.4	40.6	40.5	41.0	41.1	41.1	41.1								
1958	39.1	39.1	38.5	39.3	38.7	39.2	39.6	39.1	38.3	38.6	39.6	39.3	1972	41.5	41.3	41.5	41.6	41.2	41.2	41.0	41.2	41.2	41.4	41.6	41.4	41.5								
1959	38.9	39.3	39.2	38.6	38.6	38.5	39.7	39.7	38.8	38.9	38.3	38.8	1973	39.9	41.3	41.4	41.8	41.0	40.9	40.8	40.8	40.7	40.7	40.9	40.9	40.9								
1960	38.7	37.7	36.6	37.3	38.4	38.9	38.0	37.2	38.7	39.3	38.0	38.0	1974	41.0	40.7	40.5	39.3	40.2	40.2	40.3	39.6	39.6	39.7	38.5	38.6	38.6								
1961	38.0	38.5	38.2	39.2	38.4	38.9	38.5	39.6	39.6	39.2	38.7	38.9	1975	36.7	36.3	40.6	40.4	40.4	40.2	40.1	40.2	40.6	40.7	40.5	40.5	40.5								
1962	37.1	39.0	39.1	39.0	38.7	37.8	37.6	37.4	39.6	38.5	39.2	38.8	1976	40.1	40.3	40.6	40.4	40.4	40.2	40.1	40.2	40.6	40.7	40.5	40.5	40.5								
1963	39.2	37.9	38.6	35.4	38.9	39.9	39.3	40.0	37.9	38.3	39.1	38.2	1977	40.3	40.3	40.8	40.9	40.5	40.5	40.2	40.3	40.2	40.6	40.7	40.5	40.5								
1964	37.7	36.8	39.0	40.0	39.6	39.2	39.4	38.5	37.8	39.4	38.4	39.4	1978	40.3	40.3	40.8	40.9	40.5	40.5	40.2	40.3	40.2	40.6	40.7	40.5	40.5								
1965	38.5	38.4	38.2	36.0	37.5	37.4	38.1	37.8	38.1	37.9	37.9	37.9	1947	36.4	36.0	35.9	36.0	35.8	36.0	35.9	35.2	35.5	36.0	36.1	36.6	36.6								
1966	39.1	40.7	39.4	38.6	38.8	38.0	38.1	37.9	39.0	37.9	38.6	39.5	1948	36.3	35.7	35.9	36.6	36.1	35.9	36.1	35.9	35.2	34.0	35.6	35.2	35.2								
1967	38.7	36.4	38.5	39.3	38.5	39.1	38.6	38.9	38.3	39.0	38.8	37.8	1949	34.9	35.2	35.4	34.8	35.5	35.4	35.4	35.2	36.2	35.3	35.4	35.4	35.4								
1968	37.4	38.3	38.2	35.0	37.9	38.6	38.0	38.8	38.5	37.8	37.4	37.1	1950	35.6	35.7	35.4	35.7	35.7	35.8	36.2	37.1	35.1	36.4	36.5	35.9	35.9								
1969	36.9	36.7	36.7	36.7	37.9	39.5	38.0	37.2	37.9	37.3	37.1	36.0	1951	36.6	36.6	36.4	37.1	35.3	35.4	35.4	35.1	34.9	33.7	35.0	35.5	35.5								
1970	37.9	37.6	37.5	37.9	37.1	37.5	38.0	37.3	36.8	38.1	38.1	38.9	1952	35.6	35.6	35.7	35.7	36.5	36.2	36.0	36.5	36.8	36.6	36.8	36.8	36.8								
1971	38.8	36.4	37.9	37.4	38.1	36.8	40.6	38.1	38.3	36.3	37.5	37.7	1953	36.6	36.4	36.8	37.7	36.6	36.5	36.5	35.9	34.5	35.5	35.3	35.4	35.4								
1972	37.3	37.0	37.4	37.0	37.3	37.8	38.5	37.9	37.3	38.1	37.5	38.0	1954	34.7	35.3	35.4	34.8	34.8	35.0	35.1	35.3	35.5	35.5	35.1	35.8	35.8								
1973	36.6	38.0	38.0	38.5	38.1	38.2	37.9	39.3	38.7	39.7	39.0	39.5	1955	36.0	36.0	36.4	36.1	36.4	36.7	36.0	36.1	36.4	36.6	36.7	36.6	36.6								
1974	39.7	39.0	37.7	38.5	39.2	36.9	38.9	38.0	38.5	37.7	37.3	38.0	1956	36.5	36.6	36.1	36.5	35.7	35.5	35.7	35.7	35.6	35.6	35.8	35.9	35.9								
1975	37.9	37.6	38.5	38.3	37.0	39.4	37.1	38.2	38.3	37.8	39.2	38.3	1957	35.9	35.9	36.0	36.0	35.8	35.7	35.7	35.6	35.6	35.6	35.8	35.8	35.8								
1976	39.2	39.0	39.0	38.2	38.1	37.6	36.3	36.3	36.5	37.1	36.4	37.1	1958	35.2	34.6	34.2	34.4	34.7	34.8	35.2	35.4	35.6	35.7	35.6	35.8	35.8								
1977	35.3	38.6	37.5	37.9	37.9	37.8	38.2	38.0	38.3	38.1	38.5	38.0	1959	36.0	36.2	36.6	36.7	36.7	36.6	36.5	36.3	36.2	35.7	35.6	36.3</									

See footnotes at end of tables.

## SEASONALLY ADJUSTED

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED</b>																											
<b>SIC 23—APPAREL AND OTHER TEXTILE PRODUCTS</b>																											
1962		35.1	35.9	36.4	36.7	36.4	36.7	36.3	36.2	36.5	36.0	36.2	36.1	1947		41.3	40.7	40.6	40.4	40.3	40.1	40.1	39.6	39.9	39.9	39.9	39.8
1963		36.1	36.1	36.2	35.7	36.4	36.2	36.1	36.1	36.3	36.3	35.7	36.0	1948		39.9	39.6	39.6	39.5	39.4	39.3	39.3	39.3	39.1	39.0	39.1	39.0
1964		34.5	36.3	36.1	36.2	35.9	36.0	36.1	36.1	34.9	36.1	36.3	36.3	1949		38.8	39.1	38.8	38.6	38.9	38.9	38.9	38.6	38.9	38.7	38.5	38.7
1965		36.5	36.5	36.7	35.8	36.4	36.4	36.5	36.3	36.2	36.3	36.4	36.4	1950		38.8	38.7	38.7	38.8	38.9	38.9	38.8	39.0	38.9	39.1	39.2	39.2
1966		36.3	36.6	36.6	36.4	36.5	36.6	36.4	36.5	35.8	36.7	36.4	36.4	1951		39.2	38.9	39.1	39.1	38.9	39.0	38.9	38.8	38.9	38.7	38.7	38.8
1967		36.5	35.8	35.6	36.0	36.0	35.8	35.9	35.9	36.1	35.9	36.2	36.2	1952		38.9	38.8	38.9	38.6	38.9	39.0	38.9	39.0	39.0	39.2	39.1	39.0
1968		35.0	36.6	36.3	35.1	36.3	36.4	36.1	36.1	36.4	36.4	35.9	36.0	1953		39.0	39.1	39.1	39.2	39.2	39.0	39.0	39.0	38.7	39.1	38.8	38.8
1969		36.2	35.4	36.1	36.0	36.1	36.2	35.9	35.9	35.7	35.8	35.6	36.0	1954		38.7	38.6	38.6	38.4	38.4	38.5	38.6	38.6	38.4	38.4	38.6	38.5
1970		35.7	35.8	35.7	35.5	35.2	35.3	35.4	35.2	34.1	35.0	35.3	35.3	1955		38.5	38.8	38.8	38.8	38.9	39.1	39.0	38.9	39.1	39.1	39.1	39.2
1971		35.4	35.0	35.3	35.2	35.6	35.5	35.8	35.8	35.3	35.8	36.1	35.9	1956		39.1	39.0	39.0	39.1	38.9	38.9	38.9	38.8	38.8	39.1	38.7	38.7
1972		36.0	36.3	36.0	36.2	35.8	35.8	35.9	36.0	36.1	36.3	36.3	35.8	1957		38.7	38.8	38.8	38.8	38.7	38.7	38.6	38.6	38.4	38.1	38.2	38.2
1973		34.7	36.2	36.4	36.2	36.1	36.1	36.0	35.8	35.8	35.7	35.8	35.9	1958		38.1	38.0	38.0	38.1	37.9	37.9	38.0	38.0	38.0	38.2	38.1	38.1
1974		35.4	35.8	35.6	34.6	35.6	34.8	35.4	35.4	35.2	35.3	34.6	34.3	1959		38.4	38.4	38.4	38.5	38.4	38.5	38.4	38.5	38.5	38.7	38.7	38.7
1975		34.2	33.9	33.8	34.4	34.5	35.1	35.2	35.6	36.1	36.2	36.6	36.6	1960		38.7	38.5	38.5	38.4	38.8	38.5	38.6	38.5	38.4	38.5	38.5	37.5
1976		36.8	36.6	36.5	35.5	36.2	35.9	35.9	35.5	35.3	35.3	35.4	35.4	1961		38.3	38.2	38.2	38.3	38.3	38.2	38.2	38.2	38.2	38.3	38.2	38.3
1977		34.4	35.8	35.7	35.4	35.7	35.8	35.5	35.5	35.4	35.6	35.8	35.9	1962		38.3	38.3	38.5	38.6	38.4	38.4	38.3	38.3	38.4	38.0	38.2	38.1
1978		33.7	35.5	36.0	36.3	35.9	35.8							1963		38.2	38.3	38.3	38.2	38.4	38.3	38.3	38.3	38.3	38.3	38.5	38.5
<b>SIC 26—PAPER AND ALLIED PRODUCTS</b>																											
1947		43.3	43.3	43.2	43.6	43.6	43.3	43.2	42.1	42.6	42.8	42.9	43.1	1964		38.3	38.3	38.4	38.7	38.5	38.4	38.4	38.5	38.5	38.6	38.6	38.6
1948		43.0	43.2	43.1	43.1	43.2	43.1	42.7	42.8	42.4	42.5	42.3	42.0	1965		38.6	38.6	38.6	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.8
1949		41.7	41.4	41.1	40.9	40.8	40.9	41.3	41.6	42.3	42.8	42.5	42.3	1966		38.6	38.7	38.7	38.8	38.8	38.9	38.8	38.8	38.9	39.0	38.9	38.7
1950		42.3	42.7	42.7	42.9	42.8	43.2	43.5	43.8	43.7	43.7	43.6	43.9	1967		39.0	38.5	38.6	38.6	38.4	38.3	38.3	38.3	38.2	38.2	38.0	38.0
1951		44.0	43.6	43.8	44.3	43.8	43.3	43.0	42.5	42.5	42.3	42.1	42.3	1970		38.2	38.2	38.0	37.9	37.7	37.8	37.8	37.6	37.4	37.4	37.5	37.5
1952		42.7	42.7	42.7	41.9	42.2	42.7	42.5	42.8	43.1	43.5	43.4	43.5	1971		37.7	37.5	37.5	37.5	37.7	37.6	37.6	37.5	37.4	37.5	37.5	37.5
1953		43.3	43.2	43.4	43.5	43.4	43.2	43.3	43.2	42.4	42.7	42.6	42.3	1972		37.4	37.4	37.5	38.0	37.5	37.7	37.8	37.6	37.9	37.7	37.8	37.5
1954		42.1	42.2	42.2	42.0	42.4	42.5	42.5	42.5	42.2	42.4	42.5	42.3	1973		37.5	37.7	37.8	37.8	37.7	37.6	37.7	37.5	37.8	37.7	37.7	37.7
1955		42.6	42.9	42.9	42.9	43.2	43.0	43.1	43.0	43.2	43.2	43.3	43.3	1974		37.7	37.7	37.7	37.2	37.8	37.6	37.4	37.7	37.4	37.3	37.1	37.0
1956		43.3	43.0	43.1	43.1	42.6	42.7	42.9	42.4	42.6	42.6	42.5	42.7	1975		37.2	37.0	36.8	36.7	36.8	36.8	36.7	37.0	36.8	37.0	37.1	37.4
1957		42.7	42.8	42.5	42.5	42.3	42.2	42.2	42.5	42.5	42.1	41.8	41.7	1976		37.6	37.3	37.3	37.2	37.5	37.4	37.6	37.4	37.5	37.4	37.7	37.7
1958		41.6	41.5	41.6	41.4	41.2	41.7	41.8	42.2	42.2	42.3	42.3	42.2	1977		37.5	37.8	37.7	37.8	37.6	37.7	37.7	37.5	37.9	37.8	37.6	37.6
1959		42.7	42.7	42.9	43.0	43.1	42.8	42.8	42.8	42.7	42.6	42.7	42.5	1978		37.4	37.4	38.0	37.9	37.3	37.5						
1960		42.7	42.4	42.3	42.6	42.4	42.3	42.1	41.9	42.0	41.8	40.8		1961													
1961		41.7	42.0	41.9	42.7	42.3	42.5	42.6	42.7	42.6	42.7	43.1	42.8	1947		41.3	41.5	41.4	41.3	41.3	41.2	41.1	41.1	41.1	41.1	41.2	
1962		42.4	42.5	42.8	42.7	42.6	42.6	42.6	42.7	42.2	42.5	42.6	42.6	1948		41.4	41.2	41.2	41.2	41.2	41.3	41.2	41.2	41.2	41.1	41.0	
1963		42.7	42.6	42.8	42.4	42.6	42.7	42.8	42.9	42.9	42.7	42.7	42.6	1949		40.7	40.8	40.7	40.5	40.5	40.5	40.6	40.5	40.5	41.0	40.9	
1964		42.6	42.9	42.6	42.9	42.8	42.8	42.9	43.0	42.8	42.9	42.4	42.9	1950		41.0	40.9	41.0	41.0	41.1	41.2	41.6	41.4	41.5	41.4	41.4	
1965		43.2	43.1	43.2	42.6	43.1	43.1	43.0	43.0	42.9	43.4	43.4	43.5	1951		41.5	41.4	41.5	41.5	41.5	41.3	41.3	41.0	41.0	41.0	40.9	
1966		43.4	43.5	43.6	43.7	43.8	43.5	43.4	43.4	43.5	43.2	43.3	43.0	1952		41.0	41.0	40.8	40.8	40.7	40.8	40.8	40.8	40.9	41.0	41.1	
1967		43.1	42.8	42.6	42.6	42.7	42.7	42.8	42.8	42.8	42.8	42.9	42.9	1953		41.0	41.0	40.8	40.8	40.7	40.8	40.8	40.8	40.9	41.0	41.1	
1968		42.4	42.9	42.6	41.9	43.0	43.0	43.1	43.1	43.3	43.1	43.0	43.2	1954		40.9	41.0	41.0	41.0	40.9	40.9	40.8	40.8	40.8	40.9	41.1	
1969		43.1	42.5	43.3	43.2	43.1	43.0	43.0	42.8	43.0	42.9	42.7	42.8	1955		40.9	41.0	41.2	41.2	41.2	41.1	41.1	41.0	41.0	40.9	40.9	
1970</																											

**SEASONALLY ADJUSTED**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED</b>																									
SIC 28—CHEMICALS AND ALLIED PRODUCTS																									
1962	41.7	41.6	41.5	41.6	41.7	41.6	41.5	41.5	41.5	41.5	41.4	41.5	1947	40.9	41.2	41.0	40.4	39.2	39.0	38.7	38.9	39.3	39.4	39.8	40.8
1963	41.5	41.4	41.5	41.9	41.5	41.5	41.6	41.6	41.5	41.5	41.5	41.6	1948	39.7	39.2	39.0	38.9	39.0	39.4	39.6	40.3	39.1	38.7	38.6	38.3
1964	41.3	41.5	41.6	41.4	41.5	41.5	41.5	41.5	42.1	41.6	41.6	41.6	1949	38.0	38.2	37.9	37.8	37.8	37.9	38.4	38.4	39.9	38.9	38.4	38.9
1965	41.8	41.8	41.8	42.1	42.0	41.9	41.7	41.8	42.2	41.9	42.0	41.9	1950	39.6	39.7	40.2	40.8	41.3	41.1	41.1	41.9	41.6	41.5	41.5	41.3
1966	42.0	42.1	42.0	42.1	42.1	42.0	42.0	42.1	42.2	42.0	42.0	41.8													
1967	41.7	41.4	41.6	41.3	41.5	41.6	41.6	41.4	41.5	41.7	41.7	41.7	1951	40.6	39.3	40.8	40.8	41.1	41.5	40.9	40.8	40.8	40.0	40.5	40.9
1968	41.6	41.9	41.6	41.6	41.7	41.8	41.8	41.9	41.9	41.8	41.9	41.9	1952	41.1	40.8	41.1	40.2	40.5	40.6	39.7	40.7	41.2	41.2	41.1	41.5
1969	41.8	41.7	41.8	41.7	41.9	41.7	41.8	41.9	41.8	41.7	41.8	41.7	1953	41.3	41.6	42.4	41.6	40.3	40.4	40.7	39.9	39.1	38.9	39.3	38.8
1970	41.9	41.8	41.8	41.3	41.6	41.4	41.5	41.4	41.9	41.3	41.3	41.4	1954	38.9	39.2	39.2	39.3	39.8	39.9	39.5	39.3	39.4	40.3	41.0	41.3
1971	41.5	41.5	41.4	41.7	41.5	41.6	41.5	41.5	42.0	41.5	41.5	41.6	1955	41.6	41.6	41.6	42.4	42.2	42.1	41.5	41.4	41.6	41.8	42.3	40.9
1972	41.7	41.7	41.6	41.6	41.6	41.8	41.6	41.6	41.6	41.7	41.7	41.7	1957	41.0	40.4	40.1	40.4	40.1	39.5	39.8	40.2	40.5	40.8	40.4	40.9
1973	41.6	41.9	41.9	41.8	41.8	41.8	41.8	41.8	41.7	41.9	41.9	41.8	1958	38.5	37.8	38.5	38.1	38.3	38.9	39.0	39.6	40.2	40.1	40.5	40.9
1974	41.8	41.8	41.7	41.8	41.7	41.5	41.6	41.4	41.4	41.2	41.0	1959	41.1	41.6	42.0	41.9	42.1	40.4	42.0	41.7	41.1	41.0	40.3	40.5	
1975	40.8	40.7	40.5	40.5	40.8	40.9	41.0	41.1	41.2	41.3	41.3	41.6	1960	40.9	40.7	40.5	39.2	40.2	40.3	39.9	39.0	39.8	39.5	38.3	
1976	41.7	41.6	41.6	41.6	41.4	41.5	41.3	42.0	41.6	41.6	41.6	41.6													
1977	41.6	41.8	41.8	41.8	41.9	41.8	41.8	41.7	41.7	41.7	41.7	41.7	1961	39.5	39.5	39.5	40.2	40.2	40.3	40.6	40.4	40.6	40.6	41.2	41.2
1978	41.6	41.6	42.1	42.0	41.9	41.9							1962	40.9	40.6	41.0	41.3	41.4	41.7	40.9	40.7	41.0	40.8	40.9	40.7
SIC 29—PETROLEUM AND COAL PRODUCTS																									
1947	40.0	40.8	40.8	40.8	40.7	41.1	40.5	40.9	40.3	39.1	41.3	41.0	1964	40.8	41.0	41.1	41.2	41.5	41.4	41.0	41.7	41.5	41.4	41.1	41.6
1948	40.2	41.2	41.3	40.6	41.1	40.7	40.7	41.6	38.3	40.9	40.5	40.5	1965	42.1	42.3	42.3	41.3	41.8	42.1	42.1	41.9	41.5	42.1	42.3	42.5
1949	41.0	40.2	40.3	40.2	40.5	40.1	40.2	40.3	40.5	40.5	40.0	40.0	1966	42.4	42.4	42.4	42.3	42.3	41.9	41.8	41.9	41.9	41.9	41.4	41.4
1950	40.6	40.1	40.0	40.9	40.3	40.9	41.0	40.6	41.1	41.2	41.2	41.2	1967	41.6	40.9	41.0	41.0	41.2	40.6	42.0	41.8	41.7	41.4	41.4	41.0
1951	40.9	41.0	40.8	41.2	40.6	40.6	41.1	40.5	40.8	40.6	40.7	41.2	1970	40.9	40.9	40.6	40.5	40.0	40.2	40.6	40.5	40.0	39.7	39.4	39.5
1952	40.8	41.2	41.1	40.5	37.0	40.6	40.8	40.8	40.7	40.6	40.8	40.6													
1953	40.6	40.7	40.8	40.5	40.8	40.7	40.7	41.0	40.7	40.7	40.7	40.7	1971	40.1	39.8	40.1	40.1	40.5	40.6	40.4	40.3	40.1	40.4	40.6	40.8
1954	40.5	40.6	40.4	40.3	40.9	41.3	40.4	40.9	40.7	40.7	40.7	40.8	1972	40.7	40.8	40.9	41.3	41.2	41.4	41.0	41.3	41.1	41.3	41.0	41.0
1955	40.8	40.6	40.9	41.0	41.1	41.0	40.6	40.9	40.8	41.6	40.9	41.1	1973	41.1	41.3	41.3	41.5	41.1	40.9	41.0	40.9	41.1	40.9	41.3	41.1
1956	41.3	41.1	41.4	41.1	40.4	40.9	41.1	40.8	41.1	40.9	40.8	41.1	1974	41.0	41.1	40.9	39.5	40.7	40.8	40.6	40.8	40.5	40.6	39.9	39.5
1957	41.0	41.2	41.0	41.1	40.7	40.6	40.8	40.5	40.9	40.7	40.6	40.9	1975	39.7	38.9	38.7	39.5	39.9	40.0	40.2	40.3	40.1	40.2	40.8	40.8
1958	40.3	40.9	41.0	41.1	41.5	40.9	41.1	40.9	40.8	41.0	40.8	40.8	1976	41.0	40.9	41.0	39.8	40.1	39.9	40.6	40.3	40.6	41.0	41.2	41.3
1959	41.0	41.1	41.9	41.0	41.1	40.6	41.1	41.1	41.2	41.2	41.4	41.1	1977	41.0	41.5	41.2	41.4	41.4	41.4	40.6	40.8	40.7	40.8	40.6	40.6
1960	40.5	41.2	41.1	41.1	41.3	41.0	41.1	41.3	41.2	41.3	40.9	41.1	1978	40.2	39.8	40.7	41.3	41.1	41.1						
1961	41.4	40.9	41.2	41.2	41.0	41.4	41.3	41.0	41.0	41.7	41.6	41.1													
1962	41.8	41.4	41.3	41.1	41.5	41.6	41.7	42.0	41.7	41.7	41.9	41.9	1947	38.4	38.1	37.8	39.4	39.9	38.6	37.9	37.4	38.9	39.3	39.2	38.6
1963	41.9	41.4	41.3	42.1	41.7	41.9	41.5	41.5	41.6	41.8	41.8	1948	38.1	37.7	37.0	37.3	37.4	37.3	37.1	37.3	37.4	36.8	36.6	36.6	
1964	41.6	42.3	41.9	41.1	41.8	41.7	41.7	42.0	42.4	41.6	41.7	42.1	1949	36.4	36.6	36.7	36.8	36.7	36.8	36.7	36.5	36.8	36.9	36.0	36.6
1965	41.7	41.7	42.0	42.1	42.2	42.1	42.2	42.6	42.8	42.5	42.3	42.1	1950	36.9	37.0	37.1	36.7	36.9	37.5	37.8	38.5	38.1	38.4	37.7	
1966	42.2	42.5	42.4	42.3	42.5	42.5	42.3	42.0	42.2	42.3	42.4	42.6													
1967	42.0	42.7	42.9	42.6	42.6	42.7	42.9	42.6	42.8	42.8	42.8	42.3	1951	37.9	37.9	37.5	37.3	36.7	36.7	36.7	35.7	36.0	36.0	36.5	37.1
1968	43.0	42.3	42.4	42.8	42.5	42.5	42.7	42.2	42.6	42.4	42.5	42.5	1952	37.6	37.5	37.8	38.1	38.7	38.3	38.2	39.1	38.9	38.4	38.8	38.9
1969	42.0	42.6	43.3	43.0	43.0	42.2	42.9	42.8	42.1	42.4	42.5	42.0	1953	38.5	38.1	38.5	38.8	38.7	38.3	37.7	37.4	36.0	36.7	37.0	37.0
1970	42.6	42.6	42.4	42.2	42.6	42.7	42.8	43.2	43.0	43.2	43.1	43.4	1954	36.9	36.9	37.0	36.6	36.6	36.8	37.1	37.0	36.8	36.4	37.1	37.1
1971	42.8	43.3	42.6	42.7	42.7	42.8	42.9	42.7	42.8	42.8	42.2	42.8	1955	37.2	37.8	37.9	37.6	37.8	37.9	37.3	37.8	38.2	38.4	38.4	38.4
1972	42.8	42.6	42.8	43.2	42.6	42.9	42.3	42.6	42.7	42.7	42.5	42.5	1957	38.2	38.5	37.7	37.6	37.6	37.2	37.5	37.3	37.4	37.3	37.1	37.1
1973	42.6	42.4	42.2	42.4	42.6	41.9	42.7	42.3	42.5	42.1	42.8	42.4	1958	37.2	37.5	37.6	38.0	37.2	37.6	37.6	37.7	37.4	36.8	36.8	
1974	42.3	42.2	42.3	42.1	42.0	42.3	42.0	41.9	42.2	41.8	42.1	41.9	1959	36.5	36.1	35.9	35.1	35.9	36.2	36.7	36.9	37.2	37.6	38.0	38.0
1975	41.0	41.5	41.3	40.7	41.0	40.9	41.0	40.8	41.2	41.3	41.7	41.4	1960	38.3	38.3	38.0	38.4	38.5	38.2	37.8	37.6	37.1	37.5	37.2	
1976	41.9	42.1	42.2	42.1	42.1	42.2	42.2	42.3	42.1	42.1	42.3	42.3													
1977	42.2	42.4	42.7	43.0	42.6	42.7	42.6	42.8	42.6	42.9	42.8	43.4	1961	37.0	37.0	36.9	37.2	37.4	37.4	37.6	37.2	37.0	37.4	38.2	38.0
1978	43.1	42.8	43.3	43.6	42.9	43.4							1961	37.0	37.0	36.9	37.2	37.4	37.4	37.6	37.2	37.0	37.4	38.2	38.0
SIC 30—RUBBER AND MISC. PLASTICS																									

See footnotes at end of tables

## SEASONALLY ADJUSTED

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED</b>																											
<b>SIC 31—LEATHER AND LEATHER PRODUCTS</b>																											
1962		37.9	37.7	38.1	38.4	37.7	37.8	37.9	37.7	37.7	36.9	37.0	36.9	1935		41.3	41.3	41.2	41.4	41.0	41.0	41.6	41.7	42.5	41.9	41.9	42.6
1963		37.1	37.1	37.0	36.7	37.1	37.4	37.4	37.8	38.0	38.4	37.4	38.1	1936		42.5	42.5	42.9	42.8	42.7	42.9	43.1	42.7	42.9	43.0	43.4	43.3
1964		36.9	37.9	37.9	37.7	38.0	38.0	38.0	38.1	37.7	38.0	37.8	38.3	1937		43.0	43.2	43.1	43.0	43.1	43.3	43.3	43.5	43.0	42.9	43.0	42.8
1965		37.9	38.2	38.4	38.3	38.4	38.0	38.1	38.0	38.2	38.2	38.4	38.5	1938		42.8	42.6	42.4	42.7	42.6	42.3	42.3	42.2	42.1	41.9	41.6	41.6
1966		38.5	38.8	38.7	39.1	38.8	38.8	38.5	38.7	38.2	38.4	38.5	38.0	1939		42.1	41.9	42.2	41.7	42.0	41.9	41.6	41.8	41.9	41.6	41.5	
1967		38.4	37.3	37.2	37.6	37.5	37.8	38.4	38.5	38.9	38.6	39.3	38.4	1940		41.2	41.3	41.4	41.5	41.3	41.1	41.2	41.1	41.7	41.1	40.9	41.4
1968		38.0	38.9	38.7	37.9	38.5	38.5	38.1	38.2	38.2	38.6	37.9	37.8	1941		41.1	40.8	40.7	41.2	41.1	41.3	41.1	41.0	41.2	41.2	40.7	41.2
1969		37.7	35.6	37.6	37.4	37.3	37.2	37.0	37.0	37.2	37.2	37.3	37.7	1942		41.4	41.5	41.6	41.4	41.4	41.3	41.5	40.8	41.4	41.6	41.8	41.7
1970		37.8	37.4	37.4	37.1	37.4	37.4	37.5	36.9	36.5	37.1	37.1	37.3	1943		41.8	41.9	41.8	42.0	41.7	42.5	42.6	42.9	42.7	42.5	42.9	42.7
1971		37.3	36.9	37.4	37.9	37.6	37.5	37.8	37.6	37.2	38.0	38.3	38.3	1944		42.9	42.9	42.9	42.7	42.9	43.0	43.0	43.1	43.0	43.0	43.2	
1972		38.5	38.8	38.3	38.9	38.6	38.5	38.5	38.8	38.3	37.7	37.8	36.6	1945		43.1	43.1	43.1	43.4	43.0	42.9	43.3	42.4	42.5	42.5	42.3	41.9
1973		37.6	37.8	37.7	38.0	37.8	38.0	37.8	37.9	38.1	37.8	37.8	37.6	1946		42.1	42.1	42.0	41.8	41.6	41.3	41.3	41.4	41.5	41.4	41.2	41.7
1974		37.6	37.7	37.8	36.9	37.3	37.2	36.8	36.8	36.3	36.4	36.4	35.9	1947		41.2	41.1	40.9	41.2	41.2	41.6	41.0	41.1	41.0	41.1	40.8	
1975		35.7	35.1	34.9	36.3	36.5	37.2	37.6	37.8	38.2	38.6	38.3	38.8	1948		41.0	41.3	41.0	41.0	41.0	41.0	41.0	40.9	40.8	40.9	40.8	
1976		38.9	38.5	38.5	37.4	38.2	36.9	37.2	37.0	36.7	36.7	36.5	36.7	1949		40.9	40.8	40.9	40.8	40.8	40.8	40.9	40.7	40.8	40.6	40.7	
1977		35.7	37.0	36.7	37.2	37.0	37.1	36.8	37.0	37.1	37.2	37.4	37.0	1950		40.7	40.6	40.6	40.4	40.6	40.7	41.0	40.7	40.8	40.8	41.0	
1978		36.5	36.4	37.1	38.1	37.6	37.4							1951		40.9	40.9	40.9	40.9	40.8	40.8	40.8	40.8	40.7	40.8	40.8	
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>																											
1964		41.0	40.7	41.0	41.2	41.1	41.1	41.2	40.9	41.2	41.3	40.9	41.4	1952		40.8	40.7	40.7	40.4	40.6	40.6	40.6	40.7	40.6	40.7	40.6	
1965		41.2	41.3	41.4	41.2	41.2	41.1	41.1	41.2	41.5	41.2	41.5	41.4	1953		40.5	40.8	40.7	40.6	40.5	40.5	40.5	40.4	40.6	40.5	40.4	
1966		40.8	41.4	41.3	41.2	41.1	41.4	41.2	41.5	41.2	41.0	41.2	41.0	1954		40.4	40.5	40.5	40.5	40.6	40.5	40.4	40.5	40.4	40.5	40.6	
1967		40.7	40.9	40.7	39.7	40.7	40.6	40.2	40.7	40.5	40.4	40.5	40.4	1955		40.6	40.6	40.6	40.6	40.8	40.7	40.9	40.7	40.7	40.8	40.6	
1968		40.6	40.2	40.5	40.7	40.8	40.5	40.7	40.8	40.6	40.9	40.7	40.6	1956		40.8	40.6	40.5	40.5	40.4	40.4	40.5	40.6	40.5	40.5	40.5	
1969		40.9	40.8	40.7	40.8	40.7	40.5	40.7	40.5	40.8	40.9	40.6	40.8	1957		40.4	40.5	40.4	40.3	40.3	40.4	40.3	40.5	40.3	40.2	40.1	
1970		40.7	40.7	40.6	40.3	40.4	40.6	40.7	40.3	40.5	40.3	40.4	40.3	1958		40.2	40.2	40.2	39.9	40.2	40.2	40.2	40.3	40.2	40.3		
1971		39.9	40.6	40.5	40.5	39.9	40.5	37.8	40.3	40.5	40.3	40.4	40.6	1959		40.6	40.5	40.6	40.6	40.7	40.6	40.5	40.6	40.5	40.6		
1972		40.1	40.2	40.5	40.3	40.5	40.5	40.2	40.5	40.2	40.4	40.5	40.6	1960		40.5	40.4	40.4	40.5	40.5	40.6	40.5	40.6	40.5	40.5		
1973		40.6	40.6	40.5	40.4	40.7	40.6	40.6	40.4	40.5	40.4	40.4	40.4	1961		40.4	40.4	40.4	40.4	40.4	40.5	40.6	40.4	40.6	40.5		
1974		40.5	40.2	40.1	40.6	40.6	40.4	40.5	40.3	40.2	39.7	39.7	39.7	1962		40.5	40.6	40.7	40.7	40.6	40.6	40.5	40.6	40.6	40.5		
1975		40.2	39.8	39.6	39.7	39.4	39.6	39.6	39.8	39.9	39.6	39.9	39.9	1963		40.6	40.6	40.6	40.6	40.6	40.6	40.5	40.6	40.6	40.5		
1976		39.9	39.8	39.9	39.9	39.8	39.8	39.8	39.9	39.8	39.8	39.8	40.1	1964		40.4	40.6	40.7	40.8	40.7	40.7	40.6	40.5	40.8	40.8		
1977		39.8	40.1	40.1	39.9	40.0	40.0	39.8	39.8	39.8	39.8	39.8	40.2	1965		40.9	40.9	40.9	40.8	40.7	40.7	40.7	40.7	40.5	40.5		
1978		40.0	40.1	40.4	40.0	40.2	40.1							1966		40.6	40.5	40.4	40.4	40.3	40.3	40.2	40.2	40.2	40.1	40.0	
<b>WHOLESALE AND RETAIL TRADE</b>																											
1964		38.0	38.1	38.0	38.1	38.0	38.0	37.9	37.8	37.8	38.0	37.8	37.9	1967		39.6	39.5	39.5	39.4	39.5	39.6	39.3	39.4	39.4	39.4	39.6	
1965		37.9	37.9	37.9	38.1	37.9	37.6	37.6	37.5	37.5	37.6	37.5	37.5	1968		39.4	39.5	39.4	39.5	39.4	39.4	39.4	39.5	39.5	39.4	39.2	
1966		37.4	37.5	37.3	37.3	37.2	37.1	37.2	37.1	37.0	36.9	36.9	36.9	1969		39.4	39.5	39.4	39.5	39.4	39.4	39.4	39.5	39.5	39.4	39.2	
1967		36.8	36.7	36.7	36.6	36.6	36.6	36.6	36.5	36.5	36.4	36.4	36.4	1970		39.3	39.3	39.5	39.2	39.2	39.2	39.3	39.2	39.1	39.4	39.2	
1968		36.3	36.3	36.2	36.2	36.1	36.2	36.2	36.1	36.1	35.9	35.9	35.7	1971		39.1	39.0	39.0	38.8	39.0	38.9	38.9	38.8	38.7	38.6		
1969		35.9	35.7	35.8	35.7	35.8	35.6	35.6	35.7	35.6	35.5	35.5	35.4	1972		38.6	38.6	38.6	38.7	38.7	38.6	38.6	38.7	38.6	38.8		
1970		35.5	35.4	35.4	35.2	35.3	35.3	35.4	35.2	35.2	35.1	35.2	35.1	1973		38.8	38.8	38.7	38.8	38.7	38.7	38.7	38.6	38.5	38.6		
1971		35.1	35.0	35.0	35.1	35.0	35.1	35.1	35.2	35.1	35.2	35.1	35.3	1974		38.6	38.9	38.9	38.9	38.7	38.7	38.7	38.7	38.8	38.8		
1972		35.1	34.9	35.0	35.0	34.9	34.9	34.9	34.8	34.8	34.9	34															

**SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED</b>														<b>AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED</b>													
		SIC 52-59—RETAIL TRADE														TOTAL PRIVATE <b>a</b>											
1969		34.5	34.3	34.3	34.2	34.3	34.2	34.1	34.2	34.1	33.9	33.9	33.8	1964		2.32	2.33	2.33	2.34	2.35	2.35	2.36	2.38	2.38	2.37	2.39	2.44
1970		33.9	33.8	33.8	33.6	33.8	33.8	33.8	33.9	33.7	33.7	33.7	33.7	1965		2.40	2.42	2.43	2.43	2.45	2.45	2.46	2.47	2.47	2.49	2.50	2.56
1971		33.6	33.6	33.6	33.7	33.6	33.6	33.8	33.8	33.7	33.8	33.7	33.9	1966		2.51	2.52	2.53	2.54	2.55	2.56	2.57	2.57	2.59	2.60	2.61	2.6
1972		33.7	33.5	33.6	33.6	33.4	33.5	33.5	33.3	33.3	33.4	33.3	33.3	1967		2.63	2.63	2.64	2.65	2.65	2.67	2.69	2.70	2.70	2.71	2.73	2.74
1973		33.3	33.3	33.3	33.2	33.2	33.2	33.2	33.0	33.1	32.9	33.0	32.9	1968		2.76	2.77	2.79	2.81	2.82	2.84	2.85	2.87	2.89	2.90	2.92	2.94
1974		32.8	32.8	32.8	33.1	32.7	32.7	32.6	32.7	32.7	32.5	32.5	32.5	1969		2.95	2.97	2.98	3.00	3.02	3.04	3.05	3.07	3.08	3.10	3.12	3.13
1975		32.3	32.4	32.4	32.3	32.4	32.3	32.5	32.3	32.3	32.4	32.4	32.4	1970		3.14	3.16	3.18	3.18	3.20	3.22	3.24	3.26	3.27	3.27	3.29	3.31
1976		32.4	32.4	32.2	32.5	32.2	32.1	32.0	31.9	31.9	31.9	31.8	31.8	1971		3.34	3.36	3.39	3.40	3.43	3.44	3.45	3.48	3.48	3.50	3.51	3.54
1977		31.7	31.7	31.7	31.6	31.7	31.5	31.6	31.5	31.5	31.7	31.4	31.4	1972		3.61	3.61	3.64	3.66	3.67	3.67	3.69	3.72	3.74	3.77	3.78	3.81
1978		30.9	30.9	31.2	31.2	31.1	31.0							1973		3.83	3.84	3.86	3.89	3.90	3.92	3.96	3.99	4.01	4.04	4.06	4.08
		FINANCE, INSURANCE, AND REAL ESTATE <b>ay</b>												1974		4.07	4.10	4.12	4.13	4.19	4.24	4.25	4.29	4.33	4.36	4.36	4.40
		37.2	37.4	37.3	37.3	37.3	37.3	37.3	37.3	37.2	37.3	37.1	37.2	1975		4.41	4.42	4.45	4.46	4.49	4.52	4.53	4.57	4.59	4.61	4.66	4.67
1964		37.3	37.3	37.3	37.2	37.2	37.2	37.2	37.2	37.2	37.3	37.3	37.2	1976		4.71	4.73	4.75	4.78	4.82	4.84	4.87	4.91	4.94	4.96	5.01	5.02
1965		37.3	37.3	37.3	37.2	37.2	37.2	37.2	37.2	37.2	37.3	37.3	37.3	1977		5.07	5.10	5.14	5.18	5.20	5.23	5.27	5.27	5.31	5.36	5.39	5.41
1966		37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.2	37.3	37.3	37.3	1978		5.46	5.49	5.54	5.61	5.62	5.66						
		SERVICES														MINING											
1964		36.2	36.0	36.1	36.2	36.1	36.0	36.0	36.0	35.9	36.0	36.0	36.0	1947		1.35	1.37	1.37	1.36	1.38	1.42	1.48	1.54	1.54	1.56	1.58	1.58
1965		36.0	36.0	35.9	35.9	35.9	35.8	35.8	35.8	35.7	35.8	35.8	35.8	1948		1.61	1.61	1.61	1.55	1.64	1.64	1.66	1.72	1.71	1.72	1.71	1.71
1966		35.7	35.7	35.7	35.7	35.7	35.6	35.6	35.6	35.5	35.6	35.6	35.6	1949		1.73	1.72	1.71	1.72	1.73	1.72	1.70	1.68	1.70	1.67	1.74	1.68
1967		36.5	36.6	36.6	36.7	36.5	36.5	36.5	36.5	36.4	36.5	36.4	36.5	1950		1.69	1.63	1.78	1.77	1.76	1.77	1.78	1.76	1.77	1.82	1.79	1.81
1968		36.6	36.6	36.6	36.8	36.5	36.6	36.6	36.6	36.7	36.7	36.5	36.6	1951		1.82	1.92	1.92	1.93	1.93	1.94	1.96	1.94	1.94	1.95	1.96	1.97
1969		37.2	37.2	37.1	37.1	37.1	37.0	36.9	37.1	37.0	37.2	37.0	37.0	1952		1.97	1.96	1.98	1.96	1.97	1.97	1.97	2.01	2.02	2.04	2.08	2.11
1970		36.9	37.0	37.0	36.9	36.7	36.6	36.7	36.7	36.6	36.6	36.5	36.5	1953		2.12	2.12	2.12	2.11	2.13	2.13	2.15	2.18	2.17	2.16	2.16	2.18
1971		36.5	36.6	36.7	36.7	36.7	36.6	36.6	36.6	36.7	36.7	36.5	36.6	1954		2.16	2.14	2.13	2.13	2.14	2.14	2.13	2.15	2.13	2.15	2.13	2.14
1972		36.8	36.6	36.6	36.8	36.5	36.6	36.6	36.6	36.7	36.7	36.4	36.6	1955		2.14	2.15	2.18	2.19	2.19	2.19	2.21	2.21	2.23	2.27	2.24	2.25
1973		36.6	36.5	36.6	36.7	36.5	36.5	36.5	36.5	36.5	36.6	36.4	36.6	1956		2.26	2.27	2.28	2.34	2.33	2.34	2.34	2.34	2.38	2.41	2.41	2.42
1974		36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.4	36.5	36.4	36.5	1957		2.39	2.40	2.40	2.43	2.44	2.47	2.49	2.49	2.50	2.49	2.49	2.49
1975		36.5	36.6	36.6	36.7	36.7	36.7	36.7	36.8	36.6	36.7	36.5	36.6	1958		2.47	2.48	2.48	2.45	2.45	2.47	2.46	2.48	2.48	2.50	2.50	2.50
1976		36.0	36.0	36.1	36.2	36.1	36.0	36.0	36.0	35.9	36.0	36.0	36.0	1959		2.52	2.55	2.55	2.56	2.58	2.57	2.51	2.55	2.53	2.56	2.59	2.61
1977		36.0	36.0	35.9	35.9	35.9	35.8	35.8	35.8	35.7	35.8	35.8	35.8	1960		2.61	2.59	2.62	2.61	2.61	2.60	2.60	2.61	2.58	2.62	2.60	2.61
1978		35.7	35.7	35.7	35.7	35.7	35.5	35.4	35.3	35.4	35.5	35.4	35.4														
		35.3	35.3	35.2	35.2	35.2	35.1	34.9	34.9	35.0	35.0	35.0	34.9	1961		2.61	2.61	2.59	2.62	2.61	2.62	2.66	2.64	2.65	2.67	2.68	2.69
1967		34.8	34.9	34.8	34.7	34.7	34.8	34.8	34.7	34.7	34.6	34.5	34.4	1962		2.69	2.69	2.70	2.70	2.69	2.69	2.70	2.71	2.71	2.71	2.70	2.71
1968		34.8	34.9	34.8	34.7	34.7	34.7	34.8	34.8	34.7	34.7	34.7	34.6	1963		2.72	2.74	2.75	2.74	2.74	2.75	2.75	2.76	2.77	2.75	2.76	2.77
1969		34.7	34.5	34.7	34.6	34.7	34.7	34.8	34.8	34.7	34.7	34.7	34.6	1964		2.77	2.76	2.76	2.77	2.78	2.79	2.81	2.83	2.83	2.85	2.86	2.87
1970		34.5	34.5	34.5	34.4	34.4	34.2	34.3	34.4	34.4	34.3	34.2	34.2	1965		2.86	2.88	2.88	2.89	2.92	2.91	2.92	2.93	2.93	2.96	2.96	2.97
1971		34.1	34.0	33.9	33.9	33.9	33.9	34.1	34.0	33.8	33.9	33.8	33.9	1966		2.97	2.99	3.00	2.94	3.05	3.06	3.07	3.08	3.09	3.11	3.11	3.11
1972		33.8	33.9	33.8	34.1	33.8	33.7	33.8	33.8	33.9	34.1	33.9	33.8	1967		3.14	3.14	3.14	3.17	3.16	3.19	3.23	3.20	3.22	3.21	3.22	3.22
1973		33.8	33.8	33.9	34.0	33.9	34.0	34.0	33.9	33.7	33.6	33.6	33.6	1968		3.29	3.27	3.29	3.31	3.31	3.34	3.36	3.37	3.39	3.32	3.47	3.45
1974		33.6	33.7	33.7	33.6	33.8	33.7	33.6	33.7	33.6	33.5	33.5	33.5	1969		3.49	3.52	3.54	3.55	3.58	3.57	3.62	3.63	3.65	3.71	3.74	3.76
1975		33.6	33.6	33.6	33.5	33.6	33.5	33.5	33.6	33.5	33.6	33.5	33.5	1970		3.73	3.75	3.79	3.78	3.81	3.84	3.85	3.87	3.90	3.94	3.95	3.96
1976		33.6	33.6	33.4	33.4	33.4	33.2	33.2	33.2	33.2	33.1	33.1	33.1														
1977		33.0	33.1	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	1971		3.95	3.99	4.01	4.04	4.06	4.07	4.09	4.14	4.16	4.16	4.16	4.21
1978		33.0	32.9	33.0	33.0	32.9	32.8							1972		4.33	4.35	4.37	4.39	4.39	4.43	4.44	4.48	4.47	4.48	4.51	4.51
		33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	1973		4.61	4.60	4.61	4.67	4.68	4.72	4.77	4.77	4.82	4.84	4.91	4.91
		33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	1974		4.98	5.01	5.05	5.13	5.19	5.23	5.28	5.36	5.44	5.45	5.45	5.46
		33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	1975		5.68	5.78	5.80	5.79	5.88	5.95	5.96	6.04</				

See footnotes at end of tables.

**SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED</b>														<b>AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED</b>													
		CONSTRUCTION														MANUFACTURING											
1947	1.45	1.45	1.46	1.49	1.51	1.53	1.54	1.56	1.57	1.59	1.61	1.62	1962	2.37	2.37	2.38	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.41	2.41	2.42	
1948	1.63	1.66	1.65	1.67	1.68	1.71	1.72	1.73	1.74	1.74	1.75	1.77	1963	2.42	2.43	2.44	2.44	2.45	2.46	2.46	2.46	2.47	2.47	2.47	2.49	2.50	
1949	1.77	1.78	1.78	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.81	1964	2.50	2.50	2.51	2.51	2.52	2.53	2.54	2.55	2.56	2.56	2.53	2.55	2.57	
1950	1.81	1.82	1.82	1.83	1.84	1.84	1.85	1.85	1.89	1.90	1.90	1.93	1965	2.57	2.58	2.59	2.59	2.60	2.61	2.62	2.63	2.63	2.65	2.65	2.65	2.65	
													1966	2.66	2.67	2.68	2.70	2.70	2.71	2.72	2.73	2.75	2.75	2.76	2.76	2.76	
1951	1.95	1.97	1.98	2.00	2.01	2.03	2.04	2.04	2.05	2.05	2.07	2.07	1967	2.77	2.78	2.79	2.80	2.81	2.82	2.83	2.85	2.84	2.85	2.88	2.88	2.90	
1952	2.08	2.09	2.10	2.11	2.09	2.09	2.13	2.15	2.17	2.19	2.20	2.21	1968	2.93	2.93	2.96	2.97	2.99	3.00	3.01	3.02	3.05	3.06	3.08	3.10	3.10	
1953	2.21	2.21	2.24	2.25	2.26	2.26	2.29	2.30	2.32	2.33	2.34	2.35	1969	3.11	3.12	3.13	3.15	3.16	3.18	3.20	3.23	3.23	3.26	3.26	3.27	3.27	
1954	2.36	2.36	2.36	2.37	2.39	2.38	2.38	2.39	2.40	2.40	2.40	2.42	1970	3.28	3.29	3.31	3.32	3.34	3.36	3.38	3.39	3.42	3.38	3.39	3.44	3.44	
1955	2.41	2.41	2.41	2.43	2.43	2.44	2.46	2.46	2.46	2.47	2.48	2.49															
1956	2.49	2.51	2.53	2.53	2.54	2.56	2.57	2.59	2.59	2.61	2.62	2.63	1971	3.47	3.51	3.52	3.53	3.55	3.57	3.58	3.59	3.59	3.60	3.60	3.66	3.66	
1957	2.65	2.65	2.66	2.68	2.71	2.72	2.72	2.73	2.75	2.75	2.76	2.77	1972	3.71	3.73	3.75	3.78	3.79	3.80	3.81	3.85	3.87	3.89	3.91	3.95	3.95	
1958	2.78	2.80	2.81	2.80	2.81	2.83	2.83	2.84	2.84	2.84	2.88	2.88	1973	3.98	3.99	4.00	4.03	4.05	4.06	4.10	4.12	4.14	4.17	4.19	4.21	4.21	
1959	2.87	2.88	2.87	2.89	2.91	2.92	2.93	2.94	2.96	2.98	2.99	2.98	1974	4.22	4.24	4.26	4.27	4.36	4.41	4.45	4.50	4.54	4.59	4.61	4.64	4.64	
1960	3.00	3.02	3.10	3.04	3.06	3.06	3.08	3.10	3.09	3.11	3.11	3.13	1975	4.65	4.70	4.74	4.76	4.78	4.81	4.83	4.87	4.90	4.92	4.96	4.99	4.99	
													1976	5.01	5.07	5.10	5.11	5.16	5.19	5.23	5.28	5.32	5.32	5.38	5.42	5.42	
1961	3.14	3.14	3.15	3.18	3.19	3.21	3.19	3.20	3.22	3.22	3.25	3.26	1977	5.47	5.49	5.53	5.58	5.61	5.66	5.70	5.72	5.77	5.82	5.85	5.88	5.88	
1962	3.30	3.21	3.28	3.31	3.28	3.29	3.32	3.32	3.33	3.33	3.35	3.37	1978	5.93	5.98	6.01	6.05	6.08	6.12								
1963	3.37	3.37	3.38	3.35	3.38	3.40	3.41	3.43	3.43	3.45	3.43	3.49															
1964	3.52	3.50	3.52	3.55	3.53	3.53	3.56	3.57	3.57	3.60	3.58	3.60															
1965	3.58	3.66	3.67	3.65	3.69	3.71	3.68	3.71	3.72	3.75	3.75	3.75	1964	2.84	2.83	2.85	2.86	2.87	2.87	2.88	2.91	2.90	2.91	2.93	2.95	2.95	
1966	3.74	3.80	3.81	3.85	3.87	3.89	3.89	3.92	3.95	3.94	3.97	3.97	1965	2.97	2.99	3.02	3.01	3.02	3.02	3.03	3.04	3.05	3.06	3.07	3.07	3.07	
1967	4.01	4.00	4.02	4.04	4.06	4.09	4.13	4.14	4.17	4.19	4.21	4.24	1966	3.08	3.09	3.10	3.10	3.11	3.10	3.07	3.06	3.13	3.14	3.15	3.17	3.17	
1968	4.33	4.27	4.32	4.33	4.36	4.37	4.42	4.42	4.45	4.48	4.53	4.53	1967	3.18	3.19	3.20	3.20	3.21	3.23	3.25	3.23	3.25	3.28	3.30	3.30	3.30	
1969	4.56	4.56	4.65	4.69	4.73	4.79	4.80	4.83	4.88	4.92	4.95	5.00	1968	3.32	3.32	3.35	3.38	3.39	3.42	3.43	3.45	3.48	3.49	3.50	3.52	3.52	
1970	5.04	5.07	5.11	5.16	5.14	5.21	5.26	5.34	5.32	5.37	5.40	5.40	1969	3.52	3.55	3.56	3.59	3.62	3.63	3.64	3.67	3.68	3.69	3.72	3.72	3.72	
													1970	3.73	3.75	3.77	3.76	3.81	3.85	3.87	3.89	3.91	3.93	3.95	3.99	3.99	
1971	5.48	5.52	5.54	5.58	5.64	5.68	5.70	5.74	5.77	5.80	5.82	5.84															
1972	5.91	5.93	5.96	6.00	6.03	6.02	6.03	6.07	6.10	6.17	6.21	6.27	1971	4.05	4.09	4.11	4.11	4.16	4.18	4.23	4.24	4.29	4.30	4.31	4.41	4.41	
1973	6.37	6.29	6.31	6.33	6.34	6.35	6.39	6.40	6.46	6.50	6.54	6.56	1972	4.48	4.50	4.54	4.59	4.61	4.62	4.68	4.70	4.71	4.77	4.79	4.83	4.83	
1974	6.55	6.60	6.62	6.65	6.69	6.76	6.76	6.92	6.99	7.00	7.04	7.09	1973	4.85	4.88	4.90	4.97	4.97	5.01	5.03	5.09	5.11	5.12	5.14	5.17	5.17	
1975	7.12	7.10	7.29	7.26	7.27	7.36	7.36	7.35	7.36	7.33	7.40	7.43	1974	5.20	5.24	5.27	5.31	5.33	5.39	5.43	5.41	5.52	5.59	5.59	5.64	5.64	
1976	7.44	7.46	7.53	7.60	7.68	7.66	7.74	7.78	7.79	7.87	7.87	7.89	1975	5.65	5.68	5.73	5.73	5.78	5.84	5.86	5.99	6.02	6.07	6.14	6.13	6.13	
1977	7.99	7.97	8.01	8.03	8.03	8.09	8.08	8.11	8.15	8.19	8.20	8.24	1976	6.20	6.26	6.31	6.34	6.39	6.45	6.48	6.51	6.55	6.57	6.62	6.65	6.65	
1978	8.30	8.35	8.47	8.47	8.59	8.65							1977	6.71	6.76	6.79	6.89	6.94	6.95	7.03	6.99	7.08	7.16	7.21	7.28	7.28	
													1978	7.34	7.38	7.40	7.49	7.50	7.52								
		MANUFACTURING														WHOLESALE AND RETAIL TRADE											
1947	1.15	1.16	1.17	1.18	1.20	1.22	1.22	1.23	1.24	1.25	1.26	1.27	1964	1.93	1.93	1.93	1.95	1.95	1.95	1.96	1.97	1.98	1.97	1.99	1.98	1.98	
1948	1.28	1.28	1.29	1.29	1.30	1.31	1.33	1.36	1.36	1.36	1.37	1.37	1965	1.99	2.00	2.00	2.01	2.02	2.02	2.04	2.05	2.05	2.07	2.07	2.07	2.07	
1949	1.38	1.37	1.37	1.37	1.37	1.38	1.38	1.38	1.38	1.36	1.36	1.38	1966	2.08	2.09	2.09	2.11	2.11	2.13	2.14	2.14	2.15	2.17	2.18	2.18	2.18	
1950	1.38	1.39	1.40	1.41	1.41	1.42	1.43	1.44	1.45	1.47	1.48	1.51	1967	2.19	2.20	2.21	2.23	2.22	2.24	2.25	2.26	2.27	2.28	2.29	2.30	2.30	
1951	1.52	1.53	1.54	1.55	1.56	1.57	1.57	1.57	1.58	1.58	1.60	1.60	1968	2.32	2.35	2.35	2.37	2.38	2.40	2.41	2.42	2.43	2.44	2.46	2.48	2.48	
1952	1.60	1.62	1.63	1.63	1.63	1.63	1.62	1.65	1.67	1.68	1.69	1.69	1969	2.47	2.49	2.50	2.51	2.53	2.55	2.56	2.57	2.59	2.61	2.63	2.64	2.64	
1953	1.70	1.72	1.73	1.73	1.73	1.74	1.75	1.76	1.76	1.76	1.76	1.76	1970	2.64	2.65	2.67	2.67	2.68	2.69	2.71	2.74	2.75	2.75	2.76	2.76	2.76	
1954	1.77	1.77	1.77	1.78	1.78	1.77	1.77	1.78	1.78	1.78	1.80	1.80															
1955	1.81	1.82	1.82	1.84	1.84	1.84	1.86	1.87	1.88	1.88	1.90	1.89	1971	2.79	2.80	2.82	2.83	2.85	2.86	2.87	2.89	2.89	2.90	2.91	2.93	2.93	
1956	1.90	1.90	1.92	1.94	1.94	1.95	1.94	1.97	1.98	2.00	2.00	2.01	1972	2.99	3.01	3.02	3.02	3.03	3.06	3.07	3.09	3.10	3.11	3.14	3.14	3.14	
1957	2.01	2.02	2.03	2.03	2.04	2.04	2.05	2.06	2.06	2.07	2.08	2.07	1973	3.13	3.15	3.17	3.19	3.20	3.22	3.24	3.25	3.27	3.29	3.30	3.33	3.33	
1958	2.07	2.08	2.08	2.09	2.09	2.10	2.10	2.12	2.12	2.12	2.15	2.16	1974	3.34	3.36	3.											

See footnotes at end of tables.

## **SEASONALLY ADJUSTED**

See footnotes at end of tables.

## SEASONALLY ADJUSTED

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
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**GROSS AND SPENDABLE EARNINGS OF PRODUCTION OR  
NONSUPERVISORY WORKERS ON TOTAL PRIVATE  
NONAGRICULTURAL PAYROLLS, IN CURRENT AND 1967 DOLLARS,  
SEASONALLY ADJUSTED**

1970

1971

1972

1973

1974

1975

1976

1977

1978

1964

1965

1966

1967

1968

1969

1970

1971

1972

1973

1974

1975

1976

1977

1978

DATA WILL APPEAR IN THE  
NOVEMBER ISSUE

**AVERAGE WEEKLY OVERTIME HOURS OF PRODUCTION WORKERS  
ON MANUFACTURING PAYROLLS, SEASONALLY ADJUSTED**

	MANUFACTURING											
1956	3.1	2.9	2.7	2.8	2.7	2.6	2.6	2.5	2.7	2.8	2.7	2.9
1957	2.8	2.6	2.6	2.5	2.3	2.4	2.4	2.2	2.1	2.1	2.1	1.9
1958	1.8	1.8	1.7	1.7	1.8	1.9	1.9	2.1	2.2	2.2	2.4	2.5
1959	2.5	2.6	2.8	2.8	2.9	2.9	2.8	2.8	2.7	2.7	2.4	2.6
1960	3.0	2.8	2.7	2.4	2.5	2.4	2.4	2.3	2.3	2.4	2.1	2.0

1961	2.1	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.6	2.7	2.8
1962	2.8	2.7	2.8	2.9	2.9	2.9	2.8	2.6	2.8	2.7	2.7	2.8
1963	2.7	2.8	2.8	2.6	2.8	2.9	2.9	2.9	2.9	2.9	2.9	3.0
1964	2.9	2.9	2.9	3.1	3.1	3.1	3.1	3.3	3.2	3.1	3.1	3.4
1965	3.5	3.6	3.7	3.4	3.6	3.6	3.6	3.5	3.5	3.7	3.8	3.8
1966	3.9	4.1	4.1	4.1	4.0	3.9	4.0	3.9	3.9	3.9	3.8	3.6
1967	3.6	3.4	3.3	3.3	3.3	3.2	3.3	3.4	3.5	3.4	3.3	3.4
1968	3.4	3.5	3.5	3.1	3.6	3.6	3.6	3.5	3.6	3.7	3.8	3.7
1969	3.7	3.6	3.6	3.7	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5
1970	3.4	3.2	3.2	3.0	3.0	3.1	3.0	2.9	2.7	2.7	2.6	2.7

1971	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0
1972	3.1	3.2	3.3	3.6	3.4	3.5	3.4	3.5	3.5	3.6	3.7	3.7
1973	3.9	4.0	3.8	4.1	3.9	3.8	3.8	3.7	3.8	3.8	3.9	3.7
1974	3.6	3.5	3.5	2.9	3.4	3.4	3.4	3.3	3.2	3.2	2.8	2.7
1975	2.5	2.4	2.4	2.3	2.3	2.4	2.6	2.6	2.8	2.8	2.9	3.0
1976	3.1	3.1	3.2	2.6	3.2	3.2	3.2	3.1	3.1	3.1	3.2	3.3
1977	3.3	3.3	3.4	3.5	3.4	3.5	3.5	3.4	3.4	3.5	3.5	3.6
1978	3.5	3.7	3.7	3.8	3.5	3.6						

## SIC 24,25,32-39—DURABLE GOODS

1956	3.3	3.1	3.0	3.1	3.0	2.8	2.8	2.7	3.0	3.0	3.0	3.2
1957	3.1	2.9	2.8	2.6	2.3	2.4	2.4	2.2	2.1	2.0	2.0	1.7
1958	1.6	1.6	1.5	1.5	1.6	1.7	1.8	2.0	2.1	2.1	2.3	2.5
1959	2.5	2.6	2.8	2.9	2.9	3.0	2.9	2.9	2.7	2.7	2.3	2.6
1960	3.1	2.9	2.7	2.3	2.5	2.4	2.4	2.3	2.3	2.4	2.0	1.9

1961	2.0	2.0	1.9	2.1	2.2	2.2	2.4	2.4	2.5	2.6	2.7	2.8
1962	2.8	2.7	2.9	2.9	2.9	2.9	2.7	2.9	2.8	2.8	2.8	2.9
1963	2.8	2.8	2.9	2.6	2.9	3.1	3.0	3.0	3.0	3.1	3.0	3.1
1964	3.1	3.0	3.0	3.3	3.2	3.3	3.3	3.5	3.4	3.2	3.3	3.7
1965	3.8	4.0	4.0	3.7	3.9	3.9	3.9	3.8	3.7	4.0	4.1	4.1
1966	4.3	4.5	4.5	4.6	4.4	4.3	4.3	4.3	4.2	4.2	4.1	3.8
1967	3.8	3.6	3.5	3.4	3.4	3.3	3.5	3.5	3.6	3.5	3.4	3.6
1968	3.6	3.6	3.6	3.2	3.9	3.8	3.8	3.7	3.8	4.0	4.1	3.9
1969	3.9	3.8	3.8	3.9	3.8	3.8	3.8	3.8	3.8	3.7	3.6	3.6
1970	3.4	3.2	3.2	3.0	3.0	3.1	3.0	2.9	2.7	2.7	2.5	2.6

1971	2.7	2.8	2.8	2.8	2.9	2.9	2.8	2.8	2.7	2.8	2.9	3.0
1972	3.1	3.2	3.3	3.7	3.5	3.6	3.5	3.6	3.7	3.8	4.0	4.0
1973	4.2	4.4	4.0	4.5	4.2	4.1	4.1	3.9	4.0	4.0	4.1	3.9
1974	3.8	3.7	3.7	2.9	3.6	3.5	3.5	3.5	3.4	3.4	3.0	2.8
1975	2.6	2.5	2.4	2.3	2.2	2.3	2.5	2.6	2.7	2.7	2.7	2.9
1976	3.1	3.1	3.2	2.5	3.3	3.3	3.3	3.2	3.2	3.2	3.3	3.4
1977	3.5	3.5	3.5	3.6	3.6	3.7	3.7	3.6	3.6	3.8	3.8	3.8
1978	3.7	4.0	3.9	4.0	3.7	3.7						

See footnotes at end of tables.

**SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>AVERAGE WEEKLY OVERTIME HOURS OF PRODUCTION WORKERS ON MANUFACTURING PAYROLLS, SEASONALLY ADJUSTED</b>																											
SIC 20-23,26-31—NONDURABLE GOODS																											
1956		2.8	2.6	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.5	2.4	2.5	1952		5.4	5.2	5.0	4.8	4.9	5.0	5.2	6.3	5.7	5.8	5.5	5.8
1957		2.4	2.3	2.3	2.3	2.2	2.3	2.3	2.3	2.2	2.2	2.2	2.1	1953		5.7	5.8	5.7	5.6	5.2	5.0	4.8	4.6	4.1	3.7	3.4	3.5
1958		2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.3	2.4	2.5	2.6	1954		3.5	3.3	3.5	3.2	3.3	3.7	3.7	3.4	3.6	4.1	4.3	4.2
1959		2.6	2.7	2.7	2.8	2.7	2.7	2.7	2.8	2.7	2.7	2.6	2.7	1955		4.1	4.3	4.6	4.7	4.5	4.3	4.2	4.5	4.5	4.5	4.5	4.5
1960		2.8	2.7	2.6	2.5	2.6	2.5	2.5	2.4	2.3	2.4	2.2	2.2	1956		4.2	4.2	4.1	4.3	4.1	4.1	3.9	3.9	4.3	4.6	4.2	4.2
1961		2.3	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.5	2.7	2.7	2.7	1957		4.1	3.9	3.8	3.6	3.6	3.8	3.8	3.3	3.2	3.3	3.1	2.8
1962		2.7	2.7	2.8	2.9	2.8	2.7	2.5	2.6	2.5	2.6	2.6	2.6	1958		3.1	3.0	3.1	3.2	3.6	3.8	3.9	4.1	3.9	3.9	3.9	4.0
1963		2.6	2.7	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	1959bq		4.2	4.4	4.6	4.4	4.3	4.1	4.0	4.1	4.0	3.8	4.1	5.4
1964		2.7	2.8	2.9	2.9	2.8	2.9	3.0	2.9	2.9	2.9	2.9	3.1	1960		4.4	4.0	3.7	3.7	3.7	3.8	3.6	3.8	3.5	3.6	3.6	
1965		3.1	3.1	3.2	2.9	3.2	3.1	3.1	3.2	3.2	3.3	3.3	3.4	1961		3.7	3.7	4.3	4.2	4.2	4.1	4.1	4.1	3.8	4.2	4.2	4.2
1966		3.4	3.5	3.5	3.5	3.5	3.4	3.5	3.4	3.4	3.4	3.3	3.2	1962		4.3	4.3	4.2	4.1	4.2	4.1	4.2	4.0	3.8	3.8	3.8	
1967		3.2	3.1	3.1	3.1	3.1	3.1	3.2	3.3	3.2	3.2	3.2	3.2	1963		3.8	3.9	3.9	3.9	3.8	3.9	3.9	3.8	3.9	3.7	3.8	
1968		3.2	3.3	3.3	2.9	3.3	3.4	3.3	3.4	3.3	3.4	3.4	3.4	1964		3.8	3.9	3.9	4.0	4.0	3.9	4.1	4.1	3.9	4.0		
1969		3.5	3.2	3.4	3.4	3.4	3.3	3.4	3.3	3.3	3.3	3.3	3.3	1965		4.1	4.2	4.3	4.1	4.1	4.2	4.2	4.3	4.5	4.4	4.7	
1970		3.3	3.2	3.2	3.0	3.0	2.9	2.9	2.8	2.8	2.8	2.8	2.8	1966		4.9	5.0	5.3	5.1	5.0	4.9	4.9	5.0	5.0	4.9	4.7	
1971		2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0	1967		4.5	4.4	4.3	4.3	4.4	4.5	4.4	4.3	4.4	4.4	4.6	
1972		3.2	3.2	3.3	3.5	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.4	1968		4.4	4.4	4.6	4.6	4.6	4.5	4.5	4.6	4.6	4.5	4.6	
1973		3.4	3.4	3.5	3.6	3.4	3.3	3.4	3.4	3.4	3.5	3.5	3.5	1969		4.9	4.8	4.9	4.9	4.7	5.0	4.7	4.5	4.7	4.6		
1974		3.4	3.3	3.3	2.8	3.2	3.2	3.2	3.1	2.9	2.8	2.6	2.5	1970		4.4	4.4	4.0	4.0	4.1	4.1	4.1	3.9	3.8	3.7	3.8	
1975		2.4	2.3	2.4	2.5	2.6	2.8	3.0	3.0	3.0	3.1	3.2	3.2	1971		3.8	3.7	3.7	3.8	3.8	3.8	3.8	4.0	4.0	4.2		
1976		3.2	3.2	3.2	2.7	3.1	3.0	3.0	2.9	3.0	3.0	3.1	3.1	1972		4.3	4.3	4.4	4.4	4.4	4.3	4.3	4.5	4.6	4.7		
1977		3.1	3.1	3.2	3.3	3.2	3.1	3.1	3.1	3.1	3.2	3.2	3.3	1973		5.0	5.2	5.1	4.9	4.8	4.7	4.6	4.6	4.8	5.0		
1978		3.2	3.3	3.3	3.4	3.2	3.1							1974		4.7	4.6	4.5	4.7	4.5	4.3	4.2	4.1	4.0	3.8		
<b>LABOR TURNOVER RATES IN MANUFACTURING, SEASONALLY ADJUSTED</b>																											
ACCESSIONS PER 100 EMPLOYEES																											
1930		4.3	5.3	4.8	4.5	4.2	4.0	2.9	3.2	3.1	3.3	2.9	2.9	1951		5.1	4.9	4.9	4.7	4.4	4.0	3.7	3.5	3.3	3.6	3.8	3.7
1931		3.4	3.9	4.3	3.7	3.6	3.2	3.6	3.0	3.5	3.6	4.8	4.5	1952		4.1	4.0	3.7	3.6	3.8	3.8	4.1	4.4	4.5	4.6	4.8	
1932		4.8	3.7	3.2	3.6	3.2	3.6	3.6	4.6	5.1	4.7	4.1	4.3	1953		4.6	4.6	4.6	4.5	4.1	4.0	3.9	3.5	3.0	2.6	2.2	
1933		3.7	3.6	2.6	6.1	8.9	13.4	10.1	9.0	5.7	4.9	4.8	4.9	1954		2.0	1.8	1.9	1.7	1.7	1.8	1.9	1.8	1.9	2.0	2.3	
1934		6.0	9.5	7.6	6.4	5.3	4.9	4.2	3.6	3.8	4.8	5.8	8.4	1955		2.4	2.6	3.0	3.0	3.0	2.9	3.0	3.1	3.1	3.3	3.3	
1935		6.8	5.8	4.7	4.4	4.0	4.3	4.6	4.6	5.2	5.3	5.8	4.8	1956		3.0	2.9	2.7	2.8	2.8	2.7	2.5	2.6	2.7	2.8	3.0	
1936		4.1	3.9	4.8	5.6	5.8	5.7	5.7	5.2	5.3	5.4	5.8	6.1	1957		2.7	2.5	2.5	2.3	2.3	2.4	2.4	2.1	1.9	1.6		
1937		5.4	6.3	5.6	5.3	5.0	4.5	4.0	3.6	3.9	3.1	2.2	3.1	1958		1.4	1.4	1.4	1.4	1.5	1.6	1.8	1.9	1.9	2.0		
1938		4.5	4.2	3.9	3.6	3.8	4.1	5.7	5.4	4.7	5.6	5.1	4.9	1959		2.5	2.7	2.9	2.8	2.8	2.6	2.6	2.6	2.4	2.4		
1939		4.8	4.3	4.1	4.3	4.6	4.8	5.2	5.6	6.6	6.4	5.0	4.5	1960		2.8	2.7	2.4	2.3	2.2	2.1	2.1	2.0	1.9	1.8		
1940		4.3	4.0	3.9	4.1	4.5	5.6	5.3	7.1	6.5	5.9	6.0	6.3	1961		1.8	1.8	1.9	2.0	2.0	2.1	2.2	2.3	2.5	2.5		
1941		6.5	6.9	7.3	8.0	7.9	7.0	6.7	6.2	5.4	5.4	5.1	7.1	1962		2.6	2.7	2.6	2.6	2.7	2.6	2.6	2.4	2.3	2.3		
1942		8.2	8.3	8.9	9.2	9.5	9.0	9.5	9.0	9.9	10.1	10.0	10.2	1963		2.3	2.3	2.4	2.4	2.4	2.4	2.5	2.4	2.3	2.5		
1943ah		10.0	10.8	10.2	9.8	9.1	9.2	9.2	8.7	8.4	8.4	7.9	7.7	1964		2.4	2.4	2.5	2.6	2.5	2.5	2.7	2.7	2.7	2.7		
1944		7.4	7.1	7.3	7.4	7.9	8.6	7.4	7.1	6.9	6.6	7.1	7.9	1965		2.9	3.0	3.1	2.8	2.9	3.0	3.0	3.1	3.3	3.5		
1945		7.7	6.8	6.4	6.3	6.5	6.8	6.8	6.6	8.2	9.0	10.4	10.5	1966		3.7	3.8	4.1	4.0	4.0	3.9	3.8	3.7	3.9	3.6		
1946		9.6	9.3	9.6	8.9	8.1	7.7	8.5	7.9	7.5	7.2	7.0	6.6	1967		3.4	3.4	3.2	3.1	3.3	3.2	3.3	3.3</td				

## **SEASONALLY ADJUSTED**

See footnotes at end of tables.

### **SEASONALLY ADJUSTED**

See footnotes at end of tables.

**SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>INDEXES OF AGGREGATE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1967 = 100</b>																											
	GOODS-PRODUCING														CONSTRUCTION												
1972	98.4	98.7	99.4	100.2	100.2	100.7	100.0	100.8	101.4	102.6	103.0	102.4	1955	83.5	83.5	89.0	87.6	90.5	89.6	91.5	89.4	91.2	88.5	88.4	90.5		
1973	103.4	105.5	106.1	106.4	106.4	106.7	106.7	106.4	106.7	106.9	108.2	107.9	1956	90.4	93.3	90.8	94.3	95.3	100.2	96.7	97.5	97.9	97.4	97.5	97.8		
1974	106.7	107.1	106.3	103.4	105.5	105.1	104.3	103.9	103.2	102.3	98.9	96.4	1957	89.8	98.5	96.8	94.7	93.3	93.5	92.4	91.9	91.0	90.3	87.4	88.4		
1975	93.9	90.3	88.4	88.7	89.1	88.9	89.3	91.2	92.2	92.6	93.0	94.4	1958	89.5	78.4	85.0	84.3	85.6	83.4	83.9	85.7	87.3	89.3	91.5	87.2		
1976	96.1	95.9	95.7	95.1	96.4	96.1	96.3	95.5	95.7	95.7	96.8	96.7	1959	90.7	87.4	90.9	95.0	94.4	94.9	93.1	93.9	90.1	89.2	90.2	96.2		
1977	95.4	98.3	99.5	100.4	100.8	101.3	100.9	100.2	100.7	101.2	102.0	101.6	1960	89.1	91.7	81.9	90.9	89.8	89.8	90.8	89.0	89.0	89.0	86.8	82.8		
1978	99.3	100.9	103.6	106.0	105.1	106.3																					
	MINING														1961	87.1	87.3	86.2	83.4	83.8	87.1	86.3	87.4	86.7	88.2	88.2	86.7
1947	183.3	182.0	182.0	162.9	178.6	185.7	171.3	177.1	177.7	177.3	176.9	177.8	1962	78.4	87.5	86.9	90.1	91.6	88.0	91.4	91.4	92.6	91.3	91.1	87.2		
1948	181.7	181.5	186.3	143.1	182.5	186.6	178.5	188.7	181.5	181.2	176.4	176.6	1963	88.2	86.5	88.0	92.7	93.0	93.7	93.8	94.1	94.5	95.2	93.0	90.8		
1949	176.8	175.2	169.1	175.7	169.3	151.2	150.1	139.7	143.0	98.7	149.7	130.7	1964	83.2	95.8	93.8	94.3	95.3	95.8	94.6	95.6	91.5	95.9	98.9	99.7		
1950	123.7	93.3	171.2	165.2	156.6	160.6	168.0	163.6	165.3	164.7	162.6	163.0	1965	98.5	98.7	98.2	95.8	100.5	99.2	98.1	99.9	96.1	100.4	101.3	106.0		
1951	163.3	160.0	156.9	157.4	156.8	161.4	163.3	160.2	164.2	163.9	163.5	164.0	1966	104.7	105.0	108.0	103.6	100.0	103.5	104.3	101.3	100.1	100.1	99.2	101.9		
1952	166.6	163.8	164.8	155.0	156.4	137.7	133.7	156.7	163.9	149.4	155.3	153.4	1967	103.3	97.9	97.8	98.1	97.3	98.3	100.6	100.1	100.9	99.6	105.2	98.8		
1953	151.0	149.1	148.7	148.5	151.4	153.5	152.0	151.7	148.3	147.3	143.2	140.1	1970	107.0	112.3	111.4	111.2	108.9	108.2	108.0	107.3	105.4	106.7	110.8			
1954	138.8	138.4	133.2	132.0	131.1	133.0	131.1	130.8	126.9	129.8	132.2	131.8															
1955	133.3	135.5	136.6	138.6	140.4	139.6	140.4	137.4	139.6	140.0	139.0	141.3	1971	108.2	103.6	108.0	109.8	110.0	110.4	110.6	110.8	107.7	113.5	118.9	111.3		
1956	143.1	143.4	145.4	148.1	144.6	143.4	132.0	142.1	146.2	143.7	141.9	142.7	1972	117.6	114.5	115.8	114.8	114.5	115.2	113.6	115.5	116.3	117.4	114.4	109.5		
1957	142.3	144.2	143.9	143.7	140.5	141.9	141.2	140.4	140.4	135.1	131.5	130.9	1973	115.3	116.4	119.4	119.3	120.9	122.4	123.0	122.3	121.0	125.6	123.0			
1958	127.7	123.0	120.0	115.6	115.2	117.0	115.0	115.9	117.7	118.1	121.4	122.2	1974	120.2	126.4	123.4	118.7	119.3	118.3	115.0	114.7	114.5	113.0	110.9	110.2		
1959	122.3	121.1	122.9	123.1	125.6	125.6	122.2	112.3	108.2	110.4	118.0	122.0	1975	109.7	102.0	95.1	96.9	97.6	95.0	96.3	98.6	99.2	98.1	98.8	100.2		
1960	118.6	117.3	120.8	121.9	119.6	115.7	113.4	114.6	112.4	112.3	110.2	107.5	1976	103.2	101.3	97.8	101.0	99.7	99.9	99.8	99.4	98.0	101.0	101.4	100.5		
1961	109.6	107.5	105.5	106.0	107.0	107.7	109.8	108.1	108.3	109.1	109.0	107.0	1977	93.7	102.3	104.4	107.3	107.8	107.6	108.5	106.6	107.0	107.6	108.7	108.6		
1962	105.8	108.2	108.3	107.4	105.9	104.3	102.4	105.1	104.8	103.3	102.8	101.7		100.3	104.2	111.5	118.8	117.1	122.8								
1963	102.1	102.1	101.6	103.8	104.7	105.3	103.0	103.6	105.3	104.4	103.7	104.6															
1964	103.1	103.8	103.3	103.7	103.4	104.4	103.7	103.5	102.9	105.8	107.2	105.5	1947	91.4	91.5	91.3	91.4	90.2	89.7	88.8	87.9	89.6	89.9	90.7	91.8		
1965	105.8	105.0	105.6	104.2	105.3	103.9	104.3	105.1	102.4	104.1	104.3	105.8	1948	91.6	90.3	90.7	89.1	88.6	89.4	88.6	88.8	88.5	87.9	86.2			
1966	106.0	105.6	107.5	94.9	104.3	104.7	104.9	105.1	104.5	104.0	103.2	103.3	1949	84.4	83.5	81.7	79.8	78.4	78.1	78.0	78.1	79.6	77.1	76.4			
1967	103.6	101.8	101.8	101.6	100.7	101.0	102.6	98.7	98.1	96.8	97.9	96.1	1950	80.1	80.2	80.8	82.7	85.1	86.7	88.6	91.7	91.6	93.1	93.2			
1968	94.3	96.3	96.1	99.5	99.8	100.2	101.2	101.4	100.9	101.1	100.2	100.9															
1969	101.4	101.4	99.8	101.6	98.1	101.0	103.1	102.9	102.0	102.9	102.9	102.9	1951	94.4	95.1	95.5	96.3	95.0	94.6	93.6	91.9	91.9	90.9	91.4	92.4		
1970	101.5	102.2	101.5	102.0	100.4	100.6	100.1	99.7	100.6	101.0	101.5	101.5	1952	93.0	93.0	92.8	91.9	92.0	89.8	88.0	92.5	95.9	97.0	98.0	99.0		
1971	101.1	99.5	100.2	100.3	100.3	99.9	95.9	98.2	98.1	81.2	82.1	100.0	1953	99.4	100.0	101.1	101.2	100.6	100.3	100.0	98.6	95.9	95.4	93.2	91.6		
1972	103.3	101.2	102.6	100.8	100.5	101.2	100.3	101.5	102.3	101.9	101.7	99.4	1954	90.3	89.8	88.8	87.6	87.2	86.8	85.9	85.8	85.6	87.9	88.1			
1973	99.8	99.6	100.2	100.5	101.4	101.7	102.5	103.8	104.0	103.9	105.3	108.1	1955	89.1	90.4	91.6	92.3	93.8	93.7	93.4	93.5	94.9	95.7	95.6			
1974	107.6	109.9	110.3	110.5	112.7	112.8	112.7	113.1	114.3	115.5	97.6	112.5	1956	95.6	94.9	94.0	94.8	93.4	92.6	92.8	94.2	94.2	94.4	94.2			
1975	110.5	117.0	116.9	115.1	121.1	119.0	118.8	119.3	120.0	122.5	122.8	125.2	1957	93.6	93.7	93.0	92.4	91.3	91.2	90.8	89.0	87.9	86.6	85.4			
1976	126.9	124.5	125.6	123.9	123.1	123.6	125.8	115.5	128.8	128.2	128.9	130.7	1958	83.7	81.5	80.1	78.5	78.2	79.1	79.7	80.6	81.7	80.7	83.4			
1977	130.2	131.6	135.4	138.0	136.0	135.8	135.7	131.1	138.1	138.8	139.7	107.8	1960	90.2	89.6	88.6	87.8	87.9	86.9	86.4	85.4	84.2	83.9	79.4			
1978	105.6	106.8	111.3	144.2	143.1	144.0																					
	CONSTRUCTION														1961	80.7	80.2	80.5	81.3	82.1	83.4	84.0	82.8	84.5	85.9	85.8	
															1962	85.2	86.2	86.9	88.0	87.4	87.3	87.2	87.0	87.3	86.6	86.2	
1947	63.6	65.2	67.2	65.1	64.7	65.3	65.5	65.8	67.0	66.7	67.1	68.5	1963	86.8	86.4	86.9	86.9	87.8	87.8	87.9	87.9	88.3	87.6	88.1			
1948	71.3	68.3	71.2	71.3	71.0	72.9	72.6	71.9	72.7	71.4	73.8	75.0	1964	87.1	88.5	88.6	89.3	89.2	89.3	89.8	90.5	90.6	88.8	91.3			
1949	74.7	74.3	73.0	71.2	71.8	69.5	69.9	70.2	69.7	70.4	72.1	67.7	1965	93.1	93.5	94.2	93.7	94.5	94.7	95.5	95.5	95.6	96.6	97.5			
1950	67.5	66.3	68.2	71.6	73.6	75.9	77.3	79.4	78.6	81.1	85.6	80.7	1966	99.1	100.5	100.9	101.6	101.8	102.3	101.9	103.0	102.4	103.0	103.0			
1951	84.5	82.8	85.6	87.2	87.9	85.4	86.9	86.7	86.6	87.9	85.4	87.4	1967	102.6	100.6	100.1	99.8	99.3	99.0	99.6	99.4	99.2	100.5	100.9			
1952	88.9	93.5	87.9	87.7	86.7	88.9	87.8	89.6	88.1	88.4	89.7	1968	99.7	101.4	100.9	99.8	102.1	102.4	101.9	102.4	102.9	102.9					
1953</																											

See footnotes at end of tables.

**SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>INDEXES OF AGGREGATE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1967=100</b>																											
MANUFACTURING																											
1971 93.3 92.6 92.5 92.4 93.5 93.2 92.8 92.2 92.1 93.1 93.6 94.1																											
1972 94.8 95.8 96.4 97.6 97.6 98.2 97.6 98.1 98.7 100.0 101.1 101.3																											
1973 101.4 103.8 104.0 104.3 104.0 104.9 104.0 103.7 104.0 104.5 105.2 105.2																											
1974 104.2 103.6 103.2 100.4 102.8 102.5 102.1 101.6 100.8 99.9 96.9 93.4																											
1975 90.5 87.4 86.2 86.3 86.5 86.7 87.0 88.9 90.0 90.6 90.9 92.3																											
1976 93.8 93.9 94.3 93.1 94.9 94.5 94.7 94.1 94.2 93.7 94.9 94.9																											
1977 94.5 96.4 97.4 97.9 98.4 98.8 98.3 98.0 98.2 98.8 99.5 100.2																											
1978 98.9 100.1 102.0 102.5 101.6 101.7																											
SIC 24,25,32-39—DURABLE GOODS																											
1947 83.7 84.4 84.4 84.5 83.1 82.9 81.0 79.8 81.2 81.6 82.5 83.7																											
1948 83.9 82.3 83.0 81.2 80.3 80.3 81.4 81.1 80.0 80.8 80.7 79.1																											
1949 77.6 76.1 73.6 71.3 69.3 68.7 68.7 68.1 69.5 64.4 64.4 68.3																											
1950 70.3 70.3 71.2 74.2 77.9 80.0 82.0 85.1 85.5 87.5 87.7 88.1																											
1951 89.1 90.4 91.4 92.2 91.7 91.3 90.0 89.0 89.3 88.7 89.1 89.8																											
1952 90.6 90.7 90.5 89.3 89.5 85.2 81.8 88.8 93.6 95.1 96.4 98.0																											
1953 99.0 99.9 101.2 101.0 100.3 100.0 99.9 98.4 95.6 94.7 91.7 89.7																											
1954 88.4 87.3 85.5 84.2 83.6 83.2 81.6 81.2 80.8 82.0 83.9 84.1																											
1955 85.5 87.1 88.6 89.6 91.4 91.1 91.1 91.2 91.2 92.6 93.6 93.5																											
1956 93.4 92.5 91.3 92.7 91.1 90.3 86.0 90.5 90.7 92.7 92.0 93.1																											
1957 92.4 92.7 91.7 90.8 89.5 89.4 88.5 88.9 85.9 85.1 83.4 81.6																											
1958 79.1 76.3 74.9 72.8 72.1 73.0 73.6 74.6 76.1 74.3 78.3 79.2																											
1959 80.8 81.6 83.6 85.2 86.4 87.2 86.3 80.8 80.2 79.7 80.2 85.0																											
1960 87.4 86.9 85.6 84.2 83.8 82.4 81.7 80.7 79.5 79.1 77.0 74.2																											
1961 74.9 74.0 74.1 75.3 76.7 77.6 78.0 78.7 77.4 79.2 81.1 81.1																											
1962 80.4 81.9 82.5 83.4 83.0 83.0 82.7 82.6 82.7 82.9 82.5 82.1																											
1963 82.9 82.6 82.9 83.2 84.1 84.4 84.4 83.9 84.4 84.8 84.4 84.8																											
1964 84.1 85.2 85.6 86.2 86.5 86.5 87.2 88.0 88.6 84.8 84.8 90.4																											
1965 91.1 91.7 92.5 92.4 93.2 93.6 94.4 94.5 94.6 95.8 96.7 98.0																											
1966 99.0 100.5 101.1 102.1 102.3 102.7 102.4 104.0 103.6 104.2 104.0 103.2																											
1967 103.3 101.2 100.4 99.8 99.7 99.1 99.8 98.7 98.3 100.0 100.7																											
1968 100.2 101.2 100.7 99.9 102.2 102.0 101.8 101.2 101.9 102.4 102.7 102.6																											
1969 103.5 103.3 104.3 104.2 103.9 104.4 104.6 104.8 104.2 104.2 101.5 101.9																											
1970 100.4 99.1 99.5 97.7 95.9 95.5 95.3 94.0 92.5 87.2 85.7 89.2																											
1971 89.3 89.5 89.3 89.0 90.3 90.1 89.5 88.5 88.2 89.8 90.1 90.9																											
1972 91.7 93.2 93.8 95.3 95.6 96.0 95.6 96.3 97.1 98.9 100.4 100.9																											
1973 102.0 104.4 104.4 104.9 104.9 105.2 105.4 104.9 105.4 106.0 106.6 106.6																											

**SEASONALLY ADJUSTED**

See footnotes at end of tables.

**SEASONALLY ADJUSTED**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>INDEXES OF AGGREGATE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1967 = 100</b>																									
SIC 34—FABRICATED METAL PRODUCTS												SIC 36—ELECTRIC AND ELECTRONIC EQUIPMENT													
1967	101.7	100.1	99.5	99.6	99.5	99.7	100.0	100.4	99.0	99.1	100.3	101.2	1947	63.9	63.2	64.1	62.0	60.7	61.1	60.9	59.5	60.6	61.1	62.0	
1968	101.3	101.4	101.7	99.6	103.1	103.9	104.2	104.1	105.1	106.1	107.3	106.4	1948	61.0	60.3	59.5	58.6	57.4	57.2	57.4	57.1	56.6	56.0	56.7	
1969	107.5	106.7	108.2	107.7	107.5	107.6	107.4	107.2	106.4	105.7	105.0	104.8	1949	53.2	51.7	49.7	47.9	46.6	44.9	44.6	44.6	46.3	47.6	46.5	
1970	103.8	101.9	101.5	99.8	97.6	97.5	98.1	96.6	95.6	90.6	88.6	91.1	1950	49.8	51.4	52.6	55.6	58.5	58.4	61.2	63.8	64.3	67.5	67.5	
1971	91.9	90.4	88.8	89.9	92.1	91.4	91.8	91.1	90.3	91.6	91.9	92.6	1951	67.3	67.8	68.8	69.3	69.1	69.0	67.5	67.3	67.4	66.3	67.4	
1972	93.0	94.7	95.7	96.8	97.6	98.3	98.2	98.7	99.2	100.4	101.9	102.7	1952	69.8	69.7	69.8	68.9	69.4	70.2	69.4	71.2	74.3	75.5	77.0	
1973	104.1	106.7	106.4	106.4	106.6	106.6	106.9	105.7	105.0	106.3	107.1	106.9	1953	81.7	82.9	84.5	85.2	84.4	84.2	83.8	82.8	80.4	77.9	75.5	
1974	105.7	105.4	105.2	100.7	104.2	103.9	104.1	103.4	102.7	101.4	98.8	95.8	1954	70.9	70.8	69.0	67.7	67.0	66.1	66.4	66.3	66.2	66.6	67.6	
1975	91.2	88.5	86.8	85.9	85.5	83.2	86.6	87.8	88.2	88.6	89.1	1955	68.0	69.1	69.4	70.8	72.0	72.6	71.7	72.4	71.8	75.5	74.7		
1976	90.4	91.7	92.1	90.2	93.8	93.5	93.8	93.8	93.6	93.1	94.1	94.3	1956	74.3	74.0	73.7	78.0	77.1	76.3	76.1	75.6	76.6	76.1	76.3	
1977	93.5	95.6	96.5	96.3	97.5	98.6	98.0	98.3	97.7	99.2	100.1	101.1	1957	75.6	76.0	75.3	74.6	73.5	74.4	74.3	74.1	73.1	70.3	69.4	
1978	99.4	101.4	102.9	103.5	103.3	102.4							1958	66.7	64.9	64.1	62.7	61.7	62.1	63.1	63.7	65.4	62.9	68.3	
													1959	70.3	70.9	71.5	72.8	74.0	75.4	75.9	76.1	76.4	77.2	74.8	
													1960	78.7	78.2	78.1	76.4	76.3	75.7	75.2	75.1	74.1	71.6	72.6	
SIC 35—MACHINERY, EXCEPT ELECTRICAL												SIC 37—TRANSPORTATION EQUIPMENT													
1947	77.3	77.6	77.8	79.2	78.4	77.3	76.0	75.6	76.8	77.4	77.5	78.6	1961	72.1	72.3	72.2	73.2	73.6	73.9	73.9	75.2	73.3	75.8	77.4	
1948	78.0	77.3	77.4	75.7	76.3	77.1	76.2	76.1	75.5	75.5	74.6	73.3	1962	78.0	79.2	80.2	81.5	81.4	81.7	81.6	80.6	80.9	80.1	79.8	
1949	71.2	69.2	66.8	63.7	61.5	59.5	58.7	57.5	58.0	56.5	54.7	55.9	1963	79.5	79.0	78.7	78.3	78.9	79.3	79.0	78.2	78.5	78.6	77.4	
1950	56.8	58.6	59.9	62.1	64.4	65.6	67.9	70.4	69.8	73.6	75.9	77.0	1964	77.1	77.4	77.7	78.5	77.7	77.6	79.4	79.6	80.0	80.6	81.3	
1951	79.2	80.4	82.0	83.7	84.5	85.3	86.2	84.2	85.7	86.5	87.2	87.4	1965	83.1	83.9	85.5	85.3	87.0	87.6	87.8	88.2	88.8	91.0	92.5	
1952	88.5	87.4	86.8	86.3	86.6	86.3	82.9	82.0	83.9	84.2	86.3	88.3	1966	96.2	98.2	99.2	102.3	102.9	103.7	102.8	105.4	105.6	105.7	105.0	
1953	88.6	88.4	89.2	88.1	87.6	87.3	87.1	86.0	84.6	83.7	81.9	80.1	1967	104.2	102.6	101.4	99.1	98.7	96.1	99.5	99.7	97.9	99.6	100.8	
1954	78.6	77.8	75.9	74.0	73.6	72.8	71.9	71.6	70.8	70.1	70.5	69.8	1968	100.1	101.7	99.9	98.2	100.4	100.4	99.9	100.0	100.6	100.1	100.4	
1955	70.6	71.5	73.0	74.7	77.1	77.7	77.4	78.5	77.4	80.8	82.2	82.8	1969	101.6	101.6	103.2	103.9	104.3	104.4	105.4	104.1	104.3	104.9	96.3	
1956	83.6	83.4	82.7	84.2	83.6	83.2	83.8	84.8	85.0	85.1	85.1	85.8	1970	95.9	100.3	100.3	98.8	96.8	96.3	97.3	95.1	92.4	91.0	88.8	
1957	85.7	85.6	84.8	83.4	82.3	81.2	80.6	79.5	78.8	77.1	74.5	72.6	1971	88.9	87.8	87.8	87.7	88.9	88.3	88.5	88.9	88.7	89.9	91.0	
1958	70.2	67.4	66.2	64.5	63.2	62.7	62.3	62.5	63.5	63.3	64.0	65.1	1972	90.7	92.8	92.9	94.0	94.4	94.8	94.9	95.4	96.0	98.0	99.1	
1959	66.9	68.7	70.5	71.8	74.2	75.6	75.0	74.7	75.3	74.8	74.3	75.5	1973	100.8	103.6	103.9	104.1	104.8	105.2	105.5	105.6	105.8	106.6	107.7	
1960	75.9	75.6	75.7	74.8	74.9	74.4	73.8	72.6	70.8	70.0	69.3	67.2	1974	106.7	106.0	105.3	101.9	104.7	104.5	104.3	99.9	100.7	99.6	95.0	
1961	67.8	67.5	66.8	67.8	67.9	68.0	68.5	68.9	69.2	70.0	70.3	71.3	1975	88.2	83.4	82.7	81.9	80.7	80.7	81.4	82.9	83.6	85.0	84.5	
1962	71.1	72.1	73.1	74.6	74.6	75.0	75.2	75.5	75.5	75.5	75.1	74.3	1976	87.6	88.3	89.5	88.2	91.0	90.5	90.1	90.6	89.3	90.8	91.5	
1963	75.2	74.7	74.6	74.6	75.0	75.5	75.5	76.3	77.1	77.3	77.6	78.3	1977	90.4	94.4	94.7	95.1	95.8	96.7	96.8	97.0	96.8	97.4	98.6	
1964	78.2	78.4	79.5	80.6	81.0	81.7	82.2	82.7	83.0	82.2	84.0	85.4	1978	97.3	98.8	101.2	100.4	99.8	99.8	99.8					
1965	86.1	86.3	87.5	86.5	88.8	89.3	90.5	90.2	91.0	93.0	94.4	95.4	1979												
1966	96.5	98.0	98.5	99.2	100.6	101.3	101.2	103.3	103.2	103.6	103.6	103.6	1980	80.8	86.8	88.0	86.4	86.4	86.4	84.7	86.5	88.4	87.4	89.9	
1967	103.9	102.0	101.5	101.3	100.3	99.3	99.6	100.6	99.3	96.1	99.2	96.8	1981	72.5	74.5	74.2	72.8	69.1	70.9	65.6	64.1	68.4	69.8	72.8	
1968	96.7	97.5	97.2	94.4	97.0	96.8	96.4	96.7	97.1	97.4	98.5	97.5	1982	74.4	69.3	72.6	70.2	64.7	65.7	68.7	67.0	66.9	70.7	72.3	
1969	99.3	99.6	100.3	101.0	100.9	101.4	100.6	101.0	101.9	101.5	100.0	101.3	1983	71.8	71.4	67.7	66.5	61.9	66.4	69.5	67.6	69.9	65.8	59.1	
1970	101.1	100.2	100.1	98.2	95.7	94.5	94.1	91.7	89.1	86.4	85.0	84.0	1984	67.8	59.6	59.8	62.5	72.7	76.4	76.1	80.2	79.8	81.2	79.8	
1971	83.5	82.7	82.1	81.2	81.7	81.3	82.4	82.2	82.5	82.6	83.0	83.4	1985	80.8	86.8	88.0	86.4	86.4	86.4	84.7	86.5	88.4	87.4	89.9	
1972	83.8	85.2	85.5	87.4	89.0	90.4	90.5	91.2	91.8	93.7	95.1	96.7	1986	90.6	92.1	93.0	93.5	96.6	97.9	86.5	90.6	105.1	109.5	110.8	
1973	97.5	99.3	100.2	101.2	102.8	103.0	103.6	104.2	105.1	105.7	108.0	1987	112.9	115.9	117.5	117.3	116.2	116.8	117.4	117.2	112.7	112.1	104.7		
1974	107.6	107.5	108.4	103.6	107.8	108.8	107.1	108.1	107.9	108.8	106.8	104.5	1988	104.7	109.9	99.8	97.8	96.5	94.5	92.8	91.1	86.2	90.4	95.8	
1975	102.1	99.5	97.3	95.7	93.0	91.4	90.0	90.8	91.2	91.7	91.4	91.4	1989	100.1	103.2	105.1	105.8	107.6	102.7	106.5	103.6	101.3	102.2	104.4	
1976	92.7	93.0	93.4	91.8	94.8	95.0	96.2	95.8	95.7	95.0	96.8	96.3	1990	102.2	98.4	97.1	97.0	93.2	93.0	95.5	96.0	93.3	102.2	106.3	
1977	96.0	98.0	98.7	98.5	100.5	101.4	102.9	103.1	103.2	104.6	105.1	106.2	1991	104.5	106.3	104.4	102.7	100.7	101.4	99.2	102.5	91.2	93.5	89.0	
1978	104.6	107.1	109.4	110.1	109.5	111.3							1992	84.8	81.3</td										

See footnotes at end of tables.

### **SEASONALLY ADJUSTED**

See footnotes at end of tables

**SEASONALLY ADJUSTED**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
<b>INDEXES OF AGGREGATE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1967=100</b>																											
	SIC 28-29-2B-30-31—NONDURABLE GOODS														SIC 31—TOBACCO MANUFACTURES												
1962	92.1	92.6	93.5	94.7	93.9	94.1	93.8	95.2	93.7	92.6	92.7	92.3	1947	102.1	102.7	103.2	102.8	109.0	146.2	152.0	142.9	145.0	147.3	153.0	149.8		
1963	92.4	92.1	92.7	92.2	93.0	92.7	92.9	92.9	93.0	93.5	92.3	92.8	1948	142.0	146.4	150.5	156.4	149.9	145.0	142.4	141.2	134.0	142.9	137.9	135.3		
1964	91.5	93.2	92.9	93.5	93.6	93.4	93.6	94.1	93.4	94.5	94.7	95.4	1949	129.3	135.7	136.6	134.0	135.3	138.8	134.9	136.8	131.0	120.8	126.4	127.4		
1965	96.0	96.1	95.7	95.6	96.4	96.4	97.2	97.0	97.1	97.9	98.8	99.0	1950	135.8	126.1	126.8	125.1	128.8	126.1	127.4	124.4	129.4	124.8	120.2	124.4		
1966	99.1	100.4	100.6	100.8	101.0	101.5	101.3	101.6	100.7	101.3	101.5	101.2															
1967	101.6	99.8	99.5	99.8	98.7	98.9	98.9	99.3	100.4	100.5	101.2	101.1	1951	127.4	130.4	127.1	129.4	123.1	124.8	123.1	127.0	133.5	133.8	133.8	132.5		
1968	99.1	101.6	101.3	99.7	102.1	102.9	102.5	102.9	103.2	103.5	102.8	103.2	1952	131.5	129.1	127.4	129.4	130.8	129.1	128.8	131.8	131.1	133.5	135.5	135.6		
1969	102.3	101.7	103.4	103.0	100.1	103.7	103.2	103.1	103.8	102.2	102.5	102.7	1953	132.1	130.4	131.5	130.4	127.7	123.4	128.1	128.8	123.1	121.8	126.4	125.5		
1970	102.6	102.1	101.4	100.6	98.1	99.1	99.6	98.6	97.1	97.1	97.1	97.2	1954	122.0	122.8	123.8	125.4	126.1	129.8	123.1	122.8	129.4	124.7	126.7	126.8		
1971	97.8	97.2	97.1	97.5	98.2	97.8	97.6	97.6	97.8	98.0	98.7	98.9	1955	123.7	120.8	122.6	125.2	124.6	122.6	120.9	120.3	122.5	119.4	125.2	122.9		
1972	99.3	99.7	100.2	101.1	100.5	101.2	100.4	100.8	100.9	101.6	102.1	101.8	1956	122.9	124.4	120.8	116.4	117.8	114.7	117.3	111.5	110.5	105.5	108.8	112.7		
1973	100.7	102.8	103.2	103.3	102.6	102.4	101.9	101.9	102.0	102.4	103.2	103.1	1957	120.8	116.7	116.3	115.9	114.2	115.6	118.2	111.2	113.0	112.5	116.8	115.9		
1974	102.8	102.4	101.7	99.1	101.0	100.3	99.8	99.6	98.3	97.0	94.4	91.3	1958	113.4	114.5	115.6	113.8	113.8	114.9	115.7	119.9	117.2	113.4	110.3	113.1		
1975	88.8	86.1	85.4	86.4	87.7	88.7	89.5	91.7	92.9	94.1	94.6	95.6	1960	114.2	112.5	107.9	111.3	114.6	114.7	114.7	100.6	115.5	115.9	109.4	108.1		
1976	97.0	96.5	96.6	95.4	95.8	94.9	95.0	94.0	94.9	94.8	95.0	95.2															
1977	94.8	95.8	97.1	98.0	97.9	98.1	97.1	96.6	96.6	96.8	97.6	97.9	1961	108.1	109.5	108.6	110.1	106.5	109.3	105.4	109.8	118.2	107.4	103.3	105.2		
1978	96.5	97.4	95.2	99.9	96.9	96.9	98.7						1962	102.9	106.8	107.1	104.6	104.6	102.2	103.3	106.4	108.1	106.0	104.9			
	SIC 20—FOOD AND KINDRED PRODUCTS													1963	106.9	101.1	103.0	98.7	103.3	103.7	111.0	102.5	102.2	106.3	104.1		
	SIC 22—TEXTILE MILL PRODUCTS													1964	103.6	99.5	108.2	108.1	103.5	107.4	107.9	105.4	104.8	113.4	109.2	107.3	
1947	124.3	122.1	121.6	122.1	121.9	122.5	124.2	126.3	128.9	125.2	124.7	125.0	1965	105.4	103.8	101.9	96.1	100.1	99.8	101.7	98.2	99.0	98.5	93.2	97.2		
1948	121.9	121.6	120.7	114.7	115.1	123.6	123.0	114.6	126.3	121.0	118.8	117.1	1966	101.6	104.3	101.0	98.9	98.1	97.4	96.3	93.2	94.5	91.8	96.2	102.6		
1949	115.6	115.8	115.5	115.6	116.2	116.5	115.9	117.4	114.6	116.5	114.5	112.8	1967	104.6	93.3	97.3	100.7	98.7	100.2	101.7	97.0	94.1	100.0	106.3	103.5		
1950	113.6	112.7	113.6	113.6	114.0	114.6	116.3	116.8	114.9	114.6	116.2	116.9	1968	91.9	96.8	97.9	82.3	95.8	97.6	96.1	100.8	100.0	96.9	94.6	92.5		
1951	118.4	117.0	117.2	117.5	115.9	115.6	115.8	114.9	116.5	115.9	113.8	114.6	1970	91.8	91.1	89.5	90.5	89.9	90.9	92.1	94.3	90.4	92.3	92.9			
1952	114.2	115.8	115.0	114.9	113.9	116.0	115.2	112.7	115.5	115.0	114.6	114.8	1971	91.3	85.6	85.2	85.4	88.3	84.0	81.3	81.6	87.4	79.0	81.6	79.4		
1953	114.2	114.4	114.3	113.4	113.9	113.0	114.3	113.7	114.3	113.7	113.6	111.2	1972	81.2	81.8	84.1	84.4	83.8	84.9	85.2	81.2	78.6	78.9	79.0	84.1		
1954	111.5	111.4	111.2	111.2	111.2	110.5	109.8	109.1	108.7	108.7	109.8	109.7	1973	79.7	84.1	88.1	89.2	88.3	88.5	86.5	89.7	87.0	89.2	92.0	89.0		
1955	109.5	109.0	110.0	111.2	111.7	111.0	110.5	110.0	107.3	110.7	111.0	111.4	1974	90.6	89.0	86.1	87.9	88.1	82.9	86.1	85.4	86.5	86.1	79.9	82.7		
1956	111.3	110.9	111.5	110.4	110.3	110.5	108.0	110.6	112.4	111.9	110.7	109.3	1975	83.8	83.2	82.5	79.4	77.9	83.0	80.8	84.5	86.1	84.9	89.5	86.1		
1957	107.8	107.8	107.5	107.2	106.3	105.6	107.9	105.8	105.8	103.5	104.9	104.9	1976	88.1	86.3	83.5	83.1	84.3	83.2	85.4	82.9	82.0	83.4	81.8	82.1		
1958	104.0	103.5	102.2	101.8	102.1	102.8	102.3	103.1	101.7	101.8	102.9	102.6	1977	78.1	84.0	76.4	83.8	82.5	83.6	80.5	76.1	76.7	76.3	77.1	78.7		
1959	103.5	103.9	104.0	104.1	103.8	103.9	101.8	104.5	101.9	100.2	102.4	102.6	1978	77.9	79.4	82.0	80.2	81.5	84.1								
1960	103.4	102.3	102.1	102.9	102.6	101.5	102.2	101.3	101.8	102.3	100.5	99.3															
1961	100.5	100.5	101.2	100.1	100.0	100.9	100.1	100.1	99.5	100.5	100.6	99.0	1947	142.0	141.5	140.5	141.4	139.6	134.9	135.8	132.9	136.6	138.7	140.1	143.6		
1962	98.5	98.6	98.8	100.8	100.1	101.3	99.1	99.9	98.2	98.6	98.5	98.7	1948	144.4	143.8	146.9	150.3	149.3	147.5	143.4	141.0	134.8	131.7	129.6	127.6		
1963	98.6	98.1	99.3	97.6	98.3	98.0	98.6	98.7	99.3	97.7	98.0		1949	123.4	121.7	117.5	113.1	111.3	113.0	114.0	116.4	121.2	126.6	127.7	126.0		
1964	97.6	98.3	97.1	98.5	98.1	96.9	96.6	97.3	97.2	97.8	98.4	99.0	1950	126.5	127.1	127.7	127.6	127.4	129.7	133.0	140.2	141.2	140.1	137.3			
1965	98.9	98.1	98.0	96.7	97.6	97.1	98.4	97.5	96.6	98.5	98.5	99.0															
1966	99.3	100.8	100.0	100.1	98.9	99.6	100.8	100.4	99.3	99.3	100.7	100.6															
1967	100.8	100.2	100.4	99.9	100.3	100.7	100.0	96.3	100.7	99.9	100.2	100.0	1951	140.2	140.8	136.4	139.1	135.1	132.0	128.6	118.1	115.6	115.2	115.9	119.7		
1968	98.3	98.5	98.8	98.5	99.9	101.7	100.5	100.9	100.7	101.0	100.0	101.2	1952	126.3	117.6	116.5	117.1	116.4	120.1	122.8	124.9	126.0	125.8	125.9			
1969	100.5	100.9																									

**SEASONALLY ADJUSTED**

See footnotes at end of tables.

**SEASONALLY ADJUSTED**

See footnotes at end of tables.

SEASONALLY ADJUSTED

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.				
<b>INDEXES OF AGGREGATE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1967=100</b>														<b>INDEXES OF AGGREGATE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1967=100</b>																	
		SIC 30—RUBBER AND MISC. PLASTICS PRODUCTS																PRIVATE SERVICE-PRODUCING bps													
1962	76.2	76.1	77.1	78.2	79.4	82.0	79.2	79.3	80.1	80.2	80.2	79.8	1964	90.5	90.6	90.8	91.4	91.5	91.6	92.0	92.0	92.4	92.9	92.7	93.2						
1963	80.9	80.1	80.6	80.2	81.1	80.9	79.5	79.2	79.6	79.9	80.2	80.5	1965	93.3	93.8	94.1	94.6	94.9	94.7	95.0	95.2	95.7	95.9	96.1	96.6						
1964	80.2	81.6	82.6	83.0	84.4	84.2	84.1	86.8	87.7	86.5	86.1	87.6	1966	96.4	97.0	97.1	97.4	97.6	97.9	98.1	98.4	98.6	98.7	99.1	99.5						
1965	89.7	91.7	93.0	91.3	92.4	93.3	93.8	93.9	93.5	95.3	96.8	98.6	1967	99.0	99.0	99.2	98.9	99.7	99.9	99.9	100.2	100.6	101.2	101.5	101.8						
1966	99.1	99.1	100.2	101.0	101.5	101.5	101.8	102.6	102.6	103.8	104.3	103.8	1968	101.1	101.6	101.8	102.1	102.0	102.7	103.1	103.4	103.6	103.9	104.3	104.4						
1967	104.6	101.6	101.1	100.8	88.9	90.8	89.5	102.8	104.1	104.6	105.4	104.9	1969	105.2	105.3	105.8	106.1	106.6	106.8	107.2	107.7	107.7	108.0	108.1	108.2						
1968	104.9	106.6	106.4	104.5	109.4	110.2	110.2	114.4	112.2	113.2	114.0	114.0	1970	108.5	108.6	108.7	108.1	108.4	108.2	108.4	108.2	108.4	108.4	108.1	108.1						
1969	114.7	113.5	115.7	115.4	116.2	116.6	116.4	115.8	115.6	115.9	115.5	116.1																			
1970	115.8	114.5	113.5	112.7	102.0	108.2	111.0	108.7	107.6	104.4	103.1	103.9	1971	108.1	108.3	108.4	108.6	108.6	108.9	108.3	109.2	109.4	109.5	109.5	110.5						
1971	105.7	105.9	108.2	108.6	111.0	110.5	110.9	110.4	111.6	113.4	114.0	115.3	1972	110.5	110.7	111.4	111.9	111.6	112.5	112.2	112.5	112.9	114.2	114.5	114.5						
1972	116.0	117.5	119.5	121.7	122.7	124.3	123.1	124.5	124.9	127.9	131.0	131.8	1973	115.0	115.5	116.1	116.2	116.3	116.6	116.5	116.8	116.9	117.1	118.0	117.4						
1973	133.6	135.0	135.8	137.4	135.9	136.5	138.3	138.4	136.4	137.5	139.3	139.4	1974	117.6	117.9	117.9	118.6	118.6	119.0	119.0	119.1	119.2	119.2	118.7	118.8						
1974	138.5	138.6	136.2	131.3	136.0	138.1	137.2	138.1	135.1	134.5	127.3	121.2	1976	120.8	121.3	121.3	122.2	122.0	121.9	122.0	122.2	122.5	122.6	122.7	123.3						
1975	117.7	108.0	104.4	107.5	109.1	109.8	110.9	114.6	116.1	117.4	117.7	120.7	1977	123.3	124.1	124.6	125.0	125.5	125.7	126.0	126.4	127.1	128.0	128.1	128.5						
1976	122.8	123.8	126.3	124.5	111.1	110.5	111.5	110.7	128.5	130.3	131.7	133.0	1978	127.9	128.4	129.8	130.5	130.5	130.7												
1977	134.0	136.9	137.7	140.4	141.4	141.4	139.7	138.1	137.8	139.6	141.3	142.1																			
1978	141.0	140.1	144.5	147.3	146.6	147.0																									
		SIC 31—LEATHER AND LEATHER PRODUCTS																TRANSPORTATION AND PUBLIC UTILITIES													
1947	122.3	121.0	120.0	125.4	125.7	120.6	119.4	119.7	126.9	130.9	132.6	130.6	1964	94.2	93.5	94.0	95.0	95.0	94.8	95.6	95.0	95.9	96.4	95.4	97.2						
1948	127.2	125.2	121.0	116.8	115.5	118.1	117.8	118.8	118.4	117.5	114.0	112.4	1965	95.3	96.7	97.4	97.0	97.0	97.1	97.2	97.8	98.8	98.5	99.1	98.8						
1949	111.2	111.2	111.1	108.9	110.2	110.2	111.4	110.8	103.7	108.6	100.0	100.0	1966	97.5	99.2	99.0	98.9	99.0	100.1	99.3	99.5	100.4	100.1	100.5	100.5						
1950	110.5	111.1	111.7	108.6	110.8	112.9	116.1	120.3	121.0	120.9	119.9	117.1	1967	100.4	100.7	100.3	100.3	100.3	100.5	100.5	100.6	100.6	100.7	102.7	102.5						
1951	118.4	118.7	116.5	113.9	107.7	105.6	107.3	102.9	100.6	99.7	100.5	103.7	1968	102.8	102.9	103.2	104.1	104.1	104.1	105.0	104.8	105.5	105.8	105.1	105.6						
1952	106.7	107.7	108.9	110.8	113.9	113.3	113.4	117.7	118.1	119.2	118.6	120.8	1969	106.3	105.9	105.7	104.0	104.0	105.9	105.7	105.6	105.6	105.6	105.6	105.6						
1953	118.9	116.4	118.3	120.2	119.2	117.3	113.5	111.3	106.2	107.0	107.3	106.9	1970	102.9	105.2	104.8	104.5	103.3	104.6	97.4	102.9	103.8	102.3	102.6	104.0						
1954	106.0	106.3	106.3	104.5	103.9	104.5	106.9	106.6	105.7	104.6	104.5	107.6	1971	103.4	103.9	106.0	105.0	105.5	106.0	105.0	105.9	105.5	106.6	107.2	107.9						
1955	108.2	110.6	111.8	111.3	112.5	113.5	111.7	113.5	113.5	114.7	111.0	116.0	1972	107.5	107.8	108.1	107.9	108.8	108.3	108.4	108.9	108.5	109.7	109.3	108.2						
1956	115.7	116.3	112.9	111.3	111.3	110.1	109.7	108.8	108.1	108.4	107.5	106.9	1973	110.0	109.1	108.7	110.3	110.2	109.7	109.9	109.3	108.5	108.8	107.1	106.5						
1957	106.9	107.4	108.4	110.2	106.9	107.4	107.4	107.0	108.0	106.5	104.1	103.5	1974	106.6	104.3	103.1	102.7	101.7	101.8	101.8	101.7	102.1	102.6	102.0	102.0						
1958	102.0	100.6	98.5	92.7	96.3	98.1	100.4	100.9	102.7	102.8	106.0	107.2	1975	103.0	103.0	103.5	103.5	103.2	103.5	103.7	103.9	103.8	103.7	104.3	105.2						
1959	108.7	109.1	105.2	110.2	113.6	110.7	109.6	108.0	109.0	106.9	107.4	105.9	1976	104.3	105.4	105.7	105.5	106.1	106.2	105.6	105.6	106.1	105.9	107.2	106.9						
1960	105.0	103.2	104.0	101.7	103.1	103.9	105.0	105.1	100.2	108.1	100.1	95.1		107.0	107.7	109.1	108.7	109.0	109.4												
		WHOLESALE AND RETAIL TRADE																TRANSPORTATION AND PUBLIC UTILITIES													
1961	100.9	101.2	100.3	101.4	102.3	102.9	102.8	101.7	100.6	101.6	104.5	104.6	1964	91.6	92.2	92.4	92.5	92.6	92.7	93.0	93.1	93.3	94.1	94.0	94.8						
1962	104.6	104.1	105.5	107.7	104.1	104.4	104.0	103.1	100.9	100.9	100.3	1965	95.0	95.5	96.1	96.7	96.8	96.3	96.5	96.4	97.0	97.3	97.3	98.8							
1963	99.6	99.6	95.0	97.5	98.3	99.4	99.7	100.1	101.0	102.0	98.1	99.6	1966	97.9	98.4	98.4	98.7	98.8	99.1	99.6	99.4	99.3	99.3	99.8	99.8						
1964	96.2	99.1	99.1	98.9	100.0	100.3	101.0	100.9	100.2	100.7	100.1	101.4	1967	99.6	99.2	99.4	99.4	99.6	99.8	100.0	100.1	100.4	100.1	100.7	101.2						
1965	100.4	101.5	102.7	101.1	102.4	101.0	101.6	102.0	102.8	102.5	104.0	104.6	1968	100.1	100.9	101.1	101.4	101.3	102.0	102.4	102.7	103.0	103.0	103.5	103.4						
1966	105.6	107.1	107.2	109.0	108.1	107.8	104.0	106.5	104.8	105.0	104.6	103.0	1969	104.0	104.0	104.3	104.5	105.2	105.4	105.4	106.1	106.0	106.0	106.0	105.5						
1967	103.0	99.4	97.8	98.6	97.4	97.8	100.1	99.7	101.0	100.9	103.1	101.1	1970	106.7	106.8	106.2	106.7	106.5	105.5	105.6	105.2	105.4	105.6	105.6	105.6						
1968	99.7	102.7	102.5	100.4	102.3	102.3	100.3	100.9	100.5	102.2	100.7	99.5	1971	106.6	106.8	107.3	107.2	107.3	107.4	107.9	108.4	108.5	108.7	108.8	108.8						
1969	99.2	97.5	96.2	95.6	94.4	94.8	93.5	91.5	92.1	92.4	93.4	97.4	1972	106.6	106.8	107.2	107.3	107.4	107.4	107.9	108.4	108.5	108.7	108.8	108.8						
1970	93.0	91.0	90.4	89.0	88.7	88.7	90.6	85.3	84.4	85.2	84.5	84.0	1973	109.8	109.9	110.5	110.8	111.1	111.1	111.5	112.4	113.0	113.0	113.2	113.2						
1971	84.3	82.5	82.9	84.4	83.7	83.2	83.5	83.4	81.8	83.6	84.6	84.9	1974	113.9	114.2	114.8	114.4	114.													

See footnotes at end of tables

**SEASONALLY ADJUSTED**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
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**INDEXES OF AGGREGATE WEEKLY HOURS OF PRODUCTION OR  
NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL  
PAYROLLS, SEASONALLY ADJUSTED, 1967=100**

SIC 50,51—WHOLESALE TRADE

1964	90.8	91.2	91.4	91.8	92.0	92.0	92.5	92.3	92.5	93.1	93.6	94.1	1964	86.6	86.4	86.5	87.7	87.9	88.1	88.5	88.8	89.1	89.6	89.5	89.6
1965	94.1	94.4	95.0	95.1	95.8	96.0	95.9	96.5	96.5	97.1	96.9	97.5	1965	90.0	90.1	89.9	90.7	91.3	91.4	91.9	92.3	92.8	92.8	93.2	93.7
1966	97.8	98.2	98.4	98.3	98.5	99.0	99.7	99.4	99.3	99.7	99.6	99.7	1966	93.8	94.2	94.5	95.2	95.5	95.6	95.8	95.9	96.5	97.4	97.4	97.9
1967	100.3	100.0	99.9	100.1	99.7	99.8	99.7	100.2	100.1	99.6	100.3	99.8	1967	98.0	98.3	98.6	99.2	99.6	99.9	99.7	100.1	101.1	101.3	102.1	102.2
1968	99.4	99.9	100.0	100.4	100.9	101.9	102.2	102.5	102.7	102.8	103.2	103.0	1968	102.3	103.1	103.1	103.0	103.2	104.2	104.5	104.5	104.6	105.0	105.5	105.5
1969	103.6	103.8	104.2	104.4	104.8	104.8	105.0	106.2	106.3	106.4	106.5	107.5	1969	107.0	107.0	108.1	108.1	108.6	108.9	109.7	110.1	110.0	110.6	110.6	110.7
1970	107.9	107.6	107.5	107.1	107.1	106.7	107.2	106.4	106.3	106.2	105.4	105.6	1970	110.6	111.1	111.2	111.1	111.2	110.4	110.3	110.5	111.5	111.5	111.3	111.4
1971	105.3	104.9	105.0	104.7	105.2	104.8	104.2	104.9	105.3	105.4	105.7	106.6	1971	111.3	110.8	110.6	110.8	111.0	111.2	111.9	111.5	111.5	112.0	112.0	112.8
1972	106.2	106.6	107.1	107.6	107.6	108.0	107.5	108.0	108.6	109.0	109.3	109.0	1972	112.7	113.2	113.4	115.0	114.5	115.6	115.3	115.8	116.4	117.7	117.8	118.1
1973	110.2	110.8	111.5	111.0	111.0	111.8	111.8	112.7	112.4	112.5	113.8	113.5	1973	118.6	119.3	120.1	120.9	120.4	121.2	120.7	121.6	121.8	121.8	123.0	122.9
1974	113.9	114.4	114.5	114.0	114.9	115.0	115.2	115.1	115.1	114.8	114.8	114.0	1974	123.1	124.1	124.3	124.5	125.0	126.3	126.1	126.2	126.7	126.8	126.4	126.6
1975	113.4	112.6	112.2	112.2	112.4	111.9	112.5	112.6	113.7	114.1	114.6	114.6	1975	127.1	127.4	127.6	127.5	128.1	128.5	129.2	130.5	130.0	130.4	131.1	131.3
1976	115.1	115.7	115.8	116.6	116.7	116.4	116.7	116.3	117.1	116.5	117.0	117.3	1976	132.5	132.9	132.9	133.4	133.6	133.5	133.9	134.2	134.5	134.9	134.8	135.4
1977	117.7	118.9	119.7	120.3	120.0	120.3	120.6	120.8	121.6	122.2	122.4	123.0	1977	135.6	136.4	136.7	137.3	137.6	138.3	138.6	139.3	140.6	141.8	141.6	142.1
1978	123.1	123.9	125.3	126.0	125.2	126.1	126.1						1978	141.7	141.8	143.3	144.1	143.8	143.9						

SIC 52-59—RETAIL TRADE

1964	91.9	92.7	92.8	92.8	93.0	93.2	93.4	93.6	94.5	94.2	95.1		aa	- Includes all divisions except government.
1965	95.4	95.9	96.5	97.3	97.2	96.4	96.7	96.4	97.1	97.4	97.4	98.4	ab	- Data relate to production workers in mining and manufacturing; to construction workers in construction; and to nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.
1966	98.0	98.5	98.4	98.9	99.0	99.2	99.5	99.4	99.2	99.1	99.1	99.8	ah	- Beginning with January 1943, labor turnover rates refer to all employees; before 1943, rates refer to production workers only.
1967	99.3	98.9	99.3	99.1	99.5	99.8	100.1	100.0	100.5	100.2	100.9	101.7	al	- Quits include miscellaneous separations prior to 1940.
1968	100.4	101.3	101.5	101.8	101.4	102.1	102.4	102.8	103.2	103.1	103.6	103.6	ay	- Excludes data on nonoffic和平分离
1969	104.1	104.0	104.4	104.5	105.3	105.6	105.5	106.1	105.9	105.9	106.3	106.1	bg	- Beginning with January 1959, transfers between establishments of the same firm are included in total separations; therefore, rates are not strictly comparable with prior data. Transfers are included in other accessions, the rates for which are not shown separately.
1970	106.3	106.4	106.6	105.9	106.5	106.4	106.4	106.6	106.2	106.5	106.1	106.9	bi	- Includes mining, construction, and manufacturing.
1971	107.1	107.3	107.6	108.3	108.1	108.3	109.3	109.7	109.7	110.1	109.8	111.2	bq	- Beginning with January 1959, transfers between establishments of the same firm are included in total accessions; therefore, rates are not strictly comparable with prior data. Transfers are included in other accessions, the rates for which are not shown separately.
1972	111.2	111.3	111.9	112.1	111.6	112.4	112.5	112.3	112.6	113.8	114.4	114.7	br	- Data relate to production workers in mining and manufacturing, and to construction workers in construction.
1973	115.3	115.6	116.0	115.8	116.1	116.3	116.1	115.6	116.0	116.2	117.4	116.2	bs	- Data relate to nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.
1974	115.6	115.6	115.6	117.0	116.0	116.3	116.4	116.6	117.0	116.9	116.5	115.1	bt	- Includes transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; services; and government.
1975	113.8	114.2	114.2	114.0	114.6	115.2	115.7	117.1	116.5	116.8	117.4	117.7	bv	- The unadjusted data are shown because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.
1976	118.4	119.2	119.2	120.8	120.2	119.8	119.7	119.9	120.2	120.1	120.1	120.1		
1977	120.2	120.9	121.6	122.0	122.8	122.6	123.5	123.7	124.0	125.2	124.9	125.4		
1978	123.9	124.4	126.1	126.6	127.3	127.0								

FINANCE, INSURANCE, AND REAL ESTATE<sup>ay</sup>

1964	92.3	92.9	92.6	93.1	93.1	93.2	93.3	93.3	93.6	93.3	93.6		aa	- Includes all divisions except government.
1965	94.2	94.3	94.3	94.2	94.4	94.4	94.6	94.8	94.9	95.4	95.6	95.8	ab	- Data relate to production workers in mining and manufacturing; to construction workers in construction; and to nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.
1966	95.9	96.0	96.3	96.4	96.7	97.1	97.4	97.3	97.2	97.6	97.6	98.2	ah	- Beginning with January 1943, labor turnover rates refer to all employees; before 1943, rates refer to production workers only.
1967	97.7	98.2	98.5	98.7	99.2	99.9	100.0	101.0	101.4	101.7	101.7	102.3	al	- Quits include miscellaneous separations prior to 1940.
1968	102.4	102.5	103.0	103.1	103.9	103.7	104.3	105.4	105.8	106.4	106.7	107.4	ay	- Excludes data on nonoffic和平分离
1969	108.3	109.0	109.0	109.5	109.8	110.2	110.6	110.9	111.5	111.7	112.5	112.5	bg	- Beginning with January 1959, transfers between establishments of the same firm are included in total accessions; therefore, rates are not strictly comparable with prior data. Transfers are included in other accessions, the rates for which are not shown separately.
1970	112.6	113.0	113.3	113.2	112.6	112.2	112.6	112.4	112.3	112.8	112.7	112.5	br	- Data relate to production workers in mining and manufacturing, and to construction workers in construction.
1971	112.8	113.1	113.5	114.1	114.4	114.9	115.1	115.4	115.2	115.7	115.5	115.6	bs	- Data relate to nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.
1972	116.9	116.4	116.7	117.6	117.0	118.1	118.1	118.4	119.1	119.3	118.6	119.6	bt	- Includes transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; services; and government.
1973	120.0	120.4	121.1	121.7	121.5	121.6	122.5	122.2	122.8	122.2	122.4	122.8	bv	- The unadjusted data are shown because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.
1974	122.0	122.8	122.4	123.3	123.4	123.5	123.6	123.7	123.3	123.6	123.6	123.5		
1975	123.6	123.2	122.6	122.0	122.9	122.8	122.4	123.3	123.5	124.2	124.5	124.3		
1976	124.4	125.1	124.5	125.4	125.7	125.3	125.6	125.7	126.1	126.5	127.0	128.0		
1977	129.0	128.8	129.9	130.7	130.5	131.0	131.1	131.7	132.3	133.2	133.6	133.9		
1978	134.3	135.1	135.4	137.5	136.2	137.9								

# Explanatory Notes

These explanatory notes provide information on the concepts, methodology, and scope of Household Data (A tables), Establishment Data (B, C, and D tables), and State and Area Unemployment Data (E table) published in *Employment and Earnings*.

## Introduction

The statistics in this periodical are compiled from two major sources: (1) Household interviews, and (2) reports from employers.

**Data based on household interviews** are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed and the unemployed, including such characteristics as age, sex, race, family relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 56,000 households, representing 614 areas in 1,113 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

**Data based on establishment records** are compiled each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The establishment survey is designed to provide industry information on nonagricultural wage and salary employment, average weekly hours, average hourly and weekly earnings, and labor turnover for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of establishments employing over 30 million nonagricultural wage and salary workers. The data relate to all workers, full- or part-time, who received pay during the payroll period which includes the 12th of the month. Based on a somewhat smaller sample, labor turnover data relate to actions occurring during the entire month.

### RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

The household and establishment data supplement one another, each providing significant types of information that the other cannot suitably supply. Population characteristics, for example, are readily obtained only from the household survey whereas detailed industrial classifications can be reliably derived only from establishment reports.

Data from these two sources differ from each other because of differences in definition and coverage, sources of information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The major factors which have a differential effect on levels and trends of the two series are as follows.

#### Employment

**Coverage.** The household survey definition of employment comprises wage and salary workers (including domestics and other private household workers), self-employed persons, and unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises. Employment in both agricultural and nonagricultural industries is included. The payroll survey covers only wage and salary employees on the payrolls of nonagricultural establishments.

**Multiple jobholding.** The household approach provides information on the work status of the population without duplication, since each person is classified as employed, unemployed or not in the labor force. Employed persons holding more than one job are counted only once and are classified according to the job at which they worked the greatest number of hours during the survey week. In the figures based on establishment records, persons who worked in more than one establishment during the reporting period are counted each time their names appear on payrolls.

**Unpaid absences from jobs.** The household survey includes among the employed all persons who had jobs but were not at work during the survey week—that is, were not working but had jobs from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, or because they were taking time off for various other reasons, even if they were not paid by their employers for the time off. In the figures based on payroll reports, persons on leave paid for by the company are included, but not those on leave without pay for the entire payroll period.

For a comprehensive discussion of the differences between household and establishment survey employment data, see Gloria P. Green's article "Comparing Employment Estimates from Household and Payroll Surveys," *Monthly Labor Review*, December 1969. Reprints of this article are available upon request from the Bureau of Labor Statistics.

#### Hours of work

The household survey measures hours actually worked whereas the payroll survey measures hours paid for by employers. In the household survey data, all persons with a job but not at work are excluded from the hours distributions and the computations of average hours. In the payroll survey, employees on paid vacation, paid holiday, or paid sick leave are included and assigned the number of hours for which they were paid during the reporting period.

## **COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES**

*Unemployment insurance data.* The unemployed total from the household survey includes all persons who did not have a job at all during the survey week and were looking for work or were waiting to be called back to a job from which they had been laid off, regardless of whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Employment and Training Administration of the Department of Labor, exclude persons who have exhausted their benefit rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (agriculture, domestic service, self-employment, unpaid family work, and religious organizations). Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total of \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

In addition, the qualifications for drawing unemployment compensation differ from the definition of unemployment used in the household survey. For example, persons with a job but not at work and persons working only a few hours during the week are sometimes eligible for unemployment compensation but are classified as employed rather than unemployed in the household survey.

For an examination of the similarities and differences between State insured unemployment and total unemployment, see "Measuring Total and State Insured Unemployment" by Gloria P. Green in the June 1971 issue of the *Monthly Labor Review*, Reprints of this article may be obtained upon request.

*Agricultural employment estimates of the Department of Agriculture.* The principal differences in coverage are the inclusion of persons under 16 in the Statistical Research Service (SRS) series and the treatment of dual jobholders who are counted more than once if they work on more than one farm during the reporting period. There are also wide differences in sampling techniques and collecting and estimating methods, which cannot be readily measured in terms of impact on differences in level and trend of the two series.

## **COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES**

*Statistics on manufactures and business, Bureau of the Census.* BLS establishment statistics on employment differ from employment counts derived by the Bureau of the Census from its censuses or annual sample surveys of manufacturing establishments and the censuses of business establishments. The major reasons for some noncomparability are different treatment of business units considered parts of an establishment, such as central administrative offices and auxiliary units, the industrial classification of establishments, and different reporting patterns by multiunit companies. There are also differences in the scope of the industries covered, e.g., the Census of Business excludes professional services, public utilities, and financial establishments, whereas these are included in BLS statistics.

*County Business Patterns.* Data in County Business Patterns (CBP), published by the Bureau of the Census, U.S. Department of Commerce, differ from BLS establishment statistics in the treatment of central administrative offices and auxiliary units. Differences may also arise because of industrial classification and reporting practices. In addition, CBP excludes interstate railroads and government, and coverage is incomplete for some of the nonprofit activities.

*Employment covered by State unemployment insurance programs.* Most nonagricultural wage and salary workers are covered by the unemployment insurance programs. Beginning in January 1972, coverage was expanded to include employees of small firms and selected nonprofit activities who had not been covered previously. However, certain activities, such as interstate railroads, parochial schools, and churches are not covered by unemployment insurance whereas these are included in BLS establishment statistics. Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total of \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

## **Household data**

### **(A tables)**

#### **COLLECTION AND COVERAGE**

Statistics on the employment status of the population, the personal, occupational, and other characteristics of the employed, the unemployed and persons not in the labor force, and related data are compiled for the BLS by the Bureau of the Census in its Current Population Survey (CPS). A detailed description of this survey appears in *Concepts and Methods Used in Labor Force Statistics Derived from the Current Population Survey*, BLS Report 463. This report is available from BLS upon request.

These monthly surveys of the population are conducted with a scientifically selected sample designed to represent the civilian noninstitutional population. Respondents are interviewed to obtain information about the employment status of each member of the household 16 years of age and over. Separate statistics are also collected and published for 14 and 15 year olds. The inquiry relates to activity or status during the calendar week, Sunday through Saturday, which includes the 12th of the month. This is known as the survey week. Actual field interviewing is conducted in the following week.

Inmates of institutions, members of the Armed Forces, and persons under 14 years of age are not covered in the regular monthly enumerations and are excluded from the population and labor force statistics shown in this report. Data on members of the Armed Forces, who are included as part of the categories "total noninstitutional population" and "total labor force," are obtained from the Department of Defense.

Each month, 56,000 occupied units are eligible for interview. About 2,500 of these households are visited but interviews are not obtained because the occupants are not found at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of about 4 percent. In addition to the 56,000 occupied units, there are 9,500 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from 1 month to the next and one-half to be common with the same month a year earlier.

Beginning in September 1975, the sample was enlarged by 9,000

households in order to provide greater reliability for smaller States and thus permit the publication of annual statistics for all 50 States and the District of Columbia. These supplementary households were added to the national 47,000 household sample in January 1978.

## CONCEPTS

*Employed persons* comprise (a) all those who during the survey week did any work at all as paid employees, in their own business, profession, or farm, or who worked 15 hours or more as unpaid workers in an enterprise operated by a member of the family, and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, or personal reasons, whether or not they were paid by their employers for the time off, and whether or not they were seeking other jobs.

Each employed person is counted only once. Those who held more than one job are counted in the job at which they worked the greatest number of hours during the survey week.

Included in the total are employed citizens of foreign countries, temporarily in the United States, who are not living on the premises of an Embassy.

Excluded are persons whose only activity consisted of work around the house (such as own home housework, and painting or repairing own home) or volunteer work for religious, charitable, and similar organizations.

*Unemployed persons* comprise all persons who did not work during the survey week, who made specific efforts to find a job within the past 4 weeks, and who were available for work during the survey week (except for temporary illness). Also included as unemployed are those who did not work at all, were available for work, and were waiting to be called back to a job from which they had been laid off; or (b) were waiting to report to a new wage or salary job within 30 days.

Duration of unemployment represents the length of time (through the current survey week) during which persons classified as unemployed had been continuously looking for work. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of their most recent employment. A period of 2 weeks or more during which a person was employed or ceased looking for work is considered to break the continuity of the present period of seeking work. Measurements of mean and median duration are computed from a distribution of single weeks of unemployment.

Unemployed persons by reasons for unemployment are divided into four major groups. (1) Job losers are persons whose employment ended involuntarily who immediately began looking for work and persons on layoff. (2) Job leavers are persons who quit or otherwise terminated their employment voluntarily and immediately began looking for work. (3) Reentrants are persons who previously worked at a full-time job lasting 2 weeks or longer but were out of the labor force prior to beginning to look for work. (4) New entrants are persons who never worked at a full-time job lasting 2 weeks or longer.

Jobseekers are all unemployed persons who made specific efforts to find a job, sometime during the 4-week period preceding the survey week. Jobseekers do not include persons unemployed because they (a) were waiting to be called back to a job from which they had been laid off or (b) were waiting to report to a new wage or salary job within 30 days. Jobseekers are grouped by the methods used to seek work, including going to public or private employment agency or to an employer directly, seeking assistance from friends or relatives, placing or answering ads, or utilizing some "other" method. Examples of the "other" category include being on a union or professional register, obtaining assistance from a community organization, or waiting at a designated pick-up point.

The civilian labor force comprises the total of all civilians classified as employed or unemployed in accordance with the criteria

described above. The "total labor force" also includes members of the Armed Forces stationed either in the United States or abroad.

The *unemployment rate* represents the number unemployed as a percent of the civilian labor force. This measure can also be computed for groups within the labor force classified by sex, age, marital status, race, etc. The job-loser, job-leaver, reentrant, and new entrant rates are each calculated as a percent of the civilian labor force; the sum of the rates for the four groups thus equals the total unemployment rate.

*Participation rates* represent the proportion of the noninstitutional population that is in the labor force. Two types of participation rates are published. The total labor force participation rate, which is the ratio of the total labor force and the total noninstitutional population; and the civilian labor force participation rate, which is the ratio of the civilian labor force and the civilian non-institutional population. Participation rates are usually published for sex-age groups, often cross-classified by other demographic characteristics such as race and educational attainment.

*Employment-population ratios* represent the proportion of the total noninstitutional population that is employed. This measure can also be computed as a ratio of employment and the civilian noninstitutional population.

*Not in labor force* includes all civilians 16 years and over who are not classified as employed or unemployed. These persons are further classified as "engaged in own home housework," "in school," "unable to work" because of long-term physical or mental illness, and "other." The "other" group includes for the most part retired persons, those reported as too old to work, the voluntarily idle, and seasonal workers for whom the survey week fell in an "off" season and who were not reported as unemployed. Persons doing only incidental unpaid family work (less than 15 hours) are also classified as not in the labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work again, desire for a job at the time of interview, and reasons for not looking for work are compiled on a quarterly basis. As of January 1970, the detailed questions for persons not in the labor force are asked only in those households that are in the fourth and eighth months of the sample, i.e., the "outgoing" groups, those which had been in the sample for 3 previous months and would not be in for the subsequent month. Between 1967 and 1969, the detailed not-in-labor force questions were asked of persons in the first and fifth months in the sample, i.e., the "incoming" groups.

*Occupation, industry, and class of worker* for the employed apply to the job held in the survey week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours during the survey week. The unemployed are classified according to their last full-time civilian job lasting 2 weeks or more. The occupation and industry groups used in data derived from the CPS household interviews are defined as in the 1970 Census of Population. Information on the detailed categories included in these groups is available upon request.

The class-of-worker breakdown specifies "wage and salary workers," subdivided into private and government workers, "self-employed workers," and "unpaid family workers." Wage and salary workers receive wages, salary, commission, tips, or pay in kind from a private employer or from a government unit. Self-employed persons are those who work for profit or fees in their own business, profession, or trade, or operate a farm. Unpaid family workers are persons working without pay for 15 hours a week or more on a farm or in a business operated by a member of the household to whom they are related by blood or marriage.

*Hours of work* statistics relate to the actual number of hours worked during the survey week. For example, a person who normally works 40 hours a week but who was off on the Columbus Day holiday would be reported as working 32 hours even though he was paid for the holiday.

For persons working in more than one job, the figures relate to the number of hours worked in all jobs during the week. However, all the hours are credited to the major job.

The distribution of employment by hours worked relate to persons "at work" during the survey week. At work data differ from data on total employment because the latter include persons in zero-hour worked category, "with a job but not at work." Included in this latter group are persons who were on vacation, ill, involved in a labor dispute, or otherwise absent from their jobs for voluntary, noneconomic reasons.

Persons who worked 35 hours or more in the survey week are designated as working "full time," persons who worked between 1 and 34 hours are designated as working "part-time." Part-time workers are classified by their usual status at their present job (either full time or part time) and by their reason for working part time during the survey week (economic or other reasons). "Economic reasons" include: Slack work, material shortages, repairs to plant or equipment, start or termination of job during the week, and inability to find full-time work. "Other reasons" include: Labor dispute, bad weather, own illness, vacation, demands of home housework, school, no desire for full-time work, and full-time worker only during peak season. Persons on full-time schedules include, in addition to those working 35 hours or more, those who worked from 1-34 hours for noneconomic reasons and usually work full time.

**Full- and part-time labor force.** The *full-time labor force* consists of persons working on full-time schedules, persons involuntarily working part time (part time for economic reasons), and unemployed persons seeking full-time jobs. The *part-time labor force* consists of persons working part time voluntarily and unemployed persons seeking part-time work. Persons with a job but not at work during the survey week are classified according to whether they usually work full or part time.

**Labor force time lost** is a measure of aggregate hours lost to the economy through unemployment and involuntary part-time employment and is expressed as a percent of potentially available aggregate hours. It is computed by assuming: (1) That unemployed persons looking for full-time work lost an average of 37.5 hours, (2) that those looking for part-time work lost the average number of hours actually worked by voluntary part-time workers during the survey week, and (3) that persons on part time for economic reasons lost the difference between 37.5 hours and the actual number of hours they worked.

**Race.** White and black and other are terms used to describe the race of workers. The black and other category, which until recently had been identified as "Negro and other races" and prior to 1969 as "nonwhite," includes all persons who are observed in the enumeration process to be other than white. At the time of the 1970 Census of Population, 89 percent of the black and other population group were black; the remainder were American Indians, Alaskan Natives, Asian and Pacific Islanders, and all other "nonwhite" groups. The term "black" is used in this volume when the relevant data are provided exclusively for the black population.

**Hispanic origin** refers to persons who identified themselves in the enumeration process as Mexican, Puerto Rican living on the mainland, Cuban, Central or South American or other Hispanic origin or descent. According to the 1970 Census, approximately 96 percent of their population is white.

**Major activity: going to school** and **major activity: other** are terms used to describe whether the activity of young persons during the reference week are primarily one of going to school or not. Statistics on major activity are published every month in table A-7 for 16-21 year-olds by employment status, race, and sex, and, if unemployed, whether seeking full- or part-time work.

**Vietnam-era veterans** are those who served in the Armed Forces of the United States between August 5, 1964, and May 7, 1975.

Tables for veterans in this volume are limited to males in the civilian noninstitutional population; i.e., veterans in institutions and females are excluded.

**Nonveterans** are males who never served in the Armed Forces.

**Poverty areas** classification consists of all Census geographical divisions in which 20 percent or more of the residents were poor according to the 1970 Decennial Census. Persons were classified as poor or nonpoor by using income thresholds adopted by a Federal interagency committee in 1969. These thresholds vary by family size, composition, and residence (farm-nonfarm). While poverty areas have a substantial concentration of low-income residents, many poor persons live outside these areas and, conversely, the areas include many people who are not poor.

The **metropolitan areas** classification consists of the total of all areas encompassed by Standard Metropolitan Statistical Areas (SMSA's). The metropolitan area total is based on the number of SMSA's as defined in the 1970 Decennial Census and does not include any subsequent additions or changes. Nonmetropolitan areas refer to the total of all areas outside SMSA's. The nonmetropolitan total is disaggregated into farm and nonfarm components.

## HISTORIC COMPARABILITY

### Raised lower age limit

Beginning with data for 1967, the lower age limit for official statistics on persons in the labor force was raised from 14 to 16 years. At the same time, several definitions were sharpened to clear up ambiguities. The principal definitional changes were: (1) Counting as unemployed only persons who were currently available for work and who had engaged in some specific jobseeking activity within the past 4 weeks, an exception to the latter condition is made for persons waiting to start a new job in 30 days or waiting to be recalled from layoff; in the past, the current availability test was not applied and the time period for jobseeking was ambiguous; (2) counting as employed persons who were absent from their jobs in the survey week because of strikes, bad weather, etc. and were also looking for other jobs; previously, these persons had been classified as unemployed; (3) sharpening the questions on hours of work, duration of unemployment, and self-employment in order to increase their reliability.

These changes did not affect the unemployment rate by more than one-fifth of a percentage point in either direction, although the distribution of unemployment by sex was affected. The number of employed was reduced about 1 million because of the exclusion of 14- and 15-year-olds. For persons 16 years and over, the only employment series appreciably affected were those relating to hours of work and class of worker. A detailed discussion of the changes and their effect on the various series is contained in "New Definitions for Employment and Unemployment" by Robert L. Stein in the February 1967 issue of *Employment and Earnings and Monthly Report on the Labor Force*. Reprints may be obtained upon request.

### Noncomparability of labor force levels

Before the changes introduced in 1967, the labor force data were not comparable for three earlier periods: (1) Beginning 1953, as a result of the introduction of data from the 1950 census into the estimation procedure, population levels were raised by about 600,000; labor force, total employment, and agricultural employment by about 350,000, primarily affecting the figures for totals and males; other categories were relatively unaffected; (2) beginning 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force, four-fifths of this in nonagricultural employment; other labor force categories were not appreciably affected; (3) beginning 1962, the introduction of figures from the 1960 census reduced the population by about 50,000, labor force and employment by about 200,000; unemployment totals were virtually unchanged.

In addition, beginning 1972, information from the 1970 census was introduced into the estimation procedures, producing an increase in the civilian noninstitutional population of about 800,000; labor force and employment totals were raised by a little more than 300,000, and unemployment levels and rates were essentially unchanged. A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment affected the white and black and other groups but had little effect on totals. The adjustment resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black and other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black and other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

Beginning in January 1974, the methodology used to prepare independent estimates of the civilian noninstitutional population was modified to an "inflation-deflation" approach. This change in the derivation of the population estimates had its greatest impact on estimates of 20-24 year-old males—particularly those of the black and other population—but had little effect on 16 and over totals. Additional information on the adjustment procedure appears in "CPS Population Controls Derived from Inflation-Deflation Method of Estimation" in the February 1974 issue of *Employment and Earnings*.

Effective July 1975, as a result of the immigration of Vietnamese refugees into the United States, the total and black-and-other independent population controls for persons 16 years and over were adjusted upward by 76,000–30,000 males and 46,000 females. The addition of the refugees increased the black-and-other population by less than 1 percent in any age-sex group, and all of the changes were in the "other" population.

Beginning in 1978, the introduction of an expansion of the sample and revisions in the estimation procedures resulted in an increase of roughly a quarter of a million in the overall civilian labor force and employment totals; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an indication of the differences appear in "Revisions in the Current Population Survey in January 1978" in the February 1978 issue of *Employment and Earnings*.

#### Changes in occupational classification system

Beginning with 1971, the comparability of occupational employment data was affected as a result of changes in census occupational classifications introduced into the Current Population Survey (CPS). These changes stemmed from an exhaustive review of the classification system to be used for the 1970 Census of Population. This review, the most comprehensive since the 1940 census, was to reduce the size of large groups, to be more specific about general and "not elsewhere classified" groups, and to provide information on emerging significant occupations. Differences in March 1970 employment levels tabulated on both the 1960 and 1970 classification systems ranged from a drop of 650,000 in operatives to an increase of 570,000 in service workers, much of which resulted from a shift between these two groups; the non-farm laborers group increased by 420,000, and changes in other groups amounted to 220,000 or less.

An additional major group was created by splitting the operatives category into two: operatives, except transport, and transport equipment operatives. Separate data for these two groups first became available in January 1972. At the same time, several changes in titles, as well as in order of presentation, were introduced; for example, the title of the managers, officials, and proprietors group was changed to "managers and administrators, except farm," since only proprietors performing managerial duties are included in the category.

Apart from the effects of revisions in the occupation classification system beginning in 1971, comparability of occupational employment data was further affected in December 1971, when a question eliciting information on major activities or duties was added to the monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. This change resulted in several dramatic occupational shifts, particularly from managers and administrators to other groups. Thus, meaningful comparisons of occupational levels cannot always be made for 1972 and subsequent years with earlier periods. However, revisions in the occupational classification system as well as in the CPS questionnaire are believed to have had but a negligible impact on unemployment rates.

Additional information on changes in the occupational classification system of the CPS appears in "Revisions in Occupational Classifications for 1971" and "Revisions in the Current Population Survey" in the February 1971 and February 1972 issues, respectively, of *Employment and Earnings*.

#### Changes in sample design

Since the inception of the survey, there have been various changes in the design of the CPS sample. Most of these changes were made in order to improve the efficiency of the sample design and/or to increase the reliability of the sample estimates.

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, occasionally the sample is expanded in terms of number of sample areas and number of sample persons. In 1953, a rotation plan was introduced in which a sample unit would be interviewed for 4 months, leave the sample for eight months, and then return to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to the sample to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a non-contiguous cluster of six housing units to a usually contiguous cluster of four housing units. The most recent change was introduced in January 1978, when a supplemental sample of housing units, selected in 24 States and the District of Columbia and designed to provide more reliable annual average estimates for States, was incorporated with the existing design.

The following table provides a description of some aspects of the CPS sample design in use during the referenced data collection periods. For a more detailed account of the history of the CPS sample design, see *The Current Population Survey: Design and Methodology*, U.S. Department of Commerce, Bureau of the Census, Technical Paper No. 40, or *Concepts and Methods used in Labor Force Statistics Derived from the Current Population Survey*, BLS Report 463.

Time period	Number of sample areas <sup>1</sup>	Households eligible		Households visited not eligible <sup>2</sup>
		Interviewed	Not interviewed	
Aug. 1947 to Jan. 1954 . . . . .	68	21,000	500-1,000	3,000-3,500
Feb. 1954 to Apr. 1956 . . . . .	230	21,000	500-1,000	3,000-3,500
May 1956 to Dec. 1959 . . . . .	330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963 . . . . .	333 <sup>3</sup>	33,500	1,500	6,000
Mar. 1963 to Dec. 1966 . . . . .	357	33,500	1,500	6,000
Jan. 1967 to July 1971 . . . . .	449	48,000	2,000	8,500
Aug. 1971 to July 1972 . . . . .	449	45,000	2,000	8,000
Aug. 1972 to Dec. 1977 . . . . .	461	45,000	2,000	8,000
Jan. 1978 to present . . . . .	614	53,500	2,500	9,500

<sup>1</sup> Beginning in May 1956, these areas were chosen to provide coverage in each State and the District of Columbia.

<sup>2</sup> These are households which were visited, but were found to

be vacant or otherwise not eligible for interview.

<sup>3</sup> Three sample areas were added in 1960 to represent Alaska and Hawaii after statehood.

## ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. There are no subsequent adjustments to independent benchmark data on labor force, employment, or unemployment. Therefore, revisions of the historical data are not an inherent feature of this statistical program.

The CPS estimation procedure involves weighting the data from each sample person. The basic weight, which is the inverse of the probability of the person being in the sample, is a rough measure of the number of actual persons that the sample person represents. In States supplemented in the 1978 expansion, almost all sample persons within the same sample area have the same basic weight, but the weight may differ across sample areas. The basic weight is the same for almost all sample persons in unsupplemented States. The basic weights are then adjusted for noninterview, and the ratio estimation procedure is applied.

**1. Noninterview adjustment.** The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondent for other reasons. This adjustment is made separately by combinations of sample areas within each State and the District of Columbia, and within these, for six groups—two race categories (white, and black and other) within three residence categories. For sample areas which are Standard Metropolitan Statistical Areas (SMSA's), these residence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 3 to 5 percent depending on weather, vacations, etc.

**2. Ratio estimates.** The distribution of the population selected for the sample may differ somewhat, by chance, from that of the population as a whole, in such characteristics as age, race, sex, and residence. Since these characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the latter estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:

**a. First-stage ratio estimate.** In the CPS sample, a portion of the 614 sample areas are chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed

to reduce the contribution to the variance resulting from requiring sample areas to represent nonsample areas. Therefore this procedure is not applied to sample areas which represent only themselves. The procedure is applied within each State that contains nonsample areas and takes into account the differences that existed at the time of the 1970 census in the distribution by race and residence of the population in sample areas and the known race-residence distribution in the portions of the State represented by these areas.

**b. Second-stage ratio estimate.** In this stage, the sample proportion in the categories described below are adjusted to the distribution of independent current estimates of the population in the same categories. The second-stage ratio estimate is done in order to increase the reliability of the estimates and is done in three steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over for the State. The second step involves "nonwhite" persons only, and is an adjustment to independent estimates of 40-age-sex-race categories across the whole Nation. (The race categories used are black and other minority races.) The third adjustment is applied to all sample persons and is a weighting to nationwide independent population estimates within 68 age-sex-race groups. The entire second-stage ratio estimation procedure is iterated six times, each time beginning at the weights developed the previous time. This iteration ensures that the sample estimates both of State population and of national age-sex-race categories, will be virtually equal to the independent population estimates.

The independent controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population from the April 1, 1970 census through the latest available July 1 estimate, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age for July 1 are published annually in *Current Population Reports*, Series P-25. For a description of the methodology used in developing the State total, see Report 640 of that series. Descriptions of the age estimates methodology are available on request from the Chief of the Population Division, U.S. Bureau of the Census, Washington, D.C. 20233.

Prior to January 1974, the independent national controls used for the age-sex-race groups in both the second and third steps of the second-stage ratio estimation procedure were prepared by carrying forward the most recent census data (1970) after taking account of subsequent aging of the population, births, deaths, and migration between the United States and other countries. Beginning

in 1974, the "inflation-deflation" method of deriving independent population controls was introduced into the CPS estimation procedures. These independent controls are prepared by inflating the most recent census counts to include the estimated net census undercount by age, sex, and race, aging this population forward to each subsequent month and later age by adding births and net migration, and subtracting deaths. These post-censal population estimates are then "deflated" to census level to reflect the pattern of net undercount in the most recent census by age, sex, and race. The actual percent change over time in the population in any age group is preserved.

**3. Composite estimate procedure.** In deriving statistics for a given month, a composite estimating procedure is used which takes account of net changes from the previous month for continuing parts of the sample (75 percent) as well as the sample results for the current month. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of levels are also improved, but to a lesser extent.

#### Rounding of estimates

The sums of individual items may not always equal the totals shown in the same tables because of independent rounding of totals and components to the nearest thousand. Differences, however, are insignificant.

#### Reliability of the estimates

There are two types of errors possible in an estimate based on a sample survey—sampling and nonsampling. The standard errors provided primarily indicate the magnitude of the sampling error. They also partially measure the effect of some nonsampling errors in response and enumeration but do not measure any systematic biases in the data.

**Nonsampling errors.** The full extent of nonsampling error is unknown, but special studies have been conducted to qualify some sources of nonsampling error in the CPS as discussed below. The effect of nonsampling error should be small on estimates of relative change, such as month-to-month change. Estimates of monthly levels would be more severely affected by the nonsampling error.

Nonsampling errors in surveys can be attributed to many sources, e.g., inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, inability or unwillingness of respondents to provide correct information, inability to recall information, errors made in collection such as in recording or coding the data, errors made in processing the data, errors made in estimating values for missing data, and failure to represent all sample households and all persons within sample households (undercoverage).

Nonsampling errors occurring in the interview phase of the survey have been studied by means of a reinterview program. This program is used to estimate various sources of error as well as to evaluate and control the work of the interviewers. A random sample of each interviewer's work is inspected through reinterview at regular intervals. The results indicate, among other things, that the data published from the CPS are subject to moderate systematic biases. A description of the CPS reinterview program and some of the other results may be found in the *Current Population Survey Reinterview Program, January 1961 through December 1966*, Technical Paper No. 19. U.S. Department of Commerce, Bureau of the Census.

The effects of some components of nonsampling error in the CPS data can be examined as a result of the rotation plan used for the sample, since the level of the estimates vary by rotation group. A description of these effects appears in the article "The Effects of Rotation Group Bias on Estimates from Panel Surveys."

by Barbara A. Bailer, *Journal of the American Statistical Association*, Volume 70, No. 349, March 1975.

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Overall undercoverage, as compared to the level of the decennial census, is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females and larger for black and other races than for whites. Ratio estimation to independent age-sex-race population controls, as described previously, partially corrects for the biases due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race group. Further, the independent population controls used have not been adjusted for undercoverage in the 1970 census, which was estimated at 2.5 percent of the population, with differentials by age, sex, and race similar to those observed in the CPS.

The approximate magnitude of two sources of undercoverage of housing units is known. Of the 83,000,000 housing units in the U.S. about 600,000 new construction housing units, other than mobile homes, are not represented in the CPS sample because they were assigned building permits prior to the 1970 census but building was not completed by the time of the census, (i.e., April 1970). Most conventional new construction, for which building permits were issued after the census, is represented. About 290,000 occupied mobile homes are not represented in the CPS; these units were either missed in the census or have been built or occupied since the census. These estimates of missed units are relevant to the present sample only and not to earlier designs where the extent of undercoverage was generally less. The extent of other sources of undercoverage of housing units is unknown but believed to be small.

Additional information on nonsampling error in the CPS appears in the paper, "An Error Profile: Employment as Measured by the Current Population Survey," by Camilla Brooks and Barbara Bailer, Proceedings of the Annual Meetings of the American Statistical Association, Social Statistics Section, Chicago, Illinois, August 1977; in the paper "The Current Population Survey: An Overview," by Marvin Thompson and Gary Shapiro, *Annals of Economic and Social Measurement*, Vol. 2, No. 2, April 1973; and in *The Current Population Survey, Design and Methodology*, Technical Paper No. 40, U.S. Department of Commerce, Bureau of the Census. This last document includes a comprehensive and up-to-date discussion of various sources of errors, and describes attempts to measure them in the CPS.

**Sampling error.** Since the estimates are based on a sample, they may differ somewhat from the figures that would have been obtained if a complete census had been taken using the same schedules, instructions, and enumerators. The standard error is primarily a measure of sampling variability, that is, of the variation that occurs by chance because a sample rather than the entire population is surveyed. The chances are about 68 out of 100 that an estimate from the survey differs from a complete census figure by less than the standard error. The chances are about 95 out of 100 that the differences would be less than twice the standard error.

In order to derive standard errors that would be applicable to a large number of estimates and could be prepared at a moderate cost, a number of approximations were required. First, the standard errors in this report reflect the sample design and estimation procedure in effect prior to the expansion for annual average State estimates. Thus, these standard errors may slightly overstate the standard errors applicable to the present design. Secondly, instead of computing an individual standard error for each estimate, generalized sets of standard errors were computed for various types of characteristics. This generalization yields more stable estimates of the standard errors. Consequently, the sets of

standard errors provided give an indication of the order of magnitude of the standard error of an estimate rather than the precise standard error.

Tables A and B show approximate standard errors for major employment status characteristics for both monthly estimates and for changes for consecutive months. These standard errors are applicable to the level of the estimates in recent months.

Tables C through G provide generalized standard errors for monthly level and month-to-month change for estimated totals, unemployment rates, and percentages. Table H contains factors for use with table G for computing standard errors, as described below, for monthly level and month-to-month change for percentages. Standard errors for intermediate values not shown in the tables may be approximated by linear interpolation. The standard error for estimated changes from one month to the next is more closely related to the monthly level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between two consecutive months. Estimates of change over other time periods are subject to higher standard errors. For years prior to 1967, the standard errors must be adjusted due to differences in sample size. For years before 1956, the standard errors should be multiplied by 1.50 and for the 1956-1966 period they should be multiplied by 1.22.

**Standard errors for estimated totals.** Tables C and D provide generalized standard errors for monthly totals and for month-to-month change. The figures given in these tables are to be used for the characteristics as indicated.

**Illustration.** Assume that the tables showed that the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the previous month. Linear interpolation in the second column of table C shows that the standard error on an estimate of 12,000,000 is about 150,000. Consequently, the chances are about 68 out of 100 that the sample estimate differs by less than 150,000 from the figure which would have been obtained from a complete count of the number of persons working the given number of hours. Recall that the standard error of a month-to-month change is primarily dependent on the size of the monthly estimate. Thus, using linear interpolation in column one of table D the standard error on a month-to-month change of 400,000 when the monthly level is approximately 12,000,000 is about 111,000.

**Standard errors for rates and percentages.** The reliability of an estimated unemployment rate or an estimated percentage, computed using sample data for both numerator and denominator, depends on both the size of the rate or percentage and the total upon which the rate or percentage is based. Estimated rates and percentages are relatively more reliable than the corresponding estimates of the numerator of the rates or percentages; this is particularly true for percentages of 50 percent or more. As a general rule, percentages are not published when the monthly base is less than 75,000 or the annual average base is less than 35,000.

Tables E and F shows generalized standard errors for monthly level and month-to-month change for unemployment rates.

Generalized standard errors for estimated monthly percentages and estimated month-to-month change in percentages can be obtained through the use of the standard errors in table G and

the factors in table H. First obtain the standard error from table G for the specific percentage and base. The generalized standard error is then calculated by multiplying the standard error from table G by the appropriate factor from table H. When the numerator and denominator of the percentage are in different categories, use the factor indicated by the numerator of the percentage.

**Illustration.** For example, assume that the tables show that 3.6 percent of a total of 90,771,000 employed persons are employed in agriculture. First the standard error on an estimate of 3.6 percent with a base of 90,771,000 is obtained from table G (0.09 percent). The appropriate factor from table H for the numerator of the percentage, agriculture employment, is 1.26. The generalized standard error on the estimated 3.6 percent is then approximately  $0.09 \times 1.26 = 0.1$  percent.

**Table A. Standard errors of major employment status categories**

(In thousands)

Employment status, sex, age, and race	Standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
Total, 16 years and over:		
Civilian labor force .....	223	171
Employed .....	236	180
Unemployed .....	107	111
Males, 20 years and over:		
Civilian labor force .....	124	107
Employed .....	135	118
Unemployed .....	68	71
Females, 20 years and over:		
Civilian labor force .....	168	129
Employed .....	167	131
Unemployed .....	64	67
Both sexes, 16-19 years:		
Civilian labor force .....	80	85
Employed .....	84	94
Unemployed .....	56	69
Black and other, 16 years and over:		
Civilian labor force .....	78	60
Employed .....	85	65
Unemployed .....	54	57
Males, 20 years and over:		
Civilian labor force .....	44	38
Employed .....	49	43
Unemployed .....	33	35
Females, 20 years and over:		
Civilian labor force .....	62	48
Employed .....	62	49
Unemployed .....	34	36
Both sexes, 16-19 years:		
Civilian labor force .....	33	37
Employed .....	30	35
Unemployed .....	29	32

**Table B. Standard errors of unemployment rates for major characteristics**

Selected categories	Standard error of—		Selected categories	Standard error of—	
	Monthly level	Consecutive month change		Monthly level	Consecutive month change
Total (all civilian workers) . . . . .	.11	.11	OCCUPATION—Continued		
Males, 20 years and over . . . . .	.13	.13	Blue-collar workers—Continued		
Females, 20 years and over . . . . .	.17	.18	Operatives, except transport . . . . .	.35	.40
Both sexes, 16-19 years . . . . .	.55	.65	Transport equipment operatives . . . . .	.49	.55
White workers . . . . .	.11	.11	Nonfarm laborers . . . . .	.62	.71
Black (and other) workers . . . . .	.45	.47	Service workers . . . . .	.31	.34
Married men, spouse present . . . . .	.12	.13	Farm workers . . . . .	.55	.62
Married women, spouse present . . . . .	.21	.22			
Full-time workers . . . . .	.11	.12			
Part-time workers . . . . .	.32	.40			
Unemployed 15 weeks and over . . . . .	.06	.07			
<b>OCCUPATION</b>					
White-collar workers . . . . .	.12	.13	Nonagricultural private wage and salary workers . . . . .	.12	.13
Professional and technical . . . . .	.18	.20	Construction . . . . .	.58	.66
Managers and administrators, except farm . . . . .	.19	.21	Manufacturing . . . . .	.22	.24
Sales workers . . . . .	.37	.41	Durable goods . . . . .	.27	.30
Clerical workers . . . . .	.23	.26	Nondurable goods . . . . .	.36	.40
Blue-collar workers . . . . .	.20	.22	Transportation and public utilities . . . . .	.31	.35
Craft and kindred workers . . . . .	.27	.30	Wholesale and retail trade . . . . .	.25	.28
			Finance and service industries . . . . .	.17	.19
			Government workers . . . . .	.21	.23
			Agricultural wage and salary workers . . . . .	1.09	1.24

**Table C. Standard errors for estimates of monthly level  
(In thousands)**

Estimated monthly level	Agricultural employment	Characteristics <sup>1</sup>							
		Labor force data other than unemployment and agricultural employment data						Unemployment	
		Total or white	Black and other	Total or white, 16-19 years	Black and other, 16-19 years	Total or white males only, or females only	Black and other males only, or females only	Total or white	Black and other
50. . . . .	13	10	10	10	10	9	9	10	11
100. . . . .	18	14	14	14	14	13	13	14	15
500. . . . .	41	32	32	32	28	30	29	31	33
1,000. . . . .	57	45	44	44	33	42	40	44	46
2,000. . . . .	81	64	60	60	13	59	52	62	63
4,000. . . . .	113	90	79	77	—	82	60	87	83
6,000. . . . .	137	109	88	84	—	99	53	106	93
8,000. . . . .	—	125	90	84	—	113	16	122	—
10,000. . . . .	—	139	87	76	—	124	—	135	—
15,000. . . . .	—	166	36	—	—	146	—	163	—
20,000. . . . .	—	188	—	—	—	161	—	182	—
30,000. . . . .	—	219	—	—	—	177	—	—	—
40,000. . . . .	—	249	—	—	—	178	—	—	—
50,000. . . . .	—	253	—	—	—	164	—	—	—
60,000. . . . .	—	260	—	—	—	131	—	—	—
70,000. . . . .	—	260	—	—	—	49	—	—	—
80,000. . . . .	—	254	—	—	—	—	—	—	—
100,000. . . . .	—	221	—	—	—	—	—	—	—
120,000. . . . .	—	143	—	—	—	—	—	—	—

<sup>1</sup> When determining the standard error of an estimate for a group which is a subset of the age, sex, race groups listed, use the standard error for the next larger group, e.g., when determining the standard error on the estimated number of employed persons age 20 to 54 years use the column for total employed.

Table D. Standard errors for estimates of month-to-month change

(In thousands)

Estimated monthly level	Type of characteristic <sup>1</sup>							
	Labor force data other than unemployment and agriculture employment data							
	Total or white	Black and other	Total, or white, 16-19 years	Black and other, 16-19 years	Unemployment			
					Total or white	Both sexes 16-19 years, or part-time labor force <sup>2</sup>	Black and other	Black and other, 16-19 years
50 .....	8	8	12	12	11	12	12	12
100 .....	11	11	17	17	16	17	16	17
500 .....	24	23	37	33	35	39	36	34
1,000 .....	34	33	52	37	48	55	49	39
2,000 .....	47	45	70	—	68	77	65	—
4,000 .....	66	58	89	—	93	107	80	—
6,000 .....	81	65	96	—	110	129	—	—
8,000 .....	93	68	93	—	123	147	—	—
10,000 .....	103	65	78	—	132	162	—	—
15,000 .....	123	33	—	—	145	191	—	—
20,000 .....	130	—	—	—	146	211	—	—
30,000 .....	163	—	—	—	—	—	—	—
40,000 .....	179	—	—	—	—	—	—	—
50,000 .....	189	—	—	—	—	—	—	—
60,000 .....	194	—	—	—	—	—	—	—
70,000 .....	195	—	—	—	—	—	—	—
80,000 .....	191	—	—	—	—	—	—	—
100,000 .....	179	—	—	—	—	—	—	—
120,000 .....	119	—	—	—	—	—	—	—

<sup>1</sup> See footnote 1, table C.<sup>2</sup> Part-time labor force for unemployment also includes persons reentering the labor force, persons who left their last job, and persons by duration of unemployment.

Table E. Standard errors of unemployment rates

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate									
	1	2	5	10	15	20	25	30	35	50
50 .....	2.05	2.88	4.49	6.18	7.36	8.25	8.93	9.46	9.85	10.36
100.....	1.45	2.04	3.18	4.37	5.20	5.83	6.32	6.69	6.97	7.33
500.....	.65	.91	1.42	1.96	2.33	2.61	2.82	2.99	3.12	3.28
1,000.....	.46	.65	1.01	1.38	1.65	1.84	2.00	2.12	2.21	2.32
2,000.....	.32	.46	.71	.98	1.17	1.31	1.42	1.50	1.56	1.64
4,000.....	.23	.32	.50	.69	.83	.92	1.00	1.06	1.10	1.16
6,000.....	.19	.26	.41	.57	.67	.75	.82	.86	.90	.94
10,000.....	.15	.21	.32	.44	.52	.59	.63	.67	.70	.73
20,000.....	.11	.15	.23	.31	.37	.41	.45	.47	.49	.51
60,000.....	.06	.08	.12	.17	.20	.23	.25	.26	.27	.28
100,000.....	.04	.06	.10	.13	.16	.18	.19	.20	.21	.22

**Table F. Standard errors of month-to-month change in unemployment rates**

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate									
	1	2	5	10	15	20	25	30	35	50
50 .....	2.32	3.28	5.12	7.10	8.52	9.64	10.05	11.39	11.97	12.55
100 .....	1.64	2.32	3.62	5.02	6.02	6.81	7.11	8.05	8.39	8.87
500 .....	.74	1.04	1.62	2.25	2.69	3.04	3.17	3.58	3.73	3.93
1,000 .....	.52	.73	1.15	1.59	1.90	2.15	2.24	2.52	2.62	2.74
2,000 .....	.37	.52	.81	1.12	1.34	1.51	1.57	1.76	1.83	1.89
4,000 .....	.26	.37	.57	.79	.94	1.06	1.10	1.22	1.26	1.26
6,000 .....	.21	.30	.47	.64	.76	.86	.89	.97	1.00	—
10,000 .....	.16	.13	.36	.49	.59	.65	.67	.72	—	—
20,000 .....	.11	.15	.24	.33	.39	.44	.48	.51	—	—
60,000 .....	.06	.09	.13	.18	.21	.22	.23	—	—	—
100,000 .....	.05	.07	.10	.13	.14	.14	—	—	—	—

**Table G. Standard errors of estimated percentages and month-to-month change in percentages for labor force data**

Monthly base of percentages (in thousands)	Percentage of monthly level									
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	30 or 70	35 or 65	50
50 .....	2.03	2.85	4.44	6.12	7.28	8.15	8.83	9.34	9.72	10.19
100 .....	1.43	2.02	3.14	4.32	5.15	5.77	6.24	6.61	6.88	7.21
500 .....	.64	.90	1.41	1.93	2.30	2.58	2.79	2.95	3.07	3.22
1,000 .....	.45	.64	.99	1.37	1.63	1.82	1.97	2.09	2.17	2.28
2,000 .....	.32	.45	.70	.97	1.15	1.29	1.40	1.48	1.54	1.61
4,000 .....	.23	.32	.50	.68	.81	.91	.99	1.04	1.09	1.14
6,000 .....	.19	.26	.41	.56	.66	.74	.81	.85	.89	.93
10,000 .....	.14	.20	.31	.43	.51	.58	.62	.66	.69	.73
20,000 .....	.10	.14	.22	.31	.36	.41	.44	.47	.49	.51
40,000 .....	.07	.10	.16	.22	.26	.29	.31	.33	.34	.36
60,000 .....	.06	.08	.13	.18	.21	.24	.25	.27	.28	.29
80,000 .....	.05	.07	.11	.15	.18	.20	.22	.23	.24	.25
100,000 .....	.05	.06	.10	.14	.16	.18	.20	.21	.22	.23
160,000 .....	.04	.05	.08	.11	.13	.14	.16	.17	.17	.18

NOTE: The standard errors in this table must be multiplied by the factors in table H to obtain the approximate standard error for a specific type of characteristic.

**Table H. Factors to be used with Table G to compute approximate standard errors for percentages and month-to-month changes in percentages**

Type of characteristic	Factor		Type of characteristic	Factor	
	Monthly level	Month-to-month change		Monthly level	Month-to-month change
Agricultural employment:			Unemployment:		
Total or full-time labor force .....	1.26	1.05	Part-time labor force, duration of unemployment, left last job, reentering labor force .....		
Part-time labor force .....	1.26	1.50	All other unemployment characteristics:		
Labor force data other than agricultural employment data and unemployment data:			Total or white:		
Total .....	1.00	.74	Total .....		
Males only .....	.93	.84	Both sexes, 16-19 years .....		
Females only .....	.86	.75	Black and other:		
Both sexes, 16-19 years .....	1.00	1.18	Total .....		
Part-time labor force .....	1.00	1.18	Both sexes, 16-19 years .....		

## Establishment data

### (B, C, and D tables)

#### COLLECTION

Payroll reports provide current information on wage and salary employment, hours, earnings, and labor turnover in nonagricultural establishments, by industry and geographic location.

#### Federal-State cooperation

Under cooperative arrangements with State agencies, the respondent fills out a single employment or labor turnover reporting form, which is then used for national, State, and area estimates. This eliminates duplicate reporting on the part of respondents, and together with the use of identical techniques at the national and State levels, insures maximum comparability of estimates.

State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the information to prepare State and area series and then send the establishment data to the BLS (Washington Office) for use in preparing the national series.

#### Shuttle schedules

Two types of data collection schedules are used: Form BLS 790—Report on Employment, Payroll, and Hours; and Form 1219—Monthly Report on Labor Turnover. The collection agency returns the schedule to the respondent each month so that the next month's data can be entered on the space allotted for that month. This "shuttle" procedure assures maximum comparability and accuracy of reporting, since the respondent can see the figures that have been reported for previous months.

Form BLS 790 provides for entry of data on the number of full- and part-time workers on the payrolls of nonagricultural establishments and, for most industries, payroll and hours of production and related workers or nonsupervisory workers for the pay period which includes the 12th of the month. Form DL 1219 provides for the collection of information on the total number of accessions and separations, by type, during the calendar month.

#### CONCEPTS

##### Industrial classification

Establishments reporting on Form BLS 790 and Form DL 1219 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. This information is collected each year on a supplement to the monthly 790 or 1219 report. For an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the principal product or activity.

All data on employment, hours, earnings, and labor turnover for the Nation and for most States and areas are classified in accordance with the 1972 *Standard Industrial Classification Manual* (SICM), Office of Management and Budget.

##### Industry employment

Employment data, except those for the Federal Government, refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the calendar month. Intermittent workers are counted if they performed any service during the month.

The data exclude proprietors, the self-employed, unpaid volunteer or family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees, military personnel are excluded. Employees of the Central Intelligence and National Security Agencies are also excluded.

Persons on establishment payrolls who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during a part of the pay period even though they are unemployed or on strike during the rest of the period are counted as employed. Not counted as employed are persons who are laid off, on leave without pay, or on strike for the entire period or who are hired but have not been paid during the period.

##### Industry hours and earnings

Average hours and earnings data are derived from reports of payrolls and hours for production and related workers in manufacturing and mining, construction workers in construction, and nonsupervisory employees in the remaining private nonagricultural components. For Federal Government, hours and earnings relate to all employees, both supervisory and nonsupervisory. Terms are defined below. When the pay period reported is longer than 1 week, figures are reduced to a weekly basis.

*Production and related workers* include working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plants own use (e.g., power plant), and record-keeping and other services closely associated with the above production operations.

*Construction workers* include the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices, laborers, etc., whether working at the site of construction or in shops or yards, at jobs (such as pre-cutting and preassembling) ordinarily performed by members of the construction trades.

*Nonsupervisory employees* include employees (not above the working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, physicians, lawyers, accountants, nurses, social workers, research aides, teachers, drafters, photographers, beauticians, musicians, restaurant workers, custodial workers, attendants, line installers and repairers, laborers, janitors, guards, and other employees at similar occupational levels whose services are closely associated with those of the employees listed.

*Payroll* covers the payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of the pay period which includes the 12th of the month. The payroll is reported before deductions of any kind, e.g., for old-age and unemployment insurance, group insurance, withholding tax, bonds or union dues; also included is pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), other pay not earned in the pay period reported (e.g., retroactive pay), tips, and the value of free rent, fuel, meals, or other payment in kind are excluded. "Fringe benefits" (such as health and other types of insurance, contributions to retirement, etc. paid by the employer) are also excluded.

*Hours* cover the hours paid for, during the pay period which

includes the 12th of the month, for production, construction, or nonsupervisory workers. Included are hours paid for holidays and vacations, and for sick leave when pay is received directly from the firm.

*Overtime hours* cover hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which includes the 12th of the month. Weekend and holiday hours are included only if overtime premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded.

**Gross average hourly and weekly earnings.** Average hourly earnings are on a "gross" basis. They reflect not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. They also reflect shifts in the number of employees between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

Averages of hourly earnings differ from wage rates. Earnings are the actual return to the worker for a stated period of time; rates are the amount stipulated for a given unit of work or time. The earnings series does not measure the level of total labor costs on the part of the employer since the following are excluded: Irregular bonuses, retroactive items, payments of various welfare benefits, payroll taxes paid by employers, and earnings for those employees not covered under the production worker, construction worker, or nonsupervisory employee definitions.

Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings. Therefore, weekly earnings are affected not only by changes in gross average hourly earnings but also by changes in the length of the workweek. Monthly variations in such factors as proportion of part-time workers, stoppages for varying reasons, labor turnover during the survey period, and absenteeism for which employees are not paid may cause the average workweek to fluctuate.

Long-term trends of gross average weekly earnings can be affected by structural changes in the makeup of the work force. For example, persistent long-term increases in the proportion of part-time workers in retail trade and many of the services industries have reduced average workweeks in these industries and have affected the average weekly earnings series.

**Average weekly hours.** The workweek information relates to the average hours for which pay was received and is different from standard or scheduled hours. Such factors as unpaid absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishment. Group averages further reflect changes in the workweek of component industries.

**Average overtime hours.** The overtime hours represent that portion of the gross average weekly hours which exceeded regular hours and for which overtime premiums were paid. If an employee were to work on a paid holiday at regular rates, receiving as total compensation his holiday pay plus straight-time pay for hours worked that day, no overtime hours would be reported.

Since overtime hours are premium hours by definition, gross weekly hours and overtime hours do not necessarily move in the same direction from month-to-month; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends at the

industry-group level also may be caused by a marked change in hours for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on gross hours.

**Hours and earnings for total private nonagricultural industries.** The series covers all nonagricultural industry divisions except government. The principal source of payroll data is Form BLS 790. Secondary source material such as the Bureau's *Employment and Wages, County Business Patterns* of the Bureau of the Census, and additional supporting information such as *The Hospital Guide, Part II*, of the American Hospital Association and special studies by the National Council of Churches supplement data for certain industry groups within the services division.

For a technical description of this series, see the article, "Hours and Earnings for Workers in Private Nonagricultural Industries," published in the May 1967 issue of *Employment and Earnings and Monthly Report on the Labor Force*. Reprints are available upon request.

**Railroads hours and earnings.** The figures for class I railroads (excluding switching and terminal companies) are based on monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC group I) who received pay during the month. Gross average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

**Spendable average weekly earnings.** Spendable average weekly earnings in current dollars are obtained by deducting estimated Federal social security and income taxes from average weekly earnings. The amount of income tax liability depends on the number of dependents supported by the worker, the worker's marital status, and level of gross income. To reflect these variables, the Bureau calculates two sets of spendable earnings series based on the assumptions that the worker earned the gross average weekly earnings and was taxed at the rates applicable to either (1) a worker with no dependents, or (2) a married worker with three dependents who files a joint return. The computations are based on gross average weekly earnings for all production or nonsupervisory workers in the industry division excluding other income and income earned by other family members.

The series reflects the spendable earnings of only those workers, with no dependents or three dependents, whose gross weekly pay approximates the average earnings indicated for all production and nonsupervisory workers. It does not reflect, for example, the average earnings of all married workers with three dependents; such workers, in fact have higher gross average earnings than workers with no dependents.

Since part-time as well as full-time workers are included, and since the proportion of part-time workers has been rising, the series understates the increase in earnings for full-time workers. As noted, "fringe benefits" are not included in the earnings. For a more complete discussion of the uses and limitations of these series, see the article by Paul M. Schwab, "Two Measures of Purchasing Power Contrasted," in the *Monthly Labor Review* for April 1971. Reprints of this article are available upon request from the Bureau of Labor Statistics.

"Real" earnings or earnings in constant dollars, are computed by dividing the earnings averages for the current month by the Consumer Price Index for Urban Wage Earners and Clerical

Workers (CPI-W), and then multiplying by 100. "Real" earnings for months prior to January 1978 are deflated by the unrevised CPI-W, whereas those for January 1978 forward are deflated by the revised CPI-W. This is done for gross average weekly earnings and for spendable average weekly earnings. The level of earnings is thus adjusted for changes in the purchasing power of the dollar since the base period (1967).

**Average hourly earnings excluding overtime.** Average hourly earnings excluding overtime premium pay are computed by dividing the total production-worker payroll for the industry group by the sum of total production-worker hours and one-half of total overtime hours. Prior to January 1956, these data were based on the application of adjustment factors to gross average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 537-540). Both methods eliminate only the earnings due to overtime paid for at 1½ times the straight-time rates. No adjustment is made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

**Indexes of aggregate weekly payrolls and hours.** The indexes of aggregate weekly payrolls and hours are prepared by dividing the current month's aggregate by the monthly average for the 1967 period. The hour aggregates are the product of average weekly hours and production-worker or nonsupervisory-worker employment, and the payroll aggregates are the product of hour aggregates and average hourly earnings. At all higher levels of aggregation, hour and payroll aggregates are the sum of the component aggregates.

**Indexes of diffusion of changes in number of employees on non-agricultural payrolls.** These indexes measure the percent of industries which posted increases in employment over the specified time span. The indexes are calculated from 172 unpublished seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in "Introduction of Diffusion Indexes," in the December 1974 issue of *Employment and Earnings*.

#### Labor turnover

Labor turnover is the gross movement of wage and salary workers into and out of employed status with respect to individual establishments. This movement, which relates to a calendar month, is divided into two broad types: *Accessions* (new hires and rehires) and *separations* (terminations of employment initiated by either employer or employee). Each type of action is cumulated for a calendar month and expressed as a rate per 100 employees. The data relate to all employees, whether full- or part-time, permanent or temporary, including executive, office, sales, other salaried personnel, and production workers. Transfers to another establishment of the company are included, beginning with January 1959.

*Accessions* are the total number of permanent and temporary additions to the employment roll, including both new and rehired employees.

*New hires* are temporary or permanent additions to the employment roll of persons who have never before been employed in the establishment (except employees transferring from another establishment of the same company) or of former employees not recalled by the employer.

*Recalls* are permanent or temporary additions to the employment roll of persons specifically recalled to a job in the same establishment of the company following a period of layoff lasting

more than 7 consecutive days. (The collection of recalls, as a separate item, began January 1976.)

*Other accessions* are all additions to the employment roll which are not classified as new hires or recalls. These include transfers from other establishments of the company and former employees returning from military leave or other absences without pay who have been counted as separations. Data on other accessions are not published separately but are included in total accessions.

*Separations* are terminations of employment during the calendar month and are classified according to cause: Quits, layoffs, and other separations are defined as follows:

*Quits* are terminations of employment initiated by employees, failure to report after being hired (if counted as new hires previously), and unauthorized absences, if on the last day of the month the person has been absent more than 7 consecutive calendar days.

*Layoffs* are suspensions without pay lasting or expected to last more than 7 consecutive calendar days, initiated by the employer without prejudice to the worker.

*Other separations*, which are not published separately but are included in total separations, are terminations of employment because of discharge, permanent disability, death, retirement, transfers to another establishment of the company, and entrance into the Armed Forces for a period expected to last more than 30 consecutive calendar days.

#### Relationship of labor turnover to employment series

Month-to-month changes in total employment in manufacturing industries reflected by labor turnover rates are not comparable with the changes shown in the Bureau's employment series for the following reasons: (1) Accessions and separations are computed for the entire calendar month; the employment reports refer to the pay period which includes the 12th of the month; and (2) employees on strike are not counted as turnover actions although such employees are excluded from the employment estimates if the work stoppage extends through the report period.

#### ESTIMATING METHODS

The principal features of the procedure used to estimate employment for the industry statistics are (1) the use of the "link relative" technique, which is a form of ratio estimation, (2) periodic adjustment of employment levels to new benchmarks, and (3) the use of size and regional stratification.

#### The "link relative" technique

From a sample composed of establishments reporting for both the previous and current months, the ratio of current month employment to that of the previous month is computed. This is called a "link relative." The estimates of employment (all employees, including production and nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives." In addition, small bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past experience. Other features of the general procedures are described in table I. Summary of methods for

**Table I. Summary of methods for computing industry statistics on employment, hours, earnings, and labor turnover**

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
<b>Monthly data</b>		
All employees .....	All-employees estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months.	Sum of all-employee estimates for component cells.
Production or nonsupervisory workers, women employees .....	All-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) estimated ratio of women to all employees. <sup>2</sup>	Sum of production- or nonsupervisory-worker estimates, or estimates of women employees, for component cells.
Gross average weekly hours .....	Production- or nonsupervisory-worker hours divided by number of production or nonsupervisory workers. <sup>2</sup>	Average, weighted by production- or nonsupervisory-worker employment, of the average weekly hours for component cells.
Average weekly overtime hours .....	Production-worker overtime hours divided by number of production workers. <sup>2</sup>	Average, weighted by production-worker employment, of the average weekly overtime hours for component cells.
Gross average hourly earnings .....	Total production- or nonsupervisory-worker payroll divided by total production- or nonsupervisory-worker hours. <sup>2</sup>	Average, weighted by aggregate hours, of the average hourly earnings for component cells.
Gross average weekly earnings .....	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates .....	The number of particular actions (e.g., quits) in reporting establishments divided by total employment in those firms. The result is multiplied by 100.	Average, weighted by employment, of the rates for component cells.
<b>Annual average data</b>		
All employees, women employees, and production or nonsupervisory workers .....	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross average weekly hours .....	Annual total of aggregate hours (production- or nonsupervisory-worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours .....	Annual total of aggregate overtime hours (production-worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime hours for production workers divided by annual sum of employment for these workers.

See footnotes at end of table.

**Table I. Summary of methods for computing industry statistics on employment, hours, earnings, and labor turnover—Continued**

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
Annual average data—Continued		
Gross average hourly earnings .....	Annual total of aggregate payrolls (product of production- or nonsupervisory-worker employment by weekly hours and hourly earnings) divided by annual aggregate hours.	Annual total of aggregate payrolls divided by annual aggregate hours.
Gross average weekly earnings .....	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates .....	Annual aggregate (of each labor turnover action) divided by annual sum of employment.	Annual aggregate (of each labor turnover action) divided by annual sum of employment.

<sup>1</sup> The estimates result from multiplying the product shown by business birth adjustment factors to compensate for the under representation of newly formed enterprises in the sample.

<sup>2</sup> The sample production-worker ratio, women-worker ratio, average weekly hours, average overtime hours, and average hourly earnings are modified by a wedging technique designed to com-

computing industry statistics on employment, hours, earnings, and labor turnover.

#### Size and regional stratification

A number of industries are stratified by size of establishment and/or by region, and the stratified production- or nonsupervisory worker-data are used to weight the hours and earnings into broader industry groupings. Accordingly, the basic estimating cell for an employment, hours, or earnings series, as the term is used in the summary of computational methods, may be a whole industry or a size stratum, a region stratum, or a size stratum of a region within an industry.

#### Benchmark adjustments

Employment estimates are compared periodically with comprehensive counts of employment which provide "benchmarks" for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1977 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover nearly nine-tenths of the total nonagricultural employment in the United States. Benchmark data for the residual are obtained from the records of the Social Security Administration, the Interstate Commerce Commission, and a number of other agencies in private industry or government.

The estimates for the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates between benchmark periods are adjusted at levels between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions made at the time of the March 1977 benchmark adjustment is shown in table J.

pense for changes in the sample arising mainly from the voluntary character of the reporting. The wedging procedure accepts the advantage of continuity from the use of the matched sample, and at the same time, tapers or wedges the estimate toward the level of the latest sample average.

**Table J. Comparison of nonagricultural employment benchmarks based on 1972 SIC and estimates based on 1967 SIC for 1977**

Industry division	Benchmark (1972 SIC) March 1977	Estimate (1967 SIC) March 1977	Percent difference
Total .....	80,493	80,547	-0.1
Mining .....	805	827	-2.7
Construction .....	3,430	3,451	.6
Manufacturing .....	19,253	19,183	.4
Transportation and public utilities .....	4,603	4,522	1.8
Wholesale and retail trade .....	17,891	17,799	.5
Finance, insurance, and real estate .....	4,377	4,422	-1.0
Services .....	14,935	15,028	-.6
Government .....	15,199	15,315	-.8

Data for all months since the last benchmark to which the series has been adjusted are subject to revision. To provide users of the data with a convenient reference source for the revised data, the BLS publishes, as soon as possible after each benchmark revision, a summary volume of employment, hours, earnings, and labor turnover statistics, entitled *Employment and Earnings, United States*.

#### THE SAMPLE

##### Design

The sampling plan used in the current employment statistics program is known as "sampling proportionate to average size of

establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percentage of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to design samples for these industries with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuations from regular cyclical or seasonal patterns than do establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

In the context of the BLS employment and labor turnover statistics programs, with their emphasis on producing timely data at minimum cost, a sample must be obtained which will provide coverage of a sufficiently large segment of the universe to provide reasonably reliable estimates that can be published promptly and regularly. The present sample meets these specifications for most industries. With its use, the BLS is able to produce preliminary estimates each month for many industries and for many geographic levels within a few weeks after reports are mailed by respondents, and at a somewhat later date, statistics in considerably greater industrial detail.

#### Coverage

The BLS sample of establishment employment and payrolls is the largest monthly sampling operation in the field of social statistics. Table K shows the approximate proportion of total employment in each industry division covered by the group of establishments furnishing monthly employment data. The coverage for individual industries within the division may vary from the proportions shown. Table L shows the approximate coverage, in terms of employment, of the labor turnover sample.

#### Reliability of the employment estimates

Although the relatively large size of the BLS establishment sample assures a high degree of accuracy, the estimates derived from it may differ from the figures that would be obtained if it were possible to take a complete census using the same schedules and procedures. As discussed under the previous section, a "link relative" technique is used to estimate employment. This requires the use of the previous month's estimate as the base in computing the current month's estimate. Thus, small sampling and response errors may cumulate over several months. To remove this accumulated error, the estimates are usually adjusted annually to new benchmarks. In addition to taking account of sampling and response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Table M presents the average percent revisions (based on the 1967 SIC) of the

**Table K. Approximate size and coverage of BLS employment and payrolls sample, March 1977<sup>1</sup>**

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total .....	164,300	32,152,000	40
Mining .....	2,100	313,000	39
Construction .....	16,300	686,000	20
Manufacturing .....	47,100	11,166,000	58
Transportation and public utilities:			
Railroad transportation (ICC) .....	77	508,000	95
Other transportation and public utilities ..	7,400	2,208,000	53
Wholesale and retail trade .....	40,600	3,242,000	18
Finance, insurance, and real estate .....	10,600	1,583,000	36
Services .....	24,300	2,896,000	19
Government:			
Federal (Civil Service Commission) <sup>2</sup> .....	3,700	2,714,000	100
State and local .....	12,100	6,836,000	55

<sup>1</sup> Since a few establishments do not report payroll and hour information, hours and earnings estimates may be based on a slightly smaller sample than employment estimates.

<sup>2</sup> National estimates of Federal employment are provided to the BLS by the Civil Service Commission. State and area estimates are based on a sample of 3,700 reports covering about 55 percent of employment in Federal establishments.

**Table L. Approximate size and coverage of BLS labor turnover sample, March 1977**

Industry	Employees	
	Number reported	Percent of total
Total .....	10,070,140	49
Manufacturing .....	9,233,370	48
Mining .....	136,810	41
Telephone communication....	699,960	72

six most recent benchmarks (excluding the March 1973 adjustment) for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

The hours and earnings estimates for cells are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. The hours and earnings estimates, however, are subject to sampling errors which may be expressed as relative errors of the estimates. (A relative error is a standard error expressed as a percent of the estimate.) Relative errors (based on the 1967 SIC) for major industries are presented in table M and for individual industries with the specified number of employees in table N. The chances are about 2 out of 3 that the hours and earnings estimates from the sample would differ by a smaller percentage than the relative error

from the averages that would have been obtained from a complete census.

One measure of the reliability of the employment estimates for individual industries is the root-mean-square error (RMSE). The measure is the standard deviation adjusted for the bias in estimates

$$RMSE = \sqrt{(Standard\ Deviation)^2 + (Bias)^2}$$

If the bias is small, the chances are about 2 out of 3 that an estimate from the sample would differ from its benchmark by less than the root-mean-square error. The chances are about 19 out of 20 that the difference would be less than twice the root-mean-square error.

Approximations of the root-mean-square errors (based on the experience of the last 6 years and the 1967 SIC) of differences between final estimates and benchmarks are presented in table N.

For the two most recent months, estimates of employment, hours, and earnings are preliminary and are so footnoted in the tables. These figures are based on less than the total sample and are revised when all the reports in the sample have been received. Table O presents root-mean-square errors of the amounts of revisions that may be expected between the preliminary and final levels of employment and preliminary and final month-to-month changes. Revisions of preliminary hours and earnings estimates are

**Table M. Average benchmark percent revision in employment estimates and relative errors for average weekly hours and average hourly earnings by industry division<sup>1</sup>**

[In percent]

Industry division	Average bench- mark re- vision in estimates of employ- ment <sup>2</sup>	Relative errors <sup>3</sup> (in percent)	
		Average weekly hours	Average hourly earnings
Total nonagricultural employ- ment .....	0.2		
Total private .....	.1	0.1	0.2
Mining .....	1.2	.5	.5
Contract construction .....	1.2	.2	.3
Manufacturing .....	.3	.1	.1
Durable .....	.4	.1	.1
Nondurable goods .....	.3	.1	.1
Transportation and public utilities .....	.4	.7	.4
Trade .....	.3	.1	.2
Wholesale .....	1.0	.2	.3
Retail .....	.2	.2	.2
Finance, insurance, and real estate .....	.4	.2	.4
Services .....	.6	.4	.8
Government <sup>4</sup> .....	.6	—	—

<sup>1</sup> Based on 1967 SIC.

<sup>2</sup> The average percent revision in employment for the 1967-71 and 1974 benchmarks.

<sup>3</sup> Relative errors relate to March 1971 data.

<sup>4</sup> Estimates for government are based on a total count for Federal Government and samples for State and local government benchmarked to a quinquennial census of government conducted by the Bureau of the Census.

normally not greater than .1 of an hour for weekly hours and 1 cent for hourly earnings.

**Table N. Root-mean-square errors of differences between benchmarks and estimates of employment and average relative errors for average weekly hours and average hourly earnings<sup>1</sup>**

Size of employment estimate	Root-mean- square error of employment estimates <sup>2</sup>	Relative errors <sup>3</sup> (in percent)	
		Average weekly hours	Average hourly earnings
50,000 .....	1,900	0.9	1.5
100,000 .....	2,700	.7	1.1
200,000 .....	4,100	.5	.9
500,000 .....	9,600	.4	.8
1,000,000 .....	13,000	.3	.5
2,000,000 .....	16,800	.3	.5

<sup>1</sup> Based on 1967 SIC.

<sup>2</sup> Assuming 12-month intervals between benchmark revisions.

<sup>3</sup> Relative errors relate to March 1971 data.

**Table O. Errors of preliminary employment estimates<sup>1</sup>**

Size of employment estimate	Root-mean-square error of	
	Monthly level	Month-to- month change
50,000 .....	600	600
100,000 .....	800	700
200,000 .....	1,400	1,200
500,000 .....	3,300	3,200
1,000,000 .....	4,200	4,200
2,000,000 .....	6,500	6,300
10,000,000 .....	27,000	23,000
Total nonagricultural employment .....	94,000	81,000
Mining .....	6,000	5,000
Contract construction .....	17,000	15,000
Manufacturing .....	35,000	33,000
Transportation and public utilities .....	14,000	12,000
Wholesale and retail trade .....	33,000	31,000
Finance, insurance, and real estate .....	6,000	6,000
Services .....	27,000	22,000
Government .....	45,000	39,000

<sup>1</sup> Based on 1967 SIC.

#### STATISTICS FOR STATES AND AREAS

State and area employment, hours, earnings, and labor turnover data are collected and prepared by State agencies in cooperation with BLS. The area statistics relate to metropolitan areas. Definitions for all areas are published each year in the issue of *Employment and Earnings* that contains State and area annual averages (usually the May issue). Changes in definitions are noted as they occur. Additional industry detail may be obtained from the State agencies listed on the inside back cover of each issue. These statistics are based on the same establishment reports used by BLS for preparing national estimates. For employment, the sum of the State figures may differ slightly from the equivalent official U.S. totals on a national basis, because some States have more recent benchmarks than others and because of the effects of differing industrial and geographic stratification.

For the States and the areas shown in the B and C sections of this periodical, all the annual average data for the detailed industry statistics currently published by each cooperating State agency are presented (from the earliest date of availability of each series) in a summary volume published annually by the BLS.

## PRODUCTIVITY DATA

Tables C-10, C-11, and C-12 are compiled by the Bureau of Labor Statistics from establishment data and from estimates of compensation and Gross National Product supplied by the U.S. Department of Commerce and the Federal Reserve Board.

### Definition

*Hours of wage and salary workers in nonagricultural establishments* refer to hours paid for all employees—production workers, nonsupervisory workers, and salaried workers.

*Output* is the constant dollar market value of final goods and services produced in a given period. Indexes of *output per hour* of labor input, or labor productivity, measure changes in the volume of goods and services produced per unit of labor.

*Compensation per hour* includes wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. The data also include an estimate of wages, salaries, and supplementary payment for the self-employed, except for non-financial corporations, in which there are no self-employed.

*Real compensation per hour* is compensation per hour adjusted to eliminate the effect of changes in the Consumer Price Index, for All Urban Consumers (CPI-U).

*Unit labor costs* measure the labor compensation cost required to produce one unit of output and are derived by dividing compensation per hour by output per hour. *Unit nonlabor payments* include profits, depreciation, interest, and indirect taxes per unit of output. They are computed by subtracting compensation of all persons from the current dollar gross national product and dividing by output, in these tables, unit nonlabor costs contain all the components of unit nonlabor payments except unit profits. *Unit profits* include corporate profits and inventory valuation adjustments per unit of output.

The *implicit price deflator* is derived by dividing the current dollar estimate of gross product by the constant dollar estimate, making the deflator, in effect, a price index for gross product of the sector reported.

### Notes on the data

For the private business sector and the nonfarm business sector, these indexes relate to the Gross Domestic Product less households and institutions, owner-occupied housing, and statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the Gross Domestic Product of nonfinancial corporate business.

Manufacturing data have been revised to reflect revisions in the Federal Reserve Board Index of Industrial Production. Output data are supplied by the Bureau of Economic Analysis, U.S. Department of Commerce, and the Federal Reserve Board. Quarterly measures have been adjusted by the Bureau of Labor Statistics to annual estimates of output (gross product originating) from the Bureau of Economic Analysis. Compensation and hour data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics.

## State and area unemployment data

(E table)

### FEDERAL-STATE COOPERATIVE PROGRAM

Labor force and unemployment estimates for States, labor market areas (LMA's), and other areas covered under Federal assistance programs are developed by State employment security agencies under a Federal-State cooperative program. The local unemployment estimates which are derived from standardized procedures developed by BLS are the basis for determining eligibility of an area for benefits under Federal programs such as the Comprehensive Employment and Training Act, the Public Work Employment Act and the Public Works and Economic Development Act.

### ESTIMATING METHODS

Labor force and unemployment in 10 large States: New York, California, Illinois, Ohio, New Jersey, Pennsylvania, Michigan, Texas, Massachusetts, and Florida; and two areas: Los Angeles-Long Beach metropolitan area and New York City, are sufficiently

reliable to be used directly from the CPS. For a description of the CPS concepts see "Explanatory note A, Household Data," above.

Monthly employment and unemployment estimates in the remaining 40 States and 205 labor market areas are prepared in several stages.

**1. Preliminary estimate—Employment:** The total employment estimate is based primarily on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate must be adjusted to refer to place of residence as used in the CPS. Factors for adjusting from place of work to place of residence have been developed for the major categories of employment by class of worker and industry on the basis of employment relationships which existed at the time of the 1970 Decennial Census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates.

**2. Preliminary estimate-Unemployment:** In the current month, the estimate of unemployment is an aggregate of the estimates for each of three building block categories: (1) Persons who were previously employed in industries covered by State UI laws; (2) those previously employed in industries not covered by these laws; and (3) those who were either entering the labor force of the first time or reentering after a period of separation. This is referred to below, as the UI-based estimate.

An estimate for those previously employed in covered industries is derived from a count of current unemployment insurance claimants, plus estimates of claimants whose benefits have been exhausted, those persons disqualified from receiving benefits for nonmonetary reasons (because they quit, were discharged for cause, etc., but would otherwise have been eligible), and persons who either filed claims late, or not at all.

The estimate of those previously employed in industries not covered by UI is derived by applying to the employment estimate for each non-covered industry or class of worker subgroup in the State, the ratio of covered unemployment to covered employment, weighted by factors reflecting national historical relationships.

For the third category, new entrants and reentrants into the labor force, a composite estimate is developed from equations that relate the total entrants into the labor force to the experienced unemployed and the experienced labor force. For each month, the estimate of entrants into the labor force is a function of: (a) the month of the year; (b) the level of the experienced unemployed; (c) the level of the experienced labor force; and (d) proportion of the working age population that is considered "youth." The composite estimate of total entrants is defined as:

$$U = A(X+E) + BX, \text{ Where}$$

U=total entrant unemployment

E=total employment

X=total experienced unemployment

A,B=synthetic factors incorporating seasonal variation and an assumed relationship between the proportion of youths in the working population and the historical relationship of entrants to the experienced unemployed (B factor) or the experienced labor force (A factor).

**3. Correction factors for employment and unemployment** are then applied at the State level to the UI-based estimates obtained above for each of the 40 States and the District of Columbia. These correction factors are based on the ratio of the CPS to the UI-based estimates for the six month period ending in the current month (e.g. a 6-month moving average).

**4. Substate adjustment for additivity.** Independent estimates of employment and unemployment are prepared both for the State (obtained directly from the CPS in the 10 large States or by the UI-based method in the remaining States), and labor market areas (LMA's) within the State. The total labor force included in the LMA's exhaust the geographic boundaries of the State. A proportional adjustment is applied to all substate LMA estimates to ensure that the substate estimates of employment and unemployment add to the independent State totals. In California and New York, which also have substate areas taken directly from the CPS, the additivity adjustment for the remaining areas is applied to the State total minus the direct CPS area.

**5. Benchmark correction procedures.** Once each year monthly estimates prepared by State employment security agencies using UI-based estimating procedures are adjusted, or benchmarked, by BLS to the annual average CPS estimates for the 40 States for which monthly CPS estimates are not available. This adjustment is necessary because the State-prepared estimates are not as reliable as the CPS annual averages due to differences in State UI laws, the structural limitations of the UI-based estimating method, and errors in the UI data.

The benchmarked estimates are produced in three stages. First, the monthly UI-based estimates are adjusted by the ratio of the CPS to the UI-based annual averages. Second, the difference between the ratio of annual averages for two consecutive years is wedged into the monthly estimates in order to minimize the disturbance to the original series. Finally, the second-stage estimates are forced into agreement with CPS annual averages. In the 10 States which use CPS estimates monthly, no benchmark correction is required, as the average of the 12 monthly State CPS estimates will equal the CPS annual averages.

## Seasonal adjustment

Many economic statistics reflect a regularly recurring seasonal movement which can be estimated on the basis of past experience. By eliminating that part of the change which can be ascribed to usual seasonal variation, it is possible to observe the cyclical and other nonseasonal movements in the series. However, in evaluating deviations from the seasonal pattern—that is, changes in a seasonally adjusted series—it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors, but in addition, are affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment data are published regularly in *Employment and Earnings*.

The seasonal adjustment programs used for these series are an adaptation of the standard ratio-to-moving average method. They provide for "moving" adjustment factors to take account of changing seasonal patterns. A detailed description of the methods is given in the two publications, *BLS Seasonal Factor Method (1966)* and *X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15, Bureau of the Census (1967).

Data for the household series are seasonally adjusted utilizing the Census Bureau's X-11 Method. Each January, seasonal adjustment factors for unemployment and other labor force series are revised to take into account data from the previous year. In January 1976, in addition to the routine annual revisions, the Bureau introduced a modification in the procedure for seasonally

adjusting teenage unemployment and those few other unemployment series (e.g., unemployed new entrants) of which teenagers are the exclusive or major part. In January 1978, modifications were introduced in the procedure for seasonally adjusting teenage nonagricultural employment, a number of other teenage employment series, and adult male unemployment.

All civilian labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. For example, for each of the three major labor force components—agricultural employment, nonagricultural employment and unemployment—data for four sex-age groups (males and females under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. In order to provide seasonally adjusted total employment and civilian labor force estimates, the appropriate series are aggregated. The unemployment rate for all civilian workers is derived by dividing the estimate for total unemployment (the sum of 4 seasonally adjusted sex-age components) by the civilian labor force (the sum of 12 seasonally adjusted sex-age components).

Revised seasonally adjusted series for major components of the labor force based on data through December 1977, new seasonal factors for the 12 major components of the civilian labor force, and a description of the seasonal adjustment methodology are published in the February 1978 *Employment and Earnings*. Many additional series, which are either components or aggregates of the series presented, are available from the BLS upon request.

For establishment data, seasonally adjusted series for all employees, women employees, production workers, hours, and earnings, are computed using the *BLS Seasonal Factor Method*. Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly

earnings and seasonally adjusted weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted revised Consumer Price Index for Urban Wage Earners and Clerical Workers (revised CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, and dividing by the 1967 base. For total private, total goods-producing, total private service-producing, trade, manufacturing, and durable and nondurable goods industries, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1967 base.

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Postal Service in December. The employment of these workers constitutes the only significant seasonal change in Federal Government employment during the winter months. Furthermore, the volume of such employment may change substantially from year to year because of administrative decisions by the Postal Service. Hence, it was considered desirable to exclude this group from the data upon which the seasonally adjusted series is based.

For labor turnover rates, seasonal adjustment factors are applied directly to the component series. These series are then aggregated to obtain total levels (total accessions and total separations). These factors are derived by the *Census X-11 Method* using the trading day option. As a result, these series are adjusted for the number of times each day of the week occurs in a given month, as well as for the month of the year.

The revised seasonally adjusted series for the establishment data reflect experience through May 1978. Seasonal factors to be used for current adjustment appear in the October 1978 issue of *Employment and Earnings*.

Additional information concerning the preparation of the labor force, employment, hours, earnings, and labor turnover series—concepts and scope, survey methods, and limitations—is contained in the *Handbook of Methods, BLS Bulletin 1910*.

# U.S. Department of Labor

## Bureau of Labor Statistics

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### COOPERATING STATE AGENCIES

*State and Local Area Unemployment Statistics Program (LAUS), Current Employment Statistics Program (CES), and  
Labor Turnover Statistics Program (LTS)*

BLS  
Region

IV ALABAMA	-Department of Industrial Relations, Industrial Relations Building, Montgomery 36130
X ALASKA	-Employment Security Division, Department of Labor, P.O. Box 3-7000, Juneau 99802
IX ARIZONA	-Department of Economic Security, P.O. Box 6123, Phoenix 85005
VI ARKANSAS	-Employment Security Division, Department of Labor, P.O. Box 2981, Little Rock 72203
IX CALIFORNIA	-Employment Development Department, P.O. Box 1679, Sacramento 95808 (LAUS and CES).
VIII COLORADO	-Management Services, Department of Labor and Employment, 1210 Sherman Street, Denver 80203
I CONNECTICUT	-Employment Security Division, Labor Department, 200 Folly Brook Boulevard, Wethersfield 06109
III DELAWARE	-Department of Labor, University Plaza Office Complex, Bldg. D, Chapman Rd., Route 273, Newark 19713
III DIST. OF COL.	-Office of Administration and Management Service, D.C. Department of Manpower, Suite 1000, 605 G Street, N.W., Washington 20001
IV FLORIDA	-Department of Commerce, Caldwell Building, Tallahassee 32304
IV GEORGIA	-Department of Labor, 254 Washington Street, S.W., Atlanta 30334
IX HAWAII	-Department of Labor and Industrial Relations, P.O. Box 3680, Honolulu 96811
X IDAHO	-Department of Employment, P.O. Box 35, Boise 83707
V ILLINOIS	-Bureau of Employment Security, 910 South Michigan Street, Chicago 60605
V INDIANA	-Employment Security Division, 10 North Senate Avenue, Indianapolis 46204
VII IOWA	-Department of Job Services, 1000 East Grand Avenue, Des Moines 50319
VII KANSAS	-Division of Employment, Department of Human Resources, 401 Topeka Avenue, Topeka 66603
IV KENTUCKY	-Department of Human Resources, 275 E. Main Street, 2nd Floor West, Frankfort 40601
VI LOUISIANA	-Department of Labor, P.O. Box 44094-Capitol Station, Baton Rouge 70804
I MAINE	-Employment Security Commission, Department of Manpower Affairs, 20 Union Street, Augusta 04330
III MARYLAND	-Department of Human Resources, 1100 North Eutaw Street, Baltimore 21201
I MASSACHUSETTS	-Division of Employment Security, Charles F. Hurley Building, Government Center, Boston 02114
V MICHIGAN	-Employment Security Commission, Department of Labor, 7310 Woodward Avenue, Detroit 48202
V MINNESOTA	-Department of Economic Security, 390 North Robert Street, St. Paul 55101
IV MISSISSIPPI	-Employment Security Commission, P.O. Box 1699, Jackson 39205
VII MISSOURI	-Division of Employment Security, Department of Labor and Industrial Relations, P.O. Box 59, Jefferson City 65101
VIII MONTANA	-Employment Security Division, Department of Labor and Industry, P.O. Box 1728, Helena 59601
VII NEBRASKA	-Division of Employment, Department of Labor, P.O. Box 94600, State House Station, Lincoln 68509
IX NEVADA	-Employment Security Department, P.O. Box 602, Carson City 89713
I NEW HAMPSHIRE	-Department of Employment Security, 32 South Main Street, Concord 03301
II NEW JERSEY	-Department of Labor and Industry, 202 John Fitch Plaza, Trenton 08625
VI NEW MEXICO	-Employment Service Division, Department of Human Services, P.O. Box 1928, Albuquerque 87103
II NEW YORK	-Division of Research and Statistics, N.Y. State Department of Labor, State Campus-Building 12, Albany 12201
IV NORTH CAROLINA	-Employment Security Commission, P.O. Box 25903, Raleigh 27611
VIII NORTH DAKOTA	-Employment Security Bureau, P.O. Box 1537, Bismarck 58505
V OHIO	-Division of Research and Statistics, Bureau of Employment Services, 145 S. Front St., Columbus 43216
VI OKLAHOMA	-Employment Security Commission, 301 Will Rogers Memorial Office Building, Oklahoma City 73105
X OREGON	-Employment Division, Department of Human Resources, Room 402, 875 Union Street, N.E., Salem 97310
III PENNSYLVANIA	-Department of Labor and Industry, Seventh and Forster Streets, Harrisburg 17121
I RHODE ISLAND	-Division of Statistics and Census, Department of Labor, 220 Elmwood Avenue, Providence 02907 (CES). Department of Employment Security, 24 Mason Street, Providence 02903 (LAUS and LTS)
IV SOUTH CAROLINA	-Employment Security Commission, P.O. Box 995, Columbia 29202
VIII SOUTH DAKOTA	-Department of Labor, P.O. Box 1730, Aberdeen 57401
IV TENNESSEE	-Department of Employment Security, Room 519, Cordell Hull Office Building, Nashville 37219
VI TEXAS	-Employment Commission, TEC Building, 15th and Congress Avenue, Austin 78778
VIII UTAH	-Department of Employment Security, P.O. Box 11249, Salt Lake City 84147
I VERMONT	-Department of Employment Security, P.O. Box 488, Montpelier 05602
III VIRGINIA	-Division of Research and Statistics, Department of Labor and Industry, P.O. Box 12064, Richmond 23241 (CES). Employment Commission, P.O. Box 1358, Richmond 23211 (LAUS and LTS)
X WASHINGTON	-Employment Security Department, 1007 South Washington Street, Olympia 98501
III WEST VIRGINIA	-Department of Employment Security, State Office Building, 112 California Avenue, Charleston 25305
V WISCONSIN	-Department of Industry, Labor, and Human Relations, P.O. Box 7944, Madison 53707
VIII WYOMING	-Employment Security Commission, P.O. Box 2760, Casper 82601