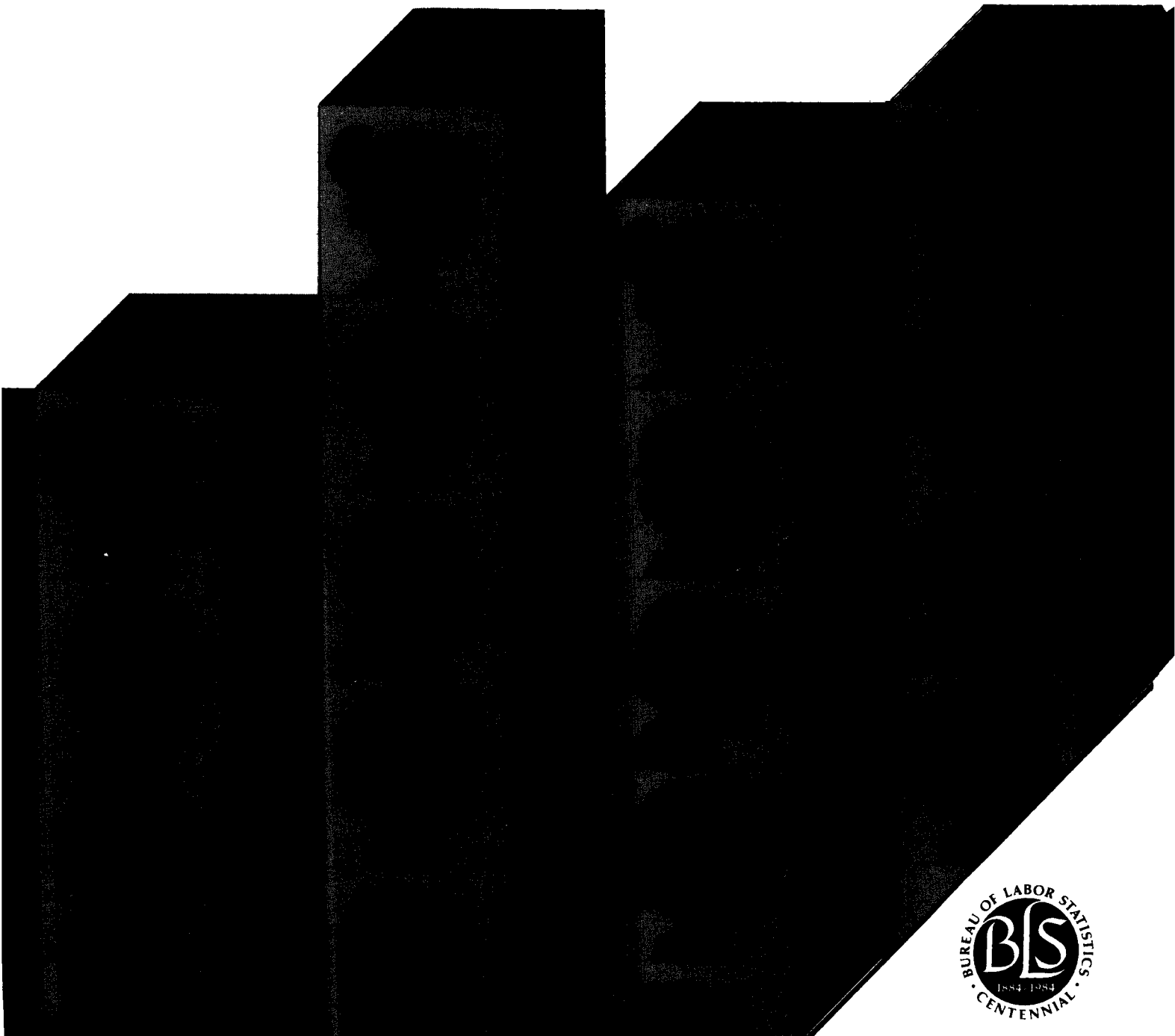


# EMPLOYMENT AND EARNINGS

June 1984

U.S. Department of Labor  
Bureau of Labor Statistics

In this issue:  
Establishment data  
adjusted to new  
benchmarks





**U.S. DEPARTMENT OF LABOR**  
Raymond J. Donovan, Secretary

**BUREAU OF LABOR STATISTICS**  
Janet L. Norwood, Commissioner

*Employment and Earnings* is prepared by the Division of Data Development and Users' Services and the Division of Monthly Industry Employment Statistics in collaboration with the Division of Special Publications. The data are collected by the Bureau of the Census (Department of Commerce) and State employment security agencies, in cooperation with the Bureau of Labor Statistics. A brief description of the cooperative statistical programs of the BLS with these agencies is presented in the Explanatory Notes. The State agencies are listed on the inside back cover.

*Employment and Earnings* may be ordered through the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Subscription price per year \$39 domestic and \$48.75 foreign. Single copy \$6 domestic and \$7.50 foreign. Annual supplement \$7.50 domestic and \$9.40 foreign. Prices are subject to change by the U.S. Government Printing Office. For ordering information call (202) 783-3238.

Communications on material in this publication should be addressed to: Editors, Employment and Earnings, Bureau of Labor Statistics, Washington, D.C. 20212, or phone: Gloria P. Green (202) 523-1821. Send correspondence on circulation and subscription matters (including address changes) to the Superintendent of Documents.

The Secretary of Labor has determined that publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through July 1, 1985. Second-class postage paid at Washington, D.C. and at additional mailing addresses.

Material in this publication is in the public domain and, with appropriate credit, may be reproduced without permission.

ISSN 0013-6840

## Calendar of Features

In addition to the monthly data appearing regularly in *Employment and Earnings* special features appear in most of the issues as shown below:

### Household data

Annual averages	Jan.
Revised seasonally adjusted series	Jan., Feb.
Quarterly averages: Seasonally adjusted data, persons not in labor force, persons of Hispanic origin, Vietnam-era veterans and nonveterans, metropolitan-nonmetropolitan area data, family relationship data, weekly earnings data	Jan., Apr., July, Oct.

### Establishment data

National annual averages:	
Industry divisions (preliminary)	Jan.
Industry detail (final)	Mar.
Women employees (final)	Mar.
National data revised to reflect new benchmarks and new seasonal factors	June <sup>1</sup>
Revised historical national data	Supplement <sup>2</sup>
State and area annual averages	May
Area definitions	May

### State and area labor force data

Annual averages	May
-----------------	-----

<sup>1</sup> Issue varies. Latest revised data introduced June 1984.

<sup>2</sup> Month of publication varies. The latest supplement was published in July 1983.

# Employment and Earnings

Vol. 31 No. 6 June 1984

Editors: Gloria Peterson Green, Rosalie K. Epstein

## Editors' note

This issue presents revised establishment-based data (national series) which reflect employment benchmarks (comprehensive counts of employment) for March 1983. In addition, seasonally adjusted establishment data have been revised back 5 years, which is the usual practice, as a result of the recalculation of seasonal factors based on experience through March 1984.

The revised data appear in tables B-1 through B-7 and C-1 through C-7. For a discussion of the effects of the revisions, see the article on page 6. This article also gives the new seasonal factors to be used to adjust establishment data for April 1984 through March 1985. Revised historical data will be published in a July 1984 supplement to *Employment and Earnings*.

## Contents

	<i>Page</i>
List of statistical tables . . . . .	2
Employment and unemployment developments, May 1984 . . . . .	4
BLS establishment estimates revised to March 1983 benchmarks . . . . .	6
Publication of employment data for additional service-producing industries . . . . .	24
Statistical tables:	
<b>Not seasonally adjusted—</b>	
Household data . . . . .	31
Establishment data:	
Employment . . . . .	66
Hours and earnings . . . . .	101
State and area labor force data . . . . .	132
<b>Seasonally adjusted—</b>	
Household data . . . . .	57
Establishment data:	
Employment . . . . .	78
Hours and earnings . . . . .	121
Productivity data . . . . .	129
Explanatory notes . . . . .	137

# MONTHLY HOUSEHOLD DATA

Page

## Employment Status

A- 1.	Employment status of the noninstitutional population 16 years and over, 1951 to date . . . . .	28
A- 2.	Employment status of the noninstitutional population 16 years and over by sex, 1973 to date . . . . .	29
A- 3.	Employment status of the civilian noninstitutional population 16 years and over, 1951, to date . . . . .	30
A- 4.	Employment status of the civilian noninstitutional population by age, sex, and race . . . . .	31
A- 5.	Employment status of the black-and-other civilian noninstitutional population by sex and age . . . . .	34
A- 6.	Employment status of the civilian noninstitutional population by race, sex, and age . . . . .	35
A- 7.	Employment status of the civilian noninstitutional population 16 to 21 years of age by major activity, sex, and race . . . . .	36
A- 8.	Employment status of male Vietnam-era veterans and nonveterans by age . . . . .	37
A- 9.	Full-and part-time status of the civilian labor force by sex, age, and race . . . . .	38
A-10.	Employment status of persons in families by family relationship . . . . .	39

## Characteristics of the Unemployed

A-11.	Unemployed persons by marital status, race, age, and sex . . . . .	40
A-12.	Unemployed persons by occupation and sex . . . . .	41
A-13.	Unemployed persons by industry and sex . . . . .	42
A-14.	Unemployed persons by reason for unemployment, sex, and race . . . . .	43
A-15.	Unemployed persons by reason for unemployment, sex, age, and duration of unemployment . . . . .	44
A-16.	Unemployed persons by duration of unemployment . . . . .	44
A-17.	Unemployed persons by sex, age, marital status, and duration of unemployment . . . . .	45
A-18.	Unemployed persons by occupation, industry, and duration of unemployment . . . . .	46
A-19.	Unemployed jobseekers by sex, age, race, and jobsearch methods used . . . . .	47
A-20.	Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used . . . . .	47

## Characteristics of the Employed

A-21.	Employed civilians in agriculture and nonagricultural industries by age and sex . . . . .	48
A-22.	Employed civilians by occupation, sex, and age . . . . .	49
A-23.	Employed civilians by occupation, race, and sex . . . . .	50
A-24.	Employed civilians by age, sex, and class of worker . . . . .	51
A-25.	Employed civilians by industry and occupation . . . . .	52
A-26.	Employed civilians with a job but not at work by reason, sex, and pay status . . . . .	52
A-27.	Persons at work by hours of work and type of industry . . . . .	53
A-28.	Persons at work 1 to 34 hours by reason for working less than 35 hours, type of industry, and usual status . . . . .	53
A-29.	Persons at work in nonagricultural industries by class of worker and full- or part-time status . . . . .	54
A-30.	Persons at work in nonagricultural industries by sex, age, race, marital status, and full- or part-time status . . . . .	55
A-31.	Persons at work in nonfarm occupations by sex and full- or part-time status . . . . .	56

## Seasonally Adjusted Employment and Unemployment Data

A-32.	Employment status of the noninstitutional population, including Armed Forces stationed in the United States, by sex, seasonally adjusted . . . . .	57
A-33.	Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted . . . . .	58
A-34.	Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted . . . . .	59
A-35.	Employed civilians by selected social and economic categories, seasonally adjusted . . . . .	60
A-36.	Employed civilians by sex and age, seasonally adjusted . . . . .	61
A-37.	Unemployed persons by sex and age, seasonally adjusted . . . . .	61
A-38.	Unemployment rates by sex and age, seasonally adjusted . . . . .	62
A-39.	Selected unemployment indicators, seasonally adjusted . . . . .	62
A-40.	Unemployed persons by duration of unemployment, seasonally adjusted . . . . .	63
A-41.	Unemployed persons by reason for unemployment, seasonally adjusted . . . . .	63

# MONTHLY ESTABLISHMENT DATA

Page

## Employment—National

B- 1.	Employees on nonagricultural payrolls by major industry, 1933 to date .....	65
B- 2.	Employees on nonagricultural payrolls by detailed industry .....	66
B- 3.	Women employees on nonagricultural payrolls by major industry and manufacturing group .....	77
B- 4.	Employees on nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted .....	78
B- 5.	Women employees on nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted .....	79
B- 6.	Production or nonsupervisory workers on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted .....	80
B- 7.	Indexes of diffusion: Percent of industries in which employment increased, seasonally adjusted .....	81

## Employment—States and Areas

B- 8.	Employees on nonagricultural payrolls in States and selected areas by major industry .....	82
-------	--	----

## Hours and Earnings—National

C- 1.	Average hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls by major industry, 1963 to date .....	101
C- 2.	Average hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls by detailed industry .....	104
C- 3.	Average hourly earnings, excluding overtime of production workers on manufacturing payrolls .....	120
C- 4.	Average hourly and weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls by major industry, in current and constant (1977) dollars .....	120
C- 5.	Average weekly hours of production or nonsupervisory workers on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted .....	121
C- 6.	Indexes of aggregate weekly hours of production or nonsupervisory workers on private non- agricultural payrolls by major industry and manufacturing group, seasonally adjusted .....	122
C- 7.	The Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, seasonally adjusted .....	123

## Hours and Earnings—States and Areas

C- 8.	Average hours and earnings of production workers on manufacturing payrolls in States and selected areas .....	124
-------	--	-----

# PRODUCTIVITY DATA

C- 9.	Hours of wage and salary workers in nonagricultural establishments by major industry, seasonally adjusted .....	129
C-10.	Indexes of productivity, hourly compensation, unit costs, and prices, seasonally adjusted .....	130
C-11.	Percent changes from the preceding quarter and year in productivity, hourly compensation, unit costs, and prices, seasonally adjusted annual rates .....	131

# MONTHLY STATE AND AREA LABOR FORCE DATA

D- 1.	Labor force status by State and selected metropolitan areas .....	132
-------	---	-----

# Employment and Unemployment Developments, May 1984

Unemployment declined in May and employment continued to rise. The overall unemployment rate, at 7.4 percent, and the civilian worker rate, at 7.5 percent, were each down three-tenths of a percentage point over the month.

Civilian employment—as measured by the monthly survey of households—rose by 890,000 in May to 105.3 million. The number of employees on nonagricultural payrolls—as measured by the monthly survey of establishments—rose by 230,000, following a larger increase in the previous month.

## Unemployment

The civilian unemployment rate declined to 7.5 percent in May, after holding at 7.8 percent during the February–April period. The rate has decreased by 3.2 percentage points from its late 1982 high and was at the lowest level since August 1981.

The May decline in joblessness was concentrated among adult men (20 years and over). Since January, their unemployment rate has fallen by eight-tenths of a point, while the rate for adult women dropped by only three-tenths. As a result, the adult male rate of 6.5 percent was significantly below the rate for adult women (6.8 percent) for the first time since late 1981. At 19.0 percent in May, the unemployment rate for teenagers has been little changed in 1984. Whites, blacks, and Hispanics all shared in the May decline in joblessness. Other major groups with lower unemployment rates were full-time workers (7.2 percent) and manufacturing workers (7.1 percent). (See tables A-33, A-34, and A-39.)

The number of unemployed persons decreased by 330,000 to 8.5 million in May. The decline occurred primarily among adult men, both white and black. Unemployment has dropped by 3.4 million since the recovery began. Virtually all of this decline took place among job losers—both those on layoff who expect to be recalled to work and those who have been permanently separated from their last job. As a result, this group's share of unemployment has dropped from 62 percent in November 1982 to 51 percent in May. (See table A-41.)

The decline in unemployment in May was concentrated among persons who had been jobless for less than 5 weeks. The effect of this decrease in short-term

unemployment was to raise the median duration of unemployment to 8.7 weeks, while the mean was virtually unchanged at 18.4 weeks. (See table A-40.)

The number of workers employed part time for economic reasons declined in May to 5.4 million, 1 million below the November 1982 level. (See table A-35.)

## Civilian employment and the labor force

Civilian employment showed strong growth from April to May, rising by 890,000 on a seasonally adjusted basis to 105.3 million. Adult women accounted for two-thirds of the gain and adult men the remainder, as teenagers showed no over-the-month employment change. The proportion of the civilian working age population with jobs reached 59.8 percent. The employment-population ratio for adult women was 50.5 percent, the first time ever that more than half of all adult women have been employed. (See table A-33.)

The civilian labor force rose by 560,000 in May. Over the year, labor force growth totaled 2.9 million—1.9 million adult women and close to 1.1 million adult men.

## Industry payroll employment

Nonfarm payroll employment increased by 230,000 in May, somewhat less than gains recorded in most months of the past year. At 93.7 million, seasonally adjusted, payroll employment has increased by 5.0 million since November 1982. Over this period, manufacturing posted the largest job gain (1.5 million), followed by services (1.4 million), retail trade (950,000), and construction (475,000). (See table B-4.)

The largest over-the-month increases took place in construction (60,000) and the services industry (90,000). Construction employment has been rising strongly throughout the recovery period to 4.3 million in May, its highest level since the spring of 1981. In services, a major part of the over-the-month increase took place in business services. Smaller job gains also occurred in wholesale trade of durable goods and in finance.

In contrast with the substantial increases of recent months, manufacturing employment was about unchanged in May. However, job gains continued in fabricated metals, machinery, and electrical equipment. Motor vehicle and equipment employment, which had risen very strongly earlier in the recovery, decreased by

10,000 in May, reflecting some plant shutdowns for model changeover.

### **Weekly hours**

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls declined 0.2 hour in May to 35.3 hours, seasonally adjusted, a return to the levels of February and March. The manufacturing workweek fell by half an hour from the very high April level to 40.7 hours. The factory workweek has averaged 40.8 hours for the last 9 months—the highest sustained level since 1973. Overtime in manufacturing decreased 0.3 hour from an unusually high April level to 3.4 hours in May. (See table C-5.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls edged down 0.2 percent, seasonally adjusted, to 111.9 (1977 = 100) in May, reflecting the decline in hours. The manufacturing index decreased 0.9 percent over the month to 96.1 but was 15.5 percent above the November 1982 low. (See table C-6.)

### **Hourly and weekly earnings**

Average hourly earnings declined 0.4 percent in May, and average weekly earnings decreased 0.9 percent, seasonally adjusted. Before allowance for seasonality, hourly earnings edged down 1 cent to \$8.28, and weekly earnings declined by 36 cents. Over the past year, average hourly earnings increased by 30 cents, while weekly earnings rose by \$13.78. (See tables C-1 and C-7.)

### **The Hourly Earnings Index**

The Hourly Earnings Index (HEI) was 159.6 (1977 = 100) in May, seasonally adjusted, a decrease of 0.2 percent from April. For the 12 months ended in May, the increase (before seasonal adjustment) was 3.2 percent. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in overtime in manufacturing and interindustry employment shifts. In dollars of constant purchasing power, the HEI increased 0.6 percent during the 12-month period ended in April. (See table C-7.)

# BLS Establishment Estimates Revised to March 1983 Benchmarks

\*John B. Farrell

With the release of data for May 1984, the Bureau of Labor Statistics introduced revised national estimates of employment, hours, and earnings from the monthly survey of establishments. These revisions are based on March 1983 benchmarks—the most recent complete employment counts. With this revision, the Bureau also introduced a new methodology for the calculation of bias adjustment factors for all industries except construction. As is the usual practice with the introduction of updated benchmarks, the Bureau has also revised the seasonally adjusted series for the previous 5-year period, and has introduced new seasonal adjustment factors.

## Benchmark adjustment procedure

Monthly employment estimates from the establishment survey are based on information provided by a sample of establishments. Annual benchmarks are comprehensive counts of employment. The primary source of information for the benchmark are the mandatory unemployment insurance (UI) reports filed by employers with their State employment security agencies. Estimates of hours and earnings, which are weighted by employment estimates, are also subject to change as a result of the revisions in employment levels.

The current revision affects unadjusted series from April 1982 (the month following the previous benchmark) forward to the current month's estimate. Revision of the seasonal adjustment factors affects seasonally adjusted series from January 1979 forward. Unadjusted series from April 1983 forward and seasonally adjusted series from January 1980 forward are subject to revision in future benchmarks.

The benchmark procedure serves as a quality control process by providing both a more accurate measure of employment levels and a more accurate perspective on trends. Normally, new benchmarks are determined for March of each year for the most detailed industrial classification levels at which estimates are made. Employment estimates for the period between benchmarks, in this case April 1982 through February 1983, are compared to the benchmark source and altered accordingly. Most series are adjusted by applying a ratio to the estimates to "wedge out" the difference over the

12-month period from the new benchmark to the preceding one. Data subsequent to the new benchmark, in this case for April 1983 forward, are usually revised by linking the sample trend for each successive month to the new March 1983 levels. Summaries of UI data subsequent to the March benchmark were also used to revise the levels, an enhancement that had not been available in previous benchmark adjustments.

## Effect of the current benchmark adjustment

The March 1983 benchmark for total nonagricultural employment—88.2 million—was 36,000 above the corresponding sample-based estimate, a difference of 0.04 percent. Downward revisions of 210,000 in manufacturing and 51,000 in mining were offset by upward revisions of 161,000 and 91,000 in retail trade and local government, respectively (table 1). Table 2 indicates the magnitude of the differences arising from the current and previous revisions, by year and industry.

BLS monthly estimates of employment, hours, and earnings are published in considerable industry detail. Based upon the Standard Industrial Classification (SIC) system, estimates are prepared at the industry level (four-digit SIC) for manufacturing and at the industry group level (three-digit SIC) for most nonmanufacturing industries. With this issue of *Employment and Earnings*, BLS is publishing for the first time data for 82 additional industries in the service-producing sector, including 58 at the four-digit SIC level. (See the article beginning on page 24.)

Within the 255 three-digit industry groups (including manufacturing) for which employment estimates have been published, 42 were revised by 5 percent or more. As has generally been the case in the past, the largest industries in terms of employment tended to have the smallest percentage revisions (table 3).

The March 1983 benchmark levels and estimates for the major manufacturing industry groups (two-digit SIC) appear in table 4. Seventeen of the 20 major groups in manufacturing were revised downward. Nine were revised by more than 1 percent, and four were revised by more than 3 percent.

Revisions were somewhat larger for the three- and four-digit manufacturing industries. Almost 6 out of every 10 differed by less than 3 percent, but one-fourth differed by 5 percent or more. Total manufacturing

\*John B. Farrell is an economist in the Division of Monthly Industry Employment Statistics, Bureau of Labor Statistics.



**Table 1. Differences between nonagricultural employment benchmarks and estimates by industry, March 1983**

(Numbers in thousands)

Industry	Benchmark	Estimate	Difference	
			Amount	Percent
Total .....	88,208	88,172	36	( <sup>1</sup> )
Total private .....	72,043	72,121	-78	-0.1
Mining .....	945	996	-51	-5.4
Construction .....	3,469	3,453	16	.5
Manufacturing .....	17,956	18,166	-210	-1.2
Transportation and public utilities .....	4,923	4,913	10	.2
Wholesale trade .....	5,156	5,145	11	.2
Retail trade .....	14,971	14,810	161	1.1
Finance, insurance, and real estate .....	5,361	5,359	2	( <sup>1</sup> )
Services .....	19,262	19,279	-17	-.1
Government .....	16,165	16,051	114	.7
Federal .....	2,731	2,731	0	0
State .....	3,746	3,723	23	.6
Local .....	9,688	9,597	91	.9

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

**Table 2. Percent differences between nonagricultural employment benchmarks and estimates by industry, March 1977-83**

Industry	1977 <sup>1</sup>	1978	1979	1980	1981	1982	1983
Total .....	0.1	0.7	0.5	-0.1	-0.4	-0.1	( <sup>2</sup> )
Mining .....	2.7	1.9	.2	-.6	2.1	2.2	-5.4
Construction .....	.6	1.6	-3.2	-1.5	-2.9	.2	.5
Manufacturing .....	-.4	.6	.4	-.3	-.4	( <sup>2</sup> )	-1.2
Transportation and public utilities .....	-1.8	.9	-.8	-.3	.1	.4	.2
Trade .....	-.5	.4	.6	-.8	-1.0	-1.2	.9
Finance, insurance, and real estate .....	1.0	1.0	.1	.1	-.5	-.2	( <sup>2</sup> )
Services .....	.6	1.2	.5	.9	.3	.3	-.1
Government .....	.8	( <sup>2</sup> )	1.9	.5	-.2	.1	.7

<sup>1</sup> Differences for the detailed industry divisions are between benchmarks based on the 1972 SIC and estimates based on the 1967 SIC.

<sup>2</sup> Less than 0.05 percent.

<sup>3</sup> Estimates of State and local government were not revised.

employment was revised downward by 210,000, a difference of 1.2 percent.

**Why estimates differ from benchmarks**

Differences between benchmarks and estimates result from both sampling and nonsampling error. Sampling error occurs any time a sample is used to make inferences about a universe. As with any sample-based estimate, a certain amount of error is to be expected in the estimation of employment, hours, and earnings from the establishment survey. A complete monthly count of employment would reflect all changes in the level from month to month, but complete coverage involving 4.8 million employer reports each month would be prohibitively expensive and time consuming. The current sample of approximately 195,000 establishments provides estimates at a moderate cost within a month following the survey week. Over 6,000 establishments were added to the sample since the 1982 benchmark. The 1983 sample covers 40 percent of the total universe employment.

There are three major sources of nonsampling error which also can cause the benchmark to differ from the estimates: (1) The estimates can be biased, especially with regard to employment increases stemming from the creation of new firms; (2) changes in the quality of source data can affect the benchmark; and (3) changes in the industrial classification of individual establishments will affect the estimates of individual industries, but not the total.

**Table 3. Distribution of published 3-digit SIC industries by size of industry and percent difference between employment benchmarks and estimates, March 1983**

Percent difference	Total number of industries	Size of industry (number of employees)			
		Under 50,000	50,000 to 99,999	100,000 to 199,999	200,000 and over
Total .....	255	43	40	73	99
0 - 0.9 .....	79	8	9	23	39
1.0 - 2.9 .....	97	13	12	35	37
3.0 - 4.9 .....	37	4	11	7	15
5.0 and over .....	42	18	8	8	8

**Table 4. Differences between manufacturing employment benchmarks and estimates, March 1983**

(Numbers in thousands)

Industry	Benchmark	Estimate	Difference	
			Amount	Percent
Manufacturing .....	17,956	18,166	-210	-1.2
Durable goods .....	10,417	10,590	-173	-1.7
Lumber and wood products .....	602.0	620.5	-18.5	-3.1
Furniture and fixtures .....	426.9	431.3	-4.4	-1.0
Stone, clay, and glass products .....	539.1	541.9	-2.8	-.5
Primary metal industries .....	819.7	820.8	-1.1	-.1
Fabricated metal products .....	1,333.8	1,359.7	-25.9	-1.9
Machinery, except electrical .....	1,993.8	2,044.3	-50.5	-2.5
Electrical and electronic equipment .....	1,954.4	1,980.0	-25.6	-1.3
Transportation equipment .....	1,699.2	1,729.7	-30.5	-1.8
Instruments and related products .....	687.1	688.2	-1.1	-.2
Miscellaneous manufacturing .....	361.3	373.3	-11.8	-3.3
Nondurable goods .....	7,539	7,576	-37	-.5
Food and kindred products .....	1,552.3	1,562.1	-9.8	-.6
Tobacco manufactures .....	67.3	63.7	3.6	5.3
Textile mill products .....	725.9	727.5	-1.6	-.2
Apparel and other textile products .....	1,136.6	1,144.1	-7.5	-.7
Paper and allied products .....	650.7	648.9	1.8	.3
Printing and publishing .....	1,281.9	1,271.2	10.7	.8
Chemicals and allied products .....	1,043.6	1,055.3	-11.7	-1.1
Petroleum and coal products .....	194.3	195.2	-.9	-.5
Rubber and miscellaneous plastics products .....	682.5	695.1	-12.6	-1.8
Leather and leather products .....	204.3	212.6	-8.3	-4.1

There is an inherent difficulty in measuring employment created through the formation of new firms. Establishment-based surveys are slow to capture new firms, since the sample consists of establishments whose existence is known. To compensate for this weakness in the survey method and for any other biases inherent in the estimates, the Bureau calculates bias adjustment factors. With this revision the Bureau is introducing a new bias factor methodology for all industries except construction. The new model still utilizes a 3-year average of the differences between benchmarks and estimates, but also relates the bias to employment change in the most recent quarter. The new bias factor equation is:

$$BIAS_c = BIAS_a + b (Echg_{c-1} - Echg_a)$$

Where:

- BIAS<sub>c</sub> = the bias factor for the current quarter.
- BIAS<sub>a</sub> = the average bias factor based on differences between benchmarks and estimates in the last three revisions.
- b = the regression coefficient of a cross-sectional model which relates BIAS<sub>a</sub> to Echg<sub>a</sub> and sample coverage.
- Echg<sub>c-1</sub> = the annualized employment change over the past quarter.
- Echg<sub>a</sub> = the average annual employment change over the last three benchmarks.

Bias factors will now be recomputed quarterly, instead of annually. Tests have shown that this new model

is more sensitive to cyclical changes in employment. For construction, the bias factors are, as before, related to current measures affecting construction activity, such as money supply and mortgage rates.

Use of the recalculated bias factors, along with the employment trend reflected by UI reports for the second and third quarters of 1983, raises the previously estimated employment levels for the period from April 1983 through February 1984 by increasing amounts, cumulating to an upward revision of 472,000 in the previously published level for February 1984.

A second source of nonsampling error arises from changes in the quality of the benchmark source data. UI records are always the source of first choice for the benchmark, but not all industries are covered by unemployment insurance. When laws governing unemployment insurance coverage are changed, the benchmark source for the affected industries is also changed. There have been no significant changes in UI coverage since January 1978. A discussion of the extent of UI coverage appears in the next section.

A third source of nonsampling error is the procedure used to keep the industrial classification of establishments up to date. 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 once a year at the time of the revision to new benchmarks. At the more detailed industry levels, particularly within manufactur-

ing, changes in classification are the major cause of benchmark adjustments. As the estimates are aggregated to higher level industry groupings, these classification changes cancel out and net to zero for total non-agricultural employment.

### **Benchmark source material**

Reports filed by employers with their respective State unemployment insurance agencies are the primary source of benchmark data. Unemployment insurance coverage is now extended to approximately 97 percent of employees in the total nonagricultural sector and 98 percent of those in the private nonagricultural sector.

To obtain employment counts for the few remaining industries exempt from mandatory UI coverage, BLS uses other sources. Data on employees covered under social security laws, published by the Bureau of the Census in *County Business Patterns*, are used to augment UI data for nonoffice insurance sales workers. Data for interstate railroads are obtained from the Interstate Commerce Commission; benchmarks for private elementary and secondary schools are derived from data obtained from the U.S. Office of Education and the United States Catholic Conference. Employment figures for religious organizations are obtained from data provided by the Bureau of the Census and the National Council of Churches. Benchmark data for employees of church-sponsored schools are obtained through State agency surveys.

Employment counts for the Federal Government are derived from official summaries prepared by the U.S. Office of Personnel Management (OPM). These summaries are complete counts of Federal workers and are not subject to revision.<sup>1</sup> The official OPM summaries do not provide detail on Federal employment by industry, such as hospitals, on a current monthly basis. These are estimated by BLS from a sample of Federal establishments.

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

<sup>1</sup> Employees of the Central Intelligence Agency, the National Security Agency, and those of the Department of Defense paid from nonappropriated funds are not included in the OPM summaries of these series.

### **Effect of revisions on other series**

Benchmarks for the series on women workers, production workers, hours, and earnings are not available. Women worker and production worker series are revised by applying ratios derived from the sample to the revised all-employee figures. Revisions at the basic cell level are then added to become the summary level revisions.

Average weekly hours and average hourly earnings are estimated directly from reported figures at the estimating cell level and are not revised. However, broader industry groupings of hours and earnings series require a weighting mechanism to yield meaningful averages. The production or nonsupervisory worker employment estimates for the basic cells are used as weights for the hours and earnings estimates for broader industry groupings. Adjustments of the all-employee estimates to new benchmarks may alter the weights, which in turn, may change the estimates for hours and earnings of production and nonsupervisory workers at higher levels of aggregation.

To influence the hours and earnings estimates of a broader 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, new benchmarks have little impact on hours and earnings estimates for major groupings. The changes in the hours and earnings estimates for broad industry categories are shown in table 5.

### **Revision of seasonally adjusted data**

Most economic time series display a regular 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 underlying cyclical and other nonseasonal movements in the series.

Each year, employment, hours, and earnings data from the new benchmark are incorporated into the calculation of updated seasonal adjustment factors. The Bureau uses the X-11 ARIMA (Auto-Regressive Integrated Moving Average) seasonal adjustment methodology, developed by Statistics Canada.<sup>2</sup> X-11 ARIMA is an adaptation of the standard ratio-to-moving-average method, which provides for "moving" adjustment factors to take account of changing seasonal patterns.

Seasonal adjustment factors are derived from a decomposition of historical unadjusted time series into seasonal, cyclical, and irregular components. Unusual events reflected in these historical data will distort normal seasonal patterns and produce less reliable seasonal factors. The X-11 ARIMA methodology allows for the removal of these unusual variations prior

<sup>2</sup> A detailed description of the procedure appears in *The X-11 ARIMA Seasonal Adjustment Method*, by Estella Bee Dagum, Statistics Canada Catalogue No. 12-564E, February 1980.

**Table 5. Hours and earnings estimates based on revised (March 1983) benchmarks and previous (March 1982) benchmarks, selected industries, March 1983**

Industry	Average weekly hours			Average hourly earnings		
	Revised estimate	Previous estimate	Difference	Revised estimate	Previous estimate	Difference
Total private .....	34.6	34.7	-0.1	\$7.91	\$7.90	\$0.01
Mining .....	41.8	41.8	0	11.16	11.19	-.03
Construction .....	36.4	36.4	0	11.94	11.95	-.01
Manufacturing .....	39.6	39.6	0	8.73	8.74	-.01
Durable goods .....	40.1	40.1	0	9.27	9.29	-.02
Lumber and wood products .....	39.5	39.4	.1	7.68	7.68	0
Furniture and fixtures .....	38.6	38.6	0	6.51	6.51	0
Stone, clay, and glass products .....	40.4	40.4	0	9.13	9.13	0
Primary metal industries .....	39.7	39.7	0	11.24	11.24	0
Fabricated metal products .....	39.9	39.9	0	9.02	9.05	-.03
Machinery, except electrical .....	39.9	40.0	-.1	9.39	9.46	-.07
Electrical and electronic equipment .....	40.0	40.0	0	8.58	8.60	-.02
Transportation equipment .....	41.8	41.8	0	11.47	11.49	-.02
Instruments and related products .....	40.2	40.2	0	8.39	8.47	-.08
Miscellaneous manufacturing .....	39.0	39.0	0	6.74	6.75	-.01
Nondurable goods .....	38.9	38.9	0	8.01	8.00	.01
Food and kindred products .....	38.8	38.8	0	8.19	8.16	.03
Tobacco manufactures .....	36.3	36.3	0	10.46	10.43	.03
Textile mill products .....	39.8	39.7	.1	6.11	6.11	0
Apparel and other textile products .....	35.7	35.7	0	5.33	5.33	0
Paper and allied products .....	42.0	42.0	0	9.68	9.67	.01
Printing and publishing .....	37.5	37.5	0	9.02	9.03	-.01
Chemicals and allied products .....	41.2	41.2	0	10.40	10.39	.01
Petroleum and coal products .....	44.0	44.0	0	13.28	13.28	0
Rubber and miscellaneous plastics products .....	40.6	40.6	0	7.89	7.92	-.03
Leather and leather products .....	35.7	35.7	0	5.54	5.52	.02
Transportation and public utilities .....	38.6	38.7	-.1	10.67	10.68	-.01
Wholesale trade .....	38.3	38.3	0	8.37	8.27	.10
Retail trade .....	29.3	29.3	0	5.69	5.68	.01
Finance, insurance, and real estate .....	36.1	36.0	.1	7.18	7.19	-.01
Services .....	32.5	32.6	-.1	7.21	7.17	.04

to the calculation of the seasonal adjustment factors. The seasonal factors calculated this way are then applied to the "true" unadjusted series to produce a seasonally adjusted time series. Since major strikes tend to distort normal seasonal patterns, the effects of strikes are eliminated from employment series prior to seasonal adjustment. The Federal Government series have been adjusted to remove the effects of the temporary hiring of census takers during the 1980 census. The hours series in the textile and apparel industries were also adjusted to eliminate the effects of weather-related plant shutdowns in January 1982. The ARIMA option is used to project the unadjusted data for one year prior to seasonally adjusting the series. The use of ARIMA projections lessens the need for revisions of historical data in future seasonal adjustments. ARIMA projections are not used in eight series where the projections do not meet test requirements.<sup>3</sup>

The calculation of updated seasonal adjustment factors did not change the date of the low point of employment in the 1981-82 recession. The revised seasonally adjusted employment figures indicate a bottom in December 1982 at a level of 88,646,000. Employment

<sup>3</sup> The series are identified in tables 8 through 13.

rose in 12 of the next 14 months (table 6). The seasonally adjusted February 1984 employment level of 92,846,000 is 489,000 higher than the previously published February 1984 figure. Between December

**Table 6. Seasonally adjusted over-the-month changes in total nonagricultural employment**

(In thousands)

Month	As revised	As previously published
1983:		
January .....	181	220
February .....	-99	-139
March .....	217	68
April .....	314	276
May .....	319	331
June .....	349	423
July .....	347	308
August .....	-356	-404
September .....	1,100	1,103
October .....	327	233
November .....	343	271
December .....	338	244
1984:		
January .....	365	331
February .....	455	427

1982 and February 1984, the seasonally adjusted employment level increased by 4,200,000.

### **Publication of revised data**

Data for detailed industry categories of employment, hours, and earnings will be presented in a supplement to *Employment and Earnings* to be issued in July. It will contain all of the historical data revised to the new benchmark; that is, seasonally adjusted data for January 1979 through February 1984, and unadjusted data for April 1982 through February 1984. In addition, seasonally adjusted data for the years 1974 through 1978, and unadjusted data from January 1977 through March 1982 will also be displayed, even though they have not been revised. The July 1984 supplement will thus replace all data in the July 1983 supplement. Data for earlier time periods can be found in *Employment and Earnings, United States, 1909-78* (BLS Bulletin 1312-11), issued in 1979. A replacement bulletin, *Employment, Hours, and Earnings, United States,*

*1909-84* (BLS Bulletin 1312-12), is scheduled for publication in late 1984.

Employment estimates are published monthly in this publication for most of the significant industries in the nonagricultural sector. Those industries for which monthly data are not published are either too small or are not represented by a sufficient sample. Table 7 contains the March 1983 benchmark figures for a number of such industries.

Seasonal adjustment factors are recalculated annually, and updated factors are published in conjunction with the benchmark revisions. The seasonal factors that will be used for the period April 1984 through March 1985 for all published series are shown in tables 8 through 14.

Seasonally adjusted data are not published for a small number of series characterized by small seasonal components relative to their trend-cycle and/or irregular components. These series, identified in tables 11, 13, and 14, are used, however, in aggregating to broader seasonally adjusted levels.

**Table 7. Employment benchmarks for industries not published monthly, March 1976-83**

(In thousands)

Industry	1972 SIC Code	1976	1977	1978	1979	1980	1981	1982	1983
<b>Total</b>		78,092	80,493	84,607	88,654	90,253	90,371	89,566	88,208
<b>Total private</b>		62,967	65,294	68,729	72,552	73,720	73,903	73,370	72,043
<b>Goods-producing</b>		22,728	23,488	24,554	25,993	25,799	25,126	24,056	22,370
<b>Mining</b>		761	805	699	928	990	1,107	1,205	945
Lead and zinc ores	103	8.0	7.8	7.3	6.2	6.9	7.2	5.9	4.0
Gold and silver ores	104	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.9	8.6
Other metal ores and mining services	105,6,8,9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	25.5	14.0
Anthracite mining	11	3.6	3.3	3.1	3.1	3.3	3.5	3.5	2.9
Crude petroleum and natural gas	131	154.1	159.3	173.5	185.3	205.7	242.7	265.7	257.0
Natural gas liquids	132	4.0	4.2	4.2	4.7	5.5	6.8	8.4	6.7
Clay and related minerals	145	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.4	8.1
Other nonmetallic minerals and services	141,8,9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.8	9.2
<b>Construction</b>		3,276	3,430	3,733	4,093	4,087	3,934	3,638	3,469
Concrete work	177	80.1	87.3	96.4	105.3	100.2	98.2	84.5	90.5
Waterwell drilling	178	16.2	19.0	19.7	19.5	18.7	19.1	16.9	14.6
Miscellaneous special trade contractors	179	275.2	287.4	307.3	342.4	351.1	359.4	336.8	314.1
<b>Manufacturing</b>		18,691	19,253	20,122	20,972	20,722	20,085	19,213	17,956
<b>Durable goods</b>		10,861	11,322	11,992	12,745	12,609	12,105	11,446	10,417
<b>Lumber and wood products:</b>									
Special product sawmills, nec	2429	6.3	6.8	7.0	6.6	6.0	4.8	3.5	3.6
Structural wood members, nec	2439	9.7	12.1	15.1	17.0	15.9	15.0	11.6	14.0
Nailed wood boxes and shooks	2441	10.2	10.0	9.0	8.9	8.0	6.9	5.9	5.3
Wood pallets and skids	2448	18.9	20.7	22.6	27.8	26.6	24.6	23.0	21.6
Wood containers, nec	2449	11.1	10.7	10.9	10.8	10.3	10.3	9.2	8.8
Prefabricated wood buildings	2452	19.6	21.3	25.1	25.0	20.4	18.9	16.0	15.8
Wood preserving	2491	11.8	12.5	13.0	13.5	13.8	13.2	11.8	11.8
Particleboard	2492	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.1	6.0
Wood products, nec	2499	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	56.9	55.3
<b>Furniture and fixtures:</b>									
Wood TV and radio cabinets and household furniture	2517,9	14.0	14.8	16.8	15.9	14.0	13.8	12.1	11.1
Wood office furniture	2521	11.7	14.0	16.2	17.1	18.8	21.7	24.6	23.9
Metal office furniture	2522	25.1	26.7	29.7	32.2	32.1	31.2	29.9	27.7
Wood partitions and fixtures	2541	28.0	29.8	32.1	33.3	33.3	31.4	29.8	28.3
Metal partitions and fixtures	2542	24.1	26.5	28.2	30.1	31.5	27.8	27.8	25.8
Draper hardware and blinds and shades	2591	13.1	14.2	16.0	16.5	16.8	16.5	16.4	16.9
Furniture and fixtures, nec	2599	9.3	10.2	11.1	11.8	11.2	12.3	12.5	13.0
<b>Stone, clay, and glass products:</b>									
Brick and structural clay tile	3251	20.0	20.1	21.6	22.0	20.1	16.4	13.0	13.9
Clay refractories	3255	11.7	13.0	12.9	14.1	14.1	11.3	9.7	7.0
Other structural clay products	3253,9	14.4	14.3	14.8	15.8	14.5	12.9	11.0	11.3
Vitreous plumbing fixtures	3261	9.8	10.2	11.3	11.2	12.7	9.9	8.5	8.8
Vitreous china and fine earthenware food utensils	3262,3	9.8	8.9	9.5	9.4	10.5	9.7	9.1	7.7
Porcelain electrical supplies	3264	10.2	10.7	10.8	10.7	13.0	11.4	10.8	9.6
Pottery products, nec	3269	14.8	14.9	14.6	15.3	13.0	12.3	11.3	10.5
Lime	3274	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.4	5.3
Gypsum products	3275	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.4	11.2
Cut stone and stone products	328	11.9	12.1	11.9	12.1	11.7	11.0	10.3	10.7
Gaskets, packing and sealing devices	3293	24.6	25.9	27.9	29.3	27.9	27.4	26.8	23.5
Minerals, ground or treated	3295	13.9	14.8	14.7	16.3	16.2	15.6	14.6	12.8
Nonclay refractories	3297	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.9	7.3
Nonmetallic mineral products, nec	3299	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.5	6.3
<b>Primary metal industries:</b>									
Electrometallurgical products	3313	13.5	14.8	14.1	14.7	14.6	13.1	11.2	8.2
Steel wire and related products	3315	20.7	20.8	23.1	25.9	22.7	22.5	19.3	16.7
Cold finishing of steel shapes	3316	16.5	17.8	19.8	20.5	19.0	17.2	15.5	13.5
Steel investment foundries	3324	8.5	9.7	11.9	11.6	12.3	14.0	12.3	10.9
Primary copper	3331	15.3	15.7	15.7	15.5	15.6	14.1	12.7	10.6
Primary lead and zinc	3332,3	9.4	9.2	9.4	9.6	8.1	7.9	6.1	5.0
Primary nonferrous metals, nec	3339	10.8	10.0	10.1	10.3	11.8	11.7	10.1	8.8
Secondary nonferrous metals	334	19.3	20.6	21.6	24.4	25.4	24.0	21.3	18.0
Aluminum extruded products	3354	25.5	30.3	33.9	33.3	33.6	31.5	29.2	28.2
Aluminum and nonferrous rolling and drawing, nec	3355,6	21.5	22.9	23.6	24.8	26.0	23.8	24.5	19.7
Brass, bronze, and copper foundries	3362	17.9	18.7	19.2	20.4	20.6	18.1	17.2	13.8
Nonferrous foundries, nec	3369	18.2	20.3	20.3	22.0	21.1	19.4	17.7	17.0
Miscellaneous primary metal products	339	18.8	20.9	23.0	25.1	26.8	25.6	24.9	21.6
Metal heat treating	3398	10.4	11.3	12.9	13.7	14.2	13.7	14.1	11.3
Primary metal products, nec	3399	8.4	9.6	10.1	11.4	12.6	11.9	10.8	10.3

**Table 7. Employment benchmarks for industries not published monthly, March 1976-83—Continued**

(In thousands)

Industry	1972 SIC Code	1976	1977	1978	1979	1980	1981	1982	1983
<b>Durable goods—Continued</b>									
Fabricated metal products:									
Metal barrels, drums, and pails .....	3412	12.5	13.1	13.3	13.9	13.2	13.3	12.1	11.9
Cutlery .....	3421	14.9	15.3	16.0	15.9	16.3	15.7	13.4	13.2
Metal sanitary ware .....	3431	9.9	10.5	11.2	11.5	10.8	10.9	9.6	8.7
Prefabricated metal buildings .....	3448	19.8	20.1	25.4	27.6	28.8	28.3	25.0	20.6
Miscellaneous metal work .....	3449	8.9	8.6	10.3	10.7	10.2	9.1	8.0	7.5
Nonferrous forgings and crowns and closures .....	3463,6	10.0	11.3	10.9	11.2	13.0	12.8	11.7	10.6
Steel springs, except wire .....	3493	8.2	8.5	8.4	9.0	7.6	6.1	5.8	4.9
Wire springs .....	3495	13.4	15.0	16.1	16.6	15.4	14.9	13.1	11.9
Fabricated pipe and fittings .....	3498	24.7	24.4	26.0	27.1	27.2	27.9	31.0	21.7
Metal foil and leaf, and fabricated pipe and fittings .....	3497,9	44.3	46.9	49.0	49.6	49.7	44.5	43.2	39.5
Machinery, except electrical:									
Lawn and garden equipment .....	3524	18.0	18.8	20.7	23.9	25.7	22.7	19.5	21.7
Elevators and moving stairways .....	3534	11.7	11.4	11.9	12.8	13.4	12.9	12.4	11.6
Hoists, cranes, and monorails .....	3536	19.3	20.0	16.9	19.7	23.3	16.7	15.5	11.2
Rolling mill machinery .....	3547	12.8	10.4	10.2	11.5	11.4	9.2	8.5	5.9
Metalworking machinery, nec .....	3549	11.5	12.4	13.1	14.4	14.9	13.7	13.3	11.0
Woodworking machinery .....	3553	10.7	11.2	12.4	13.3	14.3	12.0	10.3	8.8
Paper industries machinery .....	3554	17.9	18.2	18.0	19.3	18.9	20.0	19.0	15.4
Special industry machinery, nec .....	3559	52.5	54.1	57.0	60.8	63.8	59.6	55.0	45.0
Industrial patterns .....	3565	9.4	10.0	10.4	10.7	10.4	10.0	9.7	8.0
Industrial furnaces and ovens .....	3567	17.5	18.0	19.5	19.9	21.6	20.5	19.2	15.1
General industrial machinery, nec .....	3569	42.9	41.9	44.2	48.2	48.3	49.6	48.9	46.2
Scales and balances, except laboratory .....	3576	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.6	6.9
Office machines, nec .....	3579	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	28.0	25.8
Automatic merchandising machines .....	3581	7.8	7.7	9.8	10.5	10.4	10.9	9.5	8.7
Commercial laundry equipment .....	3582	5.6	5.8	6.0	5.9	5.6	5.3	4.7	4.4
Measuring and dispensing pumps and service industry machinery, nec .....	3586,9	37.0	37.1	38.1	42.2	41.6	38.4	37.7	35.0
Electrical and electronic equipment:									
Welding apparatus, electric .....	3623	15.6	16.7	18.3	19.6	18.9	18.1	18.3	15.2
Carbon and graphite products .....	3624	12.6	13.4	13.1	13.9	14.1	14.0	13.6	10.6
Electrical industrial apparatus, nec .....	3629	10.7	11.8	13.8	14.3	13.9	12.2	11.9	10.5
Household cooking equipment .....	3631	21.9	24.3	25.6	25.0	27.6	24.0	22.9	23.9
Other household appliances .....	3635,6,9	33.5	33.0	37.3	37.0	34.6	32.3	26.6	26.1
Commercial lighting fixtures .....	3646	13.4	14.6	15.3	17.3	17.1	17.2	17.2	15.4
Vehicular lighting equipment .....	3647	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.4	13.4
Lighting equipment, nec .....	3648	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.6	9.1
Phonograph records .....	3652	24.2	24.0	27.1	27.9	24.2	24.6	21.7	19.2
Electronic capacitors .....	3675	18.6	20.3	23.6	25.6	28.4	25.8	27.2	25.2
Electronic resistors .....	3676	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.2	11.5
Electronic coils and transformers .....	3677	17.2	20.2	22.4	25.6	27.7	24.7	24.5	21.6
Electronic connectors .....	3678	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.8	8.9
Primary batteries, dry and wet .....	3692	12.8	14.7	16.2	16.0	15.5	16.5	15.2	13.7
X-ray apparatus and tubes .....	3693	17.9	18.3	22.7	25.6	25.2	26.5	30.0	32.7
Electrical equipment and supplies, nec .....	3699	11.2	14.9	16.2	14.9	14.4	13.7	13.4	13.7
Transportation equipment:									
Self-contained motor homes .....	3716	( <sup>1</sup> )	5.8	5.6	5.2	5.6	4.9	6.5	9.8
Motorcycles, bicycles, and parts .....	375	17.1	17.3	19.1	18.6	21.8	17.4	17.1	14.5
Space propulsion units and other space vehicle equipment .....	3764,9	14.6	18.0	18.4	20.0	22.1	26.1	26.4	30.1
Tanks and tank components .....	3795	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.3	18.5
Transportation equipment, nec .....	3799	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.2	8.8
Instruments and related products:									
Fluid meters and counting devices .....	3824	13.3	14.3	14.6	17.5	18.1	18.5	17.1	14.3
Measuring and controlling devices, nec .....	3829	17.5	19.1	21.2	22.2	22.4	25.4	25.9	25.4
Dental equipment and supplies .....	3843	15.4	16.9	16.9	17.7	17.4	17.1	15.7	14.2
Miscellaneous manufacturing:									
Silverware and plated ware .....	3914	11.6	11.6	11.7	11.8	11.3	11.5	11.1	9.8
Jewelers' materials and lapidary work .....	3915	9.3	9.0	9.6	9.2	8.0	7.6	7.8	7.6
Pens and mechanical pencils .....	3951	11.3	11.2	12.2	12.3	12.1	11.6	9.9	9.1
Lead pencils and art goods .....	3952	9.0	8.9	9.6	9.5	9.5	9.4	8.2	7.4
Marking devices and carbon paper and inked ribbons .....	3953,5	13.8	14.2	14.8	16.4	16.9	15.5	15.7	15.1
Artificial flowers and buttons .....	3962,3	9.9	8.9	8.9	8.6	8.4	8.3	7.1	6.4
Needles, pins, and fasteners .....	3964	17.5	19.6	19.4	19.0	19.0	14.5	12.1	9.9
Brooms and brushes .....	3991	17.3	18.1	17.8	17.2	18.0	15.2	15.2	13.6
Burial caskets .....	3995	12.8	12.5	12.7	12.2	12.0	11.3	11.0	10.2
Manufacturing industries, nec .....	3996,9	58.1	59.9	63.0	64.7	61.8	56.3	54.9	51.0

**Table 7. Employment benchmarks for industries not published monthly, March 1976-83—Continued**

(In thousands)

Industry	1972 SIC Code	1976	1977	1978	1979	1980	1981	1982	1983
<b>Nondurable goods</b> .....		7,830	7,931	8,130	8,227	8,113	7,980	7,767	7,539
Food and kindred products:									
Poultry and egg processing .....	2017	14.5	13.6	12.9	15.2	15.2	14.7	15.1	16.3
Creamery butter .....	2021	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.3
Condensed and evaporated milk .....	2023	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	15.6	15.4
Ice cream and frozen desserts .....	2024	18.8	19.4	18.2	19.4	19.1	18.8	18.1	17.8
Dehydrated fruits, vegetables, and soups .....	2034	16.3	16.8	16.6	17.9	16.7	15.7	16.0	16.6
Pickles, sauces, and salad dressings .....	2035	23.8	23.0	24.3	23.3	24.1	23.3	22.0	18.8
Frozen specialties .....	2038	27.1	29.3	31.9	34.2	34.7	34.2	34.2	33.1
Cereal breakfast foods .....	2043	16.1	16.8	16.4	16.0	16.6	16.3	17.2	17.7
Rice milling .....	2044	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.2	5.8
Blended and prepared flour .....	2045	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.3	7.3
Wet corn milling .....	2046	12.3	13.3	13.0	12.9	12.7	13.5	11.7	10.3
Dog, cat, and other pet food .....	2047	17.7	16.6	17.8	17.5	16.7	17.0	16.7	16.5
Cane sugar, except refining only .....	2061	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.5	8.4	8.9
Cane sugar, refining .....	2062	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.2	9.4	8.0
Beet sugar .....	2063	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.2	10.6	7.2
Chocolate and cocoa products and chewing gum .....	2066,7	19.4	20.0	18.9	19.8	19.5	19.4	18.7	18.5
Oil mills .....	2074,5,6	17.5	16.2	18.5	19.4	20.3	19.4	18.1	19.0
Animal and marine fats and oils .....	2077	10.8	12.5	11.1	11.0	10.8	10.3	9.9	9.3
Shortening and cooking oils .....	2079	13.5	12.9	13.3	14.3	13.4	12.5	12.3	11.9
Malt and flavoring extracts and syrup, nec .....	2083,7	13.2	13.2	14.2	14.2	14.4	14.9	15.6	15.5
Wines, brandy, and brandy spirits .....	2084	11.5	11.1	12.9	12.4	12.6	14.0	13.4	14.9
Distilled liquor, exc. brandy .....	2085	19.3	18.5	18.5	18.5	18.4	17.0	15.6	14.6
Canned and cured seafoods .....	2091	16.7	17.7	18.5	17.6	15.9	16.5	18.0	14.5
Fresh or frozen packaged fish .....	2092	26.8	28.6	30.8	33.2	33.5	32.9	32.1	34.6
Roasted coffee .....	2095	14.2	13.8	13.7	13.3	13.0	12.9	12.4	12.4
Manufactured ice .....	2097	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.9	4.8
Macaroni and spaghetti .....	2098	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.3	8.2
Food preparation, nec .....	2099	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	81.1	82.3
Tobacco manufactures:									
Cigars .....	212	10.4	9.4	9.1	8.3	7.5	7.1	6.7	5.5
Other tobacco manufactures .....	213,4	12.7	13.7	14.3	14.2	12.1	12.7	11.8	13.6
Textile mill products:									
Warpknit fabric and knitting mills, nec. ....	2258,9	26.7	24.7	25.1	26.3	24.5	21.4	20.7	18.2
Finishing plants, nec. ....	2269	18.4	17.3	16.4	16.4	17.1	14.5	14.0	14.1
Wool yarn mills .....	2283	10.9	11.7	10.9	9.9	10.2	8.6	8.3	8.3
Thread mills .....	2284	10.9	11.0	10.9	10.1	11.6	10.2	9.5	9.2
Other textile goods .....	2291-3,7,9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	27.1	26.5
Processed textile waste .....	2294	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.4	6.5
Coated fabrics, not rubberized .....	2295	12.8	12.7	12.0	11.7	12.4	11.6	10.9	9.7
Tire cord and fabric .....	2296	11.8	12.0	11.0	11.5	10.8	9.5	8.3	7.1
Cordage and twine .....	2298	10.0	10.7	10.5	10.5	9.7	9.1	8.8	8.1
Apparel and other textile products:									
Men's and boys' underwear .....	2322	15.7	15.9	16.5	17.3	16.1	14.8	13.5	13.7
Men's and boys' neckwear .....	2323	7.5	6.7	7.2	6.8	6.7	6.7	6.4	6.8
Men's and boys' clothing, nec .....	2329	55.6	57.7	60.7	58.5	62.1	57.6	55.3	48.7
Hats, caps, and millinery .....	235	15.7	15.4	15.6	16.4	18.3	18.6	15.9	14.7
Children's coats and suits .....	2363	8.8	8.1	8.2	7.5	7.0	6.3	5.3	3.6
Children's outerwear, nec .....	2369	34.6	34.0	33.9	31.8	31.0	30.4	31.1	29.4
Fur goods .....	237	4.0	4.0	4.2	4.3	3.8	3.9	3.7	3.2
Fabric dress and work gloves .....	2381	12.3	13.9	14.5	15.2	13.2	11.4	9.9	8.7
Robes and dressing gowns .....	2384	11.1	11.3	11.7	11.1	10.6	9.9	9.0	8.5
Waterproof outer garments .....	2385	14.5	13.6	13.1	12.6	12.3	12.2	10.2	9.5
Leather and sheep lined clothing .....	2386	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.5	3.8
Apparel belts .....	2387	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.7	10.3
Apparel and accessories, nec .....	2389	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.5	5.8
Textile bags .....	2393	8.1	8.5	9.3	9.4	9.8	8.7	8.3	7.9
Canvas and related products .....	2394	13.3	13.4	13.9	14.8	15.0	15.2	14.9	15.0
Pleating and stitching .....	2395	15.2	15.0	17.2	16.1	16.2	17.4	15.6	14.4
Other fabricated textile products .....	2397,9	30.0	29.9	29.7	33.2	30.8	28.8	26.0	26.8
Paper and allied products:									
Pulp mills .....	261	15.6	16.8	17.3	15.8	16.5	16.9	15.7	14.4
Die-cut paper and board .....	2645	16.9	17.2	17.4	17.6	17.5	16.5	16.1	15.5
Sanitary paper products .....	2647	19.3	22.3	25.5	25.5	26.6	26.4	27.1	27.7
Other converted paper products .....	2646,8,9	41.2	42.6	44.9	44.1	45.6	44.9	41.8	41.3
Set-up paperboard boxes .....	2652	13.6	13.3	13.0	12.6	11.9	11.9	10.7	10.3
Fiber cans, drums, and similar products .....	2655	19.0	18.5	19.0	19.4	18.9	18.0	16.9	17.2
Building paper and board mills .....	266	11.8	12.1	13.5	12.8	12.4	11.0	9.7	10.4



**Table 7. Employment benchmarks for industries not published monthly, March 1976-83—Continued**

(In thousands)

Industry	1972 SIC Code	1976	1977	1978	1979	1980	1981	1982	1983
<b>Nondurable goods—Continued</b>									
Printing and publishing:									
Engraving and plate printing .....	2753	11.6	11.6	11.2	11.5	11.2	11.3	10.9	11.3
Commercial printing, gravure .....	2754	7.8	10.0	12.0	10.9	11.3	11.8	12.8	12.8
Greeting card publishing .....	277	20.0	21.0	22.0	23.0	24.0	23.8	24.4	23.4
Blankbooks and looseleaf binders .....	2782	32.0	33.5	35.9	38.3	38.5	39.0	38.5	39.4
Bookbinding and related work .....	2789	23.0	22.8	24.0	23.9	24.0	23.8	23.1	23.9
Typesetting .....	2791	22.9	23.8	24.8	26.7	27.5	28.1	28.8	28.2
Other publishing and printing .....	2793-5	15.1	15.0	15.4	16.4	16.9	16.8	17.1	16.2
Chemicals and allied products:									
Alkalies and chlorine .....	2812	21.8	21.9	23.6	21.3	23.0	20.8	20.5	17.6
Industrial gases .....	2813	17.6	21.3	21.0	21.7	21.0	22.0	24.3	23.6
Inorganic pigments .....	2816	12.6	12.8	12.6	12.5	11.6	11.2	10.8	9.7
Synthetic rubber .....	2822	13.4	13.9	14.1	14.2	13.9	15.3	14.5	13.4
Cellulosic man-made fibers .....	2823	24.9	21.0	20.9	13.1	14.6	19.8	18.5	15.7
Biological products .....	2831	19.6	19.9	20.7	21.8	22.9	22.6	23.8	23.3
Medicinals and botanicals .....	2833	14.2	15.9	16.0	16.7	18.1	18.2	18.6	18.3
Nitrogenous fertilizers .....	2873	14.0	16.7	14.5	14.0	14.8	15.4	14.9	13.0
Phosphatic fertilizers .....	2874	16.2	15.6	15.0	15.0	17.7	16.8	16.5	13.6
Fertilizers, mixing only .....	2875	15.3	15.7	14.4	15.4	15.0	14.3	12.7	13.1
Agricultural chemicals, nec .....	2879	23.9	23.0	24.5	26.0	26.2	25.3	24.8	23.1
Adhesives and sealants .....	2891	15.5	16.6	18.0	19.8	20.5	20.9	20.4	19.7
Explosives .....	2892	13.6	13.7	13.1	13.4	13.1	15.7	15.3	15.6
Printing ink .....	2893	10.6	11.3	12.1	12.4	12.8	12.3	11.8	11.6
Other chemical preparations .....	2895,9	40.5	42.8	45.3	46.9	47.0	45.1	44.6	41.5
Petroleum and coal products:									
Paving mixtures and blocks .....	2951	10.1	10.1	9.7	10.3	10.0	10.0	9.9	9.2
Asphalt felts and coatings .....	2952	18.6	18.7	19.6	20.8	20.4	17.4	12.7	14.1
Miscellaneous petroleum and coal products .....	299	11.1	11.0	10.9	12.0	12.3	12.3	11.9	11.1
Rubber and miscellaneous plastics products:									
Fabricated rubber products .....	303,4,6	126.5	133.7	138.8	145.7	135.4	127.5	123.4	115.6
Leather and leather products:									
Boot and shoe cut stock and findings .....	313	10.3	10.1	11.4	11.6	11.0	10.7	10.4	9.4
House slippers .....	3142	8.2	8.3	8.3	8.5	8.7	9.1	9.3	7.6
Footwear, except rubber, nec .....	3149	23.1	21.6	23.3	24.0	23.5	23.5	20.6	20.3
Leather gloves and mittens .....	315	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.2	3.4
Women's handbags and purses .....	3171	20.4	19.8	18.6	18.6	17.2	17.5	17.2	14.6
Personal leather goods, nec .....	3172	14.0	13.9	14.3	13.8	14.1	12.1	11.6	10.8
Leather goods, nec .....	319	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.1	8.3
<b>Service-producing .....</b>		<b>55,364</b>	<b>57,005</b>	<b>60,053</b>	<b>62,661</b>	<b>64,454</b>	<b>65,245</b>	<b>65,510</b>	<b>65,838</b>
<b>Transportation and public utilities .....</b>									
Transportation:									
Other railroads and switching and terminal companies .....	4012	43.0	43.8	48.0	50.5	54.1	40.0	32.9	27.9
Other passenger transit services .....	414,7	11.1	12.3	13.1	13.6	15.3	16.6	18.0	18.6
Trucking, local and long distance .....	421	1,023.0	1,071.3	1,164.8	1,224.8	1,186.7	1,140.1	1,109.1	1,068.0
Trucking terminal facilities .....	423	4.6	5.0	5.2	7.1	7.6	7.2	6.9	5.8
Deep sea transportation .....	441,2	42.7	42.9	42.7	42.0	42.6	46.3	45.8	46.0
Transportation on great lakes, rivers, and canals .....	443,4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	19.1	16.8
Certified air transportation .....	451	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	365.1	365.0
Noncertified air transportation .....	452	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	27.6	24.1
Arrangement of transportation .....	472	80.5	90.6	102.6	113.8	125.7	128.2	139.5	149.1
Rental of railroad cars .....	474	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.7	7.4
Miscellaneous transportation services .....	478	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.0	11.7
Communication and public utilities:									
Telegraph communication .....	482	17.8	18.0	18.2	18.4	19.2	19.3	19.6	18.9
Communication services, nec .....	489	37.5	40.4	44.1	50.8	62.2	78.1	102.4	120.0
Water supply .....	494	18.5	19.0	19.4	20.0	20.4	20.6	20.7	20.7
Steam supply and irrigation systems .....	496,7	3.0	3.3	3.2	2.5	2.5	2.7	3.3	2.7
<b>Wholesale trade .....</b>									
Tires and tubes .....	5014	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	31.9	31.4
Warm air heating, air conditioning, and refrigeration .....	5075,8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	57.1	56.8
Service establishment equipment .....	5087	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	61.5	63.4
Transportation equipment and supplies .....	5088	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	34.6	30.1
Jewelry, watches, and precious stones .....	5094	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	36.2	35.9
Durable goods, nec .....	5099	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	63.3	59.0
Frozen foods .....	5142	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	23.1	24.3
Dairy products .....	5143	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	39.9	40.7
Poultry and poultry products .....	5144	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	26.9	27.8
Confectionery .....	5145	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	34.2	37.0

Table 7. Employment benchmarks for industries not published monthly, March 1976-83—Continued

(In thousands)

Industry	1972 SIC Code	1976	1977	1978	1979	1980	1981	1982	1983
<b>Wholesale trade—Continued</b>									
Fish and seafoods .....	5146	( )	( )	( )	( )	( )	( )	23.4	24.3
Groceries and related products, nec .....	5149	( )	( )	( )	( )	( )	( )	150.9	153.7
Farm-product raw materials .....	515	136.2	142.2	143.9	154.6	147.0	145.4	145.9	139.0
Tobacco and tobacco products .....	5194	( )	( )	( )	( )	( )	( )	38.6	38.3
Paints, varnishes, and supplies .....	5198	( )	( )	( )	( )	( )	( )	25.6	25.4
Nondurable goods, nec .....	5199	( )	( )	( )	( )	( )	( )	173.5	175.5
<b>Retail trade</b>									
Paint, glass, and wallpaper stores .....	523	53.2	55.7	58.0	61.1	61.7	61.6	60.4	58.8
Retail nurseries and garden stores .....	526	45.7	47.0	48.5	52.5	53.7	54.1	54.0	53.3
Mobile home dealers .....	527	27.0	27.0	29.6	29.6	28.3	25.3	24.1	24.0
Fruit stores and vegetable markets .....	543	( )	( )	( )	( )	( )	( )	18.2	20.0
Candy, nut, and confectionery stores .....	544	( )	( )	( )	( )	( )	( )	24.2	25.3
Miscellaneous food stores .....	549	( )	( )	( )	( )	( )	( )	33.6	34.5
New and used car dealers .....	551	759.2	790.8	828.9	855.3	778.8	710.0	687.7	699.0
Used car dealers .....	552	45.0	45.9	47.1	48.5	43.0	40.4	40.3	41.8
Boat dealers .....	555	( )	( )	( )	( )	( )	( )	22.4	23.0
Motorcycle dealers .....	557	( )	( )	( )	( )	( )	( )	27.8	26.1
Trailer and automotive dealers, nec .....	556,9	( )	( )	( )	( )	( )	( )	23.9	23.7
Women's accessory and specialty stores .....	563	25.0	23.6	22.8	24.0	23.2	23.0	21.4	21.7
Children's and infant's wear stores .....	564	22.3	23.7	24.7	26.2	28.2	29.8	31.4	32.3
Furriers and fur shops .....	568	( )	( )	( )	( )	( )	( )	5.8	6.0
Miscellaneous apparel and accessories .....	569	( )	( )	( )	( )	( )	( )	45.8	45.6
Floor covering stores .....	5713	( )	( )	( )	( )	( )	( )	52.4	52.3
Drapery, upholstery, and miscellaneous home furnishings stores .....	5714,9	( )	( )	( )	( )	( )	( )	67.7	68.7
Used merchandise stores .....	593	45.8	48.4	51.1	56.2	58.7	59.7	61.3	64.1
Hobby, toy, and game shops .....	5945	( )	( )	( )	( )	( )	( )	43.0	44.1
Camera, luggage, and leather goods stores .....	5946,8	( )	( )	( )	( )	( )	( )	40.1	39.7
Direct selling organizations .....	5963	( )	( )	( )	( )	( )	( )	51.1	52.5
<b>Finance, insurance, and real estate</b>									
Federal Reserve banks .....	601	( )	( )	( )	( )	( )	( )	23.8	23.5
National banks and nonincorporated private banks .....	6025,6,7,8	( )	( )	( )	( )	( )	( )	800.0	794.7
Trust companies and other banking .....	604,5	( )	( )	( )	( )	( )	( )	49.3	54.7
Credit agencies other than banks, nec .....	611,3	15.8	15.6	16.4	17.3	18.4	20.4	21.8	22.7
State associations, noninsured .....	6124,5	( )	( )	( )	( )	( )	( )	8.0	8.4
Other security, commodity brokers, and services .....	622,3,8	28.9	32.4	35.5	38.5	41.5	46.6	49.6	55.9
Pension, health, and welfare funds .....	637	( )	( )	( )	( )	( )	( )	23.2	25.2
Insurance and insurance carriers, nec .....	635,9	( )	( )	( )	( )	( )	( )	7.6	8.3
Title abstract offices .....	654	17.0	20.3	22.6	22.8	22.2	20.6	19.2	19.6
Holding offices .....	671	37.7	41.9	44.5	51.4	50.9	53.6	63.2	67.6
Trusts .....	673	( )	( )	( )	( )	( )	( )	40.7	38.7
Investment offices and miscellaneous investing .....	672,9	( )	( )	( )	( )	( )	( )	27.1	27.5
<b>Services</b>									
Hotels and other lodging places:									
Camps and trailing parks .....	703	14.4	14.7	13.6	14.3	14.4	15.0	14.3	15.2
Other lodging places .....	702,4	20.6	18.5	17.8	16.9	16.1	15.5	15.2	14.6
Personal services:									
Barber shops .....	724	26.4	26.8	27.3	27.8	27.6	25.7	23.9	23.8
Shoe repair and miscellaneous personal services .....	725,9	109.7	122.3	135.4	141.5	139.8	168.4	183.2	190.4
Business services:									
Outdoor, radio, TV, advertising, nec .....	7312,3,9	( )	( )	( )	( )	( )	( )	40.3	41.8
News syndicates .....	735	( )	( )	( )	( )	( )	( )	7.2	7.7
Personnel supply services, nec .....	7369	( )	( )	( )	( )	( )	( )	30.2	30.0
Computer related services, nec .....	7379	( )	( )	( )	( )	( )	( )	51.2	58.6
Trading stamp services .....	7396	( )	( )	( )	( )	( )	( )	7.2	7.5
Commercial testing laboratories .....	7397	( )	( )	( )	( )	( )	( )	39.0	36.7
Business services, nec .....	7399	( )	( )	( )	( )	( )	( )	325.2	341.7
Auto repair, services, and garages:									
Automobile parking .....	752	36.2	36.7	37.4	37.5	37.2	37.5	38.8	39.9
Top and body repair shops .....	7531	( )	( )	( )	( )	( )	( )	104.9	108.2
Tire retreading, painting, and automotive repair shops, nec .....	7534,5,9	( )	( )	( )	( )	( )	( )	110.6	113.4
General automotive repair shops .....	7538	( )	( )	( )	( )	( )	( )	143.4	149.3
Automotive services, except repairs .....	754	58.7	63.1	69.3	71.1	68.7	64.1	62.8	65.2

**Table 7. Employment benchmarks for industries not published monthly, March 1976-83—Continued**

(In thousands)

Industry	1972 SIC Code	1976	1977	1978	1979	1980	1981	1982	1983
<b>Services—Continued</b>									
Miscellaneous repair services:									
Reupholstery and furniture repair .....	764	21.4	22.0	22.3	23.1	22.5	22.1	21.1	21.9
Miscellaneous repair services, nec .....	763,9	137.0	140.6	156.8	173.0	181.0	183.3	181.6	167.9
Motion pictures:									
Motion picture distribution and services .....	782	9.8	10.4	11.1	10.7	10.6	11.1	10.9	10.7
Amusement and recreation services:									
Producers, orchestras, and entertainers .....	792	65.8	72.1	76.2	83.2	86.2	86.7	86.3	91.3
Bowling and billiard establishments .....	793	106.4	112.2	115.1	116.4	117.2	114.8	111.3	107.4
Commercial sports .....	794	60.6	60.5	60.7	60.0	64.2	62.1	64.0	65.2
Amusement and recreation services, nec .....	791,9	328.0	355.7	383.0	405.1	432.6	443.5	472.5	479.4
Health services:									
Offices of osteopathic physicians .....	803	17.5	19.4	21.0	22.0	23.9	25.1	26.3	27.5
Offices of other health practitioners .....	804	62.7	69.0	77.4	85.3	95.2	104.5	116.2	129.9
Health and allied services, nec .....	809	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	94.9	122.0
Educational services:									
Educational services, nec .....	823,9	56.9	54.9	63.2	69.9	70.9	69.9	69.0	65.4
Social services:									
Child day care services .....	835	216.8	238.9	275.8	316.9	303.2	294.6	298.2	302.7
Social services, nec .....	839	162.9	175.4	204.2	227.5	241.5	247.9	218.2	216.0
Membership organizations:									
Professional organizations .....	862	31.8	30.7	33.2	33.9	35.5	35.6	35.9	36.6
Religious organizations .....	866	881.3	882.7	875.0	890.4	892.3	885.2	898.5	880.6
Political and membership organizations, nec .....	865,9	64.9	60.4	64.9	65.0	68.2	66.0	64.4	64.5
Miscellaneous services:									
Services, nec .....	899	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	21.0	21.1
Agricultural services:									
Veterinary services .....	074	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	72.9	77.2
Animal services, except veterinary .....	075	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	34.1	35.4
Landscape and horticultural services .....	078	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	122.4	131.4
<b>Government</b>									
Federal .....		15,125	15,199	15,878	16,102	16,533	16,468	16,196	16,165
Federal .....		2,724	2,714	2,725	2,740	2,869	2,769	2,725	2,731
Small arms ammunition and ordnance .....		27.5	28.6	19.4	19.3	19.0	20.4	21.2	22.1
Other manufacturing .....		40.2	41.4	32.2	33.0	31.3	31.2	30.2	30.3
Trade .....		84.0	87.1	74.4	77.4	80.3	78.8	80.6	79.3
Finance .....		16.5	17.2	19.1	22.9	25.4	22.8	21.5	20.7
Other services .....		138.7	143.9	154.7	126.9	154.2	157.7	153.6	164.3
State .....		3,311	3,427	3,548	3,607	3,688	3,731	3,744	3,746
Other State government .....		1,866.6	1,947.3	2,080.1	2,134.7	2,193.8	2,219.1	2,198.8	2,197.7
Construction .....		257.0	268.1	278.6	280.6	293.6	290.0	259.8	248.1
Transportation and public utilities .....		29.4	30.7	32.6	34.1	34.3	34.4	41.3	44.0
Social services .....		157.9	164.7	170.4	179.7	182.2	179.9	191.2	178.0
Services, except hospitals, education, and social services .....		89.3	93.2	99.2	106.9	124.3	144.3	124.4	123.7
All other State government .....		820.0	855.4	958.1	990.2	1,028.2	1,048.4	1,083.6	1,122.0
Local .....		9,089	9,058	9,605	9,755	9,976	9,968	9,728	9,688
Other local government .....		3,901.3	3,870.3	4,248.2	4,430.5	4,481.8	4,424.9	4,215.1	4,218.3
Social services .....		188.1	186.6	223.7	227.2	200.7	200.5	136.4	125.8
Services, except hospitals, education, and social services .....		109.7	108.8	130.4	146.6	174.4	164.7	158.7	166.2
Nonclassifiable establishments .....		123.0	110.5	111.3	94.7	107.7	169.4	203.4	144.8

<sup>1</sup> Not available.

N.e.c. is an abbreviation for "not elsewhere classified" and designates broad categories of industries which cannot be more

specifically identified.

NOTE: This table includes data for totals and some industry divisions which are published regularly.

**Table 8. Seasonal adjustment factors for employees on nonagricultural payrolls by major industry**

Industry	1984									1985		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>Total<sup>1</sup></b>												
<b>Mining</b>	99.3	99.8	101.1	101.4	101.1	100.4	100.0	100.3	100.0	99.3	98.6	99.0
Oil and gas extraction	98.8	99.0	100.6	100.9	100.9	99.6	99.6	100.0	100.5	100.5	100.1	99.4
<b>Construction</b>	95.6	100.3	104.0	106.1	107.2	106.4	106.0	103.9	99.0	91.0	89.3	91.3
General building contractors	95.2	99.6	104.2	107.0	107.3	105.4	104.9	103.1	99.4	91.8	90.1	91.9
<b>Manufacturing<sup>1</sup></b>												
<b>Durable goods<sup>1</sup></b>												
Lumber and wood products	98.1	100.4	103.0	103.2	104.3	103.9	101.9	99.6	97.5	95.5	95.9	96.6
Furniture and fixtures	100.0	99.7	99.9	97.6	99.8	101.1	101.1	101.0	100.7	99.8	99.8	99.3
Stone, clay, and glass products	98.9	100.7	102.4	102.3	103.0	103.1	102.3	101.1	98.4	95.7	95.4	96.6
Primary metal industries	100.8	100.5	101.1	99.8	100.2	100.8	99.3	99.0	98.8	99.5	99.6	100.5
Blast furnaces and basic steel products	101.1	100.9	101.7	101.0	100.9	100.2	98.7	98.4	98.4	99.0	99.3	100.4
Fabricated metal products	99.8	100.0	100.6	99.1	100.1	101.3	100.7	100.4	99.9	99.2	99.3	99.6
Machinery, except electrical	100.2	100.2	100.3	99.5	99.2	100.3	99.8	99.9	100.2	99.8	100.1	100.4
Electrical and electronic equipment	99.7	99.8	100.6	99.8	100.0	100.8	100.5	100.2	100.0	99.6	99.5	99.4
Transportation equipment	100.1	100.8	100.8	99.8	98.0	101.2	100.8	100.5	99.8	98.8	99.4	100.1
Motor vehicles and equipment	99.9	101.9	101.8	100.2	96.4	102.4	101.7	100.8	99.1	97.1	98.6	100.0
Instruments and related products	99.8	99.8	100.6	100.0	100.3	100.4	100.1	100.1	100.1	99.8	99.5	99.6
Miscellaneous manufacturing	99.5	99.9	101.0	98.5	101.3	102.6	102.9	102.0	99.1	96.7	97.7	98.8
<b>Nondurable goods<sup>1</sup></b>												
Food and kindred products	96.1	97.3	99.6	102.0	105.6	106.1	103.5	101.2	99.1	96.9	96.4	96.2
Tobacco manufactures	93.2	92.5	93.9	93.4	104.8	107.2	108.0	103.4	105.1	102.9	99.3	96.4
Textile mill products	99.9	100.1	100.5	98.3	100.5	101.1	100.9	100.5	100.3	99.2	99.3	99.4
Apparel and other textile products	99.6	100.4	101.5	96.6	100.6	101.6	101.7	101.0	99.2	98.4	99.8	99.8
Paper and allied products	99.6	99.8	100.8	100.1	100.6	100.6	100.2	100.2	100.0	99.4	99.2	99.5
Printing and publishing	100.1	99.9	100.0	99.6	99.7	99.8	100.0	100.3	100.6	100.0	100.0	100.2
Chemicals and allied products	99.9	100.1	100.8	100.6	100.4	100.2	99.9	99.8	99.7	99.3	99.6	99.9
Petroleum and coal products	99.0	100.2	101.2	101.9	101.8	101.4	101.2	100.6	99.1	97.8	97.7	98.2
Rubber and miscellaneous plastic products	100.1	100.3	101.2	99.3	100.6	101.3	100.6	99.9	99.2	98.8	99.1	99.5
Leather and leather products	99.6	100.6	102.5	94.8	102.2	102.2	101.9	101.9	99.2	98.3	98.5	98.4
<b>Transportation and public utilities<sup>1</sup></b>												
Transportation	99.1	100.2	101.2	100.0	100.0	101.7	101.6	101.0	100.9	97.9	97.9	98.4
Communication and public utilities	99.6	99.8	100.6	100.9	100.8	100.1	100.0	100.0	100.0	99.4	99.4	99.5
<b>Wholesale trade<sup>1</sup></b>												
Durable goods	99.8	100.0	100.6	100.4	100.4	100.1	100.2	100.1	100.0	99.5	99.3	99.6
Nondurable goods	99.2	99.7	100.7	100.8	100.6	100.6	100.8	100.7	100.3	98.9	98.8	99.0
<b>Retail trade</b>	98.9	100.0	100.7	100.4	100.7	100.9	100.4	101.4	103.5	98.5	97.1	97.6
General merchandise stores	96.3	96.8	97.4	97.9	98.1	98.6	100.3	105.4	113.8	102.6	96.7	96.0
Food stores	99.0	99.6	100.2	100.2	100.1	100.5	100.3	101.0	101.8	99.5	99.0	98.7
Automotive dealers and service stations <sup>2</sup>	99.6	100.2	101.1	101.1	101.2	100.9	100.4	100.0	99.6	99.1	98.2	98.5
Eating and drinking places	99.9	102.1	103.5	102.7	103.1	103.0	100.5	99.4	99.3	95.0	95.0	96.7
<b>Finance, insurance, and real estate<sup>1</sup></b>												
Finance	99.0	99.0	100.2	100.8	101.1	100.2	100.1	100.2	100.3	100.0	99.6	99.5
Insurance	99.9	100.0	100.3	100.5	100.3	99.9	99.8	99.8	99.9	99.8	99.8	99.9
Real estate	98.6	100.7	103.2	104.4	104.2	101.8	99.8	98.8	98.2	96.9	96.5	96.9
<b>Services</b>	100.2	100.4	100.8	100.9	100.7	100.4	100.3	100.0	99.6	98.3	99.0	99.5
Business services	99.2	99.5	100.3	100.5	100.9	100.8	101.1	100.8	100.7	98.8	98.4	99.0
Health services	99.7	99.7	100.4	100.5	100.4	100.1	100.1	100.0	99.9	99.7	99.6	99.7
<b>Government<sup>1</sup></b>												
Federal	99.8	100.1	101.6	101.9	101.2	99.0	99.4	99.4	99.6	99.2	99.4	99.5
State	102.5	101.4	97.4	94.9	94.6	98.1	102.2	102.7	102.0	99.2	102.4	102.7
Local	102.4	102.9	102.0	93.8	92.7	97.4	100.5	101.7	101.6	100.5	102.0	102.6

<sup>1</sup> Seasonally adjusted data are derived by aggregation of the component series.

<sup>2</sup> No ARIMA models were identified to extend series for one year.

Factors shown relate to data from the latest year (April 1983-March 1984).

**Table 9. Seasonal adjustment factors for women employees on nonagricultural payrolls by industry**

Industry	1984									1985		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>Total<sup>1</sup></b>												
<b>Mining</b> .....	99.6	99.7	101.0	101.7	101.6	100.1	99.5	99.9	99.7	98.7	99.2	99.4
<b>Construction</b> .....	98.7	99.6	101.3	102.2	102.3	101.4	100.7	100.2	99.4	98.2	97.7	98.3
<b>Manufacturing<sup>1</sup></b>												
<b>Durable goods<sup>1</sup></b>												
Lumber and wood products .....	99.1	100.9	102.1	101.3	102.3	102.9	101.5	100.0	98.6	96.8	96.8	97.8
Furniture and fixtures .....	100.6	100.1	99.5	96.6	99.3	100.6	100.9	101.0	101.0	100.0	100.4	100.1
Stone, clay, and glass products .....	99.1	99.7	101.2	100.9	101.5	102.3	101.8	100.7	98.9	97.5	98.0	98.3
Primary metal industries .....	100.0	100.6	101.2	100.1	100.2	101.1	100.1	99.7	99.3	98.8	99.1	99.7
Fabricated metal products .....	100.2	100.2	100.9	98.8	99.9	101.3	100.8	100.4	99.4	99.0	99.3	99.8
Machinery, except electrical .....	100.1	100.1	100.2	99.5	99.2	100.2	99.9	100.2	100.3	99.9	100.1	100.3
Electrical and electronic equipment .....	99.8	100.2	100.8	99.5	99.8	100.8	100.7	100.3	100.0	99.3	99.4	99.5
Transportation equipment .....	99.8	100.3	101.0	100.1	98.9	101.2	100.8	100.5	99.6	99.0	99.0	99.8
Instruments and related products .....	99.8	100.0	100.8	99.5	100.2	100.4	100.1	100.3	100.1	99.7	99.6	99.6
Miscellaneous manufacturing .....	99.0	99.8	101.1	98.6	101.7	103.3	103.9	102.9	99.2	95.4	96.8	98.2
<b>Nondurable goods<sup>1</sup></b>												
Food and kindred products .....	93.6	95.3	98.5	102.6	109.8	110.4	106.3	102.5	98.4	94.7	94.2	93.7
Tobacco manufactures .....	90.0	89.3	91.3	89.4	106.6	111.7	113.3	105.5	105.8	103.4	99.7	94.2
Textile mill products .....	99.8	100.1	100.7	98.2	100.7	101.5	101.4	100.8	100.2	98.8	98.8	98.9
Apparel and other textile products .....	99.8	100.4	101.5	96.3	100.4	101.4	101.7	101.0	99.1	98.3	100.0	100.1
Paper and allied products .....	99.8	100.3	101.0	100.1	101.2	101.1	100.6	100.0	99.6	98.5	98.6	99.2
Printing and publishing .....	100.3	100.0	100.0	99.6	99.6	99.7	100.0	100.1	100.6	99.8	100.0	100.3
Chemicals and allied products .....	99.5	99.8	101.0	100.9	100.9	100.6	100.0	99.8	99.4	98.8	99.4	99.9
Petroleum and coal products .....	98.5	99.9	101.3	102.0	101.5	100.8	100.1	100.1	99.7	99.2	98.5	98.6
Rubber and miscellaneous plastic products .....	99.8	100.5	101.6	99.2	101.0	101.9	101.2	100.3	99.0	98.0	98.6	98.8
Leather and leather products .....	99.2	100.5	102.4	94.8	102.4	102.3	102.2	102.4	99.1	98.1	98.3	98.3
<b>Transportation and public utilities</b> .....	99.6	100.2	100.7	99.1	99.1	100.6	101.0	100.7	100.7	99.6	99.3	99.4
<b>Wholesale trade</b> .....	99.4	99.7	100.1	99.7	99.9	100.4	101.1	101.1	100.7	99.3	99.2	99.3
<b>Retail trade</b> .....	98.4	99.6	100.3	99.9	100.3	100.8	100.5	102.2	105.4	98.8	96.8	97.2
<b>Finance, insurance, and real estate</b> .....	99.8	99.9	100.6	100.9	100.7	100.0	99.7	99.8	99.8	99.5	99.5	99.7
<b>Services</b> .....	100.4	100.3	100.4	100.0	99.8	100.2	100.4	100.1	99.9	99.0	99.5	100.0
<b>Government<sup>1</sup></b>												
Federal .....	99.8	100.3	102.2	102.7	101.7	99.2	99.0	99.1	99.2	98.7	98.9	99.0
State .....	103.1	101.4	96.1	93.0	93.0	97.7	102.6	103.7	103.0	100.0	103.0	103.5
Local .....	104.1	104.2	101.8	88.8	87.3	96.8	101.3	103.1	102.9	101.9	103.6	104.2

<sup>1</sup> Seasonally adjusted data are derived by aggregation of the component series.

**Table 10. Seasonal adjustment factors for production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry**

Industry	1984									1985		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>Total private<sup>2</sup></b>												
<b>Mining<sup>3</sup></b> .....	98.6	99.5	101.0	101.5	101.0	100.7	100.2	100.6	100.2	99.4	98.5	98.7
<b>Construction</b> .....	94.5	100.5	104.7	107.3	108.8	107.9	107.6	105.0	98.9	88.9	86.7	89.1
<b>Manufacturing<sup>2</sup></b>												
<b>Durable goods<sup>2</sup></b>												
Lumber and wood products .....	98.0	100.4	103.5	103.6	104.7	104.4	102.0	99.5	97.2	95.0	95.5	96.2
Furniture and fixtures .....	99.9	99.6	99.8	97.3	99.9	101.4	101.3	101.2	100.8	99.7	99.8	99.3
Stone, clay, and glass products .....	98.6	100.7	102.7	102.5	103.5	103.8	102.9	101.4	98.1	94.8	94.6	96.4
Primary metal industries .....	101.1	100.7	101.3	99.6	100.1	101.1	99.2	98.8	98.5	99.4	99.6	100.8
Fabricated metal products .....	99.8	100.0	100.8	98.9	100.0	101.6	101.0	100.5	99.8	98.9	99.2	99.6
Machinery, except electrical .....	100.5	100.4	100.5	99.0	98.4	100.4	99.7	99.9	100.1	99.9	100.3	100.7
Electrical and electronic equipment .....	99.9	100.1	100.8	99.2	99.5	101.0	100.6	100.1	99.9	99.6	99.5	99.6
Transportation equipment .....	100.4	101.5	101.2	99.0	96.2	101.2	100.9	100.8	99.8	98.4	99.7	100.9
Instruments and related products .....	99.8	100.0	100.7	99.7	100.2	100.6	100.0	100.1	100.2	99.7	99.4	99.6
Miscellaneous manufacturing .....	99.3	99.9	101.2	98.1	101.7	103.4	103.8	102.8	98.8	95.6	97.1	98.2
<b>Nondurable goods<sup>2</sup></b>												
Food and kindred products <sup>3</sup> .....	94.8	96.2	99.1	102.4	107.6	108.4	104.9	101.7	98.8	95.9	95.2	95.0
Tobacco manufactures .....	91.3	90.7	92.2	91.7	105.6	109.3	110.2	104.6	106.7	103.6	99.0	95.2
Textile mill products .....	99.7	100.0	100.3	98.2	100.5	101.3	101.0	100.7	100.3	99.1	99.4	99.4
Apparel and other textile products .....	99.7	100.4	101.7	96.3	100.7	101.7	101.7	101.0	98.9	98.2	99.8	99.9
Paper and allied products .....	99.6	99.9	101.0	100.1	100.6	100.7	100.3	100.3	99.9	99.2	99.0	99.4
Printing and publishing <sup>3</sup> .....	100.3	100.0	99.8	99.0	99.4	99.9	100.0	100.4	100.9	99.9	100.1	100.4
Chemicals and allied products .....	100.0	100.3	101.0	100.3	100.3	100.2	99.7	99.7	99.7	99.3	99.6	99.9
Petroleum and coal products .....	98.8	100.3	101.6	102.5	102.6	102.2	102.1	100.7	98.5	96.6	96.4	97.5
Rubber and miscellaneous plastic products .....	100.2	100.4	101.3	99.0	100.7	101.7	100.8	99.9	99.0	98.5	98.9	99.4
Leather and leather products .....	99.3	100.6	102.5	94.4	102.7	102.6	102.3	102.2	99.1	97.8	98.1	98.4
<b>Transportation and public utilities</b> .....	99.2	100.1	101.1	100.4	100.3	101.2	101.1	100.6	100.5	98.5	98.4	98.7
<b>Wholesale trade</b> .....	99.4	99.8	100.7	100.6	100.6	100.5	100.6	100.5	100.2	99.1	98.9	99.1
<b>Retail trade</b> .....	98.7	99.9	100.7	100.4	100.7	100.9	100.5	101.5	103.9	98.5	96.9	97.4
<b>Finance, insurance, and real estate</b> .....	99.5	100.0	101.2	101.8	101.5	100.3	99.8	99.6	99.5	98.9	98.8	99.1
<b>Services</b> .....	100.2	100.4	100.9	101.0	100.7	100.3	100.3	99.9	99.6	98.2	98.9	99.5

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

<sup>2</sup> Seasonally adjusted data are derived by aggregation of the

component series.

<sup>3</sup> No ARIMA models were identified to extend series for one year. Factors shown relate to data from the latest year (April 1983–March 1984).

**Table 11. Seasonal adjustment factors for average weekly hours of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry**

Industry	1984									1985		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>Total private<sup>2</sup></b>												
<b>Mining</b> .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
<b>Construction</b> .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
<b>Manufacturing<sup>2</sup></b>												
<b>Durable goods<sup>2</sup></b>												
Lumber and wood products .....	99.5	101.2	102.2	100.5	101.4	100.6	100.3	99.2	99.6	97.3	98.6	99.6
Furniture and fixtures .....	99.4	99.5	101.2	98.4	101.2	100.6	101.4	100.8	102.4	97.3	97.9	99.7
Stone, clay, and glass products .....	99.8	100.6	101.6	100.8	101.1	101.0	100.7	100.5	100.0	97.3	97.7	98.9
Primary metal industries .....	100.4	99.5	100.4	99.6	99.4	100.5	99.0	99.8	101.0	100.0	100.0	100.4
Blast furnaces and basic steel products .....	102.1	99.3	100.3	101.0	99.3	100.7	98.3	98.9	100.6	99.7	99.9	99.8
Fabricated metal products .....	99.3	100.1	100.7	98.9	99.8	99.7	100.1	100.5	102.0	99.5	99.4	99.9
Machinery, except electrical .....	99.6	99.7	99.9	98.9	98.9	99.9	99.6	100.7	102.5	100.1	99.9	100.3
Electrical and electronic equipment .....	99.3	99.7	100.4	99.1	99.5	99.9	100.0	100.6	101.9	99.7	99.8	100.1
Transportation equipment .....	99.7	100.8	101.2	99.4	98.1	98.8	100.1	100.7	102.1	99.3	99.5	100.4
Motor vehicles and equipment .....	100.3	101.9	102.2	100.4	97.7	98.4	99.9	99.9	101.2	99.0	99.2	100.1
Instruments and related products .....	99.2	99.9	100.1	99.1	99.8	100.3	99.7	100.6	101.2	99.6	100.1	100.3
Miscellaneous manufacturing .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
<b>Nondurable goods<sup>2</sup></b>												
Food and kindred products .....	98.5	99.8	100.4	100.3	101.0	101.4	100.4	100.8	100.9	99.2	98.4	98.8
Tobacco manufactures .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Textile mill products .....	98.3	100.3	101.0	98.7	100.7	100.4	100.7	100.8	100.6	99.2	99.5	99.6
Apparel and other textile products .....	98.4	100.0	101.2	100.6	100.7	100.2	100.5	100.4	100.1	98.5	99.5	99.8
Paper and allied products .....	99.5	99.6	100.4	99.7	99.7	100.7	100.2	100.3	101.6	99.6	99.2	99.4
Printing and publishing .....	99.6	99.5	99.7	99.7	100.2	100.5	100.1	100.5	101.8	99.0	99.1	100.3
Chemicals and allied products .....	99.9	99.9	100.2	99.6	99.4	100.5	99.9	100.4	101.1	99.7	99.7	99.7
Petroleum and coal products <sup>4</sup> .....	100.5	100.2	100.9	101.1	99.9	102.5	100.4	100.4	100.1	98.6	97.8	97.6
Rubber and miscellaneous plastic products .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Leather and leather products .....	98.7	101.0	102.7	100.8	101.0	99.6	99.7	100.5	100.5	98.3	98.8	98.3
<b>Transportation and public utilities</b> .....	99.4	99.4	100.4	100.4	100.8	100.2	100.2	100.3	100.8	99.3	99.2	99.4
<b>Wholesale trade</b> .....	99.4	99.9	100.2	100.4	100.3	100.1	100.3	100.3	100.8	99.5	99.1	99.6
<b>Retail trade</b> .....	99.2	99.6	100.8	102.6	102.4	100.4	99.8	99.4	101.7	97.8	97.9	98.5
<b>Finance, insurance, and real estate</b> .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
<b>Services</b> .....	99.6	99.6	100.5	101.3	101.2	99.9	99.8	99.6	100.0	99.4	99.5	99.5

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

<sup>2</sup> Seasonally adjusted data are derived by aggregation of the component series.

<sup>3</sup> The seasonal adjustment 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>4</sup> No ARIMA models were identified to extend series for one year. Factors shown relate to data from the latest year (April 1983-March 1984).

**Table 12. Seasonal adjustment factors for average weekly overtime hours of production workers on manufacturing payrolls**

Industry	1984										1985		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
<b>Manufacturing<sup>1</sup></b>													
<b>Durable goods<sup>2</sup></b> .....	90.6	98.6	103.6	97.4	102.4	105.9	102.8	103.1	109.2	93.5	95.5	97.2	
<b>Nondurable goods</b> .....	90.1	96.1	100.5	99.5	107.6	112.9	105.3	101.5	101.5	95.0	95.1	94.8	

<sup>1</sup> Seasonally adjusted data are derived by aggregation of the component series.

Factors shown relate to data from the latest year (April 1983–March 1984).

<sup>2</sup> No ARIMA models were identified to extend series for one year.

**Table 13. Seasonal adjustment factors for average hourly earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry**

Industry	1984										1985		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
<b>Total private<sup>2</sup></b>													
<b>Mining</b> .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	
<b>Construction</b> .....	99.3	99.3	98.9	99.4	99.7	100.8	101.0	99.8	100.5	100.9	100.3	100.1	
<b>Manufacturing</b> .....	100.0	99.9	99.9	100.1	99.3	100.1	99.7	100.0	100.5	100.5	100.0	100.0	
<b>Transportation and public utilities</b> .....	99.6	99.5	99.2	99.6	100.1	100.4	100.3	100.7	100.4	100.6	100.1	99.5	
<b>Wholesale trade<sup>4</sup></b> .....	100.1	100.1	99.6	99.9	99.8	100.0	99.9	99.8	100.0	100.8	100.3	99.7	
<b>Retail trade</b> .....	100.2	100.1	99.9	99.7	99.3	99.9	99.8	100.0	99.1	100.9	100.8	100.3	
<b>Finance, insurance, and real estate<sup>4</sup></b> .....	100.0	100.2	99.6	99.5	100.0	99.7	99.9	100.0	99.5	100.8	100.8	100.0	
<b>Services</b> .....	100.0	99.9	99.2	98.9	98.8	100.0	100.3	100.3	100.4	101.2	100.7	100.2	

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

<sup>2</sup> Seasonally adjusted data are derived by aggregation of the component series.

<sup>3</sup> The seasonal adjustment 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>4</sup> No ARIMA models were identified to extend series for one year. Factors shown relate to data from the latest year (April 1983–March 1984).



**Table 14. Seasonal adjustment factors for the Hourly Earnings Index for production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry**

Industry	1984									1985		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>Total private<sup>2</sup></b>												
<b>Mining</b> .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
<b>Construction</b> .....	99.2	99.5	99.3	99.9	100.2	101.2	101.3	100.0	100.3	100.2	99.5	99.3
<b>Manufacturing<sup>2</sup></b>												
Durable goods .....	99.9	99.9	99.9	100.0	99.5	100.1	100.0	100.1	100.3	100.3	100.0	99.9
Nondurable goods .....	100.2	99.9	99.9	99.9	99.6	100.0	99.7	99.9	100.2	100.5	100.2	100.0
<b>Transportation and public utilities</b> .....	99.7	99.6	99.1	99.4	99.9	100.3	100.3	100.7	100.4	100.7	100.3	99.6
<b>Wholesale trade</b> .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
<b>Retail trade</b> .....	100.3	100.4	100.1	99.9	99.7	100.1	99.8	99.7	99.3	100.3	100.3	100.1
<b>Finance, insurance, and real estate</b> .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
<b>Services</b> .....	100.0	100.1	99.4	99.3	99.3	100.0	100.0	100.2	100.1	101.0	100.6	100.0

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

<sup>2</sup> Seasonally adjusted data are derived by aggregation of the component series.

<sup>3</sup> The seasonal adjustment 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.

NOTE: The Hourly Earnings Index excludes the effects of two types of changes that are unrelated to underlying wage rate movements--fluctuations in overtime in manufacturing and interindustry employment shifts.

# Publication of Employment Data for Additional Service-Producing Industries

\*John T. Tucker

This issue of *Employment and Earnings* begins publication of monthly employment estimates from the establishment survey for 82 additional industries in the service-producing sector of the economy. This expansion results from efforts in recent years to restructure the establishment survey sample to provide more disaggregated data for the service-producing sector—transportation and public utilities, wholesale and retail trade, finance, insurance, and real estate, services, and government—which has been providing most of the Nation's jobs since about 1955. The publication of these estimates does not affect totals and subtotals for industry divisions and groups.

Table 1 provides, for each of the 82 new industries, employment levels for March of 1982-84, the number of reporting units used for estimation, the proportion of employment covered by the sample, and the average number of employees per establishment. The new series are available from January 1982 forward; complete historical detail will be published in the July 1984 *Supplement to Employment and Earnings*. Current data now appear monthly in table B-2 of this publication.

## Restructuring of the sample

This expansion in industry detail, which is being introduced coincident with the adjustment to March 1983 benchmark levels, marks the first time that selected 4-digit detail based on the 1972 Standard Industrial Classification (SIC) is being produced for the service-producing sector. Until 1978, the sample frame used for the survey, a list of employers covered by State unemployment insurance laws, was only coded to the 3-digit SIC level for nonmanufacturing industries. Therefore, it was not possible to draw a sample below the 3-digit level or to construct employment universe counts (benchmarks) for 4-digit industries.

An expansion in the SIC coding in the unemployment insurance system was completed in 1978, which enabled BLS and cooperating State agencies to begin building a sample of employers coded to the 4-digit SIC level. In order to produce the additional industry detail, the sample of employers has been increased significantly over

the past 5 years—by 26,000 or 26.5 percent. The sample now totals 124,000 for this sector.

The sample characteristics information shown in table 1 points up the nature (i.e., small establishments) of most of these industries which makes it difficult to develop and maintain samples. In marked contrast, many of the goods-producing industries have sample coverage ranging from 60 to 95 percent based on much smaller sample numbers since they are characterized by large establishments.

The need remains for a major restructuring of the SIC, as is apparent from table 2, which compares the published output of the establishment survey to the total industry detail provided for by the 1972 SIC structure. The coding structure continues to provide for considerably more industry detail for goods-producing industries (mining, construction, and manufacturing) than for the services sector. Because of cost considerations, adding greater detail for the services sector would require dropping many of the smaller goods-producing industries. However, any decision to drop a large number of relatively small manufacturing industries would probably be resisted by data users. Many of these industries have considerably more economic importance than is apparent from the level of employment. In addition, some are extremely cyclical and are watched closely by analysts during critical phases of the business cycle. Thus, future progress in restructuring the output of the survey depends on the extent to which the SIC system will be restructured in the next scheduled revision in 1987.

## Usefulness of the additional industry detail

The number of nonfarm payroll jobs has increased by 5.0 million from the November 1982 recession trough (as designated by the National Bureau of Economic Research). While a strong rebound in the goods-producing sector has occurred, most of the job growth (3.1 million) has taken place in the service-producing sector. Since this sector is so large and heterogeneous, disaggregation into finer categories will enable analysts and other data users to better identify underlying employment trends.

A good example of the usefulness of the additional detail available may be found in the personnel supply

\* John T. Tucker is Chief, Division of Monthly Industry Employment Statistics, Office of Employment and Unemployment Statistics, Bureau of Labor Statistics.

services industry (SIC 736) which has had a large employment gain during the current recovery. From a level of 540,000 in November 1982, employment in this industry has risen by 280,000 over the past 18 months, contributing 1 out of 13 new jobs. Separating the industry into its 4-digit components—employment agencies (SIC 7361) and temporary help supply services (SIC 7362)—reveals that almost all of this growth was concentrated in the latter industry. This rapid employment growth in temporary help supply services indicates that employers are increasingly contracting out for services

rather than adding to their own payrolls.

The service-producing sector of the economy has been expanding markedly throughout this century. It now accounts for almost three-fourths of total nonagricultural employment, as measured by the BLS survey of nonagricultural establishments. Unfortunately, the identification of the specific industries that have contributed to this remarkable growth has not kept pace. BLS is attempting to rectify this problem through the addition of 82 service-producing industries to its published employment detail.

**Table 1. Employment levels and sample characteristics for 82 additional industries in the service-producing sector**

Industry	1972 SIC Code	Employment (in thousands)			Sample characteristics, 1982		
		March 1982	March 1983	March 1984	Reporting units	Employment coverage (percent)	Average number of employees per establishment
<b>Transportation and public utilities</b>							
Local water transportation	445	31.4	26.6	27.9	65	15	18
Water transportation services	446	106.8	97.6	101.5	227	30	18
Air transportation services	458	50.8	51.3	57.3	114	18	16
Freight forwarding	471	53.5	52.8	57.5	105	13	13
Radio broadcasting	4832	106.5	109.2	110.2	275	9	19
Television broadcasting	4833	108.9	113.5	117.2	147	21	91
<b>Wholesale trade</b>							
Automobiles and other motor vehicles	5012	101.4	94.4	100.1	295	14	18
Automotive parts and supplies	5013	271.0	265.7	277.3	901	13	11
Furniture	5021	47.3	46.7	49.5	117	10	8
Home furnishings	5023	67.4	65.3	68.3	179	12	9
Lumber, plywood, and millwork	5031	77.2	78.6	91.4	318	15	11
Construction materials, nec	5039	98.4	97.4	104.9	355	9	9
Electrical apparatus and equipment	5063	239.0	232.3	242.1	597	16	14
Electrical appliances, TV, and radios	5064	73.3	69.8	73.8	178	15	18
Electronic parts and equipment	5065	122.0	127.4	143.2	200	11	11
Hardware	5072	83.9	79.0	82.0	301	20	12
Plumbing and hydronic heating supplies	5074	96.6	93.8	101.0	445	14	10
Commercial machines and equipment	5081	418.6	436.3	474.1	518	13	18
Construction and mining machinery	5082	83.8	71.4	76.2	281	25	17
Farm machinery and equipment	5083	146.1	133.2	135.5	656	11	10
Industrial machinery and equipment	5084	333.8	290.7	301.7	698	9	10
Industrial supplies	5085	129.1	123.0	129.7	436	13	10
Professional equipment and supplies	5086	141.4	146.7	154.2	255	7	9
Scrap and waste materials	5093	89.7	79.4	90.9	448	19	10
Groceries, general line	5141	209.3	212.9	225.0	541	29	26
Meats and meat products	5147	63.7	62.3	64.9	256	14	12
Fresh fruits and vegetables	5148	85.4	84.5	88.6	427	24	15
Petroleum bulk stations and terminals	5171	93.8	86.2	83.0	336	26	15
Petroleum products nec	5172	131.4	125.3	125.6	485	23	12
Beer and ale	5181	87.2	88.7	92.1	357	17	20
Wines and distilled beverages	5182	55.4	55.2	56.6	172	25	23
Farm supplies	5191	153.4	148.2	149.2	549	13	9
<b>Retail trade</b>							
Dairy products stores	545	36.1	35.9	37.1	170	8	10
Furniture stores	5712	228.2	224.0	242.8	842	9	8
Radio and television stores	5732	91.6	103.9	125.6	114	4	7
Music stores	5733	59.3	56.1	59.6	133	7	8
Sporting goods and bicycle shops	5941	100.4	103.2	109.4	144	5	6
Book stores	5942	60.0	61.1	66.6	90	14	8

See footnote at end of table.

**Table 1. Employment levels and sample characteristics for 82 additional industries in the service-producing sector—Continued**

Industry	1972 SIC Code	Employment (in thousands)			Sample characteristics, 1982		
		March 1982	March 1983	March 1984	Reporting units	Employment coverage (percent)	Average number of employees per establishment
<b>Retail trade—Continued</b>							
Stationery stores	5943	63.6	63.5	67.6	191	10	10
Jewelry stores	5944	133.4	134.0	133.7	327	6	8
Gift, novelty, and souvenir shops	5947	104.3	107.4	112.6	132	5	5
Sewing, needlework, and piece goods	5949	62.1	63.3	66.0	111	11	8
Mail order houses	5961	119.2	116.6	118.8	506	44	21
Merchandising machine operators	5962	80.9	76.2	82.5	175	14	16
<b>Finance, insurance, and real estate</b>							
State banks, Federal Reserve	6022	327.4	329.6	335.3	541	47	109
State banks, not Federal Reserve	6023,4	375.0	375.5	381.0	1,335	39	40
Mutual savings banks	603	73.9	73.5	77.2	216	53	55
Federal savings and loan associations	6122	149.7	163.0	178.3	526	48	45
State associations, insured	6123	108.3	112.6	120.7	348	42	34
Business credit institutions	615	34.1	37.4	36.6	61	13	15
Mortgage bankers and brokers	616	58.1	73.8	91.2	191	25	15
Title insurance	636	39.7	38.2	44.6	133	29	18
<b>Services</b>							
Photographic studios, portrait	722	45.3	48.0	52.8	101	17	7
Advertising agencies	7311	119.7	122.5	133.5	221	11	11
Employment agencies	7361	131.4	121.6	157.8	127	4	13
Temporary help supply services	7362	411.9	410.1	572.8	346	12	67
Computer programming and software	7372	107.5	128.0	151.2	84	9	14
Data processing services	7374	200.7	212.2	240.4	264	13	26
Miscellaneous business services	739	1,438.6	1,487.3	1,623.3	2,064	13	12
Research and development laboratories	7391	166.7	169.5	175.4	131	25	49
Management and public relations	7392	359.4	385.8	431.9	464	8	8
Detective and protective services	7393	343.0	346.4	374.4	420	17	38
Equipment rental and leasing	7394	128.3	127.8	138.7	250	6	9
Photofinishing laboratories	7395	69.8	71.9	73.6	128	16	20
Automotive rentals, without drivers	751	120.2	121.5	130.0	284	20	20
Electrical repair shops	762	85.2	87.0	86.0	227	12	5
Skilled nursing care facilities	8051	660.1	694.4	725.5	1,198	21	98
Nursing and personal care, nec	8059	388.5	394.7	406.4	556	13	61
General medical and surgical hospitals	8062	2,836.0	2,867.0	2,846.4	1,271	31	648
Psychiatric hospitals	8063	46.5	47.6	49.0	55	22	167
Specialty hospitals, excluding psychiatric	8069	108.6	113.9	117.0	51	17	348
Medical and dental laboratories	807	109.4	109.8	110.0	255	12	9
Outpatient care facilities	808	156.3	167.2	185.6	245	14	33
Correspondence and vocational schools	824	51.8	54.7	60.4	185	19	17
Individual and family services	832	222.5	239.4	282.3	429	14	7
Job training and related services	833	183.8	186.5	202.4	254	15	26
Residential care	836	231.2	244.6	257.4	514	17	26
Museums, botanical and zoological gardens	84	33.4	34.4	37.5	85	19	25
Business associations	861	85.0	84.7	86.7	383	12	6
Labor organizations	863	146.3	138.8	136.9	641	9	7
Civic and social associations	864	300.4	308.1	318.0	974	17	10
Noncommercial research organizations	892	109.6	107.3	108.8	161	24	28

nec = not elsewhere classified.

**Table 2. Distribution of industries according to the 1972 Standard Industrial Classification (SIC) structure and as currently published by BLS**

Industry	1972 SIC structure		Currently published by BLS		
	Number of industries	Percent distribution	Number of industries	Percent distribution	Percent of total in SIC structure
Total	1,230	100.0	592	100.0	48.1
Goods-producing	663	53.9	353	59.6	53.2
Mining	58	4.7	13	2.2	22.4
Construction	36	2.9	15	2.5	41.7
Manufacturing	569	46.3	324	54.7	56.9
Service-producing	567	46.1	239	40.4	42.2
Transportation and public utilities	98	8.0	29	4.9	29.6
Wholesale trade	80	6.5	46	7.8	57.5
Retail trade	82	6.7	45	7.6	54.9
Finance, insurance, and real estate	95	7.7	27	6	28.4
Services	174	14.1	68	5	39.1
Government	38	3.1	23	9	60.5

**HOUSEHOLD DATA  
HISTORICAL**

**A-1. Employment status of the noninstitutional population 16 years and over, 1951 to date**

(Numbers in thousands)

Year and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
<b>Annual averages</b>												
1951 .....	106,764	64,160	60.1	62,104	2,143	59,961	6,726	53,235	2,055	3.2	42,604	
1952 .....	107,617	64,524	60.0	62,636	2,386	60,250	6,500	53,749	1,883	2.9	43,093	
1953 <sup>1</sup> .....	109,287	65,246	59.7	63,410	2,231	61,179	6,260	54,919	1,834	2.8	44,041	
1954 .....	110,463	65,785	59.6	62,251	2,142	60,109	6,205	53,904	3,532	5.4	44,678	
1955 .....	111,747	67,087	60.0	64,234	2,064	62,170	6,450	55,722	2,852	4.3	44,660	
1956 .....	112,919	68,517	60.7	65,764	1,965	63,799	6,283	57,514	2,750	4.0	44,402	
1957 .....	114,213	68,877	60.3	66,019	1,948	64,071	5,947	58,123	2,859	4.2	45,336	
1958 .....	115,574	69,486	60.1	64,883	1,847	63,036	5,586	57,450	4,602	6.6	46,088	
1959 .....	117,117	70,157	59.9	66,418	1,788	64,630	5,565	59,065	3,740	5.3	46,960	
1960 <sup>1</sup> .....	119,106	71,489	60.0	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,817	
1961 .....	120,671	72,359	60.0	67,646	1,900	65,746	5,200	60,546	4,714	6.5	48,312	
1962 <sup>1</sup> .....	122,214	72,675	59.5	68,763	2,061	66,702	4,944	61,759	3,911	5.4	49,539	
1963 .....	124,422	73,839	59.3	69,768	2,006	67,762	4,687	63,076	4,070	5.5	50,583	
1964 .....	126,503	75,109	59.4	71,323	2,018	69,305	4,523	64,782	3,786	5.0	51,394	
1965 .....	128,459	76,401	59.5	73,034	1,946	71,088	4,361	66,726	3,366	4.4	52,058	
1966 .....	130,180	77,892	59.8	75,017	2,122	72,895	3,979	68,915	2,875	3.7	52,288	
1967 .....	132,092	79,565	60.2	76,590	2,218	74,372	3,844	70,527	2,975	3.7	52,527	
1968 .....	134,281	80,990	60.3	78,173	2,253	75,920	3,817	72,103	2,817	3.5	53,291	
1969 .....	136,573	82,972	60.8	80,140	2,238	77,902	3,606	74,298	2,832	3.4	53,602	
1970 .....	139,203	84,889	61.0	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315	
1971 .....	142,189	86,355	60.7	81,340	1,973	79,367	3,394	75,972	5,016	5.8	55,834	
1972 <sup>1</sup> .....	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091	
1973 <sup>1</sup> .....	148,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,667	
1974 .....	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171	
1975 .....	154,831	95,453	61.6	87,524	1,678	85,846	3,408	82,438	7,929	8.3	59,377	
1976 .....	157,818	97,826	62.0	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991	
1977 .....	160,689	100,665	62.6	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025	
1978 <sup>1</sup> .....	163,541	103,882	63.5	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659	
1979 .....	166,460	106,559	64.0	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900	
1980 .....	169,349	108,544	64.1	100,907	1,604	99,303	3,364	95,938	7,637	7.0	60,806	
1981 .....	171,775	110,315	64.2	102,042	1,645	100,397	3,368	97,030	8,273	7.5	61,460	
1982 .....	173,939	111,872	64.3	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067	
1983 .....	175,891	113,226	64.4	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,665	
<b>Monthly data, seasonally adjusted<sup>2</sup></b>												
<b>1983:</b>												
May .....	175,622	112,619	64.1	101,431	1,669	99,762	3,374	96,388	11,188	9.9	63,003	
June .....	175,793	113,573	64.6	102,411	1,668	100,743	3,479	97,264	11,162	9.8	62,220	
July .....	175,970	113,489	64.5	102,889	1,664	101,225	3,499	97,726	10,600	9.3	62,481	
August .....	176,122	113,799	64.6	103,166	1,682	101,484	3,449	98,035	10,633	9.3	62,323	
September .....	176,297	113,924	64.6	103,571	1,695	101,876	3,308	98,568	10,353	9.1	62,373	
October .....	176,474	113,561	64.3	103,665	1,695	101,970	3,240	98,730	9,896	8.7	62,913	
November .....	176,636	113,720	64.4	104,291	1,685	102,606	3,257	99,349	9,429	8.3	62,916	
December .....	176,809	113,824	64.4	104,629	1,688	102,941	3,356	99,585	9,195	8.1	62,985	
<b>1984:</b>												
January .....	177,219	113,901	64.3	104,876	1,686	103,190	3,271	99,918	9,026	7.9	63,318	
February .....	177,363	114,377	64.5	105,576	1,684	103,892	3,395	100,496	8,801	7.7	62,986	
March .....	177,510	114,598	64.6	105,826	1,686	104,140	3,281	100,859	8,772	7.7	62,912	
April .....	177,662	114,938	64.7	106,095	1,693	104,402	3,393	101,009	8,843	7.7	62,724	
May .....	177,813	115,493	65.0	106,978	1,690	105,288	3,389	101,899	8,514	7.4	62,320	

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

<sup>2</sup> The population and Armed Forces figures are not adjusted for seasonal variation.

**A-2. Employment status of the noninstitutional population 16 years and over by sex, 1973 to date**

(Numbers in thousands)

Sex, year, and month	Noninstitutional population	Labor force									Not in labor force
		Number	Percent of population	Employed					Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force	
						Total	Agriculture	Nonagricultural industries			
<b>Annual averages</b>											
<b>MEN</b>											
1973 <sup>1</sup>	71,017	56,349	79.3	54,074	1,725	52,349	2,847	49,502	2,275	4.0	14,667
1974	72,466	57,397	79.2	54,682	1,658	53,024	2,919	50,105	2,714	4.7	15,069
1975	73,891	57,899	78.4	53,457	1,600	51,857	2,824	49,032	4,442	7.7	15,993
1976	75,341	58,756	78.0	54,720	1,582	53,138	2,744	50,394	4,036	6.9	16,585
1977	76,756	59,959	78.1	56,291	1,563	54,728	2,671	52,057	3,667	6.1	16,797
1978 <sup>1</sup>	78,107	61,151	78.3	58,010	1,531	56,479	2,718	53,761	3,142	5.1	18,956
1979	79,509	62,215	78.2	59,096	1,489	57,607	2,686	54,921	3,120	5.0	17,293
1980	80,877	62,932	77.8	58,665	1,479	57,186	2,709	54,477	4,267	6.8	17,945
1981	82,023	63,486	77.4	58,909	1,512	57,397	2,700	54,697	4,577	7.2	18,537
1982	83,052	63,979	77.0	57,800	1,529	56,271	2,736	53,534	6,179	9.7	19,073
1983	84,064	64,580	76.8	58,320	1,533	56,787	2,704	54,083	6,260	9.7	19,484
<b>Monthly data, seasonally adjusted<sup>2</sup></b>											
<b>1983:</b>											
May	83,931	64,348	76.7	57,744	1,528	56,216	2,715	53,501	6,604	10.3	19,583
June	84,014	64,778	77.1	58,389	1,525	56,844	2,784	54,060	6,409	9.9	19,236
July	84,099	64,840	77.1	58,592	1,521	57,071	2,812	54,259	6,248	9.6	19,259
August	84,173	64,807	77.0	58,607	1,538	57,069	2,782	54,307	6,200	9.6	19,366
September	84,261	64,877	77.0	58,828	1,549	57,279	2,676	54,603	6,049	9.3	19,384
October	84,344	64,709	76.7	58,950	1,543	57,407	2,595	54,812	5,759	8.9	19,635
November	84,423	64,846	76.8	59,389	1,534	57,855	2,575	55,280	5,457	8.4	19,577
December	84,506	64,838	76.7	59,580	1,537	58,043	2,650	55,393	5,258	8.1	19,668
<b>1984:</b>											
January	84,745	64,930	76.6	59,781	1,542	58,239	2,605	55,635	5,149	7.9	19,815
February	84,811	65,093	76.8	60,147	1,540	58,607	2,697	55,910	4,946	7.6	19,718
March	84,880	65,156	76.8	60,290	1,542	58,748	2,638	56,112	4,667	7.5	19,724
April	84,953	65,212	76.8	60,293	1,548	58,745	2,720	56,026	4,919	7.5	19,741
May	85,024	65,307	76.8	60,629	1,545	59,084	2,723	56,361	4,678	7.2	19,717
<b>Annual averages</b>											
<b>WOMEN</b>											
1973 <sup>1</sup>	77,853	34,853	44.8	32,764	49	32,715	622	32,093	2,089	6.0	43,000
1974	79,375	36,274	45.7	33,832	63	33,769	596	33,173	2,441	6.7	43,101
1975	80,938	37,553	46.4	34,087	78	33,989	584	33,404	3,486	9.3	43,386
1976	82,476	39,069	47.4	35,701	86	35,615	588	35,027	3,369	8.6	43,406
1977	83,932	40,705	48.5	37,381	92	37,289	612	36,677	3,324	8.2	43,227
1978 <sup>1</sup>	85,434	42,731	50.0	39,669	100	39,569	869	38,900	3,061	7.2	42,703
1979	86,951	44,343	51.0	41,325	108	41,217	661	40,556	3,018	6.8	42,608
1980	88,472	45,611	51.6	42,241	124	42,117	656	41,461	3,370	7.4	42,861
1981	89,751	46,829	52.2	43,133	133	43,000	667	42,333	3,696	7.9	42,922
1982	90,887	47,894	52.7	43,395	139	43,256	665	42,591	4,499	9.4	42,993
1983	91,827	48,646	53.0	44,190	143	44,047	680	43,367	4,457	9.2	43,181
<b>Monthly data, seasonally adjusted<sup>2</sup></b>											
<b>1983:</b>											
May	91,691	48,271	52.6	43,687	141	43,546	659	42,887	4,584	9.5	43,420
June	91,779	48,795	53.2	44,042	143	43,899	695	43,204	4,753	9.7	42,984
July	91,871	48,649	53.0	44,297	143	44,154	687	43,467	4,352	8.9	43,222
August	91,949	48,992	53.3	44,559	144	44,415	687	43,728	4,433	9.0	42,957
September	92,036	49,047	53.3	44,743	146	44,597	632	43,965	4,304	8.8	42,989
October	92,129	48,852	53.0	44,715	152	44,563	645	43,918	4,137	8.5	43,277
November	92,214	48,874	53.0	44,902	151	44,751	682	44,069	3,972	8.1	43,340
December	92,302	48,986	53.1	45,049	151	44,898	706	44,192	3,937	8.0	43,316
<b>1984:</b>											
January	92,474	48,971	53.0	45,094	144	44,950	667	44,284	3,876	7.9	43,503
February	92,552	49,283	53.2	45,429	144	45,285	698	44,587	3,855	7.8	43,269
March	92,630	49,442	53.4	45,536	144	45,392	646	44,747	3,905	7.9	43,188
April	92,709	49,725	53.6	45,802	145	45,657	673	44,983	3,924	7.9	42,984
May	92,789	50,186	54.1	46,350	145	46,205	666	45,538	3,836	7.6	42,603

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

<sup>2</sup> The population and Armed Forces figures are not adjusted for seasonal variation.

**HOUSEHOLD DATA  
HISTORICAL**

**A-3. Employment status of the civilian noninstitutional population 16 years and over, 1951 to date**

(Numbers in thousands)

Year and month	Civilian noninstitutional population	Civilian labor force				Unemployment rates		
		Total	Percent of population	Employed	Unemployed	Total	Men	Women
<b>Annual averages</b>								
1951 .....	104,621	62,017	59.2	59,961	2,055	3.3	2.8	4.4
1952 .....	105,231	62,138	59.0	60,250	1,883	3.0	2.8	3.6
1953 <sup>1</sup> .....	107,056	63,015	58.9	61,179	1,834	2.9	2.8	3.3
1954 .....	108,321	63,643	58.8	60,109	3,532	5.5	5.3	6.0
1955 .....	109,683	65,023	59.3	62,170	2,852	4.4	4.2	4.9
1956 .....	110,954	66,552	60.0	63,799	2,750	4.1	3.8	4.8
1957 .....	112,265	66,929	59.6	64,071	2,859	4.3	4.1	4.7
1958 .....	113,727	67,639	59.5	63,036	4,602	6.8	6.8	6.8
1959 .....	115,329	68,369	59.3	64,630	3,740	5.5	5.2	5.9
1960 <sup>1</sup> .....	117,245	69,628	59.4	65,778	3,852	5.5	5.4	5.9
1961 .....	118,771	70,459	59.3	65,746	4,714	6.7	6.4	7.2
1962 <sup>1</sup> .....	120,153	70,614	58.8	66,702	3,911	5.5	5.2	6.2
1963 .....	122,416	71,833	58.7	67,762	4,070	5.7	5.2	6.5
1964 .....	124,485	73,091	58.7	69,305	3,786	5.2	4.6	6.2
1965 .....	126,513	74,455	58.9	71,088	3,366	4.5	4.0	5.5
1966 .....	128,058	75,770	59.2	72,895	2,875	3.8	3.2	4.8
1967 .....	129,874	77,347	59.6	74,372	2,975	3.8	3.1	5.2
1968 .....	132,028	78,737	59.6	75,920	2,817	3.6	2.9	4.8
1969 .....	134,335	80,734	60.1	77,902	2,832	3.5	2.8	4.7
1970 .....	137,085	82,771	60.4	78,678	4,093	4.9	4.4	5.9
1971 .....	140,216	84,382	60.2	79,367	5,016	5.9	5.3	6.9
1972 <sup>1</sup> .....	144,126	87,034	60.4	82,153	4,882	5.6	5.0	6.6
1973 <sup>1</sup> .....	147,096	89,429	60.8	85,064	4,365	4.9	4.2	6.0
1974 .....	150,120	91,949	61.3	86,794	5,156	5.6	4.9	6.7
1975 .....	153,153	93,775	61.2	85,846	7,929	8.5	7.9	9.3
1976 .....	156,150	96,158	61.6	88,752	7,406	7.7	7.1	8.6
1977 .....	159,033	99,009	62.3	92,017	6,991	7.1	6.3	8.2
1978 <sup>1</sup> .....	161,910	102,251	63.2	96,048	6,202	6.1	5.3	7.2
1979 .....	164,863	104,962	63.7	98,824	6,137	5.8	5.1	6.8
1980 .....	167,745	106,940	63.8	99,303	7,637	7.1	6.9	7.4
1981 .....	170,130	108,670	63.9	100,397	8,273	7.6	7.4	7.9
1982 .....	172,271	110,204	64.0	99,526	10,678	9.7	9.9	9.4
1983 .....	174,215	111,550	64.0	100,834	10,717	9.6	9.9	9.2
<b>Monthly data, seasonally adjusted<sup>2</sup></b>								
<b>1983:</b>								
May .....	173,953	110,950	63.8	99,762	11,188	10.1	10.5	9.5
June .....	174,125	111,905	64.3	100,743	11,162	10.0	10.1	9.8
July .....	174,306	111,825	64.2	101,225	10,600	9.5	9.9	9.0
August .....	174,440	112,117	64.3	101,484	10,633	9.5	9.8	9.1
September .....	174,602	112,229	64.3	101,876	10,353	9.2	9.6	8.8
October .....	174,779	111,866	64.0	101,970	9,896	8.8	9.1	8.5
November .....	174,951	112,035	64.0	102,606	9,429	8.4	8.6	8.2
December .....	175,121	112,136	64.0	102,941	9,195	8.2	8.3	8.1
<b>1984:</b>								
January .....	175,533	112,215	63.9	103,190	9,026	8.0	8.1	7.9
February .....	175,679	112,693	64.1	103,892	8,801	7.8	7.8	7.8
March .....	175,824	112,912	64.2	104,140	8,772	7.8	7.7	7.9
April .....	175,969	113,245	64.4	104,402	8,843	7.8	7.7	7.9
May .....	176,123	113,803	64.6	105,288	8,514	7.5	7.3	7.7

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

**Explanatory Notes.**

<sup>2</sup> The population figures are not adjusted for seasonal variation.



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-4. Employment status of the civilian noninstitutional population by age, sex, and race**

(Numbers in thousands)

Age, sex, and race	May 1984										
	Civilian noninstitutional population	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					
<b>TOTAL</b>											
16 years and over .....	176,123	113,251	64.3	105,096	8,154	7.2	62,873	31,402	9,263	2,927	19,281
16 to 19 years .....	14,778	7,650	51.8	6,238	1,412	18.5	7,128	506	6,100	20	501
16 to 17 years .....	7,197	2,916	40.5	2,328	587	20.1	4,282	135	3,985	4	177
18 to 19 years .....	7,581	4,734	62.5	3,910	824	17.4	2,848	372	2,135	16	324
20 to 24 years .....	20,732	15,984	77.1	14,167	1,817	11.4	4,749	1,905	2,074	55	715
25 to 54 years .....	92,212	74,633	80.9	70,338	4,295	5.8	17,578	13,108	1,042	926	2,502
25 to 34 years .....	39,906	32,598	81.7	30,382	2,216	6.8	7,308	5,414	762	219	913
25 to 29 years .....	20,882	17,021	81.6	15,752	1,289	7.5	3,841	2,712	534	84	512
30 to 34 years .....	19,044	15,577	81.8	14,830	947	6.1	3,487	2,702	228	136	402
35 to 44 years .....	30,093	24,943	82.9	23,688	1,255	5.0	5,150	4,023	198	252	678
35 to 39 years .....	18,646	13,819	83.0	13,047	771	5.8	2,828	2,206	142	117	360
40 to 44 years .....	13,447	11,125	82.7	10,840	485	4.4	2,322	1,814	56	134	318
45 to 54 years .....	22,213	17,092	76.9	16,268	824	4.8	5,121	3,672	82	456	911
45 to 49 years .....	11,278	8,948	79.3	8,465	483	5.2	2,331	1,708	57	179	388
50 to 54 years .....	10,934	8,145	74.5	7,783	360	4.4	2,789	1,964	25	277	523
55 to 64 years .....	22,052	12,038	54.6	11,515	521	4.3	10,016	5,636	29	785	3,565
55 to 59 years .....	11,301	7,264	64.3	6,937	327	4.5	4,036	2,521	21	399	1,095
60 to 64 years .....	10,752	4,772	44.4	4,578	194	4.1	5,980	3,115	8	387	2,470
65 years and over .....	28,348	2,947	11.2	2,838	110	3.7	23,401	10,245	18	1,140	11,997
65 to 69 years .....	8,961	1,872	18.7	1,611	61	3.6	7,288	3,185	8	246	3,849
70 years and over .....	17,387	1,275	7.3	1,226	49	3.8	16,112	7,060	11	895	8,148
<b>Men</b>											
16 years and over .....	63,479	63,534	78.1	59,061	4,472	7.0	19,945	524	4,696	1,714	13,012
16 to 19 years .....	7,406	4,021	54.3	3,301	720	17.9	3,385	14	3,107	14	250
16 to 17 years .....	3,654	1,550	42.4	1,243	307	19.8	2,105	8	2,001	2	95
18 to 19 years .....	3,752	2,471	85.9	2,058	413	16.7	1,280	8	1,105	12	155
20 to 24 years .....	10,129	8,572	84.6	7,808	963	11.2	1,558	26	1,082	32	417
25 to 54 years .....	44,906	42,133	93.8	39,732	2,402	5.7	2,772	137	490	647	1,497
25 to 34 years .....	19,548	18,364	93.9	17,136	1,228	8.7	1,184	70	404	155	554
25 to 29 years .....	10,232	9,514	93.0	8,813	701	7.4	718	45	297	60	317
30 to 34 years .....	9,318	8,850	95.0	8,323	527	5.9	486	25	108	96	238
35 to 44 years .....	14,641	13,998	95.6	13,283	715	5.1	642	43	58	183	359
35 to 39 years .....	8,104	7,741	95.5	7,288	453	5.8	364	29	39	95	201
40 to 44 years .....	6,536	6,258	95.7	5,995	263	4.2	278	14	19	87	158
45 to 54 years .....	10,717	9,771	91.2	9,312	459	4.7	948	25	28	309	584
45 to 49 years .....	5,467	5,118	93.6	4,859	259	5.1	350	7	20	110	213
50 to 54 years .....	5,250	4,654	88.8	4,453	200	4.3	596	18	8	199	371
55 to 64 years .....	10,284	7,033	68.4	6,713	320	4.6	3,251	102	7	540	2,802
55 to 59 years .....	5,323	4,263	80.1	4,071	191	4.5	1,061	33	6	277	745
60 to 64 years .....	4,961	2,770	55.8	2,642	129	4.6	2,191	69	1	263	1,857
65 years and over .....	10,754	1,775	16.5	1,707	68	3.8	8,979	245	9	480	8,245
65 to 69 years .....	3,993	974	24.4	940	34	3.5	3,018	65	4	133	2,816
70 years and over .....	6,761	800	11.8	767	34	4.2	5,961	180	6	347	5,429
<b>Women</b>											
16 years and over .....	92,644	49,717	53.7	48,035	3,882	7.4	42,927	30,878	4,567	1,213	6,269
16 to 19 years .....	7,372	3,629	49.2	2,938	692	19.1	3,743	493	2,994	5	251
16 to 17 years .....	3,543	1,366	38.6	1,086	281	20.5	2,177	129	1,964	2	82
18 to 19 years .....	3,829	2,263	59.1	1,852	411	18.2	1,566	364	1,030	4	169
20 to 24 years .....	10,803	7,412	69.9	6,559	854	11.5	3,191	1,879	991	23	298
25 to 54 years .....	47,306	32,499	68.7	30,806	1,893	5.8	14,806	12,971	552	279	1,005
25 to 34 years .....	20,358	14,234	69.9	13,246	988	6.9	6,124	5,344	358	64	359
25 to 29 years .....	10,630	7,507	70.6	6,939	568	7.8	3,123	2,667	237	24	195
30 to 34 years .....	9,728	6,727	69.1	6,307	420	6.2	3,001	2,877	120	40	164
35 to 44 years .....	15,453	10,944	70.8	10,404	540	4.9	4,508	3,980	140	69	319
35 to 39 years .....	8,542	6,078	71.1	5,759	318	5.2	2,464	2,181	103	22	159
40 to 44 years .....	6,911	4,867	70.4	4,645	222	4.6	2,044	1,800	37	47	160
45 to 54 years .....	11,495	7,321	63.7	6,958	365	5.0	4,174	3,647	54	146	327
45 to 49 years .....	5,811	3,830	85.9	3,626	204	5.3	1,981	1,701	37	69	175
50 to 54 years .....	5,684	3,491	61.4	3,330	160	4.6	2,193	1,946	17	78	152
55 to 64 years .....	11,788	5,003	42.5	4,802	201	4.0	6,765	5,535	22	245	963
55 to 59 years .....	5,977	3,002	50.2	2,866	136	4.5	2,976	2,489	15	122	350
60 to 64 years .....	5,791	2,002	34.6	1,936	65	3.3	3,789	3,046	7	123	613
65 years and over .....	15,594	1,173	7.5	1,131	42	3.6	14,421	10,000	9	660	3,752
65 to 69 years .....	4,968	898	14.0	871	27	3.8	4,270	3,120	4	113	1,033
70 years and over .....	10,626	475	4.5	459	15	3.2	10,151	6,880	5	548	2,719

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-4. Employment status of the civilian noninstitutional population by age, sex, and race—Continued**

(Numbers in thousands)

Age, sex, and race	May 1984										
	Civilian noninstitutional population	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					
<b>WHITE</b>											
16 years and over .....	152,229	98,404	64.6	92,287	6,117	6.2	53,825	27,877	7,081	2,349	16,738
16 to 19 years .....	12,165	6,759	55.6	5,686	1,074	15.9	5,406	384	4,661	18	343
16 to 17 years .....	5,922	2,635	44.5	2,173	482	17.5	3,287	99	3,053	3	132
18 to 19 years .....	6,243	4,124	66.1	3,513	611	14.8	2,118	284	1,608	15	211
20 to 24 years .....	17,352	13,725	79.1	12,428	1,297	9.4	3,627	1,481	1,586	47	503
25 to 54 years .....	79,225	64,441	81.3	81,248	3,196	5.0	14,783	11,381	761	895	1,944
25 to 34 years .....	33,874	27,855	82.2	26,290	1,564	5.6	6,019	4,614	554	181	671
25 to 29 years .....	17,689	14,568	82.4	13,689	880	8.0	3,121	2,283	391	69	377
30 to 34 years .....	16,184	13,286	82.1	12,802	684	5.1	2,898	2,330	162	111	295
35 to 44 years .....	26,012	21,637	83.2	20,646	991	4.6	4,375	3,518	147	189	521
35 to 39 years .....	14,348	11,945	83.3	11,351	593	7.3	2,405	1,948	101	98	269
40 to 44 years .....	11,664	9,893	83.1	9,295	398	4.1	1,971	1,581	46	91	253
45 to 54 years .....	19,337	14,949	77.3	14,309	640	4.3	4,388	3,249	61	326	752
45 to 49 years .....	9,759	7,780	79.7	7,415	365	4.7	1,979	1,510	40	122	316
50 to 54 years .....	9,579	7,170	74.9	6,894	278	5.1	2,409	1,769	22	204	437
55 to 64 years .....	19,633	10,799	55.0	10,339	460	4.3	8,834	5,055	27	633	3,119
55 to 59 years .....	10,031	8,516	65.0	8,221	294	4.5	3,515	2,247	19	317	932
60 to 64 years .....	9,602	4,283	44.6	4,118	166	3.9	5,319	2,808	8	316	2,188
65 years and over .....	23,855	2,679	11.2	2,588	91	3.4	21,176	9,376	16	955	10,828
65 to 69 years .....	8,105	1,524	18.8	1,468	56	3.7	8,581	2,908	8	196	3,470
70 years and over .....	15,750	1,156	7.3	1,120	35	3.0	14,595	6,468	9	759	7,358
<b>Men</b>											
16 years and over .....	72,698	55,877	76.9	52,481	3,396	6.1	18,822	421	3,840	1,396	11,365
16 to 19 years .....	6,136	3,538	57.7	2,992	546	15.4	2,599	11	2,406	14	167
16 to 17 years .....	3,023	1,380	45.7	1,144	236	17.1	1,643	3	1,566	3	71
18 to 19 years .....	3,113	2,157	69.3	1,848	309	14.3	955	8	840	11	96
20 to 24 years .....	8,535	7,351	86.1	6,660	691	9.4	1,183	15	859	32	277
25 to 54 years .....	39,041	36,949	94.6	35,131	1,818	4.9	2,092	103	360	498	1,130
25 to 34 years .....	16,820	15,961	94.9	15,056	905	5.7	858	54	302	129	373
25 to 29 years .....	8,801	8,267	93.9	7,765	502	6.1	534	29	231	48	226
30 to 34 years .....	8,018	7,694	96.0	7,291	403	5.2	324	25	70	81	148
35 to 44 years .....	12,802	12,320	96.2	11,770	550	4.5	482	27	39	140	276
35 to 39 years .....	7,065	6,794	96.2	6,455	339	5.0	272	17	24	77	153
40 to 44 years .....	5,737	5,527	96.3	5,316	211	3.8	210	9	15	62	124
45 to 54 years .....	9,419	8,668	92.0	8,305	363	4.2	752	22	19	230	480
45 to 49 years .....	4,781	4,522	94.6	4,313	209	4.6	259	9	13	72	186
50 to 54 years .....	4,638	4,146	89.4	3,992	154	3.7	492	14	7	157	315
55 to 64 years .....	9,239	6,424	69.5	6,136	288	4.5	2,815	74	8	441	2,292
55 to 59 years .....	4,779	3,888	81.3	3,711	177	4.6	891	28	6	221	637
60 to 64 years .....	4,459	2,538	56.9	2,425	110	4.4	1,923	46	1	221	1,655
65 years and over .....	9,749	1,615	16.6	1,562	53	3.3	8,133	218	7	410	7,498
65 to 69 years .....	3,632	887	24.4	857	30	3.4	2,745	61	2	110	2,572
70 years and over .....	6,117	729	11.9	705	23	3.2	5,388	157	5	300	4,926
<b>Women</b>											
16 years and over .....	79,530	42,527	53.5	39,806	2,721	6.4	37,003	27,255	3,421	953	5,374
16 to 19 years .....	6,028	3,221	53.4	2,694	528	16.4	2,807	373	2,255	3	176
16 to 17 years .....	2,898	1,254	43.3	1,029	226	18.0	1,644	96	1,487	-	61
18 to 19 years .....	3,130	1,967	62.8	1,665	302	15.4	1,163	277	768	3	115
20 to 24 years .....	8,817	6,373	72.3	5,768	605	9.5	2,444	1,466	737	15	226
25 to 54 years .....	40,184	27,492	68.4	26,115	1,378	5.0	12,691	11,278	401	197	814
25 to 34 years .....	17,055	11,894	69.7	11,235	659	5.5	5,161	4,559	252	51	298
25 to 29 years .....	8,888	6,301	70.9	5,924	378	8.0	2,587	2,254	160	21	151
30 to 34 years .....	8,166	5,592	68.5	5,311	281	5.0	2,574	2,305	92	30	147
35 to 44 years .....	13,211	9,317	70.5	8,876	441	4.7	3,884	3,492	108	50	245
35 to 39 years .....	7,283	5,151	70.7	4,896	254	4.9	2,133	1,919	77	21	116
40 to 44 years .....	5,927	4,168	70.3	3,979	187	4.5	1,761	1,573	31	29	129
45 to 54 years .....	9,918	6,282	63.3	6,004	278	4.4	3,836	3,226	42	96	272
45 to 49 years .....	4,978	3,258	65.5	3,102	156	4.8	1,720	1,493	27	50	150
50 to 54 years .....	4,941	3,024	61.2	2,902	122	4.0	1,917	1,733	15	47	122
55 to 64 years .....	10,395	4,378	42.1	4,204	172	3.9	6,019	4,981	19	192	827
55 to 59 years .....	5,251	2,628	50.0	2,511	117	4.5	2,624	2,219	13	97	295
60 to 64 years .....	5,143	1,748	34.0	1,693	55	3.2	3,395	2,762	6	95	532
65 years and over .....	14,107	1,064	7.5	1,026	38	3.5	13,042	9,158	9	545	3,330
65 to 69 years .....	4,473	637	14.3	611	26	4.1	3,836	2,847	4	86	898
70 years and over .....	9,633	427	4.4	415	12	2.7	9,207	6,311	4	459	2,432

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-4. Employment status of the civilian noninstitutional population by age, sex, and race—Continued**

(Numbers in thousands)

Age, sex, and race	May 1984										
	Civilian noninstitutional population	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						
<b>BLACK</b>											
16 years and over .....	19,302	11,896	61.6	10,060	1,835	15.4	7,408	3,012	1,669	527	2,198
16 to 19 years .....	2,168	726	33.5	419	307	42.3	1,442	109	1,186	2	144
16 to 17 years .....	1,057	218	20.6	104	114	52.2	839	31	767	1	41
18 to 19 years .....	1,111	508	45.7	315	193	38.0	603	79	419	1	104
20 to 24 years .....	2,781	1,892	88.0	1,416	475	25.1	889	366	329	8	186
25 to 54 years .....	10,203	8,056	79.0	7,068	989	12.3	2,147	1,303	151	210	484
25 to 34 years .....	4,771	3,826	80.2	3,237	589	15.4	946	590	112	37	207
25 to 29 years .....	2,557	2,008	78.5	1,658	350	17.4	549	333	82	14	112
30 to 34 years .....	2,214	1,817	82.1	1,579	239	13.2	396	257	21	23	95
35 to 44 years .....	3,147	2,537	80.6	2,296	241	9.5	810	382	30	54	145
35 to 39 years .....	1,746	1,417	81.2	1,253	165	11.6	329	202	24	19	84
40 to 44 years .....	1,400	1,120	80.0	1,043	78	8.8	282	180	6	35	61
45 to 54 years .....	2,285	1,693	74.1	1,535	158	9.3	591	331	9	119	132
45 to 49 years .....	1,188	922	77.6	836	86	9.3	266	151	7	50	59
50 to 54 years .....	1,096	771	70.3	700	71	9.2	325	181	2	69	73
55 to 64 years .....	1,976	991	50.2	943	48	4.8	985	465	2	136	381
55 to 59 years .....	1,046	618	59.0	595	22	3.6	428	215	2	89	142
60 to 64 years .....	930	373	40.2	348	25	6.8	556	250	-	67	239
65 years and over .....	2,175	231	10.6	213	17	7.5	1,944	769	1	171	1,003
65 to 69 years .....	734	127	17.3	122	5	3.9	607	234	-	42	333
70 years and over .....	1,441	105	7.3	92	13	12.4	1,336	534	1	130	671
<b>Men</b>											
16 years and over .....	8,632	6,083	70.5	5,123	959	15.8	2,548	88	780	285	1,417
16 to 19 years .....	1,059	416	39.4	251	185	39.6	642	2	567	-	72
16 to 17 years .....	525	143	27.2	75	68	47.5	382	3	359	-	21
18 to 19 years .....	534	274	51.3	177	97	35.5	280	-	207	-	52
20 to 24 years .....	1,290	1,016	78.8	771	245	24.1	274	3	145	-	126
25 to 54 years .....	4,569	4,035	88.3	3,524	510	12.6	534	31	48	136	321
25 to 34 years .....	2,155	1,919	89.0	1,634	285	14.8	236	16	40	25	156
25 to 29 years .....	1,160	1,026	88.4	852	174	16.9	134	15	32	12	76
30 to 34 years .....	995	893	89.8	782	111	12.4	102	-	8	13	80
35 to 44 years .....	1,402	1,269	90.8	1,122	148	11.6	132	12	7	38	77
35 to 39 years .....	780	704	90.3	602	102	14.5	76	7	7	18	44
40 to 44 years .....	821	565	68.5	519	45	8.0	57	4	-	20	33
45 to 54 years .....	1,012	846	83.7	769	77	9.1	165	3	1	73	88
45 to 49 years .....	528	456	86.3	415	41	9.0	72	-	1	34	38
50 to 54 years .....	483	390	80.8	354	36	9.3	93	4	-	39	50
55 to 64 years .....	858	483	56.4	456	27	5.6	374	25	-	87	262
55 to 59 years .....	454	311	68.5	300	11	3.5	143	3	-	47	93
60 to 64 years .....	404	172	42.7	156	16	9.3	232	22	-	41	169
65 years and over .....	858	132	15.4	119	13	9.9	725	27	1	62	636
65 to 69 years .....	307	75	24.3	71	4	5.4	232	5	-	18	210
70 years and over .....	551	58	10.5	49	9	( <sup>1</sup> )	493	22	1	44	426
<b>Women</b>											
16 years and over .....	10,670	5,813	54.5	4,937	876	15.1	4,858	2,924	910	243	781
16 to 19 years .....	1,109	309	27.9	168	142	45.8	800	107	819	2	72
16 to 17 years .....	532	75	14.1	29	46	61.0	457	28	408	1	20
18 to 19 years .....	577	234	40.6	138	96	40.9	343	79	212	1	52
20 to 24 years .....	1,491	876	58.7	645	231	26.3	615	383	184	8	60
25 to 54 years .....	5,634	4,021	71.4	3,544	479	11.9	1,613	1,272	103	74	183
25 to 34 years .....	2,616	1,907	72.9	1,603	304	15.9	709	574	72	12	51
25 to 29 years .....	1,397	982	70.3	806	176	18.0	415	318	60	2	36
30 to 34 years .....	1,219	924	75.8	797	128	13.8	294	257	13	10	15
35 to 44 years .....	1,745	1,268	72.7	1,174	94	7.4	477	370	23	16	68
35 to 39 years .....	966	713	73.9	651	63	8.8	253	195	17	1	40
40 to 44 years .....	779	555	71.2	524	31	5.5	225	176	6	15	28
45 to 54 years .....	1,273	847	66.5	766	81	9.5	427	328	8	46	44
45 to 49 years .....	660	466	70.6	421	45	9.7	194	151	6	16	21
50 to 54 years .....	613	381	62.1	346	35	9.3	232	177	2	30	23
55 to 64 years .....	1,118	508	45.4	487	21	4.1	611	440	3	49	119
55 to 59 years .....	592	307	51.8	295	11	3.7	286	212	2	23	49
60 to 64 years .....	526	201	38.2	191	9	4.7	325	228	-	26	70
65 years and over .....	1,317	98	7.5	94	4	4.4	1,218	742	-	109	367
65 to 69 years .....	427	52	12.1	51	1	( <sup>1</sup> )	375	229	-	24	123
70 years and over .....	890	47	5.2	43	4	( <sup>1</sup> )	843	512	-	86	245

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-5. Employment status of the black-and-other civilian noninstitutional population by age and sex**

(Numbers in thousands)

Age and sex	May 1984								Not in labor force
	Civilian noninstitutional population	Civilian labor force							
		Total	Percent of population	Employed			Unemployed		
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>TOTAL</b>									
16 years and over .....	23,894	14,847	62.1	12,809	306	12,504	2,038	13.7	9,046
16 to 19 years .....	2,614	891	34.1	553	23	530	338	37.9	1,722
16 to 17 years .....	1,275	281	22.0	156	6	150	125	44.6	994
18 to 19 years .....	1,338	610	45.6	397	17	380	213	34.9	728
20 to 24 years .....	3,360	2,259	66.8	1,739	31	1,708	520	23.0	1,121
25 to 54 years .....	12,988	10,191	78.5	9,092	203	8,889	1,100	10.8	2,797
25 to 34 years .....	6,032	4,743	78.6	4,091	80	4,011	652	13.7	1,289
25 to 29 years .....	3,173	2,453	77.3	2,064	29	2,035	389	15.9	719
30 to 34 years .....	2,860	1,229	43.0	2,027	52	1,976	262	21.3	569
35 to 44 years .....	4,081	3,306	81.0	3,042	73	2,968	264	8.0	775
35 to 39 years .....	2,298	1,874	81.5	1,698	39	1,657	178	9.5	424
40 to 44 years .....	1,783	1,432	80.3	1,346	35	1,311	87	6.1	351
45 to 54 years .....	2,875	2,143	74.5	1,959	50	1,910	183	8.6	733
45 to 49 years .....	1,519	1,168	76.9	1,069	29	1,041	99	8.5	351
50 to 54 years .....	1,356	975	71.9	890	21	868	84	8.6	381
55 to 84 years .....	2,419	1,237	51.1	1,176	41	1,135	61	5.0	1,182
55 to 59 years .....	1,270	749	59.0	716	13	703	33	4.4	521
60 to 64 years .....	1,149	468	42.5	460	28	432	28	5.8	661
65 years and over .....	2,493	268	10.8	249	8	241	19	7.0	2,225
65 to 69 years .....	856	148	17.3	144	2	142	5	3.4	707
70 years and over .....	1,638	120	7.3	106	6	100	22	18.3	1,518
<b>Men</b>									
16 years and over .....	10,761	7,657	71.0	6,580	254	6,327	1,077	14.1	3,124
16 to 19 years .....	1,270	483	38.1	309	20	289	174	36.1	767
16 to 17 years .....	631	169	26.8	99	3	96	71	41.7	462
18 to 19 years .....	639	314	49.1	210	17	193	104	33.0	325
20 to 24 years .....	1,595	1,220	76.5	948	21	926	272	22.3	374
25 to 54 years .....	5,865	5,184	88.4	4,601	170	4,431	584	11.3	681
25 to 34 years .....	2,728	2,403	88.1	2,080	71	2,010	322	13.4	325
25 to 29 years .....	1,431	1,247	87.2	1,048	25	1,023	199	16.0	183
30 to 34 years .....	1,298	1,156	89.1	1,032	46	986	123	10.7	142
35 to 44 years .....	1,839	1,678	91.3	1,513	61	1,452	165	9.8	161
35 to 39 years .....	1,039	947	91.1	833	31	803	114	12.0	92
40 to 44 years .....	800	731	91.5	680	31	649	52	7.0	68
45 to 54 years .....	1,298	1,104	85.0	1,007	38	969	96	8.7	195
45 to 49 years .....	686	596	86.8	546	22	524	50	6.4	90
50 to 54 years .....	812	508	62.6	461	16	445	46	9.1	104
55 to 64 years .....	1,046	609	58.3	577	36	541	32	5.3	438
55 to 59 years .....	544	375	68.9	381	11	350	14	3.7	169
60 to 64 years .....	502	235	46.7	216	25	191	18	7.8	267
65 years and over .....	1,005	160	15.9	145	6	137	14	9.0	848
65 to 69 years .....	361	68	24.3	84	2	82	4	4.6	273
70 years and over .....	645	72	11.2	62	6	56	10	( <sup>1</sup> )	573
<b>Women</b>									
16 years and over .....	13,114	7,190	54.8	6,229	52	6,177	961	13.4	5,924
16 to 19 years .....	1,344	408	30.4	244	3	241	184	40.2	936
16 to 17 years .....	645	112	17.3	57	3	54	55	49.0	533
18 to 19 years .....	699	296	42.3	187	-	187	109	36.6	403
20 to 24 years .....	1,788	1,039	58.2	791	10	780	248	23.9	747
25 to 54 years .....	7,123	5,007	70.3	4,491	33	4,458	516	10.3	2,116
25 to 34 years .....	3,304	2,341	70.8	2,011	9	2,002	330	14.1	963
25 to 29 years .....	1,742	1,206	69.2	1,018	4	1,012	190	15.8	536
30 to 34 years .....	1,562	1,135	72.7	995	6	990	139	12.3	427
35 to 44 years .....	2,242	1,627	72.6	1,529	12	1,516	99	6.1	615
35 to 39 years .....	1,259	927	73.8	863	6	854	64	6.9	332
40 to 44 years .....	983	701	71.2	666	4	662	35	5.0	283
45 to 54 years .....	1,577	1,039	65.9	952	12	940	87	8.4	536
45 to 49 years .....	833	572	68.6	523	7	517	49	6.5	261
50 to 54 years .....	744	467	62.6	429	5	423	38	8.2	277
55 to 84 years .....	1,374	628	45.7	599	5	594	29	4.6	746
55 to 59 years .....	726	374	51.5	355	2	352	19	5.1	352
60 to 64 years .....	648	254	39.2	244	2	241	10	3.9	394
65 years and over .....	1,487	108	7.3	104	-	104	4	4.0	1,379
65 to 69 years .....	495	60	12.2	60	-	60	1	( <sup>1</sup> )	434
70 years and over .....	993	48	4.8	44	-	44	4	( <sup>1</sup> )	945

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status and race	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years	
	May 1983	May 1984	May 1983	May 1984	May 1983	May 1984	May 1983	May 1984
<b>TOTAL</b>								
Civilian noninstitutional population .....	173,953	176,123	74,712	76,073	83,899	85,272	15,342	14,778
Civilian labor force .....	110,308	113,251	58,458	59,513	44,161	46,087	7,690	7,650
Percent of population .....	63.4	64.3	78.2	78.2	52.6	54.0	50.1	51.8
Employed .....	99,543	105,096	53,021	55,760	40,574	43,097	5,948	6,238
Agriculture .....	3,511	3,529	2,514	2,527	647	652	351	350
Nonagricultural industries .....	96,032	101,567	50,508	53,234	39,927	42,445	5,597	5,889
Unemployed .....	10,765	8,154	5,437	3,753	3,587	2,990	1,742	1,412
Unemployment rate .....	9.8	7.2	9.3	6.3	8.1	6.5	22.7	18.5
Not in labor force .....	63,644	62,873	16,254	16,560	39,738	39,184	7,652	7,128
<b>White</b>								
Civilian noninstitutional population .....	150,671	152,229	65,521	66,562	72,451	73,502	12,699	12,165
Civilian labor force .....	96,010	98,404	51,531	52,339	37,671	39,306	6,808	6,759
Percent of population .....	63.7	64.6	78.6	78.6	52.0	53.5	53.6	55.6
Employed .....	87,814	92,287	47,291	49,489	35,066	37,113	5,457	5,686
Agriculture .....	3,261	3,223	2,330	2,293	595	604	335	327
Nonagricultural industries .....	84,553	89,064	44,961	47,196	34,471	36,509	5,122	5,359
Unemployed .....	8,195	6,117	4,240	2,850	2,605	2,193	1,350	1,074
Unemployment rate .....	8.5	6.2	8.2	5.4	6.9	5.6	19.8	15.9
Not in labor force .....	54,661	53,825	13,990	14,223	34,780	34,196	5,891	5,406
<b>Black</b>								
Civilian noninstitutional population .....	18,880	19,302	7,336	7,573	9,311	9,561	2,233	2,168
Civilian labor force .....	11,526	11,896	5,496	5,666	5,281	5,504	749	726
Percent of population .....	61.0	61.6	74.9	74.8	56.7	57.6	33.5	33.5
Employed .....	9,234	10,060	4,436	4,872	4,400	4,769	398	419
Agriculture .....	202	213	146	153	42	38	13	22
Nonagricultural industries .....	9,032	9,847	4,290	4,718	4,358	4,732	385	397
Unemployed .....	2,292	1,835	1,060	795	881	734	351	307
Unemployment rate .....	19.9	15.4	19.3	14.0	16.7	13.3	46.9	42.3
Not in labor force .....	7,354	7,406	1,839	1,907	4,031	4,058	1,484	1,442

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-7. Employment status of the civilian noninstitutional population 16 to 21 years of age by major activity, sex, and race**

(Numbers in thousands)

Employment status and major activity	May 1984								
	Total			White			Black		
	Both sexes	Men	Women	Both sexes	Men	Women	Both sexes	Men	Women
<b>TOTAL</b>									
Civilian noninstitutional population .....	22,803	11,326	11,477	18,849	9,423	9,426	3,282	1,581	1,701
Civilian labor force .....	13,526	7,161	6,365	11,779	6,212	5,567	1,456	815	641
Percent of population .....	59.3	63.2	55.5	62.5	65.9	59.1	44.4	51.5	37.7
Employed .....	11,289	6,032	5,257	10,131	5,371	4,760	912	543	370
Agriculture .....	558	466	90	524	443	80	30	20	10
Nonagricultural industries .....	10,733	5,566	5,167	9,607	4,928	4,679	883	523	360
Unemployed .....	2,238	1,129	1,108	1,648	840	808	543	272	271
Looking for full-time work .....	1,574	801	772	1,127	586	541	416	204	211
Looking for part-time work .....	664	328	336	522	254	267	128	68	60
Percent of labor force .....	16.5	15.8	17.4	14.0	13.5	14.5	37.3	33.4	42.3
Not in labor force .....	9,276	4,165	5,111	7,070	3,211	3,859	1,826	766	1,060
<b>Major activity: Going to school</b>									
Civilian noninstitutional population .....	11,843	6,048	5,795	9,659	4,980	4,678	1,733	838	895
Civilian labor force .....	4,535	2,340	2,195	4,047	2,088	1,959	370	195	176
Percent of population .....	38.3	38.7	37.9	41.9	41.9	41.9	21.4	23.2	19.6
Employed .....	3,679	1,894	1,786	3,391	1,741	1,650	189	105	84
Agriculture .....	183	154	29	176	147	29	7	7	-
Nonagricultural industries .....	3,496	1,739	1,757	3,215	1,593	1,621	182	98	84
Unemployed .....	856	447	409	656	348	308	181	90	91
Looking for full-time work .....	321	157	163	237	120	117	78	33	45
Looking for part-time work .....	535	289	246	419	228	191	103	57	46
Percent of labor force .....	18.9	19.1	18.6	16.2	16.7	15.7	48.9	46.2	52.0
Not in labor force .....	7,308	3,708	3,600	5,611	2,892	2,720	1,363	644	719
<b>Major activity: Other</b>									
Civilian noninstitutional population .....	10,960	5,278	5,682	9,191	4,443	4,748	1,548	742	806
Civilian labor force .....	8,991	4,821	4,171	7,732	4,123	3,609	1,085	620	465
Percent of population .....	82.0	91.3	73.4	84.1	92.8	76.0	70.1	83.6	57.7
Employed .....	7,609	4,138	3,472	6,740	3,631	3,109	723	438	286
Agriculture .....	373	311	62	347	296	51	22	12	10
Nonagricultural industries .....	7,237	3,826	3,410	6,393	3,335	3,058	701	425	276
Unemployed .....	1,382	683	699	992	493	499	362	182	180
Looking for full-time work .....	1,253	644	609	889	466	423	338	171	166
Looking for part-time work .....	128	39	90	103	26	76	25	11	14
Percent of labor force .....	15.4	14.2	16.8	12.8	11.9	13.8	33.4	29.4	38.6
Not in labor force .....	1,969	458	1,511	1,459	319	1,139	463	122	341

**A-8. Employment status of male Vietnam-era veterans and nonveterans by age**

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	May 1983	May 1984	Total		Employed		Unemployed			
			May 1983	May 1984	May 1983	May 1984	Number		Percent of labor force	
							May 1983	May 1984	May 1983	May 1984
<b>VETERANS</b>										
Total, 25 years and over .....	7,839	7,921	7,367	7,450	6,668	7,023	699	427	9.5	5.7
25 to 39 years .....	5,911	5,548	5,661	5,335	5,084	4,993	577	342	10.2	6.4
25 to 29 years .....	702	505	653	479	562	438	91	41	13.9	8.6
30 to 34 years .....	2,207	1,783	2,106	1,698	1,874	1,583	232	115	11.0	6.8
35 to 39 years .....	3,002	3,260	2,902	3,158	2,648	2,972	254	186	8.8	5.9
40 years and over .....	1,928	2,373	1,706	2,115	1,584	2,030	122	85	7.2	4.0
<b>NONVETERANS</b>										
Total, 25 to 39 years .....	19,890	20,974	18,775	19,723	17,022	18,523	1,753	1,200	9.3	6.1
25 to 29 years .....	8,669	8,932	8,132	8,312	7,235	7,765	897	547	11.0	6.6
30 to 34 years .....	6,712	7,321	6,370	6,949	5,844	6,553	526	396	8.3	5.7
35 to 39 years .....	4,509	4,721	4,273	4,462	3,943	4,205	330	257	7.7	5.8

NOTE: Male Vietnam-era veterans are those who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces; published data

are limited to those 25 to 39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-9. Full- and part-time status of the civilian labor force by sex, age, and race**

(Numbers in thousands)

Sex, age, and race	May 1984								
	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>									
Total, 16 years and over .....	96,774	84,595	5,292	6,887	7.1	16,476	15,209	1,267	7.7
16 to 19 years .....	3,304	1,898	579	826	25.0	4,347	3,761	585	13.5
16 to 17 years .....	513	215	94	204	39.7	2,403	2,019	384	16.0
18 to 19 years .....	2,791	1,684	484	623	22.3	1,944	1,742	201	10.4
20 years and over .....	93,470	82,897	4,713	6,061	6.5	12,130	11,448	682	5.6
20 to 24 years .....	13,682	10,837	1,192	1,653	12.1	2,302	2,138	164	7.1
25 years and over .....	79,789	71,860	3,521	4,407	5.5	9,829	9,310	519	5.3
25 to 54 years .....	67,889	61,033	2,928	3,907	5.8	6,784	6,377	387	5.7
55 years and over .....	11,920	10,828	593	500	4.2	3,064	2,933	131	4.3
<b>Men, 16 years and over .....</b>	<b>58,282</b>	<b>51,841</b>	<b>2,478</b>	<b>3,963</b>	<b>6.8</b>	<b>5,252</b>	<b>4,742</b>	<b>510</b>	<b>9.7</b>
16 to 19 years .....	1,847	1,124	308	415	22.5	2,174	1,869	305	14.0
20 years and over .....	56,435	50,718	2,170	3,548	6.3	3,078	2,873	205	6.7
20 to 24 years .....	7,651	6,133	617	901	11.8	921	859	62	6.8
25 years and over .....	48,784	44,585	1,553	2,647	5.4	2,157	2,014	143	6.6
25 to 54 years .....	41,214	37,591	1,295	2,328	5.6	919	845	74	8.1
55 years and over .....	7,570	6,993	257	320	4.2	1,238	1,169	68	5.5
<b>Women, 16 years and over .....</b>	<b>38,492</b>	<b>32,754</b>	<b>2,814</b>	<b>2,925</b>	<b>7.6</b>	<b>11,225</b>	<b>10,467</b>	<b>757</b>	<b>6.7</b>
16 to 19 years .....	1,457	775	271	411	28.2	2,173	1,892	280	12.9
20 years and over .....	37,036	31,979	2,543	2,513	6.8	9,052	8,575	477	5.3
20 to 24 years .....	8,031	4,704	575	752	12.5	1,381	1,280	102	7.3
25 years and over .....	31,005	27,275	1,968	1,761	5.7	7,671	7,296	376	4.9
25 to 54 years .....	26,655	23,442	1,632	1,581	5.9	5,845	5,532	313	5.4
55 years and over .....	4,350	3,833	336	180	4.1	1,826	1,764	63	3.5
<b>White</b>									
<b>Men, 16 years and over .....</b>	<b>51,202</b>	<b>46,282</b>	<b>1,927</b>	<b>2,994</b>	<b>5.8</b>	<b>4,675</b>	<b>4,272</b>	<b>402</b>	<b>8.6</b>
16 to 19 years .....	1,589	1,033	246	310	19.5	1,948	1,712	236	12.1
20 years and over .....	49,612	45,248	1,680	2,684	5.4	2,727	2,560	166	6.1
20 to 24 years .....	6,534	5,436	452	646	9.9	818	772	46	5.6
25 years and over .....	43,079	39,813	1,229	2,038	4.7	1,910	1,788	120	6.3
25 to 54 years .....	36,155	33,395	1,005	1,757	4.9	794	732	61	7.7
55 years and over .....	6,924	6,418	224	282	4.1	1,116	1,055	59	5.3
<b>Women, 16 years and over .....</b>	<b>32,317</b>	<b>27,915</b>	<b>2,311</b>	<b>2,091</b>	<b>6.5</b>	<b>10,210</b>	<b>9,580</b>	<b>630</b>	<b>6.2</b>
16 to 19 years .....	1,240	712	228	300	24.2	1,981	1,753	228	11.5
20 years and over .....	31,077	27,203	2,083	1,791	5.8	8,229	7,827	402	4.9
20 to 24 years .....	5,153	4,140	483	531	10.3	1,220	1,146	75	6.1
25 years and over .....	25,923	23,063	1,601	1,281	4.9	7,009	6,681	327	4.7
25 to 54 years .....	22,114	19,680	1,328	1,106	5.0	5,378	5,106	272	5.1
55 years and over .....	3,809	3,383	272	155	4.1	1,631	1,575	55	3.4
<b>Black</b>									
<b>Men, 16 years and over .....</b>	<b>5,671</b>	<b>4,322</b>	<b>480</b>	<b>869</b>	<b>15.3</b>	<b>412</b>	<b>321</b>	<b>91</b>	<b>22.0</b>
16 to 19 years .....	231	69	81	101	43.5	185	121	64	34.8
20 years and over .....	5,439	4,253	418	768	14.1	227	201	26	11.7
20 to 24 years .....	956	573	150	234	24.5	60	49	11	( <sup>2</sup> )
25 years and over .....	4,483	3,680	268	534	11.9	166	152	15	9.0
25 to 54 years .....	3,960	3,224	235	500	12.6	74	65	9	( <sup>2</sup> )
55 years and over .....	523	456	33	34	6.5	92	87	6	6.5
<b>Women, 16 years and over .....</b>	<b>5,039</b>	<b>3,842</b>	<b>429</b>	<b>768</b>	<b>15.2</b>	<b>774</b>	<b>665</b>	<b>108</b>	<b>14.0</b>
16 to 19 years .....	178	43	37	98	55.1	132	88	44	33.2
20 years and over .....	4,862	3,799	392	670	13.8	642	578	64	10.0
20 to 24 years .....	754	467	81	205	27.3	122	97	25	20.6
25 years and over .....	4,108	3,332	313	450	10.9	520	481	39	7.5
25 to 54 years .....	3,669	2,969	257	444	12.1	353	319	34	9.6
55 years and over .....	439	363	56	6	1.3	167	162	5	3.0

<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> Data not shown where base is less than 75,000.



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-10. Employment status of the persons in families by family relationship**

(Numbers in thousands)

Family relationship	May 1984									
	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 <sup>1</sup> .....	93,542	64.7	86,741	6,799	7.3	51,115	25,572	8,555	2,194	14,791
Husbands .....	39,079	76.9	37,411	1,667	4.3	10,435	242	204	1,050	8,939
With employed wife .....	22,947	91.7	22,070	877	3.8	2,084	93	109	342	1,539
With unemployed wife .....	1,239	92.2	1,082	157	12.7	105	3	8	24	69
With wife not in labor force .....	14,892	64.4	14,259	633	4.3	8,246	145	87	683	7,331
Wives .....	26,375	53.3	25,031	1,344	5.1	23,139	20,230	339	286	2,284
With employed husband .....	23,152	61.9	22,070	1,082	4.7	14,259	13,122	279	84	775
With unemployed husband .....	1,034	62.0	877	157	15.2	633	585	16	8	24
With husband not in labor force .....	2,188	21.0	2,084	105	4.6	8,246	6,523	44	194	1,485
Relatives in married-couple families .....	13,679	62.4	11,844	1,835	13.4	8,237	848	5,745	289	1,354
16 to 19 years .....	5,176	52.6	4,367	809	15.6	4,665	118	4,272	11	264
20 to 24 years .....	5,612	76.2	4,919	693	12.4	1,757	126	1,318	31	283
25 years and over .....	2,891	61.4	2,558	333	11.5	1,815	604	155	247	807
Women who maintain families .....	6,150	61.0	5,577	573	9.3	3,934	3,016	140	182	595
Relatives in families maintained by women .....	5,169	57.4	4,145	1,025	19.8	3,835	871	1,751	264	948
16 to 19 years .....	1,406	45.3	1,011	396	28.1	1,698	110	1,420	7	161
20 to 24 years .....	1,638	72.5	1,293	345	21.1	621	140	282	11	188
25 years and over .....	2,125	58.4	1,841	284	13.4	1,516	621	49	246	599
Men who maintain families .....	1,704	76.5	1,549	154	9.1	523	34	28	58	403
Relatives in families maintained by men .....	1,386	57.8	1,184	201	14.5	1,012	331	348	65	266
16 to 19 years .....	233	45.6	192	41	17.6	279	19	223	-	37
20 to 24 years .....	426	71.0	359	67	15.8	174	38	94	3	39
25 years and over .....	727	56.5	633	93	12.8	559	274	31	62	192

<sup>1</sup> Excludes persons living alone or with nonrelatives, persons in married-couple families where the husband or wife is in the Armed Forces, persons in unrelated subfamilies, and those whose family status is unknown.

NOTE: Because of new estimation techniques introduced in January

1984, these data are not comparable with those for earlier years. Moreover, estimates for husbands, wives, and women who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns used in aggregating the data.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-11. Unemployed persons by marital status, race, age, and sex**

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	May 1983	May 1984	May 1983	May 1984	May 1983	May 1984	May 1983	May 1984
Total, 16 years and over .....	6,362	4,472	10.2	7.0	4,404	3,682	9.2	7.4
Married, spouse present .....	2,745	1,805	6.8	4.4	1,813	1,464	6.9	5.4
Widowed, divorced, or separated .....	775	519	13.3	8.8	910	790	9.9	8.1
Single (never married) .....	2,842	2,149	17.4	12.9	1,681	1,428	13.6	11.3
White, 16 years and over .....	4,932	3,396	8.9	6.1	3,263	2,721	8.0	6.4
Married, spouse present .....	2,288	1,518	6.3	4.1	1,499	1,236	6.4	5.1
Widowed, divorced, or separated .....	582	380	12.1	7.8	625	534	8.4	6.8
Single (never married) .....	2,062	1,498	14.8	10.7	1,139	950	11.2	9.1
Black, 16 years and over .....	1,270	959	21.5	15.8	1,022	876	18.2	15.1
Married, spouse present .....	380	232	12.8	7.8	258	190	12.1	8.6
Widowed, divorced, or separated .....	178	128	19.8	14.1	259	240	16.3	14.0
Single (never married) .....	712	600	34.9	27.1	505	446	26.7	23.6
Total, 25 years and over .....	4,004	2,789	8.0	5.5	2,625	2,137	7.1	5.5
Married, spouse present .....	2,477	1,649	6.5	4.3	1,463	1,156	6.2	4.7
Widowed, divorced, or separated .....	726	470	13.1	8.4	810	694	9.3	7.5
Single (never married) .....	800	669	12.4	10.0	352	287	7.5	5.9
White, 25 years and over .....	3,174	2,159	7.2	4.8	1,951	1,587	6.2	4.8
Married, spouse present .....	2,050	1,394	6.0	4.0	1,203	981	5.8	4.5
Widowed, divorced, or separated .....	538	337	11.8	7.3	554	458	8.0	6.2
Single (never married) .....	585	428	10.7	7.8	194	149	5.4	3.9
Black, 25 years and over .....	720	550	16.0	11.8	600	503	13.6	10.9
Married, spouse present .....	355	209	12.6	7.4	214	145	10.9	7.1
Widowed, divorced, or separated .....	173	123	19.9	13.9	236	221	15.4	13.4
Single (never married) .....	191	218	23.5	22.7	149	137	16.1	14.4

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-12. Unemployed persons by occupation and sex**

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	May 1983	May 1984	May 1983	May 1984	May 1983	May 1984	May 1983	May 1984
Total, 16 years and over .....	10,765	8,154	9.8	7.2	10.2	7.0	9.2	7.4
Managerial and professional specialty .....	809	628	3.3	2.5	2.9	2.4	3.9	2.5
Executive, administrative, and managerial .....	431	324	3.9	2.8	3.1	2.7	5.6	2.9
Professional specialty .....	379	304	2.8	2.2	2.7	2.1	3.0	2.3
Technical, sales, and administrative support .....	2,109	1,584	6.4	4.7	5.5	3.6	6.9	5.3
Technicians and related support .....	143	78	4.5	2.4	5.1	1.9	3.7	2.9
Sales occupations .....	820	697	6.6	5.3	4.6	3.5	8.8	7.2
Administrative support, including clerical .....	1,146	808	6.6	4.6	7.4	4.6	6.4	4.6
Service occupations .....	1,734	1,361	11.4	8.7	12.9	8.5	10.3	8.9
Private household .....	53	51	5.3	4.8	( <sup>1</sup> )	( <sup>1</sup> )	5.6	5.0
Protective service .....	140	104	8.1	6.3	8.0	5.1	8.6	14.8
Service, except private household and protective .....	1,541	1,206	12.3	9.4	14.7	9.6	10.9	9.2
Precision production, craft, and repair .....	1,466	1,044	11.1	7.4	11.3	7.3	8.4	9.0
Mechanics and repairers .....	323	231	7.5	5.1	7.4	5.1	10.0	3.0
Construction trades .....	720	551	15.2	10.9	15.3	10.7	7.5	19.8
Other precision production, craft, and repair .....	423	262	10.2	5.9	10.6	5.1	8.2	8.9
Operators, fabricators, and laborers .....	3,042	2,038	16.1	10.9	16.1	10.4	16.1	12.4
Machine operators, assemblers, and inspectors .....	1,539	916	16.9	10.4	16.7	8.8	17.1	12.5
Transportation and material moving occupations .....	553	424	11.5	8.7	12.0	9.0	6.0	6.1
Handlers, equipment cleaners, helpers, and laborers .....	950	697	19.0	14.1	19.5	13.9	16.0	14.9
Construction laborers .....	214	189	25.9	22.1	25.9	21.7	( <sup>1</sup> )	( <sup>1</sup> )
Other handlers, equipment cleaners, helpers, and laborers .....	737	508	17.6	12.4	18.0	12.1	15.8	14.2
Farming, forestry, and fishing .....	338	286	7.9	6.8	7.6	6.2	9.2	9.5
No previous work experience .....	1,204	1,145	-	-	-	-	-	-
16 to 19 years .....	845	759	-	-	-	-	-	-
20 to 24 years .....	237	264	-	-	-	-	-	-
25 years and over .....	123	122	-	-	-	-	-	-

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-13. Unemployed persons by industry and sex**

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	May 1983	May 1984	May 1983	May 1984	May 1983	May 1984	May 1983	May 1984
Total, 16 years and over .....	10,765	8,154	9.8	7.2	10.2	7.0	9.2	7.4
Nonagricultural private wage and salary workers .....	8,241	5,861	10.2	7.0	11.0	7.0	9.2	7.1
Mining .....	234	90	20.9	8.9	22.9	10.3	10.4	2.4
Construction .....	1,048	799	19.3	14.2	19.8	14.6	12.5	10.7
Manufacturing .....	2,582	1,498	12.0	6.9	11.5	5.8	13.0	9.0
Durable goods .....	1,642	868	12.9	6.7	12.7	6.0	13.2	8.4
Lumber and wood products .....	120	75	17.1	9.6	17.0	9.2	17.2	12.2
Furniture and fixtures .....	65	42	11.7	7.7	11.1	5.6	13.2	13.3
Stone, clay, and glass products .....	62	54	10.1	9.2	10.1	8.7	10.2	10.7
Primary metal industries .....	219	87	22.1	9.5	21.8	9.6	23.6	8.3
Fabricated metal products .....	214	137	15.4	9.5	15.0	9.8	16.8	8.8
Machinery, except electrical .....	359	130	13.0	4.7	12.9	5.0	13.5	3.7
Electrical machinery, equipment, and supplies .....	205	126	9.3	5.6	8.4	2.7	10.4	9.3
Transportation equipment .....	264	123	11.2	4.9	11.2	4.9	11.3	4.8
Automobiles .....	148	80	13.1	6.4	12.5	6.1	15.9	7.4
Other transportation equipment .....	116	43	9.4	3.5	9.8	3.7	8.0	2.7
Professional and photographic equipment .....	53	41	7.5	5.5	4.4	1.3	11.9	11.0
Other durable goods industries .....	81	53	16.4	11.4	13.8	7.4	19.2	16.5
Nondurable goods .....	940	631	10.7	7.2	9.2	5.5	12.7	9.5
Food and kindred products .....	231	193	12.8	10.5	10.8	7.9	16.5	16.1
Textile mill products .....	76	60	9.7	7.3	10.9	6.3	8.4	8.5
Apparel and other textile products .....	179	110	14.4	8.3	14.4	4.5	14.4	9.2
Paper and allied products .....	68	48	9.5	7.2	10.3	7.1	7.3	7.6
Printing and publishing .....	126	68	7.6	4.0	7.1	3.2	8.4	5.2
Chemicals and allied products .....	86	61	7.1	5.1	6.1	3.3	9.3	8.9
Rubber and miscellaneous plastics products .....	81	50	11.0	6.6	8.4	5.1	16.4	9.1
Other nondurable goods industries .....	93	41	15.2	8.3	11.4	5.9	19.8	11.1
Transportation and public utilities .....	397	318	7.1	5.4	7.5	5.9	6.1	4.1
Transportation .....	307	235	8.1	5.9	8.8	6.5	5.7	3.9
Communications and other public utilities .....	89	83	3.5	3.1	2.7	3.0	5.2	3.5
Wholesale and retail trade .....	2,022	1,617	9.9	7.7	9.3	6.5	10.5	8.9
Wholesale trade .....	314	206	7.4	5.1	6.7	5.0	9.1	5.3
Retail trade .....	1,707	1,409	10.5	8.3	10.4	7.1	10.6	9.3
Finance, insurance, and real estate .....	277	213	4.8	3.4	4.6	3.5	4.8	3.2
Service industries .....	1,681	1,324	8.2	6.2	9.3	6.1	7.5	6.2
Professional services .....	686	509	5.8	4.2	5.8	3.2	5.8	4.6
Other service industries .....	995	815	11.4	8.7	12.1	8.4	10.7	9.0
Agricultural wage and salary workers .....	244	198	12.8	10.5	12.4	9.5	14.2	14.1
Government, self-employed, and unpaid family workers .....	1,075	951	4.0	3.5	3.9	3.7	4.2	3.3
No previous work experience .....	1,204	1,145	-	-	-	-	-	-

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-14. Unemployed persons by reason for unemployment, sex, and race**

(Numbers in thousands)

Reason for unemployment	Total unemployed		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years		White		Black	
	May 1983	May 1984	May 1983	May 1984	May 1983	May 1984	May 1983	May 1984	May 1983	May 1984	May 1983	May 1984
<b>NUMBER OF UNEMPLOYED</b>												
Total unemployed .....	10,765	8,154	5,437	3,753	3,587	2,990	1,742	1,412	8,195	6,117	2,292	1,835
Job losers .....	6,441	4,119	4,301	2,587	1,806	1,325	333	206	5,025	3,204	1,369	904
On layoff .....	1,760	1,066	1,194	660	489	374	76	32	1,477	897	252	154
Other job losers .....	4,681	3,053	3,107	1,927	1,317	951	257	174	3,548	2,307	1,117	751
Job leavers .....	757	752	309	340	368	337	80	76	624	642	23	30
Reentrants .....	2,365	2,141	669	666	1,210	1,103	486	372	1,704	1,510	581	553
New entrants .....	1,203	1,142	157	159	202	225	843	758	842	760	319	349
<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
Job losers .....	59.8	50.5	79.2	69.0	50.3	44.3	19.1	14.5	61.3	52.4	59.7	49.3
On layoff .....	16.3	13.1	22.0	17.6	13.6	12.5	4.4	2.2	18.0	14.7	11.0	8.4
Other job losers .....	43.5	37.4	57.2	51.4	36.7	31.8	14.7	12.3	43.3	37.7	48.7	40.9
Job leavers .....	7.0	9.2	5.7	9.1	10.3	11.3	4.6	5.4	7.6	10.5	1.0	1.6
Reentrants .....	22.0	26.3	12.3	17.8	33.7	36.9	27.9	26.3	20.8	24.7	25.3	30.1
New entrants .....	11.2	14.0	2.9	4.2	5.6	7.5	48.4	53.7	10.3	12.4	13.9	19.0
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>												
Job losers .....	5.8	3.6	7.3	4.3	4.1	2.9	4.3	2.7	5.2	3.2	11.9	7.6
Job leavers .....	.7	.7	.5	.6	.8	.7	1.0	1.0	.7	.7	.2	.2
Reentrants .....	2.1	1.9	1.1	1.1	2.7	2.4	6.3	4.9	1.8	1.5	5.0	4.6
New entrants .....	1.1	1.0	.3	.3	.5	.5	11.0	9.9	.9	.8	2.8	2.9

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-15. Unemployed persons by reason for unemployment, sex, age, and duration of unemployment**

(Percent distribution)

Reason, sex, and age	May 1984						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over .....	8,154	100.0	37.4	24.3	38.3	16.2	22.2
Job losers .....	4,119	100.0	27.0	23.2	49.7	21.2	28.5
On layoff .....	1,066	100.0	41.5	22.9	35.7	16.3	19.4
Other job losers .....	3,053	100.0	22.0	23.4	54.6	22.9	31.7
Job leavers .....	752	100.0	42.6	31.0	26.5	9.6	16.9
Reentrants .....	2,141	100.0	49.4	23.6	27.0	11.6	15.4
New entrants .....	1,142	100.0	48.9	24.8	26.3	10.9	15.4
Men, 20 years and over .....	3,753	100.0	29.2	22.7	48.1	18.5	29.5
Job losers .....	2,587	100.0	23.7	23.0	53.3	21.0	32.3
On layoff .....	660	100.0	37.8	23.6	38.6	18.1	20.4
Other job losers .....	1,927	100.0	18.8	22.8	58.4	22.0	36.4
Job leavers .....	340	100.0	38.0	28.2	33.8	15.2	18.7
Reentrants .....	666	100.0	47.5	17.5	35.0	12.4	22.7
New entrants .....	159	100.0	24.0	28.0	48.0	11.4	36.7
Women, 20 years and over .....	2,990	100.0	41.5	23.9	34.6	16.7	18.0
Job losers .....	1,325	100.0	31.7	22.5	45.9	22.6	23.3
On layoff .....	374	100.0	45.4	21.9	32.7	14.1	18.6
Other job losers .....	951	100.0	26.3	22.7	51.0	25.9	25.1
Job leavers .....	337	100.0	44.7	31.7	23.6	5.7	18.0
Reentrants .....	1,103	100.0	49.9	25.0	25.2	13.6	11.6
New entrants .....	225	100.0	53.7	15.4	30.9	13.0	17.9
Both sexes, 16 to 19 years .....	1,412	100.0	50.5	29.2	20.3	8.8	11.5
Job losers .....	206	100.0	39.9	31.0	29.0	14.0	15.0
On layoff .....	32	100.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Other job losers .....	174	100.0	34.4	33.2	32.4	15.9	16.5
Job leavers .....	76	100.0	53.5	40.5	6.0	2.2	3.8
Reentrants .....	372	100.0	51.2	30.5	18.2	4.2	14.0
New entrants .....	758	100.0	52.7	26.9	20.4	10.2	10.2

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

**A-16. Unemployed persons by duration of unemployment**

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	May 1983	May 1984	May 1983	May 1984	May 1983	May 1984	May 1983	May 1984
Total, 16 years and over .....	10,765	8,154	100.0	100.0	9,309	6,887	100.0	100.0
Less than 5 weeks .....	3,368	3,050	31.3	37.4	2,626	2,328	28.2	33.8
5 to 14 weeks .....	2,452	1,978	22.8	24.3	2,062	1,700	22.2	24.7
5 to 10 weeks .....	1,717	1,413	15.9	17.3	1,414	1,193	15.2	17.3
11 to 14 weeks .....	735	565	6.8	6.9	647	507	7.0	7.4
15 weeks and over .....	4,946	3,127	45.9	38.3	4,622	2,860	49.7	41.5
15 to 26 weeks .....	1,979	1,318	18.4	16.2	1,808	1,178	19.4	17.1
27 weeks and over .....	2,967	1,809	27.6	22.2	2,814	1,682	30.2	24.4
27 to 51 weeks .....	1,418	743	13.2	9.1	1,323	688	14.2	10.0
52 weeks and over .....	1,548	1,066	14.4	13.1	1,491	994	16.0	14.4
Average (mean) duration, in weeks .....	21.8	19.9	-	-	23.5	21.6	-	-
Median duration, in weeks .....	12.6	9.3	-	-	14.8	10.6	-	-

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-17. Unemployed persons by sex, age, race, marital status, and duration of unemployment**

Sex, age, race, and marital status	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
								May 1983	May 1984	May 1983	May 1984
	May 1984										
Total, 16 years and over .....	8,154	3,050	1,978	1,318	1,809	19.9	9.3	31.3	37.4	45.9	38.3
16 to 19 years .....	1,412	713	412	124	163	10.8	5.0	47.7	50.5	26.7	20.3
20 to 24 years .....	1,817	747	432	292	346	17.3	8.3	36.6	41.1	38.8	35.1
25 to 34 years .....	2,216	727	545	419	526	21.7	11.0	28.2	32.8	50.5	42.6
35 to 44 years .....	1,255	393	288	227	347	24.3	12.3	24.2	31.3	54.7	45.7
45 to 54 years .....	824	298	178	128	219	24.3	10.2	20.7	36.2	57.4	42.1
55 to 64 years .....	521	133	103	113	173	27.5	17.7	18.8	25.4	58.7	54.8
65 years and over .....	110	41	20	15	34	26.5	12.1	30.2	36.9	54.3	45.1
Men, 16 years and over .....	4,472	1,417	1,092	764	1,200	23.5	12.0	25.6	31.7	52.0	43.9
16 to 19 years .....	720	321	241	68	91	11.9	6.5	44.7	44.6	31.1	22.0
20 to 24 years .....	963	365	206	177	215	19.8	10.2	29.4	37.9	44.6	40.7
25 to 34 years .....	1,228	335	315	220	357	25.9	13.8	21.2	27.3	56.4	47.0
35 to 44 years .....	715	168	150	147	251	29.8	18.3	20.7	23.5	60.4	55.6
45 to 54 years .....	459	130	109	73	147	28.0	13.7	16.4	28.4	66.3	48.0
55 to 64 years .....	320	73	63	68	116	29.2	19.3	15.8	22.8	60.0	57.6
65 years and over .....	68	25	10	10	23	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women, 16 years and over .....	3,682	1,633	885	554	609	15.7	6.8	39.5	44.4	37.1	31.6
16 to 19 years .....	692	392	171	56	73	9.6	4.4	51.2	56.7	21.7	18.6
20 to 24 years .....	854	382	226	115	131	14.5	7.1	47.4	44.7	30.0	28.8
25 to 34 years .....	988	392	230	199	168	16.6	7.8	38.8	39.6	41.6	37.1
35 to 44 years .....	540	225	139	80	97	17.0	7.3	29.2	41.6	46.5	32.7
45 to 54 years .....	365	168	70	55	72	19.6	7.2	26.9	46.0	44.6	34.8
55 to 64 years .....	201	60	40	45	57	24.8	15.3	24.9	29.7	56.0	50.5
65 years and over .....	42	15	10	5	12	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
White, 16 years and over .....	6,117	2,372	1,473	960	1,312	19.4	8.8	31.1	38.8	45.4	37.1
Men .....	3,396	1,123	808	579	886	22.8	11.4	25.4	33.1	50.9	43.1
Women .....	2,721	1,249	665	381	426	15.0	6.3	39.7	45.9	37.0	29.6
Black, 16 years and over .....	1,835	609	444	324	458	22.1	10.3	32.5	33.2	47.8	42.6
Men .....	959	263	245	165	287	26.1	12.8	26.7	27.4	56.5	47.1
Women .....	876	346	200	159	171	17.6	7.5	39.7	39.5	37.0	37.7
Men, 16 years and over:											
Married, spouse present .....	1,805	450	442	355	558	26.0	15.4	20.6	24.9	57.6	50.6
Widowed, divorced, or separated .....	519	154	125	77	164	28.1	12.6	20.1	29.6	61.5	46.3
Single (never married) .....	2,149	813	526	333	478	20.2	9.5	31.9	37.8	44.1	37.7
Women, 16 years and over:											
Married, spouse present .....	1,464	647	329	261	227	15.7	6.7	34.4	44.2	41.5	33.4
Widowed, divorced, or separated .....	790	287	201	117	185	20.7	9.7	33.0	36.4	45.0	38.2
Single (never married) .....	1,428	699	356	176	197	12.9	5.4	48.5	48.9	28.2	26.1

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-18. Unemployed persons by occupation, industry, and duration of unemployment**

Occupation and industry	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
	May 1984							May 1983	May 1984	May 1983	May 1984
<b>OCCUPATION</b>											
Managerial and professional specialty .....	628	213	165	111	140	19.6	10.1	30.3	33.9	46.6	39.9
Technical, sales, and administrative support .....	1,564	633	400	262	289	17.5	8.3	35.3	40.0	40.7	34.8
Service occupations .....	1,361	510	361	194	297	19.7	9.1	37.4	37.4	39.3	36.1
Precision production, craft, and repair .....	1,044	382	210	190	262	21.9	10.1	22.1	36.6	55.5	43.3
Operators, fabricators, and laborers .....	2,038	633	474	367	564	24.3	12.8	23.4	31.1	55.5	45.7
Farming, forestry, and fishing .....	268	105	65	52	64	16.4	10.6	37.0	36.7	35.9	40.6
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	198	77	39	46	35	15.3	9.7	38.7	38.9	32.7	41.2
Construction .....	837	280	210	173	174	19.2	10.2	23.8	33.4	53.0	41.5
Manufacturing .....	1,503	445	314	264	480	27.4	14.7	20.2	29.6	60.2	49.5
Durable goods .....	873	233	187	155	298	29.8	16.3	17.3	26.6	64.8	52.0
Nondurable goods .....	631	212	127	109	182	24.2	12.6	25.3	33.7	52.1	46.1
Transportation and public utilities .....	357	108	83	68	99	24.2	13.5	24.7	29.8	55.0	48.8
Wholesale and retail trade .....	1,629	647	427	270	265	17.5	8.4	36.6	39.7	36.5	34.1
Finance and service industries .....	1,916	743	482	277	414	16.5	6.8	36.4	38.8	40.6	36.1
Public administration .....	254	67	71	57	58	20.5	11.9	31.8	26.6	47.6	45.2
No previous work experience .....	1,145	559	285	125	176	14.8	5.4	45.4	48.8	30.7	26.3

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



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-19. Unemployed jobseekers by sex, age, race, and jobsearch methods used**

Sex, age, and race	May 1984								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over .....	8,154	6,937	23.0	4.9	75.3	33.7	17.9	4.9	1.60
16 to 19 years .....	1,412	1,355	14.2	1.0	82.9	23.5	14.2	3.7	1.39
20 to 24 years .....	1,817	1,619	24.5	4.9	74.4	34.0	15.8	4.2	1.58
25 to 34 years .....	2,216	1,849	27.1	6.1	72.5	36.9	20.5	5.4	1.68
35 to 44 years .....	1,255	1,033	27.5	7.0	76.7	37.1	19.0	4.9	1.72
45 to 54 years .....	824	598	19.2	6.4	74.1	37.5	18.1	5.0	1.60
55 to 64 years .....	521	396	23.0	5.3	66.9	36.6	21.5	9.3	1.63
65 years and over .....	110	86	18.6	-	60.5	40.7	31.4	7.0	1.58
Men, 16 years and over .....	4,472	3,712	24.9	5.1	77.3	31.1	22.3	6.0	1.67
16 to 19 years .....	720	694	16.4	1.4	81.4	23.6	18.4	3.7	1.45
20 to 24 years .....	963	848	24.5	4.8	74.4	30.2	22.6	4.5	1.61
25 to 34 years .....	1,228	971	30.2	6.4	77.9	31.6	24.7	6.6	1.77
35 to 44 years .....	715	561	31.6	7.8	81.1	34.8	20.9	5.9	1.82
45 to 54 years .....	459	331	18.1	5.4	78.9	36.3	19.3	7.6	1.66
55 to 64 years .....	320	247	24.7	5.7	65.6	35.6	27.1	13.0	1.72
65 years and over .....	68	60	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women, 16 years and over .....	3,682	3,225	20.8	4.6	73.0	36.7	13.0	3.6	1.52
16 to 19 years .....	692	661	11.8	.6	84.4	23.4	9.8	3.6	1.34
20 to 24 years .....	854	771	24.3	4.9	74.4	38.1	8.4	3.9	1.54
25 to 34 years .....	988	879	23.8	5.9	66.4	42.5	15.8	4.0	1.58
35 to 44 years .....	540	471	22.7	5.9	71.3	39.9	16.8	3.8	1.61
45 to 54 years .....	365	267	20.6	7.5	68.2	39.0	16.5	1.5	1.53
55 to 64 years .....	201	149	20.1	4.0	69.1	38.3	12.1	3.4	1.47
65 years and over .....	42	26	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
White, 16 years and over .....	6,117	5,085	21.2	4.9	74.5	35.1	18.0	5.3	1.59
Men .....	3,396	2,742	23.2	4.9	75.9	32.6	22.2	7.1	1.66
Women .....	2,721	2,343	18.8	5.0	72.8	38.1	13.1	3.3	1.51
Black, 16 years and over .....	1,835	1,673	28.8	4.7	77.3	17.2	29.2	3.2	1.60
Men .....	959	866	30.8	6.0	81.8	21.8	24.6	2.3	1.67
Women .....	876	807	26.5	3.2	72.6	12.4	34.2	4.2	1.53

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

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or waiting to begin a new 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 because many jobseekers use more than one method.

**A-20. Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used**

Sex and reason	May 1984								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over .....	8,154	6,937	23.0	4.9	75.3	33.7	17.9	4.9	1.60
Job losers <sup>1</sup> .....	4,119	3,062	29.0	5.9	77.1	36.4	22.3	5.5	1.76
Job leavers .....	752	758	20.3	5.9	70.7	40.9	16.1	3.6	1.58
Reentrants .....	2,141	1,988	19.9	4.2	72.2	31.3	13.1	4.9	1.46
New entrants .....	1,142	1,129	13.7	2.5	78.6	25.8	15.9	4.3	1.41
Men, 16 years and over .....	4,472	3,712	24.9	5.1	77.3	31.1	22.3	6.0	1.67
Job losers <sup>1</sup> .....	2,722	2,029	29.9	6.0	78.9	31.2	25.5	7.2	1.79
Job leavers .....	363	354	24.3	4.5	77.4	43.8	19.2	1.1	1.70
Reentrants .....	858	801	21.5	4.0	72.7	29.7	17.0	6.5	1.51
New entrants .....	530	527	11.0	3.4	78.4	24.3	19.9	4.0	1.41
Women, 16 years and over .....	3,682	3,225	20.8	4.6	73.0	36.7	13.0	3.6	1.52
Job losers <sup>1</sup> .....	1,397	1,033	27.3	5.6	73.9	46.6	16.0	2.0	1.71
Job leavers .....	390	404	16.8	7.2	64.9	38.4	13.4	5.9	1.47
Reentrants .....	1,283	1,188	18.9	4.4	71.8	32.3	10.7	4.0	1.42
New entrants .....	612	602	16.1	1.7	78.9	27.1	12.1	4.5	1.40

<sup>1</sup> Data on the number of jobseekers and the jobsearch methods used exclude persons on layoff.

NOTE: The jobseeker total is less than the total unemployed because it does not include persons on layoff or waiting to begin a new job within

30 days, groups for whom jobseeking information is not collected. The percent using each method will always total more than 100 because many jobseekers use more than one method.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-21. Employed civilians in agriculture and nonagricultural industries by age and sex**

(In thousands)

Industry and age	Total		Men		Women	
	May 1983	May 1984	May 1983	May 1984	May 1983	May 1984
All industries .....	99,543	105,096	56,175	59,061	43,368	46,035
16 to 19 years .....	5,948	6,238	3,154	3,301	2,794	2,938
16 to 17 years .....	2,125	2,328	1,142	1,243	982	1,086
18 to 19 years .....	3,823	3,910	2,012	2,058	1,811	1,852
20 to 24 years .....	13,310	14,187	7,027	7,608	6,283	6,559
25 to 54 years .....	66,068	70,338	37,570	39,732	28,498	30,606
25 to 34 years .....	28,678	30,382	16,156	17,136	12,522	13,246
35 to 44 years .....	21,667	23,688	12,310	13,283	9,357	10,404
45 to 54 years .....	15,723	16,268	9,105	9,312	6,618	6,956
55 to 64 years .....	11,302	11,515	6,683	6,713	4,619	4,802
55 to 59 years .....	6,859	6,937	4,055	4,071	2,804	2,866
60 to 64 years .....	4,443	4,578	2,628	2,642	1,815	1,936
65 years and over .....	2,915	2,838	1,741	1,707	1,174	1,131
Agriculture .....	3,511	3,529	2,809	2,820	702	709
16 to 19 years .....	351	350	296	293	55	57
16 to 17 years .....	166	164	138	141	28	23
18 to 19 years .....	185	185	158	152	27	33
20 to 24 years .....	473	493	376	401	96	93
25 to 54 years .....	1,902	1,934	1,463	1,482	439	453
25 to 34 years .....	867	795	708	637	159	158
35 to 44 years .....	524	658	383	489	142	169
45 to 54 years .....	511	481	373	356	138	126
55 to 64 years .....	491	470	411	395	80	75
55 to 59 years .....	257	246	211	200	46	45
60 to 64 years .....	235	224	200	194	34	30
65 years and over .....	294	282	263	250	31	32
Nonagricultural industries .....	96,032	101,567	53,366	56,241	42,665	45,326
16 to 19 years .....	5,597	5,889	2,858	3,008	2,738	2,881
16 to 17 years .....	1,958	2,164	1,004	1,102	954	1,062
18 to 19 years .....	3,639	3,725	1,854	1,906	1,784	1,819
20 to 24 years .....	12,837	13,674	6,850	7,208	6,187	6,466
25 to 54 years .....	64,166	88,404	36,107	38,250	28,059	30,154
25 to 34 years .....	27,811	29,587	15,448	16,499	12,363	13,088
35 to 44 years .....	21,143	23,030	11,927	12,795	9,216	10,235
45 to 54 years .....	15,212	15,787	8,732	8,957	6,480	6,830
55 to 64 years .....	10,811	11,045	6,272	6,318	4,539	4,727
55 to 59 years .....	6,602	6,691	3,844	3,871	2,758	2,820
60 to 64 years .....	4,209	4,354	2,428	2,447	1,780	1,907
65 years and over .....	2,621	2,556	1,478	1,457	1,143	1,099

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-22. Employed civilians by occupation, sex, and age**

(In thousands)

Occupation	Total		Men				Women			
	16 years and over		16 years and over		20 years and over		16 years and over		20 years and over	
	May 1983	May 1984	May 1983	May 1984	May 1983	May 1984	May 1983	May 1984	May 1983	May 1984
Total .....	99,543	105,096	56,175	59,061	53,021	55,760	43,368	46,035	40,574	43,097
<b>Managerial and professional specialty .....</b>	<b>23,597</b>	<b>24,999</b>	<b>13,893</b>	<b>14,466</b>	<b>13,817</b>	<b>14,406</b>	<b>9,704</b>	<b>10,533</b>	<b>9,642</b>	<b>10,441</b>
Executive, administrative, and managerial .....	10,585	11,404	7,203	7,591	7,174	7,558	3,382	3,813	3,360	3,790
Officials and administrators, public administration .....	524	514	357	306	357	304	167	208	168	208
Other executive, administrative, and managerial .....	7,171	7,681	5,103	5,440	5,079	5,409	2,068	2,240	2,054	2,221
Management-related occupations .....	2,890	3,209	1,743	1,845	1,738	1,844	1,147	1,364	1,138	1,361
Professional specialty .....	13,012	13,595	6,690	6,874	6,643	6,848	6,322	6,720	6,282	6,652
Engineers .....	1,590	1,631	1,514	1,550	1,512	1,549	76	82	76	81
Mathematical and computer scientists .....	458	498	295	322	295	322	163	176	163	177
Natural scientists .....	333	380	262	312	262	312	71	68	71	68
Health diagnosing occupations .....	778	807	680	687	680	687	98	120	98	120
Health assessment and treating occupations .....	1,908	1,976	259	270	258	270	1,648	1,706	1,647	1,700
Teachers, college and university .....	589	616	368	371	367	371	221	244	220	245
Teachers, except college and university .....	3,545	3,738	1,042	995	1,031	994	2,503	2,743	2,490	2,712
Lawyers and judges .....	670	676	563	575	562	575	107	101	107	101
Other professional specialty occupations .....	3,142	3,273	1,707	1,793	1,676	1,769	1,435	1,480	1,411	1,448
<b>Technical, sales, and administrative support .....</b>	<b>30,838</b>	<b>32,343</b>	<b>11,074</b>	<b>11,572</b>	<b>10,548</b>	<b>10,969</b>	<b>19,764</b>	<b>20,772</b>	<b>18,407</b>	<b>19,319</b>
Technicians and related support .....	3,062	3,175	1,660	1,658	1,642	1,640	1,402	1,517	1,381	1,493
Health technologists and technicians .....	1,089	1,132	175	198	174	197	915	934	902	926
Engineering and science technicians .....	1,064	1,038	865	811	858	801	198	228	193	216
Technicians, except health, engineering, and science .....	909	1,004	620	649	609	642	289	355	286	351
Sales occupations .....	11,589	12,497	6,199	6,613	5,856	6,189	5,390	5,884	4,622	5,055
Supervisors and proprietors .....	3,009	3,104	2,166	2,209	2,136	2,176	843	896	827	881
Sales representatives, finance and business services .....	1,748	2,038	1,089	1,251	1,074	1,242	659	787	637	777
Sales representatives, commodities, except retail .....	1,468	1,497	1,272	1,257	1,266	1,249	196	240	190	231
Sales workers, retail and personal services .....	5,312	5,814	1,658	1,883	1,364	1,509	3,654	3,931	2,931	3,141
Sales-related occupations .....	52	43	15	13	15	13	37	30	37	27
Administrative support, including clerical .....	16,187	16,672	3,214	3,300	3,051	3,140	12,972	13,371	12,404	12,771
Supervisors .....	668	577	326	280	326	280	342	297	340	297
Computer equipment operators .....	586	691	203	272	187	261	383	419	362	404
Secretaries, stenographers, and typists .....	4,821	4,859	84	98	78	98	4,737	4,761	4,557	4,560
Financial records processing .....	2,512	2,478	262	243	260	236	2,250	2,234	2,193	2,174
Mail and message distributing .....	785	772	546	525	525	484	239	247	228	235
Other administrative support, including clerical .....	6,814	7,295	1,793	1,883	1,675	1,781	5,021	5,412	4,725	5,101
<b>Service occupations .....</b>	<b>13,507</b>	<b>14,235</b>	<b>5,382</b>	<b>5,549</b>	<b>4,509</b>	<b>4,618</b>	<b>8,126</b>	<b>8,685</b>	<b>7,010</b>	<b>7,564</b>
Private household .....	932	1,017	29	42	22	25	904	975	708	790
Protective service .....	1,598	1,544	1,414	1,372	1,389	1,339	184	172	172	161
Service, except private household and protective .....	10,977	11,673	3,939	4,135	3,097	3,254	7,038	7,538	6,129	6,613
Food service .....	4,788	5,163	1,693	1,802	1,104	1,153	3,095	3,361	2,454	2,660
Health service .....	1,639	1,718	182	194	175	183	1,457	1,524	1,379	1,455
Cleaning and building service .....	2,677	2,799	1,651	1,735	1,468	1,558	1,026	1,063	936	1,005
Personal service .....	1,874	1,994	413	404	350	361	1,460	1,590	1,360	1,493
<b>Precision production, craft, and repair .....</b>	<b>11,744</b>	<b>12,992</b>	<b>10,839</b>	<b>11,885</b>	<b>10,590</b>	<b>11,555</b>	<b>905</b>	<b>1,107</b>	<b>895</b>	<b>1,077</b>
Mechanics and repairers .....	3,976	4,329	3,867	4,186	3,781	4,086	109	143	109	136
Construction trades .....	4,026	4,505	3,961	4,430	3,852	4,253	65	75	64	73
Other precision production, craft, and repair .....	3,741	4,158	3,010	3,269	2,956	3,217	731	889	722	868
<b>Operators, fabricators, and laborers .....</b>	<b>15,891</b>	<b>16,595</b>	<b>11,627</b>	<b>12,299</b>	<b>10,637</b>	<b>11,321</b>	<b>4,264</b>	<b>4,295</b>	<b>4,082</b>	<b>4,111</b>
Machine operators, assemblers, and inspectors .....	7,585	7,912	4,349	4,638	4,163	4,436	3,236	3,274	3,141	3,170
Manufacturing industries .....	6,416	6,714	3,596	3,868	3,466	3,721	2,820	2,846	2,752	2,758
Durable goods .....	3,391	3,662	2,228	2,564	2,154	2,470	1,163	1,098	1,144	1,077
Nondurable goods .....	3,025	3,052	1,368	1,304	1,312	1,250	1,657	1,749	1,608	1,681
Nonmanufacturing industries .....	1,169	1,198	753	770	698	715	416	428	390	412
Transportation and material moving occupations .....	4,247	4,430	3,902	4,061	3,774	3,945	346	369	339	360
Motor vehicle operators .....	3,004	3,201	2,708	2,897	2,599	2,799	296	304	289	295
Other transportation and material moving occupations .....	1,244	1,230	1,194	1,164	1,176	1,146	50	65	50	65
Handlers, equipment cleaners, helpers, and laborers .....	4,059	4,252	3,377	3,600	2,700	2,940	682	652	601	581
Construction laborers .....	611	664	600	639	544	609	11	24	11	23
Other handlers, equipment cleaners, helpers, and laborers .....	3,448	3,588	2,777	2,961	2,156	2,330	671	627	591	558
<b>Farming, forestry, and fishing .....</b>	<b>3,965</b>	<b>3,933</b>	<b>3,361</b>	<b>3,290</b>	<b>2,921</b>	<b>2,892</b>	<b>603</b>	<b>642</b>	<b>539</b>	<b>585</b>
Farm operators and managers .....	1,446	1,469	1,285	1,274	1,267	1,260	161	194	159	194
Other farming, forestry, and fishing occupations .....	2,519	2,464	2,076	2,016	1,654	1,631	443	449	380	391

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-23. Employed civilians by occupation, race, and sex**

(Percent distribution)

Occupation and race	Total		Men		Women	
	May 1983	May 1984	May 1983	May 1984	May 1983	May 1984
<b>TOTAL</b>						
Total, 16 years and over (thousands) .....	99,543	105,096	56,175	59,061	43,368	46,035
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	23.7	23.8	24.7	24.5	22.4	22.9
Executive, administrative, and managerial .....	10.6	10.9	12.8	12.9	7.8	8.3
Professional specialty .....	13.1	12.9	11.9	11.6	14.6	14.6
Technical, sales, and administrative support .....	31.0	30.8	19.7	19.6	45.6	45.1
Technicians and related support .....	3.1	3.0	3.0	2.8	3.2	3.3
Sales occupations .....	11.6	11.9	11.0	11.2	12.4	12.8
Administrative support, including clerical .....	16.3	15.9	5.7	5.6	29.9	29.0
Service occupations .....	13.6	13.5	9.6	9.4	18.7	18.9
Private household .....	.9	1.0	.1	.1	2.1	2.1
Protective service .....	1.6	1.5	2.5	2.3	.4	.4
Service, except private household and protective .....	11.0	11.1	7.0	7.0	16.2	16.4
Precision production, craft, and repair .....	11.8	12.4	19.3	20.1	2.1	2.4
Operators, fabricators, and laborers .....	16.0	15.8	20.7	20.8	9.8	9.3
Machine operators, assemblers, and inspectors .....	7.6	7.5	7.7	7.9	7.5	7.1
Transportation and material moving occupations .....	4.3	4.2	6.9	6.9	.8	.8
Handlers, equipment cleaners, helpers, and laborers .....	4.1	4.0	6.0	6.1	1.6	1.4
Farming, forestry, and fishing .....	4.0	3.7	6.0	5.6	1.4	1.4
<b>White</b>						
Total, 16 years and over (thousands) .....	87,814	92,287	50,194	52,481	37,621	39,806
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	24.5	24.7	25.7	25.5	22.9	23.7
Executive, administrative, and managerial .....	11.2	11.4	13.5	13.4	8.1	8.6
Professional specialty .....	13.3	13.4	12.2	12.0	14.8	15.1
Technical, sales, and administrative support .....	31.6	31.5	20.1	20.1	47.1	46.4
Technicians and related support .....	3.1	3.0	3.0	2.9	3.2	3.2
Sales occupations .....	12.3	12.6	11.6	11.9	13.2	13.5
Administrative support, including clerical .....	16.2	15.8	5.5	5.3	30.6	29.6
Service occupations .....	12.4	12.3	8.7	8.4	17.5	17.4
Private household .....	.7	.7	( <sup>1</sup> )	.1	1.7	1.6
Protective service .....	1.5	1.4	2.4	2.2	.4	.3
Service, except private household and protective .....	10.2	10.2	6.2	6.1	15.4	15.5
Precision production, craft, and repair .....	12.2	12.8	19.9	20.7	2.0	2.3
Operators, fabricators, and laborers .....	15.1	14.9	19.7	19.7	9.1	8.7
Machine operators, assemblers, and inspectors .....	7.2	7.1	7.5	7.6	6.7	6.5
Transportation and material moving occupations .....	4.1	4.0	6.6	6.4	.8	.8
Handlers, equipment cleaners, helpers, and laborers .....	3.8	3.8	5.5	5.6	1.6	1.4
Farming, forestry, and fishing .....	4.1	3.8	6.1	5.6	1.5	1.5
<b>Black</b>						
Total, 16 years and over (thousands) .....	9,234	10,060	4,636	5,123	4,598	4,937
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	15.4	14.3	12.7	12.5	18.0	16.2
Executive, administrative, and managerial .....	5.7	6.1	5.9	6.7	5.4	5.6
Professional specialty .....	9.7	8.2	6.8	5.8	12.6	10.6
Technical, sales, and administrative support .....	25.0	25.1	15.2	14.3	34.8	36.3
Technicians and related support .....	2.5	2.6	2.2	1.7	2.8	3.5
Sales occupations .....	5.8	5.8	5.0	4.6	6.5	7.0
Administrative support, including clerical .....	16.7	16.8	8.0	8.0	25.5	25.8
Service occupations .....	23.6	24.5	18.2	16.6	29.1	30.7
Private household .....	2.7	3.2	.2	( <sup>1</sup> )	5.3	6.4
Protective service .....	2.3	2.3	4.1	3.9	.6	.6
Service, except private household and protective .....	18.6	19.0	14.0	14.6	23.3	23.7
Precision production, craft, and repair .....	8.4	9.4	14.9	15.8	1.9	2.7
Operators, fabricators, and laborers .....	24.4	23.8	33.5	34.1	15.1	13.2
Machine operators, assemblers, and inspectors .....	11.5	10.5	10.4	10.2	12.6	10.8
Transportation and material moving occupations .....	6.2	6.8	11.5	12.5	.9	.9
Handlers, equipment cleaners, helpers, and laborers .....	6.7	6.5	11.6	11.4	1.7	1.5
Farming, forestry, and fishing .....	3.2	2.8	5.5	4.7	1.0	.9

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-24. Employed civilians by age, sex, and class of worker**

(In thousands)

Age and sex	May 1984								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self-employed workers	Unpaid family workers	Wage and salary workers	Self-employed workers	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over .....	93,419	1,300	15,982	76,136	7,815	334	1,691	1,585	253
16 to 19 years .....	5,770	285	286	5,199	85	33	262	39	49
16 to 17 years .....	2,119	200	78	1,841	29	16	105	24	35
18 to 19 years .....	3,651	85	208	3,359	57	17	157	15	14
20 to 24 years .....	13,330	156	1,240	11,934	314	30	365	99	28
25 to 34 years .....	27,573	172	4,520	22,881	1,972	41	458	299	37
35 to 44 years .....	20,770	168	4,444	16,158	2,174	86	279	335	44
45 to 54 years .....	14,160	181	3,033	10,946	1,547	81	150	288	43
55 to 64 years .....	9,801	220	2,118	7,463	1,196	48	125	313	32
55 to 59 years .....	5,982	107	1,329	4,546	681	28	64	162	20
60 to 64 years .....	3,819	113	788	2,917	515	20	61	151	12
65 years and over .....	2,016	118	342	1,556	526	14	51	211	20
Men, 16 years and over .....	50,902	226	7,583	43,093	5,281	58	1,357	1,383	79
16 to 19 years .....	2,931	90	138	2,704	51	26	213	39	42
16 to 17 years .....	1,069	65	40	964	21	12	89	24	29
18 to 19 years .....	1,862	25	97	1,740	31	13	124	15	13
20 to 24 years .....	6,999	37	535	6,427	193	16	293	90	17
25 to 34 years .....	15,213	34	2,064	13,116	1,285	-	373	258	6
35 to 44 years .....	11,334	26	2,126	9,183	1,457	3	209	278	1
45 to 54 years .....	7,907	4	1,517	6,386	1,045	5	117	237	1
55 to 64 years .....	5,441	23	1,032	4,387	872	5	105	287	3
55 to 59 years .....	3,381	8	641	2,732	489	1	52	146	2
60 to 64 years .....	2,061	15	391	1,655	382	4	52	141	1
65 years and over .....	1,076	13	171	892	377	4	48	194	8
Women, 16 years and over .....	42,517	1,074	8,400	33,043	2,534	275	333	202	174
16 to 19 years .....	2,839	196	148	2,495	34	7	49	-	8
16 to 17 years .....	1,050	136	38	877	8	4	17	-	7
18 to 19 years .....	1,789	60	111	1,619	26	3	33	-	1
20 to 24 years .....	6,331	119	705	5,507	121	14	72	9	11
25 to 34 years .....	12,360	139	2,456	9,765	687	41	86	41	31
35 to 44 years .....	9,435	142	2,318	6,975	717	83	70	57	42
45 to 54 years .....	6,252	177	1,516	4,559	503	76	33	51	41
55 to 64 years .....	4,359	197	1,085	3,077	325	44	20	26	29
55 to 59 years .....	2,601	99	688	1,814	192	28	12	16	18
60 to 64 years .....	1,758	98	398	1,262	133	16	8	10	11
65 years and over .....	940	104	171	664	149	10	3	17	12

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-25. Employed civilians by industry and occupation**

(In thousands)

Industry	May 1984												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service <sup>1</sup>		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture .....	3,529	61	64	29	21	80	-	8	26	9	47	23	3,160
Mining .....	952	159	92	49	9	121	-	22	301	23	140	36	-
Construction .....	6,594	713	135	72	50	474	-	33	3,791	95	452	757	23
Manufacturing .....	20,859	2,152	1,582	682	775	2,476	-	398	4,133	6,714	859	990	96
Durable goods .....	12,503	1,375	1,086	481	295	1,492	-	211	2,848	3,662	452	512	90
Nondurable goods .....	8,356	777	496	201	481	984	-	187	1,286	3,052	408	479	6
Transportation and public utilities .....	7,257	721	416	234	278	1,899	-	272	1,369	129	1,523	407	10
Wholesale and retail trade .....	21,656	1,760	399	74	9,030	2,075	-	4,220	1,291	248	852	1,673	33
Wholesale trade .....	4,219	485	75	35	1,624	761	-	44	261	125	479	320	10
Retail trade .....	17,437	1,275	324	39	7,406	1,314	-	4,176	1,030	124	374	1,353	23
Finance, insurance, and real estate .....	6,828	1,601	153	130	1,603	2,835	-	276	120	8	13	11	77
Services .....	32,751	3,230	10,164	1,677	701	5,337	1,017	6,938	1,756	657	484	305	483
Private households .....	1,303	5	8	11	-	14	1,017	80	1	-	3	13	151
Other service industries .....	31,448	3,226	10,156	1,666	701	5,323	-	6,858	1,755	658	481	292	332
Professional services .....	21,699	1,804	9,291	1,418	168	3,872	-	4,134	368	144	303	88	109
Public administration .....	4,671	1,006	591	228	30	1,376	-	1,050	204	28	59	49	50

<sup>1</sup> Includes protective service, not shown separately.

**A-26. Employed civilians with a job but not at work by reason, sex, and pay status**

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
	May 1983	May 1984	Total		Wage and salary workers <sup>1</sup>			
			May 1983	May 1984	Paid absences		Unpaid absences	
					May 1983	May 1984	May 1983	May 1984
Total, 16 years and over .....	3,951	3,827	3,843	3,768	1,844	1,722	1,470	1,554
Vacation .....	1,534	1,570	1,523	1,556	1,069	1,056	296	343
Illness .....	1,355	1,248	1,318	1,222	560	459	644	660
Bad weather .....	69	60	44	50	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Industrial dispute .....	33	34	33	34	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
All other reasons .....	959	914	925	906	215	206	530	551
Men, 16 years and over .....	2,033	1,978	1,955	1,932	999	985	665	662
Vacation .....	833	848	829	838	623	643	128	119
Illness .....	700	622	667	598	284	246	311	296
All other reasons <sup>3</sup> .....	500	507	459	494	93	96	226	247
Women, 16 years and over .....	1,918	1,849	1,889	1,836	845	735	805	892
Vacation .....	702	722	694	718	446	413	167	225
Illness .....	656	627	652	623	276	212	334	363
All other reasons <sup>3</sup> .....	561	499	542	496	123	110	303	304

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

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

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

NOTE: Estimates for "all other reasons" by pay status may be biased because of high response variance; data should be used with caution.

**A-27. Persons at work by hours of work and type of industry**

Hours of work	May 1984					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over .....	101,270	3,471	97,799	100.0	100.0	100.0
1 to 34 hours .....	23,961	923	23,038	23.7	26.6	23.6
1 to 4 hours .....	809	58	751	.8	1.7	.8
5 to 14 hours .....	4,533	212	4,321	4.5	6.1	4.4
15 to 29 hours .....	12,167	446	11,721	12.0	12.8	12.0
30 to 34 hours .....	6,452	207	6,245	6.4	6.0	6.4
35 hours and over .....	77,309	2,548	74,762	76.3	73.4	76.4
35 to 39 hours .....	7,152	146	7,006	7.1	4.2	7.2
40 hours .....	43,179	577	42,602	42.6	16.6	43.6
41 hours and over .....	26,978	1,825	25,154	26.6	52.6	25.7
41 to 48 hours .....	9,789	246	9,543	9.7	7.1	9.8
49 to 59 hours .....	9,686	408	9,279	9.6	11.8	9.5
60 hours and over .....	7,503	1,171	6,332	7.4	33.7	6.5
Average hours, total at work .....	38.9	47.2	38.6	-	-	-
Average hours, workers on full-time schedules .....	43.5	55.5	43.1	-	-	-

**A-28. Persons at work 1 to 34 hours by reason for working less than 35 hours, type of industry, and usual status**

(Numbers in thousands)

Reason for working less than 35 hours	May 1984					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over .....	23,961	5,949	18,011	23,038	5,729	17,308
Economic reasons .....	5,292	1,574	3,718	5,074	1,506	3,568
Slack work .....	2,133	1,247	886	2,035	1,195	840
Material shortages or repairs to plant and equipment .....	52	52	-	51	51	-
New job started during week .....	196	196	-	181	181	-
Job terminated during week .....	79	79	-	79	79	-
Could find only part-time work .....	2,832	-	2,832	2,729	-	2,729
Other reasons .....	18,669	4,376	14,293	17,964	4,224	13,740
Does not want, or unavailable for, full-time work .....	12,223	-	12,223	11,790	-	11,790
Vacation .....	1,072	1,072	-	1,067	1,067	-
Illness .....	1,530	1,395	135	1,497	1,382	115
Bad weather .....	341	341	-	258	258	-
Industrial dispute .....	9	9	-	9	9	-
Legal or religious holiday .....	51	51	-	51	51	-
Full time for this job .....	1,485	-	1,485	1,448	-	1,448
All other reasons .....	1,957	1,507	450	1,842	1,455	387
Average hours:						
Economic reasons .....	21.7	24.2	20.6	21.8	24.4	20.7
Other reasons .....	20.6	26.3	18.9	20.7	26.3	19.0
Worked 30 to 34 hours:						
Economic reasons .....	1,534	685	849	1,483	663	820
Other reasons .....	4,918	2,357	2,561	4,762	2,286	2,476

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-29. Persons at work in nonagricultural industries by class of worker and full- or part-time status**

(Numbers in thousands)

Industry	May 1984								
	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	49 hours or more		
Total, 16 years and over .....	97,799	5,074	13,740	78,985	53,831	9,543	15,611	38.6	43.1
Wage and salary workers .....	90,117	4,502	12,357	73,258	51,203	8,925	13,130	38.4	42.7
Mining .....	873	19	23	831	172	116	251	45.3	46.7
Construction .....	5,177	382	223	4,572	3,258	457	857	39.8	42.3
Manufacturing .....	19,715	576	687	18,452	12,863	2,748	2,841	41.2	42.5
Durable goods .....	11,859	222	267	11,370	7,892	1,718	1,760	41.6	42.4
Nondurable goods .....	7,856	354	419	7,083	4,972	1,031	1,080	40.6	42.6
Transportation and public utilities .....	6,592	204	339	6,049	4,083	741	1,225	41.8	43.6
Wholesale and retail trade .....	18,982	1,454	4,662	12,866	8,122	1,859	2,885	36.1	43.5
Finance, insurance, and real estate .....	6,055	126	576	5,353	3,979	541	833	39.4	41.8
Service industries .....	28,241	1,688	5,634	20,919	15,048	2,114	3,757	36.4	42.5
Private households .....	1,273	220	636	417	298	32	87	23.8	45.0
All other industries .....	26,968	1,468	4,998	20,502	14,750	2,082	3,670	37.0	42.5
Public administration .....	4,481	54	213	4,214	3,383	349	482	40.0	41.3
Self-employed workers .....	7,348	556	1,233	5,559	2,520	604	2,435	41.0	48.3
Unpaid family workers .....	334	16	151	167	107	14	46	34.1	45.4



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-30. Persons at work in nonagricultural industries by sex, age, race, marital status, and full- or part-time status**

(Numbers in thousands)

Sex, age, race, and marital status	May 1984							
	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 hours or more		
<b>TOTAL</b>								
Total, 16 years and over .....	97,799	5,074	13,740	78,985	53,831	25,154	38.6	43.1
16 to 19 years .....	5,786	543	3,503	1,740	1,375	365	23.8	40.5
16 to 17 years .....	2,123	83	1,866	174	149	25	16.6	37.2
18 to 19 years .....	3,663	460	1,637	1,566	1,226	340	28.0	40.8
20 years and over .....	92,013	4,532	10,237	77,244	52,456	24,788	39.5	43.1
20 to 24 years .....	13,208	1,138	1,973	10,097	7,520	2,577	36.7	41.7
25 years and over .....	78,805	3,392	8,264	67,149	44,937	22,212	40.0	43.4
25 to 44 years .....	50,801	2,217	4,459	44,125	29,240	14,885	40.5	43.4
45 to 64 years .....	25,627	1,076	2,630	21,921	14,877	7,044	40.1	43.4
65 years and over .....	2,377	100	1,176	1,101	819	282	28.9	42.3
<b>Men, 16 years and over</b> .....	54,309	2,330	4,123	47,856	29,238	18,618	41.6	44.5
16 to 19 years .....	2,970	282	1,697	991	732	259	25.3	41.4
16 to 17 years .....	1,083	52	930	101	81	20	17.4	38.2
18 to 19 years .....	1,887	230	767	890	652	238	29.8	41.8
20 years and over .....	51,340	2,048	2,426	46,866	28,508	18,358	42.5	44.6
20 to 24 years .....	7,004	581	796	5,627	3,828	1,799	38.6	42.9
25 years and over .....	44,336	1,467	1,629	41,240	24,680	16,560	43.2	44.8
25 to 44 years .....	28,428	963	563	26,902	15,842	11,060	43.7	44.9
45 to 64 years .....	14,556	468	466	13,622	8,333	5,289	43.3	44.8
65 years and over .....	1,353	37	602	714	503	211	31.0	43.3
<b>Women, 16 years and over</b> .....	43,490	2,745	9,617	31,128	24,593	6,535	34.9	40.9
16 to 19 years .....	2,817	261	1,806	750	645	105	22.3	39.2
16 to 17 years .....	1,041	31	935	75	71	4	15.7	35.7
18 to 19 years .....	1,776	230	870	676	574	102	26.1	39.5
20 years and over .....	40,673	2,484	7,811	30,378	23,948	6,430	35.7	40.9
20 to 24 years .....	6,204	557	1,176	4,471	3,693	778	34.6	40.1
25 years and over .....	34,469	1,928	6,634	25,907	20,257	5,650	36.0	41.0
25 to 44 years .....	22,373	1,253	3,896	17,224	13,398	3,826	36.3	41.0
45 to 64 years .....	11,072	609	2,164	8,299	6,544	1,755	36.0	41.1
65 years and over .....	1,024	64	574	386	316	70	26.2	40.5
<b>RACE</b>								
White, 16 years and over .....	85,717	4,092	12,509	69,116	45,876	23,240	38.7	43.3
Men .....	48,147	1,824	3,712	42,611	25,273	17,338	41.9	44.8
Women .....	37,570	2,267	8,796	26,507	20,604	5,903	34.7	41.0
Black, 16 years and over .....	9,526	849	898	7,779	6,345	1,434	37.3	41.1
Men .....	4,836	442	284	4,110	3,157	953	38.9	42.2
Women .....	4,690	406	614	3,670	3,190	480	35.7	39.8
<b>MARITAL STATUS</b>								
Men, 16 years and over:								
Married, spouse present .....	35,945	1,049	1,183	33,713	19,787	13,926	43.5	45.0
Widowed, divorced, or separated .....	4,998	257	237	4,504	2,729	1,775	42.2	44.6
Single (never married) .....	13,366	1,024	2,703	9,639	6,722	2,917	36.2	42.9
Women, 16 years and over:								
Married, spouse present .....	24,147	1,378	5,595	17,174	13,813	3,361	34.8	40.6
Widowed, divorced, or separated .....	8,590	562	1,080	6,948	5,232	1,716	37.6	41.6
Single (never married) .....	10,753	805	2,941	7,007	5,548	1,459	32.9	40.6

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-31. Persons at work in nonfarm occupations by sex and full- or part-time status**

(Numbers in thousands)

Occupation and sex	May 1984								
	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	49 hours or more		
<b>Total, 16 years and over</b> .....	<b>97,406</b>	<b>4,993</b>	<b>13,634</b>	<b>78,779</b>	<b>53,589</b>	<b>9,510</b>	<b>15,680</b>	<b>38.7</b>	<b>43.1</b>
<b>Managerial and professional specialty</b> .....	<b>24,176</b>	<b>442</b>	<b>2,139</b>	<b>21,596</b>	<b>12,778</b>	<b>2,528</b>	<b>6,290</b>	<b>42.2</b>	<b>44.9</b>
Executive, administrative, and managerial .....	11,048	136	485	10,427	5,699	1,271	3,457	44.5	45.9
Professional specialty .....	13,129	305	1,654	11,169	7,079	1,257	2,833	40.2	44.0
<b>Technical, sales, and administrative support</b> .....	<b>31,240</b>	<b>1,295</b>	<b>5,696</b>	<b>24,249</b>	<b>17,577</b>	<b>2,721</b>	<b>3,951</b>	<b>37.2</b>	<b>42.2</b>
Technicians and related support .....	3,046	63	320	2,663	2,000	316	346	39.1	41.8
Sales occupations .....	12,068	655	2,592	8,821	4,917	1,208	2,697	38.3	45.1
Administrative support, including clerical .....	16,128	577	2,784	12,765	10,660	1,197	908	36.0	40.3
<b>Service occupations</b> .....	<b>13,644</b>	<b>1,527</b>	<b>4,030</b>	<b>8,087</b>	<b>6,227</b>	<b>741</b>	<b>1,119</b>	<b>32.5</b>	<b>41.8</b>
Private household .....	992	154	516	321	226	27	68	24.6	45.7
Protective service .....	1,459	49	121	1,289	829	172	288	41.4	44.4
Service, except private household and protective .....	11,193	1,324	3,393	6,476	5,171	542	763	32.0	41.0
<b>Precision production, craft, and repair</b> .....	<b>12,466</b>	<b>676</b>	<b>421</b>	<b>11,368</b>	<b>7,550</b>	<b>1,655</b>	<b>2,164</b>	<b>41.2</b>	<b>43.2</b>
<b>Operators, fabricators, and laborers</b> .....	<b>15,879</b>	<b>1,053</b>	<b>1,347</b>	<b>13,479</b>	<b>9,457</b>	<b>1,865</b>	<b>2,157</b>	<b>39.5</b>	<b>42.7</b>
Machine operators, assemblers, and inspectors .....	7,621	365	343	6,913	5,112	1,073	728	39.9	41.7
Transportation and material moving occupations .....	4,173	234	310	3,630	2,101	473	1,056	42.3	45.6
Handlers, equipment cleaners, helpers, and laborers .....	4,085	454	694	2,937	2,244	320	373	35.6	41.7
<b>Men, 16 years and over</b> .....	<b>53,851</b>	<b>2,251</b>	<b>3,994</b>	<b>47,605</b>	<b>28,981</b>	<b>6,252</b>	<b>12,373</b>	<b>41.7</b>	<b>44.6</b>
<b>Managerial and professional specialty</b> .....	<b>14,026</b>	<b>181</b>	<b>589</b>	<b>13,257</b>	<b>6,921</b>	<b>1,501</b>	<b>4,835</b>	<b>45.1</b>	<b>46.5</b>
Executive, administrative, and managerial .....	7,360	79	198	7,082	3,380	860	2,843	46.4	47.4
Professional specialty .....	6,666	101	390	6,174	3,541	641	1,992	43.7	45.6
<b>Technical, sales, and administrative support</b> .....	<b>11,286</b>	<b>289</b>	<b>1,122</b>	<b>9,876</b>	<b>5,617</b>	<b>1,375</b>	<b>2,884</b>	<b>41.9</b>	<b>45.1</b>
Technicians and related support .....	1,604	21	71	1,512	1,052	192	268	41.5	43.0
Sales occupations .....	6,455	165	714	5,576	2,548	805	2,223	43.4	47.2
Administrative support, including clerical .....	3,227	103	337	2,787	2,017	378	392	39.0	42.1
<b>Service occupations</b> .....	<b>5,348</b>	<b>461</b>	<b>1,052</b>	<b>3,834</b>	<b>2,793</b>	<b>401</b>	<b>641</b>	<b>36.0</b>	<b>42.9</b>
Private household .....	41	6	26	9	10	1	-	( <sup>1</sup> )	( <sup>1</sup> )
Protective service .....	1,295	39	65	1,191	766	159	266	42.4	44.5
Service, except private household and protective .....	4,011	415	961	2,634	2,017	242	376	34.2	42.2
<b>Precision production, craft, and repair</b> .....	<b>11,416</b>	<b>600</b>	<b>326</b>	<b>10,490</b>	<b>6,881</b>	<b>1,540</b>	<b>2,069</b>	<b>41.5</b>	<b>43.3</b>
<b>Operators, fabricators, and laborers</b> .....	<b>11,775</b>	<b>721</b>	<b>905</b>	<b>10,149</b>	<b>6,770</b>	<b>1,435</b>	<b>1,944</b>	<b>40.3</b>	<b>43.5</b>
Machine operators, assemblers, and inspectors .....	4,490	154	130	4,206	2,911	725	570	41.2	42.4
Transportation and material moving occupations .....	3,826	198	191	3,438	1,966	439	1,033	43.3	45.8
Handlers, equipment cleaners, helpers, and laborers .....	3,459	370	584	2,505	1,892	272	341	35.9	42.0
<b>Women, 16 years and over</b> .....	<b>43,555</b>	<b>2,741</b>	<b>9,640</b>	<b>31,174</b>	<b>24,608</b>	<b>3,258</b>	<b>3,307</b>	<b>34.9</b>	<b>40.9</b>
<b>Managerial and professional specialty</b> .....	<b>10,150</b>	<b>261</b>	<b>1,550</b>	<b>8,339</b>	<b>5,857</b>	<b>1,028</b>	<b>1,454</b>	<b>38.1</b>	<b>42.3</b>
Executive, administrative, and managerial .....	3,687	57	286	3,344	2,319	412	613	40.7	42.8
Professional specialty .....	6,463	204	1,264	4,995	3,538	616	841	36.6	42.0
<b>Technical, sales, and administrative support</b> .....	<b>19,954</b>	<b>1,006</b>	<b>4,575</b>	<b>14,373</b>	<b>11,980</b>	<b>1,346</b>	<b>1,067</b>	<b>34.6</b>	<b>40.2</b>
Technicians and related support .....	1,441	42	249	1,151	948	124	78	36.4	40.3
Sales occupations .....	5,613	490	1,878	3,245	2,369	403	473	32.5	41.4
Administrative support, including clerical .....	12,899	474	2,447	9,977	8,643	819	515	35.3	39.8
<b>Service occupations</b> .....	<b>8,296</b>	<b>1,066</b>	<b>2,978</b>	<b>4,252</b>	<b>3,434</b>	<b>340</b>	<b>478</b>	<b>30.2</b>	<b>40.7</b>
Private household .....	950	148	490	312	217	26	69	24.9	46.0
Protective service .....	164	9	56	98	63	13	22	33.3	43.7
Service, except private household and protective .....	7,183	909	2,432	3,842	3,154	301	387	30.9	40.2
<b>Precision production, craft, and repair</b> .....	<b>1,050</b>	<b>77</b>	<b>95</b>	<b>878</b>	<b>669</b>	<b>115</b>	<b>94</b>	<b>37.8</b>	<b>41.1</b>
<b>Operators, fabricators, and laborers</b> .....	<b>4,104</b>	<b>331</b>	<b>442</b>	<b>3,331</b>	<b>2,687</b>	<b>430</b>	<b>213</b>	<b>36.9</b>	<b>40.5</b>
Machine operators, assemblers, and inspectors .....	3,131	211	213	2,707	2,201	348	159	38.2	40.5
Transportation and material moving occupations .....	348	36	119	192	134	34	23	31.7	41.0
Handlers, equipment cleaners, helpers, and laborers .....	626	84	110	432	352	48	32	33.7	40.0

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-32. Employment status of the noninstitutional population, including Armed forces stationed in the United States, by sex, seasonally adjusted**

(Numbers in thousands)

Employment status and sex	1983								1984				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>TOTAL</b>													
Noninstitutional population <sup>1</sup> .....	175,622	175,793	175,970	176,122	176,297	176,474	176,636	176,809	177,219	177,363	177,510	177,662	177,813
Labor force <sup>1</sup> .....	112,619	113,573	113,489	113,799	113,924	113,561	113,720	113,824	113,901	114,377	114,598	114,938	115,493
Percent of population <sup>2</sup> .....	64.1	64.6	64.5	64.6	64.6	64.3	64.4	64.4	64.3	64.5	64.6	64.7	65.0
Total employed <sup>1</sup> .....	101,431	102,411	102,889	103,166	103,571	103,665	104,291	104,629	104,876	105,576	105,826	106,095	106,978
Employment-population ratio <sup>3</sup> .....	57.8	58.3	58.5	58.6	58.7	58.7	59.0	59.2	59.2	59.5	59.6	59.7	60.2
Resident Armed Forces .....	1,669	1,668	1,664	1,682	1,695	1,695	1,685	1,688	1,686	1,684	1,686	1,693	1,690
Civilian employed .....	99,762	100,743	101,225	101,484	101,876	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288
Agriculture .....	3,374	3,479	3,499	3,449	3,308	3,240	3,257	3,356	3,271	3,395	3,281	3,393	3,389
Nonagricultural industries .....	96,388	97,264	97,726	98,035	98,568	98,730	99,349	99,585	99,918	100,496	100,859	101,009	101,899
Unemployed .....	11,188	11,162	10,600	10,633	10,353	9,896	9,429	9,195	9,026	8,801	8,772	8,843	8,514
Unemployment rate <sup>4</sup> .....	9.9	9.8	9.3	9.3	9.1	8.7	8.3	8.1	7.9	7.7	7.7	7.7	7.4
Not in labor force .....	63,003	62,220	62,481	62,323	62,373	62,913	62,916	62,985	63,318	62,986	62,912	62,724	62,320
<b>Men</b>													
Noninstitutional population <sup>1</sup> .....	83,931	84,014	84,099	84,173	84,261	84,344	84,423	84,506	84,745	84,811	84,880	84,953	85,024
Labor force <sup>1</sup> .....	64,348	64,778	64,840	64,807	64,877	64,709	64,846	64,838	64,930	65,093	65,156	65,212	65,307
Percent of population <sup>2</sup> .....	76.7	77.1	77.1	77.0	77.0	76.7	76.8	76.7	76.6	76.8	76.8	76.8	76.8
Total employed <sup>1</sup> .....	57,744	58,369	58,592	58,607	58,828	58,950	59,389	59,580	59,781	60,147	60,290	60,293	60,629
Employment-population ratio <sup>3</sup> .....	68.8	69.5	69.7	69.6	69.8	69.9	70.3	70.5	70.5	71.0	71.0	71.0	71.3
Resident Armed Forces .....	1,528	1,525	1,521	1,538	1,549	1,543	1,534	1,537	1,542	1,540	1,542	1,548	1,545
Civilian employed .....	56,216	56,844	57,071	57,069	57,279	57,407	57,855	58,043	58,239	58,607	58,748	58,745	59,084
Unemployed .....	6,604	6,409	6,248	6,200	6,049	5,759	5,457	5,258	5,149	4,946	4,867	4,919	4,678
Unemployment rate <sup>4</sup> .....	10.3	9.9	9.6	9.6	9.3	8.9	8.4	8.1	7.9	7.6	7.5	7.5	7.2
Not in labor force .....	19,583	19,236	19,259	19,366	19,384	19,635	19,577	19,668	19,815	19,718	19,724	19,741	19,717
<b>Women</b>													
Noninstitutional population <sup>1</sup> .....	91,691	91,779	91,871	91,949	92,036	92,129	92,214	92,302	92,474	92,552	92,630	92,709	92,789
Labor force <sup>1</sup> .....	48,271	48,795	48,649	48,992	49,047	48,852	48,874	48,986	48,971	49,283	49,442	49,725	50,186
Percent of population <sup>2</sup> .....	52.6	53.2	53.0	53.3	53.3	53.0	53.0	53.1	53.0	53.2	53.4	53.6	54.1
Total employed <sup>1</sup> .....	43,687	44,042	44,297	44,559	44,743	44,715	44,902	45,049	45,094	45,429	45,536	45,802	46,350
Employment-population ratio <sup>3</sup> .....	47.6	48.0	48.2	48.5	48.6	48.5	48.7	48.8	48.8	49.1	49.2	49.4	50.0
Resident Armed Forces .....	141	143	143	144	146	152	151	151	144	144	144	145	145
Civilian employed .....	43,546	43,899	44,154	44,415	44,597	44,563	44,751	44,898	44,950	45,285	45,392	45,657	46,205
Unemployed .....	4,584	4,753	4,352	4,433	4,304	4,137	3,972	3,937	3,876	3,855	3,905	3,924	3,836
Unemployment rate <sup>4</sup> .....	9.5	9.7	8.9	9.0	8.8	8.5	8.1	8.0	7.9	7.8	7.9	7.9	7.6
Not in labor force .....	43,420	42,984	43,222	42,957	42,989	43,277	43,340	43,316	43,503	43,269	43,188	42,984	42,603

<sup>1</sup> Includes members of the Armed Forces stationed in the United States.

<sup>2</sup> Labor force as a percent of the noninstitutional population.

<sup>3</sup> Total employment as a percent of the noninstitutional population.

<sup>4</sup> Unemployment as a percent of the labor force (including the resident

Armed Forces).

NOTE: The population and Armed Forces figures are not adjusted for seasonal variation. Detail for the seasonally adjusted data shown in tables A-32 through A-41 will not necessarily add to totals because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, sex, and age	1983								1984				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>TOTAL</b>													
Civilian noninstitutional population <sup>1</sup> .....	173,953	174,125	174,306	174,440	174,602	174,779	174,951	175,121	175,533	175,679	175,824	175,969	176,123
Civilian labor force .....	110,950	111,905	111,825	112,117	112,229	111,866	112,035	112,136	112,215	112,693	112,912	113,245	113,803
Percent of population .....	63.8	64.3	64.2	64.3	64.3	64.0	64.0	64.0	63.9	64.1	64.2	64.4	64.6
Employed .....	99,762	100,743	101,225	101,484	101,876	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288
Employment-population ratio <sup>2</sup> .....	57.3	57.9	58.1	58.2	58.3	58.3	58.6	58.8	58.8	59.1	59.2	59.3	59.8
Unemployed .....	11,188	11,162	10,600	10,633	10,353	9,896	9,429	9,195	9,026	8,801	8,772	8,843	6,514
Unemployment rate .....	10.1	10.0	9.5	9.5	9.2	8.8	8.4	8.2	8.0	7.8	7.8	7.8	7.5
<b>Men, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	74,712	74,814	74,927	75,012	75,115	75,216	75,327	75,433	75,692	75,786	75,880	75,973	76,073
Civilian labor force .....	58,546	58,844	58,982	58,954	59,012	58,949	59,053	59,050	59,299	59,394	59,388	59,480	59,546
Percent of population .....	78.4	78.7	78.7	78.6	78.6	78.4	78.4	78.3	78.3	78.4	78.3	78.3	78.3
Employed .....	52,963	53,492	53,765	53,804	53,947	54,140	54,457	54,658	54,999	55,266	55,368	55,385	55,685
Employment-population ratio <sup>2</sup> .....	70.9	71.5	71.8	71.7	71.8	72.0	72.3	72.5	72.7	72.9	73.0	72.9	73.2
Agriculture .....	2,440	2,497	2,521	2,475	2,431	2,376	2,336	2,374	2,356	2,409	2,364	2,453	2,451
Nonagricultural industries .....	50,523	50,995	51,244	51,329	51,516	51,764	52,121	52,284	52,643	52,857	53,004	52,932	53,234
Unemployed .....	5,583	5,352	5,217	5,150	5,065	4,809	4,596	4,392	4,300	4,128	4,020	4,095	3,861
Unemployment rate .....	9.5	9.1	8.8	8.7	8.6	8.2	7.8	7.4	7.3	7.0	6.8	6.9	8.5
Not in labor force .....	16,166	15,970	15,945	18,058	16,103	16,267	16,274	16,383	16,393	16,392	16,492	16,493	16,527
<b>Women, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	83,899	84,008	84,122	84,224	84,333	84,443	84,553	84,666	84,860	84,962	85,064	85,188	85,272
Civilian labor force .....	44,331	44,684	44,647	44,896	45,062	44,936	44,953	45,024	44,981	45,258	45,459	45,703	46,222
Percent of population .....	52.8	53.2	53.1	53.3	53.4	53.2	53.2	53.2	53.0	53.3	53.4	53.7	54.2
Employed .....	40,583	40,847	41,123	41,298	41,550	41,570	41,738	41,843	41,798	42,138	42,315	42,517	43,098
Employment-population ratio <sup>2</sup> .....	48.4	48.6	48.9	49.0	49.3	49.2	49.4	49.4	49.3	49.6	49.7	49.9	50.5
Agriculture .....	605	634	613	627	581	597	638	653	625	640	574	619	610
Nonagricultural industries .....	39,978	40,213	40,510	40,671	40,969	40,973	41,100	41,190	41,174	41,498	41,741	41,898	42,487
Unemployed .....	3,748	3,837	3,524	3,598	3,512	3,366	3,215	3,181	3,182	3,120	3,144	3,186	3,124
Unemployment rate .....	8.5	8.6	7.9	8.0	7.8	7.5	7.2	7.1	7.1	6.9	6.9	7.0	6.8
Not in labor force .....	39,568	39,324	39,475	39,328	39,271	39,507	39,600	39,642	39,879	39,704	39,605	39,465	39,050
<b>Both sexes, 16 to 19 years</b>													
Civilian noninstitutional population <sup>1</sup> .....	15,342	15,303	15,257	15,204	15,154	15,120	15,072	15,022	14,981	14,931	14,880	14,828	14,778
Civilian labor force .....	8,073	8,377	8,196	8,267	8,155	7,981	8,029	8,062	7,935	8,041	8,065	8,062	8,034
Percent of population .....	52.6	54.7	53.7	54.4	53.8	52.8	53.3	53.7	53.0	53.9	54.2	54.4	54.4
Employed .....	6,216	6,404	6,337	6,382	6,379	6,260	6,411	6,440	6,392	6,488	6,457	6,500	6,505
Employment-population ratio <sup>2</sup> .....	40.5	41.8	41.5	42.0	42.1	41.4	42.5	42.9	42.7	43.5	43.4	43.8	44.0
Agriculture .....	329	348	365	347	296	267	283	329	290	346	343	321	327
Nonagricultural industries .....	5,887	6,056	5,972	6,035	6,083	5,993	6,128	6,111	6,102	6,142	6,114	6,179	6,178
Unemployed .....	1,857	1,973	1,859	1,885	1,776	1,721	1,618	1,622	1,543	1,553	1,608	1,562	1,529
Unemployment rate .....	23.0	23.6	22.7	22.8	21.8	21.6	20.2	20.1	19.4	19.3	19.9	19.4	19.0
Not in labor force .....	7,269	6,926	7,061	6,937	6,999	7,139	7,043	6,960	7,046	6,890	6,815	6,766	6,744

<sup>1</sup> The population figures are not adjusted for seasonal variation.

population.

<sup>2</sup> Civilian employment as a percent of the civilian noninstitutional

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-34. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted**

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1983								1984				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>WHITE</b>													
Civilian noninstitutional population <sup>1</sup> .....	150,671	150,810	150,959	151,003	151,021	151,175	151,324	151,484	151,939	152,079	152,285	152,178	152,229
Civilian labor force .....	96,472	97,235	97,255	97,498	97,507	97,339	97,559	97,724	97,813	98,167	98,424	98,495	98,853
Percent of population .....	64.0	64.5	64.4	64.6	64.6	64.4	64.5	64.5	64.4	64.6	64.6	64.7	64.9
Employed .....	88,004	88,836	89,260	89,503	89,693	89,851	90,430	90,779	91,044	91,544	91,845	91,933	92,505
Employment-population ratio <sup>2</sup> .....	58.4	58.9	59.1	59.3	59.4	59.4	59.8	59.9	59.9	60.2	60.3	60.4	60.8
Unemployed .....	8,468	8,399	7,995	7,995	7,814	7,488	7,129	6,945	6,768	6,623	6,580	6,562	6,348
Unemployment rate .....	8.8	8.6	8.2	8.2	8.0	7.7	7.3	7.1	6.9	6.7	6.7	6.7	6.4
<b>Men, 20 years and over</b>													
Civilian labor force .....	51,561	51,820	51,901	51,878	51,881	51,902	52,021	52,063	52,270	52,335	52,398	52,406	52,357
Percent of population .....	78.7	79.0	79.0	78.9	79.0	78.9	78.9	78.9	78.8	78.8	78.8	78.8	78.7
Employed .....	47,231	47,704	47,891	47,886	47,908	48,128	48,414	48,589	48,964	49,149	49,343	49,329	49,440
Employment-population ratio <sup>2</sup> .....	72.1	72.7	72.9	72.9	72.9	73.1	73.5	73.6	73.8	74.0	74.2	74.2	74.3
Unemployed .....	4,330	4,116	4,010	3,992	3,973	3,774	3,607	3,474	3,306	3,186	3,055	3,077	2,917
Unemployment rate .....	8.4	7.9	7.7	7.7	7.7	7.3	6.9	6.7	6.3	6.1	5.8	5.9	5.6
<b>Women, 20 years and over</b>													
Civilian labor force .....	37,805	38,129	38,161	38,356	38,468	38,438	38,489	38,556	38,505	38,726	38,873	39,032	39,439
Percent of population .....	52.2	52.6	52.5	52.7	52.8	52.7	52.7	52.8	52.6	52.8	52.9	53.1	53.7
Employed .....	35,082	35,309	35,574	35,767	35,928	36,016	36,177	36,292	36,180	36,465	36,570	36,688	37,150
Employment-population ratio <sup>2</sup> .....	48.4	48.7	48.9	49.2	49.3	49.4	49.6	49.7	49.4	49.7	49.8	49.9	50.5
Unemployed .....	2,723	2,820	2,587	2,589	2,540	2,422	2,312	2,264	2,325	2,261	2,303	2,344	2,289
Unemployment rate .....	7.2	7.4	6.8	6.7	6.6	6.3	6.0	5.9	6.0	5.8	5.9	6.0	5.8
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	7,106	7,286	7,193	7,264	7,158	6,999	7,049	7,105	7,038	7,106	7,153	7,057	7,057
Percent of population .....	56.0	57.6	57.2	57.9	57.3	56.2	56.7	57.2	56.9	57.7	58.3	57.7	58.0
Employed .....	5,691	5,823	5,795	5,850	5,857	5,707	5,839	5,898	5,900	5,930	5,932	5,916	5,915
Employment-population ratio <sup>2</sup> .....	44.8	46.1	46.1	46.6	46.9	45.8	47.0	47.5	47.7	48.1	48.3	48.4	48.6
Unemployed .....	1,415	1,463	1,398	1,414	1,301	1,292	1,210	1,207	1,138	1,176	1,221	1,141	1,142
Unemployment rate .....	19.9	20.1	19.4	19.5	18.2	18.5	17.2	17.0	16.2	16.5	17.1	16.2	16.2
Men .....	20.4	20.4	20.3	20.7	18.9	19.8	17.6	17.5	17.8	16.4	17.3	16.6	16.8
Women .....	19.4	19.7	18.4	18.2	17.4	16.9	16.6	16.5	14.5	16.7	16.8	15.7	15.5
<b>BLACK</b>													
Civilian noninstitutional population <sup>1</sup> .....	18,880	18,911	18,942	18,966	18,994	19,026	19,057	19,086	19,196	19,222	19,248	19,274	19,302
Civilian labor force .....	11,645	11,718	11,741	11,724	11,720	11,565	11,623	11,650	11,660	11,881	11,867	11,934	12,008
Percent of population .....	61.7	62.0	62.0	61.8	61.7	60.8	61.0	61.0	60.7	61.8	61.7	61.9	62.2
Employed .....	9,277	9,339	9,443	9,408	9,504	9,449	9,563	9,582	9,707	9,958	9,896	9,923	10,105
Employment-population ratio <sup>2</sup> .....	49.1	49.4	49.9	49.6	50.0	49.7	50.2	50.2	50.6	51.8	51.4	51.5	52.4
Unemployed .....	2,368	2,379	2,298	2,316	2,216	2,116	2,060	2,068	1,953	1,923	1,972	2,011	1,903
Unemployment rate .....	20.3	20.3	19.6	19.8	18.9	18.3	17.7	17.8	16.7	16.2	16.6	16.8	15.8
<b>Men, 20 years and over</b>													
Civilian labor force .....	5,506	5,562	5,599	5,578	5,553	5,501	5,568	5,565	5,621	5,677	5,660	5,607	5,673
Percent of population .....	75.1	75.7	76.0	75.6	75.1	74.2	74.9	74.7	74.8	75.4	75.0	74.2	74.9
Employed .....	4,435	4,512	4,559	4,563	4,613	4,607	4,701	4,722	4,789	4,877	4,789	4,712	4,872
Employment-population ratio <sup>2</sup> .....	60.5	61.4	61.9	61.8	62.4	62.1	63.2	63.4	63.7	64.8	63.5	62.4	64.3
Unemployed .....	1,071	1,050	1,040	1,015	940	894	867	843	833	800	871	894	801
Unemployment rate .....	19.5	18.9	18.6	18.2	16.9	16.3	15.6	15.1	14.8	14.1	15.4	16.0	14.1
<b>Women, 20 years and over</b>													
Civilian labor force .....	5,329	5,287	5,317	5,312	5,358	5,277	5,270	5,303	5,277	5,408	5,425	5,469	5,547
Percent of population .....	57.2	56.7	56.9	56.7	57.1	56.1	55.9	56.2	55.6	56.9	57.0	57.3	58.0
Employed .....	4,424	4,391	4,458	4,440	4,495	4,438	4,448	4,461	4,522	4,630	4,690	4,737	4,793
Employment-population ratio <sup>2</sup> .....	47.5	47.1	47.7	47.4	47.9	47.2	47.2	47.3	47.7	48.7	49.2	49.6	50.1
Unemployed .....	905	896	859	872	863	839	822	842	755	777	735	731	754
Unemployment rate .....	17.0	16.9	16.2	16.4	16.1	15.9	15.6	15.9	14.3	14.4	13.5	13.4	13.6

See footnotes at end of table.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-34. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted—Continued**

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1983								1984				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>BLACK—Continued</b>													
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	810	869	825	834	809	787	785	782	762	796	783	859	787
Percent of population .....	36.3	39.0	37.1	37.6	36.6	35.6	35.6	35.6	34.7	36.4	35.9	39.5	36.3
Employed .....	418	436	426	405	396	404	414	399	397	450	417	474	440
Employment-population ratio <sup>2</sup> .....	18.7	19.6	19.1	18.3	17.9	18.3	18.8	18.2	18.1	20.6	19.1	21.8	20.3
Unemployed .....	392	433	399	429	413	383	371	383	365	346	366	385	347
Unemployment rate .....	48.4	49.8	48.4	51.4	51.1	48.7	47.3	49.0	47.9	43.5	46.7	44.8	44.1
Men .....	52.1	50.7	48.3	53.7	52.7	45.6	44.9	46.4	47.1	46.7	44.4	42.8	40.9
Women .....	44.1	48.7	48.4	48.8	49.2	52.2	50.0	51.9	48.8	39.9	49.6	47.1	48.2
<b>HISPANIC ORIGIN</b>													
Civilian noninstitutional population <sup>1</sup> .....	9,747	9,738	9,640	9,690	9,700	9,745	9,677	9,735	9,778	9,906	10,080	10,072	10,026
Civilian labor force .....	6,139	6,202	6,090	6,145	6,202	6,165	6,232	6,267	6,336	6,292	6,484	6,378	6,332
Percent of population .....	63.0	63.7	63.2	63.4	63.9	63.3	64.4	64.4	64.8	63.5	64.3	63.3	63.2
Employed .....	5,284	5,336	5,339	5,350	5,392	5,398	5,463	5,540	5,627	5,652	5,751	5,643	5,666
Employment-population ratio <sup>2</sup> .....	54.2	54.8	55.4	55.2	55.6	55.4	56.5	56.9	57.6	57.1	57.1	56.0	56.5
Unemployed .....	855	866	751	795	810	767	769	727	708	639	733	735	666
Unemployment rate .....	13.9	14.0	12.3	12.9	13.1	12.4	12.3	11.6	11.2	10.2	11.3	11.5	10.5

<sup>1</sup> The population figures are not adjusted for seasonal variation.

<sup>2</sup> Civilian employment as a percent of the civilian noninstitutional population.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**A-35. Employed civilians by selected social and economic categories, seasonally adjusted**

(In thousands)

Category	1983								1984				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>CHARACTERISTIC</b>													
Total .....	99,762	100,743	101,225	101,484	101,876	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288
Married men, spouse present .....	37,616	37,911	38,254	38,281	38,232	38,240	38,388	38,494	38,682	38,911	38,927	39,062	39,159
Married women, spouse present .....	24,304	24,416	24,618	24,905	24,921	24,953	25,057	25,140	24,947	25,212	25,239	25,457	25,722
Women who maintain families .....	4,991	5,029	5,071	5,096	5,124	5,172	5,236	5,254	5,293	5,346	5,444	5,491	5,668
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>													
<b>Agriculture:</b>													
Wage and salary workers .....	1,588	1,624	1,631	1,628	1,572	1,505	1,481	1,512	1,443	1,560	1,515	1,661	1,610
Self-employed workers .....	1,558	1,591	1,573	1,564	1,515	1,527	1,556	1,572	1,613	1,609	1,580	1,534	1,537
Unpaid family workers .....	233	252	251	240	236	227	224	265	233	232	198	207	246
<b>Nonagricultural industries:</b>													
Wage and salary workers .....	88,584	89,345	89,687	90,032	90,743	90,617	91,094	91,422	91,641	92,379	92,819	92,931	93,928
Government .....	15,530	15,514	15,593	15,671	15,560	15,578	15,585	15,481	15,535	15,822	15,813	15,784	15,761
Private industries .....	73,054	73,831	74,094	74,361	75,183	75,039	75,509	75,941	76,106	76,557	77,006	77,147	78,167
Private households .....	1,238	1,295	1,276	1,270	1,279	1,278	1,216	1,241	1,197	1,219	1,155	1,296	1,347
Other industries .....	71,816	72,536	72,818	73,091	73,904	73,761	74,293	74,700	74,909	75,339	75,851	75,851	76,820
Self-employed workers .....	7,448	7,510	7,595	7,641	7,656	7,695	7,800	7,734	7,936	7,849	7,755	7,834	7,707
Unpaid family workers .....	345	352	322	375	380	405	474	450	364	330	326	338	311
<b>PERSONS AT WORK<sup>1</sup></b>													
Nonagricultural industries .....	91,070	90,913	92,126	91,953	93,322	93,273	93,834	94,173	94,707	95,067	94,982	96,918	96,523
Full-time schedules .....	72,949	73,071	73,844	73,499	74,666	75,047	75,398	75,802	76,237	76,715	77,004	78,276	78,280
Part time for economic reasons .....	5,965	5,886	5,700	5,866	6,027	5,724	5,848	5,712	5,943	5,808	5,463	5,593	5,353
Usually work full time .....	1,748	1,777	1,781	1,742	1,771	1,617	1,719	1,672	1,771	1,611	1,472	1,530	1,549
Usually work part time .....	4,217	4,109	3,919	4,124	4,256	4,107	4,129	4,040	4,172	4,197	3,991	4,063	3,804
Part time for noneconomic reasons .....	12,156	11,956	12,582	12,588	12,629	12,502	12,588	12,659	12,527	12,545	12,515	13,049	12,889

<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**

**A-36. Employed civilians by sex and age, seasonally adjusted**

(In thousands)

Sex and age	1983								1984				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Total, 16 years and over .....	99,762	100,743	101,225	101,484	101,876	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288
16 to 24 years .....	19,715	20,211	20,215	20,170	20,217	20,085	20,338	20,377	20,401	20,628	20,616	20,639	20,873
16 to 19 years .....	6,216	6,404	6,337	6,382	6,379	6,260	6,411	6,440	6,392	6,488	6,457	6,500	6,505
16 to 17 years .....	2,288	2,315	2,283	2,331	2,320	2,257	2,332	2,355	2,321	2,342	2,376	2,379	2,493
18 to 19 years .....	3,938	4,104	4,067	4,013	4,062	4,012	4,064	4,092	4,114	4,153	4,082	4,125	4,024
20 to 24 years .....	13,499	13,807	13,878	13,788	13,838	13,825	13,927	13,937	14,008	14,140	14,159	14,139	14,368
25 years and over .....	80,034	80,528	81,020	81,363	81,668	81,892	82,268	82,551	82,765	83,294	83,493	83,729	84,440
25 to 54 years .....	65,895	66,380	66,797	67,155	67,323	67,537	67,913	68,179	68,534	68,964	69,279	69,516	70,138
55 years and over .....	14,129	14,178	14,224	14,231	14,368	14,364	14,364	14,347	14,239	14,293	14,212	14,274	14,260
Men, 16 years and over .....	56,216	56,844	57,071	57,069	57,279	57,407	57,855	58,043	58,239	58,607	58,748	58,745	59,084
16 to 24 years .....	10,347	10,689	10,606	10,566	10,634	10,569	10,789	10,770	10,700	10,864	10,965	10,947	11,084
16 to 19 years .....	3,253	3,352	3,306	3,265	3,332	3,267	3,398	3,385	3,240	3,342	3,380	3,361	3,399
16 to 17 years .....	1,196	1,219	1,200	1,206	1,217	1,165	1,223	1,224	1,222	1,223	1,256	1,220	1,297
18 to 19 years .....	2,061	2,147	2,116	2,054	2,120	2,102	2,155	2,151	2,050	2,120	2,126	2,144	2,105
20 to 24 years .....	7,094	7,337	7,300	7,301	7,302	7,302	7,391	7,385	7,460	7,523	7,586	7,586	7,686
25 years and over .....	45,881	46,168	46,430	46,511	46,666	46,834	47,073	47,266	47,531	47,745	47,777	47,798	48,044
25 to 54 years .....	37,483	37,748	37,953	38,052	38,173	38,334	38,550	38,757	39,049	39,271	39,418	39,431	39,622
55 years and over .....	8,371	8,460	8,481	8,468	8,499	8,499	8,541	8,470	8,495	8,473	8,373	8,387	8,366
Women, 16 years and over .....	43,546	43,899	44,154	44,415	44,597	44,563	44,751	44,898	44,950	45,285	45,392	45,657	46,205
16 to 24 years .....	9,368	9,522	9,609	9,604	9,583	9,516	9,549	9,607	9,700	9,763	9,651	9,692	9,789
16 to 19 years .....	2,963	3,052	3,031	3,117	3,047	2,993	3,013	3,055	3,152	3,147	3,078	3,139	3,107
16 to 17 years .....	1,092	1,096	1,083	1,125	1,103	1,092	1,109	1,131	1,099	1,119	1,120	1,159	1,196
18 to 19 years .....	1,877	1,957	1,951	1,959	1,942	1,910	1,909	1,941	2,064	2,033	1,956	1,981	1,919
20 to 24 years .....	6,405	6,470	6,578	6,487	6,536	6,523	6,536	6,552	6,548	6,617	6,573	6,553	6,682
25 years and over .....	34,153	34,360	34,590	34,852	35,002	35,058	35,195	35,285	35,234	35,549	35,716	35,931	36,396
25 to 54 years .....	28,412	28,632	28,844	29,103	29,150	29,203	29,363	29,422	29,485	29,686	29,861	30,085	30,517
55 years and over .....	5,758	5,718	5,743	5,763	5,869	5,865	5,823	5,877	5,744	5,820	5,839	5,887	5,893

**A-37. Unemployed persons by sex and age, seasonally adjusted**

(In thousands)

Sex and age	1983								1984				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Total, 16 years and over .....	11,188	11,162	10,600	10,633	10,353	9,896	9,429	9,195	9,026	8,801	8,772	8,843	8,514
16 to 24 years .....	4,330	4,322	4,096	4,197	3,994	3,899	3,692	3,564	3,537	3,410	3,467	3,522	3,402
16 to 19 years .....	1,857	1,973	1,859	1,885	1,776	1,721	1,618	1,622	1,543	1,553	1,608	1,562	1,529
16 to 17 years .....	788	798	767	767	731	712	653	700	649	663	712	683	632
18 to 19 years .....	1,066	1,176	1,071	1,107	1,046	1,020	972	947	878	881	904	876	896
20 to 24 years .....	2,473	2,349	2,237	2,312	2,218	2,178	2,074	1,942	1,994	1,857	1,859	1,960	1,873
25 years and over .....	6,898	6,871	6,486	6,424	6,370	6,002	5,728	5,659	5,474	5,405	5,279	5,301	5,132
25 to 54 years .....	6,106	5,990	5,707	5,668	5,610	5,259	5,007	4,938	4,789	4,742	4,647	4,663	4,474
55 years and over .....	798	825	798	765	785	753	741	742	700	636	643	621	659
Men, 16 years and over .....	6,604	6,409	6,248	6,200	6,049	5,759	5,457	5,258	5,149	4,946	4,867	4,919	4,678
16 to 24 years .....	2,505	2,448	2,397	2,408	2,271	2,209	2,042	1,998	1,971	1,857	1,869	1,925	1,812
16 to 19 years .....	1,021	1,057	1,031	1,050	984	950	861	866	849	818	847	824	817
16 to 17 years .....	435	429	451	423	383	374	344	372	336	337	376	378	352
18 to 19 years .....	591	635	568	619	605	579	524	501	501	469	472	448	472
20 to 24 years .....	1,484	1,391	1,366	1,358	1,287	1,259	1,181	1,132	1,122	1,039	1,022	1,101	995
25 years and over .....	4,124	3,962	3,826	3,791	3,794	3,552	3,417	3,283	3,154	3,089	2,988	2,996	2,878
25 to 54 years .....	3,602	3,465	3,337	3,311	3,315	3,074	2,935	2,799	2,743	2,686	2,569	2,604	2,480
55 years and over .....	516	492	489	482	507	482	490	481	431	396	408	382	394
Women, 16 years and over .....	4,584	4,753	4,352	4,433	4,304	4,137	3,972	3,937	3,876	3,855	3,905	3,924	3,836
16 to 24 years .....	1,825	1,874	1,699	1,789	1,723	1,690	1,650	1,566	1,566	1,552	1,598	1,597	1,591
16 to 19 years .....	836	916	828	835	792	771	757	756	694	735	761	738	712
16 to 17 years .....	353	369	316	344	348	338	309	328	313	326	336	305	280
18 to 19 years .....	475	541	503	488	441	441	448	446	377	412	432	428	424
20 to 24 years .....	989	958	871	954	931	919	893	810	872	817	837	859	879
25 years and over .....	2,774	2,909	2,660	2,633	2,576	2,450	2,311	2,376	2,320	2,316	2,291	2,305	2,254
25 to 54 years .....	2,504	2,525	2,370	2,357	2,295	2,185	2,072	2,139	2,046	2,057	2,078	2,059	1,994
55 years and over .....	282	333	309	283	278	271	251	261	269	240	235	239	266

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-38. Unemployment rates by sex and age, seasonally adjusted**

(Civilian workers)

Sex and age	1983								1984				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Total, 16 years and over .....	10.1	10.0	9.5	9.5	9.2	8.8	8.4	8.2	8.0	7.8	7.8	7.8	7.5
16 to 24 years .....	18.0	17.6	16.8	17.2	16.5	16.3	15.4	14.9	14.8	14.2	14.4	14.6	14.0
16 to 19 years .....	23.0	23.6	22.7	22.8	21.8	21.8	20.2	20.1	19.4	19.3	19.9	19.4	19.0
16 to 17 years .....	25.6	25.6	25.1	24.8	24.0	24.0	21.9	22.9	21.9	22.1	23.1	22.3	20.2
18 to 19 years .....	21.3	22.3	20.8	21.6	20.5	20.3	19.3	18.8	17.6	17.5	18.1	17.5	18.2
20 to 24 years .....	15.5	14.5	13.9	14.4	13.8	13.6	13.0	12.2	12.5	11.6	11.6	12.2	11.5
25 years and over .....	7.9	7.9	7.4	7.3	7.2	6.8	6.5	6.4	6.2	6.1	5.9	6.0	5.7
25 to 54 years .....	8.5	8.3	7.9	7.8	7.7	7.2	6.9	6.8	6.5	6.4	6.3	6.3	6.0
55 years and over .....	5.3	5.5	5.3	5.1	5.2	5.0	4.9	4.9	4.7	4.3	4.3	4.2	4.4
Men, 16 years and over .....	10.5	10.1	9.9	9.8	9.6	9.1	8.6	8.3	8.1	7.8	7.7	7.7	7.3
16 to 24 years .....	19.5	18.6	18.4	18.6	17.6	17.3	15.9	15.6	15.6	14.6	14.6	15.0	14.0
16 to 19 years .....	23.9	24.0	23.8	24.3	22.8	22.5	20.2	20.4	20.8	19.7	20.0	19.7	19.4
16 to 17 years .....	26.7	26.0	27.3	26.0	23.9	24.3	22.0	23.3	21.6	21.6	23.0	23.7	21.3
18 to 19 years .....	22.3	22.8	21.2	23.2	22.2	21.6	19.6	18.9	19.6	18.1	18.2	17.3	18.3
20 to 24 years .....	17.3	15.9	15.8	15.7	15.0	14.7	13.8	13.3	13.1	12.1	11.9	12.7	11.5
25 years and over .....	8.2	7.9	7.6	7.5	7.5	7.0	6.8	6.5	6.2	6.1	5.9	5.9	5.7
25 to 54 years .....	8.8	8.4	8.1	8.0	8.0	7.4	7.1	6.7	6.6	6.4	6.1	6.2	5.9
55 years and over .....	5.8	5.5	5.5	5.4	5.6	5.4	5.4	5.4	4.8	4.5	4.6	4.4	4.5
Women, 16 years and over .....	9.5	9.8	9.0	9.1	8.8	8.5	8.2	8.1	7.9	7.8	7.9	7.9	7.7
16 to 24 years .....	16.3	16.4	15.0	15.7	15.2	15.1	14.7	14.0	13.9	13.7	14.2	14.1	14.0
16 to 19 years .....	22.0	23.1	21.5	21.1	20.6	20.5	20.1	19.8	18.0	18.9	19.8	19.0	18.6
16 to 17 years .....	24.4	25.2	22.6	23.4	24.0	23.6	21.8	22.5	22.2	22.6	23.1	20.8	19.0
18 to 19 years .....	20.2	21.7	20.5	19.9	18.5	18.8	19.0	18.7	15.4	16.9	18.1	17.8	18.1
20 to 24 years .....	13.4	12.9	11.7	12.8	12.5	12.3	12.0	11.0	11.7	11.0	11.3	11.6	11.6
25 years and over .....	7.5	7.8	7.1	7.0	6.9	6.5	6.2	6.3	6.2	6.1	6.0	6.0	5.8
25 to 54 years .....	8.1	8.1	7.6	7.5	7.3	7.0	6.6	6.8	6.5	6.5	6.5	6.4	6.1
55 years and over .....	4.7	5.5	5.1	4.7	4.5	4.4	4.1	4.3	4.5	4.0	3.9	3.9	4.3

**A-39. Selected unemployment indicators, seasonally adjusted**

(Unemployment rates)

Category	1983								1984				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>CHARACTERISTIC</b>													
Total (all civilian workers) .....	10.1	10.0	9.5	9.5	9.2	8.8	8.4	8.2	8.0	7.8	7.8	7.8	7.5
Men, 20 years and over .....	9.5	9.1	8.8	8.7	8.6	8.2	7.8	7.4	7.3	7.0	6.8	6.9	6.5
Women, 20 years and over .....	8.5	8.6	7.9	8.0	7.8	7.5	7.2	7.1	7.1	6.9	6.9	7.0	6.8
Both sexes, 16 to 19 years .....	23.0	23.6	22.7	22.8	21.8	21.6	20.2	20.1	19.4	19.3	19.9	19.4	19.0
White .....	8.8	8.6	8.2	8.2	8.0	7.7	7.3	7.1	6.9	6.7	6.7	6.7	6.4
Black and other .....	18.5	18.6	17.9	17.9	17.3	16.7	16.1	16.3	15.6	14.9	15.1	15.1	14.2
Black .....	20.3	20.3	19.6	19.8	18.9	18.3	17.7	17.8	16.7	16.2	16.6	16.8	15.8
Hispanic origin .....	13.9	14.0	12.3	12.9	13.1	12.4	12.3	11.6	11.2	10.2	11.3	11.5	10.5
Married men, spouse present .....	7.0	6.7	6.2	6.3	6.1	5.7	5.5	5.2	5.0	4.9	4.7	4.7	4.5
Married women, spouse present .....	7.4	7.6	7.0	6.9	6.8	6.3	6.0	6.1	6.0	5.9	5.8	5.8	5.8
Women who maintain families .....	12.7	12.5	11.8	11.8	12.0	11.4	10.5	10.9	10.7	11.0	11.0	10.5	9.8
Full-time workers .....	10.0	9.7	9.4	9.3	9.1	8.7	8.2	8.0	7.8	7.5	7.5	7.6	7.2
Part-time workers .....	10.9	11.8	10.2	10.2	10.1	10.0	9.8	9.8	9.2	9.3	9.2	9.1	9.3
Unemployed 15 weeks and over <sup>1</sup> .....	4.1	4.0	3.9	3.6	3.5	3.3	3.1	3.0	2.9	2.8	2.5	2.5	2.5
Labor force time lost <sup>2</sup> .....	11.5	11.1	10.7	10.7	10.5	10.0	9.7	9.4	9.2	8.9	8.8	8.9	8.5
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers .....	10.4	10.1	9.7	9.8	9.4	9.0	8.6	8.3	7.9	7.8	7.6	7.7	7.2
Mining .....	20.8	17.9	16.6	14.9	16.9	12.1	12.8	12.4	10.9	12.2	11.2	10.3	8.9
Construction .....	20.0	18.4	18.0	17.9	18.1	15.8	15.6	16.3	15.0	15.1	13.3	14.3	14.8
Manufacturing .....	12.3	11.6	10.7	11.2	10.2	9.6	8.9	8.3	8.4	7.5	7.5	7.7	7.1
Durable goods .....	13.5	12.5	11.4	11.7	10.9	10.2	9.0	8.3	8.0	7.3	7.8	7.5	7.0
Nondurable goods .....	10.6	10.2	9.7	10.5	9.3	8.7	8.7	8.2	8.9	7.8	7.2	8.0	7.1
Transportation and public utilities .....	7.3	7.8	7.3	7.7	7.4	7.2	6.7	6.5	5.1	5.9	5.0	5.4	5.5
Wholesale and retail trade .....	10.2	10.2	9.8	9.8	9.5	9.8	9.1	8.8	8.4	8.3	8.3	8.7	7.9
Finance and service industries .....	7.5	7.2	7.3	7.2	7.0	6.9	6.7	6.6	6.3	6.3	6.4	6.1	5.5
Agricultural wage and salary workers .....	16.8	16.5	15.0	15.1	16.5	16.2	15.7	15.6	15.5	14.0	14.6	12.2	13.9

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

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

for economic reasons as a percent of potentially available labor force hours.



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-40. Unemployed persons by duration of unemployment, seasonally adjusted**

(Numbers in thousands)

Weeks of unemployment	1983								1984				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>DURATION</b>													
Less than 5 weeks .....	3,568	3,630	3,529	3,633	3,740	3,504	3,328	3,382	3,233	3,359	3,386	3,438	3,238
5 to 14 weeks .....	3,012	2,950	2,841	2,951	2,784	2,725	2,616	2,504	2,556	2,484	2,539	2,493	2,433
15 weeks and over .....	4,510	4,486	4,398	4,078	3,889	3,655	3,527	3,369	3,201	2,984	2,873	2,855	2,851
15 to 26 weeks .....	1,774	1,593	1,794	1,597	1,383	1,372	1,337	1,284	1,166	1,173	1,114	1,111	1,186
27 weeks and over .....	2,736	2,893	2,604	2,481	2,506	2,283	2,190	2,085	2,035	1,810	1,759	1,744	1,664
Average (mean) duration, in weeks .....	20.2	21.4	21.3	19.9	20.2	20.1	20.2	19.6	20.5	18.8	18.8	18.5	18.4
Median duration, in weeks .....	11.9	10.8	10.1	9.4	9.4	9.5	9.4	9.0	9.2	8.3	8.3	8.1	8.7
<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 .....	32.2	32.8	32.8	34.1	35.9	35.5	35.1	36.5	36.0	38.1	38.5	39.1	38.0
5 to 14 weeks .....	27.2	26.7	26.4	27.7	26.7	27.6	27.6	27.1	28.4	28.1	28.9	28.4	28.6
15 weeks and over .....	40.7	40.5	40.8	38.2	37.3	37.0	37.2	36.4	35.6	33.8	32.7	32.5	33.5
15 to 26 weeks .....	16.0	14.4	16.7	15.0	13.3	13.9	14.1	13.9	13.0	13.3	12.7	12.6	13.9
27 weeks and over .....	24.7	26.1	24.2	23.3	24.1	23.1	23.1	22.5	22.6	20.5	20.0	19.8	19.5

**A-41. Unemployed persons by reason for unemployment, seasonally adjusted**

(Numbers in thousands)

Reasons for unemployment	1983								1984				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>NUMBER OF UNEMPLOYED</b>													
Job losers .....	6,753	6,525	6,235	6,133	5,938	5,601	5,226	5,017	4,825	4,737	4,614	4,527	4,327
On layoff .....	1,958	1,841	1,735	1,660	1,562	1,392	1,321	1,283	1,238	1,272	1,254	1,108	1,192
Other job losers .....	4,795	4,684	4,500	4,473	4,376	4,209	3,905	3,734	3,588	3,465	3,360	3,419	3,134
Job leavers .....	808	799	752	799	858	866	868	855	809	772	756	781	804
Reentrants .....	2,404	2,436	2,415	2,479	2,362	2,322	2,250	2,246	2,192	2,153	2,208	2,308	2,178
New entrants .....	1,246	1,412	1,229	1,214	1,234	1,127	1,154	1,150	1,175	1,092	1,213	1,216	1,186
<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 .....	60.2	58.4	58.6	57.7	57.1	56.5	55.0	54.1	53.6	54.1	52.5	51.3	50.9
On layoff .....	17.5	16.5	16.3	15.6	15.0	14.0	13.9	13.8	13.7	14.5	14.3	12.5	14.0
Other job losers .....	42.8	41.9	42.3	42.1	42.1	42.4	41.1	40.3	39.9	39.6	38.2	38.7	36.9
Job leavers .....	7.2	7.2	7.1	7.5	8.3	8.7	9.1	9.2	9.0	8.8	8.6	8.8	9.5
Reentrants .....	21.4	21.8	22.7	23.3	22.7	23.4	23.7	24.2	24.4	24.6	25.1	26.1	25.6
New entrants .....	11.1	12.6	11.6	11.4	11.9	11.4	12.1	12.4	13.1	12.5	13.8	13.8	14.0
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	6.1	5.8	5.6	5.5	5.3	5.0	4.7	4.5	4.3	4.2	4.1	4.0	3.8
Job leavers .....	.7	.7	.7	.7	.8	.8	.8	.8	.7	.7	.7	.7	.7
Reentrants .....	2.2	2.2	2.2	2.2	2.1	2.1	2.0	2.0	2.0	1.9	2.0	2.0	1.9
New entrants .....	1.1	1.3	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.0

**ESTABLISHMENT DATA  
HISTORICAL EMPLOYMENT**

**B-1. Employees on nonagricultural payrolls by major industry, 1933 to date**

(In thousands)

Year and month	Total		Goods-producing				Service-producing						Government		
			Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Federal	State	Local
<b>Annual averages</b>															
1933	23,699	20,533	8,965	744	824	7,397	14,734	2,672	( <sup>1</sup> )	( <sup>1</sup> )	1,280	2,861	565	( <sup>1</sup> )	( <sup>1</sup> )
1934	25,940	22,641	10,261	883	877	8,501	15,679	2,750	( <sup>1</sup> )	( <sup>1</sup> )	1,304	3,045	652	( <sup>1</sup> )	( <sup>1</sup> )
1935	27,039	23,558	10,893	897	927	9,069	16,146	2,786	( <sup>1</sup> )	( <sup>1</sup> )	1,320	3,128	753	( <sup>1</sup> )	( <sup>1</sup> )
1936	29,068	25,400	11,933	946	1,160	9,827	17,135	2,973	( <sup>1</sup> )	( <sup>1</sup> )	1,373	3,312	826	( <sup>1</sup> )	( <sup>1</sup> )
1937	31,011	27,255	12,936	1,015	1,127	10,794	18,075	3,134	( <sup>1</sup> )	( <sup>1</sup> )	1,417	3,503	833	( <sup>1</sup> )	( <sup>1</sup> )
1938	29,194	25,311	11,401	891	1,070	9,440	17,793	2,863	( <sup>1</sup> )	( <sup>1</sup> )	1,410	3,458	829	( <sup>1</sup> )	( <sup>1</sup> )
1939	30,603	26,608	12,297	854	1,165	10,278	18,306	2,936	1,762	4,664	1,447	3,502	905	( <sup>1</sup> )	( <sup>1</sup> )
1940	32,361	28,159	13,221	925	1,311	10,985	19,140	3,038	1,835	4,914	1,485	3,665	996	( <sup>1</sup> )	( <sup>1</sup> )
1941	36,539	31,877	15,963	957	1,814	13,192	20,574	3,274	1,960	5,251	1,525	3,905	1,340	( <sup>1</sup> )	( <sup>1</sup> )
1942	40,106	34,624	18,470	992	2,198	15,280	21,636	3,460	1,906	5,212	1,509	4,066	2,213	( <sup>1</sup> )	( <sup>1</sup> )
1943	42,434	36,356	20,114	925	1,587	17,602	22,320	3,647	1,822	5,160	1,481	4,130	2,905	( <sup>1</sup> )	( <sup>1</sup> )
1944	41,864	35,822	19,328	892	1,108	17,328	22,536	3,829	1,845	5,214	1,461	4,145	2,928	( <sup>1</sup> )	( <sup>1</sup> )
1945	40,374	34,431	17,507	836	1,147	15,524	22,867	3,906	1,949	5,365	1,481	4,222	2,808	( <sup>1</sup> )	( <sup>1</sup> )
1946	41,652	36,056	17,248	862	1,683	14,703	24,404	4,061	2,291	6,084	1,675	4,697	2,254	( <sup>1</sup> )	( <sup>1</sup> )
1947	43,857	38,382	18,509	955	2,009	15,545	25,348	4,166	2,471	6,485	1,728	5,025	1,892	( <sup>1</sup> )	( <sup>1</sup> )
1948	44,866	39,216	18,774	994	2,198	15,582	26,092	4,189	2,605	6,667	1,800	5,181	1,863	( <sup>1</sup> )	( <sup>1</sup> )
1949	43,754	37,897	17,565	930	2,194	14,441	26,189	4,001	2,602	6,662	1,828	5,240	1,908	( <sup>1</sup> )	( <sup>1</sup> )
1950	45,197	39,170	18,506	901	2,364	15,241	26,691	4,034	2,635	6,751	1,888	5,357	1,928	( <sup>1</sup> )	( <sup>1</sup> )
1951	47,819	41,430	19,959	929	2,637	16,393	27,860	4,226	2,727	7,015	1,956	5,547	2,302	( <sup>1</sup> )	( <sup>1</sup> )
1952	48,793	42,185	20,198	898	2,668	16,632	28,595	4,248	2,812	7,192	2,035	5,699	2,420	( <sup>1</sup> )	( <sup>1</sup> )
1953	50,202	43,556	21,074	866	2,659	17,549	29,128	4,290	2,854	7,393	2,111	5,835	2,305	( <sup>1</sup> )	( <sup>1</sup> )
1954	48,990	42,238	19,751	791	2,646	16,314	29,239	4,084	2,867	7,368	2,200	5,969	2,188	( <sup>1</sup> )	( <sup>1</sup> )
1955	50,641	43,727	20,513	792	2,839	16,882	30,128	4,141	2,926	7,610	2,298	6,240	2,187	1,168	3,558
1956	52,369	45,091	21,104	822	3,039	17,243	31,266	4,244	3,018	7,840	2,389	6,497	2,209	1,250	3,819
1957	52,853	45,239	20,964	828	2,962	17,174	31,889	4,241	3,028	7,858	2,438	6,708	2,217	1,328	4,071
1958	51,324	43,483	19,513	751	2,817	15,945	31,811	3,976	2,980	7,770	2,481	6,765	2,191	1,415	4,232
1959 <sup>2</sup>	53,268	45,186	20,411	732	3,004	16,675	32,857	4,011	3,082	8,045	2,549	7,087	2,233	1,484	4,366
1960	54,189	45,836	20,434	712	2,926	16,796	33,755	4,004	3,143	8,248	2,629	7,378	2,270	1,536	4,547
1961	53,999	45,404	19,857	672	2,859	16,326	34,142	3,903	3,133	8,204	2,688	7,620	2,279	1,607	4,708
1962	55,549	46,660	20,451	650	2,948	16,853	35,098	3,906	3,198	8,368	2,754	7,982	2,340	1,688	4,881
1963	56,653	47,429	20,640	635	3,010	16,995	36,013	3,903	3,248	8,530	2,830	8,277	2,358	1,747	5,121
1964	58,283	48,686	21,005	634	3,097	17,274	37,278	3,951	3,337	8,823	2,911	8,660	2,346	1,856	5,392
1965	60,765	50,689	21,926	632	3,232	18,062	38,839	4,036	3,466	9,250	2,977	9,036	2,378	1,996	5,700
1966	63,901	53,116	23,158	627	3,317	19,214	40,743	4,158	3,597	9,648	3,058	9,498	2,564	2,141	6,080
1967	65,803	54,413	23,308	613	3,248	19,447	42,495	4,268	3,689	9,917	3,185	10,045	2,719	2,302	6,371
1968	67,897	56,058	23,737	606	3,350	19,781	44,160	4,318	3,779	10,320	3,337	10,567	2,737	2,442	6,660
1969	70,384	58,189	24,361	619	3,575	20,167	46,023	4,442	3,907	10,798	3,512	11,169	2,758	2,533	6,904
1970	70,880	58,325	23,578	623	3,588	19,367	47,302	4,515	3,993	11,047	3,645	11,548	2,731	2,664	7,158
1971	71,214	58,331	22,935	609	3,704	18,623	48,278	4,476	4,001	11,351	3,772	11,797	2,696	2,747	7,437
1972	73,675	60,341	23,668	628	3,889	19,151	50,007	4,541	4,113	11,836	3,908	12,276	2,684	2,859	7,790
1973	76,790	63,058	24,893	642	4,097	20,154	51,897	4,656	4,277	12,329	4,046	12,857	2,663	2,923	8,146
1974	78,265	64,095	24,794	697	4,020	20,077	53,471	4,725	4,433	12,554	4,148	13,441	2,724	3,039	8,407
1975	76,945	62,259	22,600	752	3,525	18,323	54,345	4,542	4,415	12,645	4,165	13,892	2,748	3,179	8,758
1976	79,382	64,511	23,352	779	3,576	18,997	56,030	4,582	4,546	13,209	4,271	14,551	2,733	3,273	8,865
1977	82,471	67,344	24,346	813	3,851	19,682	58,125	4,713	4,708	13,808	4,467	15,303	2,727	3,377	9,023
1978	86,697	71,026	25,585	851	4,229	20,505	61,113	4,923	4,969	14,573	4,724	16,252	2,753	3,474	9,446
1979	89,823	73,876	26,461	958	4,463	21,040	63,363	5,136	5,204	14,989	4,975	17,112	2,773	3,541	9,633
1980	90,406	74,166	25,658	1,027	4,346	20,285	64,748	5,146	5,275	15,035	5,160	17,890	2,866	3,610	9,765
1981	91,156	75,126	25,497	1,139	4,188	20,170	65,659	5,165	5,358	15,189	5,298	18,619	2,772	3,640	9,619
1982	89,566	73,729	23,813	1,128	3,905	18,781	65,753	5,082	5,278	15,179	5,341	19,036	2,739	3,640	9,458
1983	90,138	74,288	23,394	957	3,940	18,497	66,744	4,958	5,259	15,545	5,467	19,665	2,752	3,660	9,439
<b>Monthly data, seasonally adjusted</b>															
1983:															
May	89,578	73,730	23,087	940	3,849	18,298	66,491	5,001	5,220	15,433	5,460	19,529	2,753	3,652	9,443
June	89,927	74,091	23,241	939	3,911	18,391	66,686	5,005	5,241	15,514	5,464	19,626	2,744	3,657	9,435
July	90,274	74,452	23,414	946	3,947	18,521	66,860	5,001	5,256	15,580	5,478	19,723	2,744	3,662	9,416
August	89,918	74,110	23,532	950	3,985	18,597	66,386	4,369	5,277	15,626	5,498	19,808	2,747	3,668	9,393
September	91,018	75,083	23,669	952	4,019	18,698	67,349	5,046	5,301	15,671	5,503	19,893	2,774	3,672	9,489
October	91,345	75,481	23,895	965	4,044	18,886	67,450	5,053	5,322	15,737	5,512	19,962	2,760	3,667	9,437
November	91,688	75,814	24,058	967	4,073	19,018	67,630	5,043	5,344	15,805	5,530	20,034	2,759	3,669	9,446
December	92,026	76,157	24,198	969	4,086	19,143	67,828	5,055	5,371	15,857	5,546	20,130	2,762	3,668	9,439
1984:															
January	92,391	76,533	24,383	975	4,154	19,254	68,008	5,095	5,406	15,914	5,573	20,162	2,760	3,670	9,428
February	92,846	76,971	24,577	978	4,226	19,373	68,269	5,105	5,438	15,980	5,593	20,278	2,763	3,682	9,430
March	93,058	77,185	24,595	978	4,151	19,466	68,463	5,112	5,457	16,030	5,613	20,378	2,770	3,686	9,417
April <sup>P</sup>	93,456	77,551	24,763	985	4,247	19,531	68,693	5,131	5,474	16,094	5,640	20,449	2,773	3,693	9,439
May <sup>P</sup>	93,688	77,798	24,856	993	4,306	19,557	68,832	5,141	5,496	16,117	5,650	20,538	2,767	3,701	9,422

<sup>1</sup> Not available.

<sup>2</sup> Data include Alaska and Hawaii beginning in 1959. This inclusion resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month.

<sup>P</sup> = preliminary.

NOTE: In accordance with usual practice, BLS has revised establishment survey data to reflect new benchmarks and updated seasonal adjustment factors. Because of these revisions, unadjusted data (beginning April 1982) and seasonally adjusted data (beginning January 1979) differ from those previously published. See the article in this issue for additional information.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers <sup>1</sup>				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
<b>Total</b> .....		89,064	89,921	92,234	93,234	94,063	-	-	-	-	-
<b>Total private</b> .....		72,930	73,750	76,030	77,016	77,845	58,799	59,576	61,384	62,290	63,048
<b>Mining</b> .....		936	938	967	978	991	657	660	689	697	709
Metal mining .....	10	56.6	57.5	58.1	58.5	-	41.1	41.8	42.3	42.7	-
Iron ores .....	101	10.6	11.0	11.4	11.8	-	7.0	7.2	8.3	8.7	-
Copper ores .....	102	19.4	19.8	18.6	18.3	-	14.1	14.5	12.9	12.9	-
Coal mining .....	11,12	189.6	189.4	201.3	203.3	-	151.7	152.0	162.9	164.6	-
Bituminous coal and lignite mining .....	12	186.7	186.5	198.6	200.6	-	149.2	149.5	160.5	162.3	-
Oil and gas extraction .....	13	586.3	583.8	603.3	605.3	612.6	386.5	384.2	405.4	405.4	-
Crude petroleum, natural gas, and natural gas liquids ...	131,2	262.2	262.5	255.9	256.0	-	122.6	121.9	117.8	116.5	-
Oil and gas field services .....	138	324.1	321.3	347.4	349.3	-	263.9	262.3	287.6	288.9	-
Nonmetallic minerals, except fuels .....	14	103.7	107.5	104.7	110.5	-	78.1	81.8	78.6	84.0	-
Crushed and broken stone .....	142	34.0	35.8	32.9	35.3	-	26.7	28.4	25.4	27.8	-
Sand and gravel .....	144	30.4	32.8	32.0	34.6	-	-	-	-	-	-
Chemical and fertilizer minerals .....	147	20.8	20.3	21.3	21.4	-	-	-	-	-	-
<b>Construction</b> .....		3,650	3,861	3,794	4,060	4,319	2,753	2,957	2,864	3,115	3,362
General building contractors .....	15	919.3	981.6	1,010.8	1,056.0	1,124.3	680.7	719.3	729.5	771.4	-
Residential building construction .....	152	432.0	477.5	478.3	506.7	-	299.0	341.3	331.1	357.4	-
Operative builders .....	153	51.7	53.4	61.5	61.3	-	27.6	29.0	33.9	33.0	-
Nonresidential building construction .....	154	435.6	450.7	471.0	488.0	-	334.1	349.0	364.5	381.0	-
Heavy construction contractors .....	18	740.2	794.1	702.8	753.4	-	583.1	637.0	558.6	607.1	-
Highway and street construction .....	161	200.2	240.0	189.5	224.4	-	162.0	201.0	150.0	183.6	-
Heavy construction, except highway .....	182	540.0	554.1	513.3	529.0	-	421.1	436.0	408.6	423.5	-
Special trade contractors .....	17	1,990.0	2,085.4	2,080.0	2,250.4	-	1,509.6	1,800.4	1,576.2	1,736.9	-
Plumbing, heating, and air conditioning .....	171	474.3	484.8	505.9	516.9	-	337.7	346.7	366.6	375.9	-
Painting, paper hanging, and decorating .....	172	114.4	128.9	118.3	132.5	-	92.6	106.3	95.1	108.6	-
Electrical work .....	173	381.7	388.9	408.7	417.8	-	284.3	290.8	307.0	315.5	-
Masonry, stonework, and plastering .....	174	300.4	315.2	315.1	348.7	-	250.2	264.6	262.7	294.6	-
Carpentering and flooring .....	175	110.0	115.5	120.6	127.8	-	81.9	86.4	88.3	94.7	-
Roofing and sheet metal work .....	176	150.3	160.3	147.5	171.0	-	116.6	126.2	112.7	135.5	-
<b>Manufacturing</b> .....		18,093	18,270	19,323	19,431	19,539	12,239	12,396	13,280	13,368	13,471
<b>Durable goods</b> .....		10,517	10,640	11,456	11,533	11,613	6,936	7,046	7,736	7,796	7,869
Lumber and wood products .....	24	621.0	645.2	688.0	700.5	714.4	513.9	536.5	576.3	587.5	600.1
Logging camps and logging contractors .....	241	71.5	76.8	73.7	74.6	-	54.4	58.9	56.9	57.0	-
Sawmills and planing mills .....	242	183.9	191.2	205.2	208.7	-	162.2	169.2	181.9	185.1	-
Sawmills and planing mills, general .....	2421	154.0	160.1	170.0	173.1	-	136.3	142.1	151.1	153.9	-
Hardwood dimension and flooring .....	2426	26.1	27.1	30.4	30.5	-	22.5	23.5	26.7	26.8	-
Millwork, plywood, and structural members .....	243	188.6	195.1	216.4	219.6	-	155.2	161.1	180.8	183.9	-
Millwork .....	2431	70.5	72.2	80.5	81.3	-	56.6	57.9	65.4	66.1	-
Wood kitchen cabinets .....	2434	45.5	47.9	56.3	57.7	-	35.7	38.1	45.7	47.0	-
Hardwood veneer and plywood .....	2435	21.8	22.4	24.6	24.8	-	19.0	19.6	21.7	21.9	-
Softwood veneer and plywood .....	2436	36.5	36.9	37.1	37.3	-	32.7	33.0	33.7	33.9	-
Wood containers .....	244	36.9	37.9	39.6	40.6	-	30.9	32.1	33.8	34.7	-
Wood buildings and mobile homes .....	245	65.3	69.0	70.9	73.7	-	49.2	52.8	54.3	57.0	-
Mobile homes .....	2451	48.5	50.8	52.9	55.0	-	38.0	40.4	42.3	44.4	-
Miscellaneous wood products .....	249	74.8	75.2	82.2	83.3	-	62.0	62.4	68.6	69.8	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers <sup>1</sup>				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
<b>Durable goods—Continued</b>											
Furniture and fixtures .....	25	435.7	439.3	480.5	482.0	482.6	344.7	348.0	384.7	386.3	385.8
Household furniture .....	251	274.7	275.3	293.2	292.7	-	226.9	227.8	245.7	245.6	-
Wood household furniture .....	2511	123.1	123.2	128.7	128.2	-	106.0	106.1	111.7	111.5	-
Upholstered household furniture .....	2512	83.4	84.4	90.4	90.4	-	67.0	68.1	74.0	74.2	-
Metal household furniture .....	2514	28.1	26.9	31.5	31.5	-	22.9	21.7	26.0	25.9	-
Mattresses and bedsprings .....	2515	28.7	28.8	29.8	29.8	-	21.6	21.9	23.1	23.0	-
Office furniture .....	252	52.0	53.0	63.8	64.6	-	39.4	40.4	49.2	49.8	-
Public building and related furniture .....	253	22.4	23.1	25.1	24.8	-	16.4	16.9	18.8	18.6	-
Partitions and fixtures .....	254	56.3	57.0	63.7	64.8	-	41.4	41.9	47.2	48.3	-
Miscellaneous furniture and fixtures .....	259	30.3	30.9	34.7	35.1	-	20.6	21.0	23.8	24.0	-
Stone, clay, and glass products .....	32	557.4	570.4	585.8	598.0	609.3	421.6	433.5	446.6	458.0	466.9
Flat glass .....	321	15.2	15.3	15.8	15.7	-	11.9	11.9	12.5	12.5	-
Glass and glassware, pressed or blown .....	322	103.7	103.8	101.2	100.5	-	86.7	86.8	85.7	85.2	-
Glass containers .....	3221	57.3	56.9	51.8	51.7	-	50.0	49.6	45.6	45.5	-
Pressed and blown glass, nec .....	3229	46.4	46.9	49.4	48.8	-	36.7	37.2	40.1	39.7	-
Products of purchased glass .....	323	44.0	44.8	48.9	48.8	-	29.6	29.9	33.9	33.7	-
Cement, hydraulic .....	324	25.2	25.9	26.2	26.1	-	19.7	20.3	20.5	20.4	-
Structural clay products .....	325	34.1	35.3	37.9	38.9	-	25.4	26.6	29.1	30.0	-
Pottery and related products .....	326	38.4	38.6	40.5	40.9	-	30.2	30.3	32.0	32.4	-
Concrete, gypsum, and plaster products .....	327	176.4	185.1	185.5	196.3	-	133.1	141.7	140.4	150.6	-
Concrete block and brick .....	3271	16.9	17.4	17.7	18.7	-	11.3	11.7	11.8	12.7	-
Concrete products, nec .....	3272	58.5	59.9	64.4	66.6	-	42.7	44.1	47.4	49.4	-
Ready-mixed concrete .....	3273	84.2	90.7	85.0	92.5	-	65.7	72.2	66.8	74.0	-
Misc. nonmetallic mineral products .....	329	109.7	110.8	119.0	119.6	-	76.6	77.6	84.0	84.4	-
Abrasive products .....	3291	21.7	22.0	24.0	24.0	-	14.0	14.3	16.1	16.1	-
Asbestos products .....	3292	11.6	11.7	12.3	12.4	-	8.6	8.6	9.3	9.4	-
Mineral wool .....	3296	25.6	25.5	27.2	27.3	-	-	-	-	-	-
Primary metal industries .....	33	827.6	831.9	881.2	887.1	891.6	614.1	618.6	671.4	676.1	679.8
Blast furnaces and basic steel products .....	331	342.6	343.5	347.9	349.6	350.5	256.3	257.4	268.0	270.3	-
Blast furnaces and steel mills .....	3312	280.3	279.7	279.1	280.5	-	211.1	210.8	216.7	218.4	-
Steel pipe and tubes .....	3317	23.5	24.1	24.8	24.8	-	16.7	17.2	18.0	18.2	-
Iron and steel foundries .....	332	137.7	139.8	155.7	157.4	-	104.3	106.2	122.8	124.4	-
Gray iron foundries .....	3321	87.8	90.1	99.9	100.7	-	69.0	71.1	81.3	82.2	-
Malleable iron foundries .....	3322	10.5	10.4	12.6	12.6	-	7.6	7.5	9.3	9.3	-
Steel foundries, nec .....	3325	28.6	28.9	31.7	32.2	-	20.4	20.5	23.8	24.4	-
Primary nonferrous metals .....	333	49.0	48.5	54.2	54.6	-	35.2	34.8	40.0	40.1	-
Primary aluminum .....	3334	24.5	24.3	29.6	29.8	-	18.2	18.2	23.1	23.2	-
Nonferrous rolling and drawing .....	335	182.1	183.0	189.1	189.6	-	128.4	129.5	134.9	134.4	-
Copper rolling and drawing .....	3351	24.8	25.1	25.8	25.6	-	18.0	18.3	19.5	18.7	-
Aluminum sheet, plate, and foil .....	3353	30.1	30.1	31.2	31.2	-	23.4	23.5	24.2	24.0	-
Nonferrous wire drawing and insulating .....	3357	78.8	78.7	81.3	81.6	-	55.4	55.5	57.8	58.0	-
Nonferrous foundries .....	336	76.5	77.1	87.9	88.8	-	61.0	61.6	70.8	71.4	-
Aluminum foundries .....	3361	45.4	46.0	53.4	53.9	-	37.2	37.7	43.9	44.3	-
Fabricated metal products .....	34	1,342.0	1,353.4	1,449.8	1,456.9	1,467.3	969.2	979.1	1,065.0	1,073.0	1,083.1
Metal cans and shipping containers .....	341	61.6	62.4	61.7	61.4	-	52.1	52.7	52.1	51.8	-
Metal cans .....	3411	49.6	50.1	49.3	49.1	-	42.8	43.2	42.5	42.3	-
Cutlery, hand tools, and hardware .....	342	135.0	136.0	146.9	146.3	-	99.0	99.8	109.8	109.4	-
Hand and edge tools, and hand saws and blades .....	3423,5	42.7	42.8	46.0	45.7	-	31.0	31.2	34.0	33.8	-
Hardware, nec .....	3429	78.9	79.8	87.3	86.9	-	58.8	59.5	66.7	66.4	-
Plumbing and heating, except electric .....	343	58.9	58.9	64.0	64.6	-	41.9	41.4	45.4	46.0	-
Plumbing fittings and brass goods .....	3432	23.8	24.0	27.2	27.8	-	18.4	18.4	20.6	21.1	-
Heating equipment, except electric .....	3433	26.3	26.3	27.3	27.2	-	17.2	17.0	17.7	17.8	-
Fabricated structural metal products .....	344	411.5	416.1	438.5	442.3	-	274.0	277.9	296.1	299.9	-
Fabricated structural metal .....	3441	75.6	75.1	77.3	77.1	-	51.8	51.2	53.1	53.2	-
Metal doors, sash, and trim .....	3442	75.9	78.1	85.1	86.2	-	54.6	56.5	61.8	62.6	-
Fabricated plate work (boiler shops) .....	3443	105.3	104.5	104.5	104.8	-	60.8	60.1	60.2	60.7	-
Sheet metal work .....	3444	99.4	101.3	111.8	113.5	-	70.3	72.1	81.5	83.0	-
Architectural metal work .....	3446	26.3	26.6	26.7	26.9	-	18.0	18.3	18.9	19.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers <sup>1</sup>				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
<b>Durable goods—Continued</b>											
Fabricated metal products—Continued											
Screw machine products, bolts, etc .....	345	83.6	84.3	93.4	94.1	-	61.8	62.5	71.3	72.0	-
Screw machine products .....	3451	38.0	38.5	44.8	45.2	-	29.5	30.1	36.2	36.7	-
Bolts, nuts, rivets, and washers .....	3452	45.6	45.8	48.6	48.9	-	32.3	32.4	35.1	35.3	-
Metal forgings and stampings .....	346	221.3	224.4	252.4	254.0	-	174.2	177.2	202.6	203.9	-
Iron and steel forgings .....	3462	30.4	30.4	33.6	33.7	-	22.5	22.7	25.9	26.0	-
Automotive stampings .....	3465	83.7	85.3	98.4	98.8	-	70.7	72.3	84.2	84.6	-
Metal stampings, nec .....	3469	97.3	97.9	109.3	110.4	-	73.6	74.0	84.2	85.0	-
Metal services, nec .....	347	93.8	95.1	101.1	102.1	-	74.0	75.3	81.4	82.1	-
Plating and polishing .....	3471	64.1	65.4	69.8	70.6	-	51.9	53.0	57.3	58.0	-
Metal coating and allied services .....	3479	29.7	29.7	31.3	31.5	-	22.1	22.3	24.1	24.1	-
Ordnance and accessories, nec .....	348	64.7	64.4	66.1	65.4	-	41.9	41.6	42.6	42.8	-
Ammunition, except for small arms, nec .....	3483	28.9	29.0	30.4	29.6	-	19.1	19.0	19.4	19.2	-
Misc. fabricated metal products .....	349	211.6	211.8	225.7	226.7	-	150.3	150.7	163.7	165.1	-
Valves and pipe fittings .....	3494	83.9	83.2	84.9	85.2	-	54.6	54.0	57.0	57.4	-
Misc. fabricated wire products .....	3496	49.4	50.1	56.2	56.5	-	37.0	37.7	42.8	43.2	-
Machinery, except electrical .....	35	1,991.7	2,017.8	2,177.3	2,192.9	2,203.1	1,163.7	1,183.9	1,323.3	1,335.3	1,346.9
Engines and turbines .....	351	102.8	107.3	114.3	114.2	-	59.6	63.6	71.8	71.3	-
Turbines and turbine generator sets .....	3511	37.0	36.6	34.7	34.5	-	19.8	19.4	17.2	16.9	-
Internal combustion engines, nec .....	3519	65.8	70.7	79.6	79.7	-	39.8	44.2	54.6	54.4	-
Farm and garden machinery .....	352	109.0	109.2	119.6	120.1	-	71.4	71.7	80.9	81.7	-
Farm machinery and equipment .....	3523	88.8	89.3	95.5	96.1	-	56.9	57.7	63.4	63.8	-
Construction and related machinery .....	353	237.8	253.7	270.2	273.1	-	130.2	142.9	165.0	166.8	-
Construction machinery .....	3531	71.1	87.5	93.4	94.6	-	32.2	44.8	55.8	57.0	-
Mining machinery .....	3532	22.0	21.9	23.7	23.7	-	12.5	12.3	14.1	14.0	-
Oil field machinery .....	3533	72.7	71.3	73.9	74.7	-	44.8	44.0	47.6	47.8	-
Conveyors and conveying equipment .....	3535	25.4	25.4	27.8	28.2	-	12.9	13.0	14.5	14.7	-
Industrial trucks and tractors .....	3537	23.5	24.4	26.9	27.2	-	13.8	14.7	17.8	18.2	-
Metalworking machinery .....	354	272.6	273.2	303.0	305.7	-	187.4	187.7	214.6	216.6	-
Machine tools, metal cutting types .....	3541	51.3	51.4	54.8	55.3	-	29.1	29.0	32.9	33.2	-
Machine tools, metal forming types .....	3542	16.7	17.0	18.5	18.6	-	9.6	9.9	11.2	11.3	-
Special dies, tools, jigs, and fixtures .....	3544	117.3	117.1	132.0	133.0	-	90.3	90.0	103.0	104.0	-
Machine tool accessories .....	3545	49.9	50.3	57.3	57.9	-	33.4	33.8	40.1	40.4	-
Power driven hand tools .....	3546	20.8	20.9	23.1	23.4	-	14.9	15.0	16.5	16.5	-
Special industry machinery .....	355	158.8	158.8	165.8	166.0	-	93.0	93.0	98.8	99.2	-
Food products machinery .....	3551	36.6	36.4	36.7	36.9	-	22.7	22.3	22.7	22.8	-
Textile machinery .....	3552	20.3	20.2	21.2	21.2	-	13.5	13.5	14.6	14.6	-
Printing trades machinery .....	3555	33.0	32.9	33.4	33.4	-	18.9	18.8	19.3	19.3	-
General industrial machinery .....	356	249.1	249.9	271.0	273.9	-	152.3	152.7	171.9	174.8	-
Pumps and pumping equipment .....	3561	48.8	48.5	52.1	52.5	-	27.0	26.8	29.8	30.3	-
Ball and roller bearings .....	3562	42.2	42.8	48.5	49.2	-	31.3	31.6	36.6	37.3	-
Air and gas compressors .....	3563	23.7	23.3	22.0	22.4	-	11.9	11.5	11.4	11.9	-
Blowers and fans .....	3564	31.8	31.9	34.3	34.5	-	19.2	19.4	21.0	21.2	-
Speed changers, drives, and gears .....	3566	18.2	18.5	20.0	20.2	-	11.5	11.6	13.5	13.6	-
Power transmission equipment, nec .....	3568	15.7	15.9	18.9	19.1	-	10.3	10.5	12.8	13.0	-
Office and computing machines .....	357	469.8	471.3	495.5	497.6	-	189.2	189.1	199.1	200.1	-
Electronic computing equipment .....	3573	404.0	405.2	430.4	432.1	-	155.6	155.6	165.0	165.5	-
Refrigeration and service machinery .....	358	156.4	157.7	176.8	177.9	-	105.9	107.5	124.0	124.9	-
Refrigeration and heating equipment .....	3585	108.1	109.8	125.3	126.1	-	74.4	76.1	90.0	90.7	-
Misc. machinery, except electrical .....	359	235.4	236.7	261.1	264.4	-	174.7	175.7	197.2	199.9	-
Carburetors, pistons, rings, and valves .....	3592	32.9	33.6	36.9	37.5	-	26.1	26.9	29.4	30.1	-
Machinery, except electrical, nec .....	3599	202.5	203.1	224.2	226.9	-	148.6	148.8	167.8	169.8	-
Electrical and electronic equipment .....	36	1,970.0	1,984.1	2,188.6	2,206.8	2,224.5	1,190.3	1,203.0	1,358.2	1,371.1	1,386.6
Electric distributing equipment .....	361	106.8	106.7	112.0	112.7	-	75.5	75.6	80.9	81.4	-
Transformers .....	3612	47.4	47.3	50.1	50.5	-	32.8	32.8	35.8	36.3	-
Switchgear and switchboard apparatus .....	3613	59.4	59.4	61.9	62.2	-	42.7	42.8	45.1	45.1	-
Electrical industrial apparatus .....	362	193.1	193.8	212.6	214.2	-	132.7	133.1	150.8	152.0	-
Motors and generators .....	3621	95.6	96.3	106.4	107.1	-	72.8	73.3	82.9	83.3	-
Industrial controls .....	3622	61.2	61.0	66.2	67.0	-	36.0	35.8	40.2	40.9	-
Household appliances .....	363	134.1	137.1	155.0	157.2	-	103.9	107.1	122.9	124.9	-
Household refrigerators and freezers .....	3632	24.1	24.5	32.3	33.1	-	19.1	19.5	26.5	27.4	-
Household laundry equipment .....	3633	18.8	18.9	20.3	19.7	-	14.6	14.7	15.8	15.2	-
Electric housewares and fans .....	3634	39.5	41.3	43.3	44.3	-	29.9	31.9	33.2	34.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers <sup>1</sup>				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>a</sup>	May 1984 <sup>a</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>a</sup>	May 1984 <sup>a</sup>
<b>Durable goods—Continued</b>											
Electrical and electronic equipment—Continued											
Electric lighting and wiring equipment .....	364	183.5	184.0	201.7	203.4	-	134.3	134.5	148.6	149.7	-
Electric lamps .....	3641	27.3	27.4	28.3	28.6	-	23.7	23.8	24.6	24.9	-
Current-carrying wiring devices .....	3643	76.1	76.7	85.3	86.8	-	51.0	51.4	57.5	58.5	-
Noncurrent-carrying wiring devices .....	3644	16.9	16.8	17.6	17.5	-	12.1	12.0	12.7	12.5	-
Residential lighting fixtures .....	3645	24.8	24.5	28.0	27.7	-	18.9	18.4	21.6	21.1	-
Radio and TV receiving equipment .....	365	84.9	85.8	88.5	89.0	-	58.9	59.8	61.5	62.1	-
Radio and TV receiving sets .....	3651	65.8	65.9	69.2	70.0	-	45.1	45.2	47.4	48.2	-
Communication equipment .....	366	564.3	565.3	598.1	600.3	-	258.7	258.8	275.6	277.1	-
Telephone and telegraph apparatus .....	3661	140.3	139.8	148.2	148.7	-	89.1	88.5	95.3	96.0	-
Radio and TV communication equipment .....	3662	424.0	425.5	449.9	451.6	-	169.6	170.3	180.3	181.1	-
Electronic components and accessories .....	367	561.9	568.2	660.3	669.1	-	326.8	332.8	402.1	407.9	-
Electronic tubes .....	3671-3	38.4	38.6	40.7	41.1	-	24.4	24.7	24.9	25.2	-
Semiconductors and related devices .....	3674	228.4	229.8	258.3	262.6	-	94.4	96.4	113.4	115.8	-
Electronic components, nec .....	3679	226.8	230.5	274.9	277.7	-	157.4	160.1	196.9	198.8	-
Misc. electrical equipment and supplies .....	369	141.4	143.2	160.4	160.9	-	99.5	101.3	115.8	116.0	-
Storage batteries .....	3691	26.1	26.6	31.0	30.3	-	20.0	20.6	24.3	23.7	-
Engine electrical equipment .....	3694	55.1	56.0	64.3	64.7	-	42.2	43.2	51.1	51.2	-
Transportation equipment .....	37	1,716.3	1,739.9	1,907.4	1,905.3	1,916.2	1,070.3	1,090.8	1,230.9	1,225.6	1,234.6
Motor vehicles and equipment .....	371	724.3	744.1	863.0	855.0	863.4	541.6	558.0	669.0	659.5	-
Motor vehicles and car bodies .....	3711	337.1	349.4	391.7	379.7	-	242.1	251.5	292.8	280.3	-
Truck and bus bodies .....	3713	32.8	33.1	38.8	39.8	-	24.9	25.2	30.4	31.2	-
Motor vehicle parts and accessories .....	3714	325.1	330.1	383.8	385.0	-	252.8	257.3	306.6	307.3	-
Truck trailers .....	3715	18.9	20.4	31.1	32.4	-	13.6	15.1	24.5	25.7	-
Aircraft and parts .....	372	580.1	578.9	591.0	592.0	-	285.7	284.7	285.8	285.1	-
Aircraft .....	3721	307.9	307.1	314.1	314.5	-	134.5	134.1	133.4	132.8	-
Aircraft engines and engine parts .....	3724	142.8	142.4	141.8	142.0	-	77.2	76.6	74.7	74.6	-
Aircraft equipment, nec .....	3728	129.4	129.4	135.1	135.5	-	74.0	74.0	77.7	77.7	-
Ship and boat building and repairing .....	373	185.9	187.9	203.6	206.0	-	139.1	141.9	154.9	157.9	-
Ship building and repairing .....	3731	145.1	145.2	155.5	155.4	-	105.5	106.6	114.8	115.5	-
Boat building and repairing .....	3732	40.8	42.7	48.1	50.6	-	33.6	35.3	40.1	42.4	-
Railroad equipment .....	374	28.0	29.0	35.0	36.0	-	17.0	17.8	23.7	24.6	-
Guided missiles, space vehicles, and parts .....	376	136.1	137.4	146.6	147.8	-	43.7	44.6	48.5	48.8	-
Guided missiles and space vehicles .....	3761	105.8	106.8	113.0	114.1	-	32.7	33.5	36.5	36.6	-
Miscellaneous transportation equipment .....	379	46.8	47.4	50.8	51.2	-	32.2	32.7	35.9	36.6	-
Travel trailers and campers .....	3792	19.8	20.5	23.6	23.9	-	15.6	16.3	19.2	19.7	-
Instruments and related products .....	38	688.2	688.2	714.8	717.2	719.8	384.9	385.9	402.1	402.8	404.5
Engineering and scientific instruments .....	381	75.6	75.5	78.6	78.8	-	35.0	34.9	35.6	35.5	-
Measuring and controlling devices .....	382	232.8	231.1	246.7	248.6	-	136.0	135.8	144.2	144.9	-
Environmental controls .....	3822	41.0	41.6	46.2	47.3	-	26.9	27.3	29.9	30.5	-
Process control instruments .....	3823	52.8	52.7	53.3	53.2	-	25.3	25.3	25.7	25.6	-
Instruments to measure electricity .....	3825	99.3	97.2	104.2	104.8	-	57.2	56.4	59.7	60.0	-
Optical instruments and lenses .....	383	32.4	32.5	31.6	31.4	-	16.3	16.2	16.7	16.9	-
Medical instruments and supplies .....	384	165.1	166.5	175.7	176.8	-	99.7	101.0	107.1	107.6	-
Surgical and medical instruments .....	3841	82.1	83.0	86.1	86.3	-	47.4	48.1	49.8	49.7	-
Surgical appliances and supplies .....	3842	68.9	69.4	75.3	75.9	-	44.1	44.7	49.0	49.4	-
Ophthalmic goods .....	385	37.9	38.5	40.7	40.6	-	26.1	26.4	27.7	27.0	-
Photographic equipment and supplies .....	386	128.0	128.1	125.0	124.4	-	60.6	60.9	59.5	59.5	-
Watches, clocks, and watchcases .....	387	16.4	16.0	16.5	16.6	-	11.2	10.7	11.3	11.4	-
Miscellaneous manufacturing .....	39	366.8	369.9	383.0	385.9	384.4	263.2	266.2	277.5	280.6	280.5
Jewelry, silverware, and plated ware .....	391	52.8	52.3	52.6	52.9	-	37.2	36.9	36.5	36.3	-
Jewelry, precious metal .....	3911	35.4	35.1	35.1	35.3	-	25.1	24.7	24.3	24.1	-
Musical instruments .....	393	16.4	16.4	17.9	17.9	-	12.7	12.7	14.1	14.1	-
Toys and sporting goods .....	394	107.1	108.9	116.8	118.8	-	76.9	78.1	86.0	88.9	-
Dolls, games, toys, and children's vehicles .....	3942.4	55.6	57.6	58.0	58.3	-	37.5	39.1	40.7	42.0	-
Sporting and athletic goods, nec .....	3949	51.5	51.3	58.8	60.5	-	39.4	39.0	45.3	46.9	-
Pens, pencils, office, and art supplies .....	395	32.0	32.4	33.3	33.6	-	22.0	22.3	22.8	23.0	-
Costume jewelry and notions .....	396	36.4	37.4	35.9	35.9	-	27.7	28.7	27.2	27.1	-
Costume jewelry .....	3961	19.8	20.5	19.7	19.8	-	15.2	15.9	14.9	14.9	-
Miscellaneous manufactures .....	399	122.1	122.5	126.5	126.8	-	86.7	87.5	90.9	91.2	-
Signs and advertising displays .....	3993	45.9	46.2	49.6	50.0	-	32.0	32.4	35.0	35.2	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers <sup>1</sup>				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
<b>Nondurable goods</b> .....		7,576	7,630	7,867	7,898	7,926	5,303	5,350	5,544	5,572	5,602
Food and kindred products .....	20	1,556.9	1,575.6	1,575.7	1,582.3	1,596.4	1,058.7	1,075.2	1,076.2	1,083.0	1,095.8
Meat products .....	201	337.7	340.7	345.9	348.9	-	280.3	283.8	288.8	291.7	-
Meat packing plants .....	2011	140.1	141.2	144.6	145.2	-	113.1	114.4	118.4	119.1	-
Sausages and other prepared meats .....	2013	70.8	71.0	71.0	71.6	-	52.6	52.7	52.9	53.2	-
Poultry dressing plants .....	2016	110.2	111.4	113.0	114.8	-	100.1	101.6	102.3	104.2	-
Dairy products .....	202	161.9	164.2	160.2	162.0	-	92.1	94.0	92.4	94.1	-
Cheese, natural and processed .....	2022	37.1	37.9	36.0	36.7	-	28.2	28.9	27.4	28.1	-
Fluid milk .....	2026	88.4	88.6	87.2	87.7	-	40.4	40.7	41.2	41.6	-
Preserved fruits and vegetables .....	203	201.2	206.3	204.9	209.4	-	162.2	166.8	164.2	168.6	-
Canned specialties .....	2032	22.8	22.9	24.5	24.6	-	17.0	16.9	17.6	17.6	-
Canned fruits and vegetables .....	2033	67.1	69.3	63.0	66.2	-	51.9	54.0	48.2	51.6	-
Frozen fruits and vegetables .....	2037	42.0	44.7	43.6	44.6	-	35.8	38.3	37.8	38.8	-
Grain mill products .....	204	129.6	129.0	129.2	128.0	-	87.4	86.7	87.0	86.1	-
Flour and other grain mill products .....	2041	25.1	24.9	24.9	24.3	-	15.3	15.0	15.0	14.9	-
Prepared feeds, nec .....	2048	47.7	47.8	46.6	46.5	-	30.2	30.3	29.3	29.1	-
Bakery products .....	205	213.3	214.8	212.8	212.7	-	125.2	126.4	126.3	126.0	-
Bread, cake, and related products .....	2051	169.7	171.1	168.8	169.3	-	90.3	91.5	90.7	91.0	-
Cookies and crackers .....	2052	43.6	43.7	44.0	43.4	-	34.9	34.9	35.6	35.0	-
Sugar and confectionery products .....	206	92.6	94.6	96.4	94.6	-	70.5	72.3	72.5	71.1	-
Cane and beet sugar .....	2061-3	24.1	24.7	23.9	23.3	-	17.8	18.4	17.7	17.5	-
Confectionery products .....	2065	50.1	50.8	53.0	52.2	-	40.4	41.0	41.9	41.0	-
Fats and oils .....	207	39.1	39.2	40.2	39.5	-	29.1	29.1	30.0	29.2	-
Beverages .....	208	224.0	225.2	222.4	223.5	-	96.7	96.6	93.8	95.3	-
Malt beverages .....	2082	49.8	49.7	47.7	48.1	-	31.9	31.9	29.0	29.3	-
Bottled and canned soft drinks .....	2086	129.3	130.5	129.6	130.5	-	41.3	41.9	41.6	42.1	-
Misc. food and kindred products .....	209	157.5	161.6	163.7	163.7	-	115.2	119.5	121.2	120.9	-
Tobacco manufactures .....	21	64.8	64.2	63.6	62.4	62.2	48.8	48.3	47.1	46.0	45.7
Cigarettes .....	211	46.9	47.1	44.8	44.4	-	35.2	35.5	32.7	32.5	-
Textile mill products .....	22	731.8	736.4	763.9	765.9	763.7	629.2	634.2	661.8	663.9	662.0
Weaving mills, cotton .....	221	122.8	123.1	123.7	123.4	-	108.5	109.0	110.9	110.9	-
Weaving mills, synthetics .....	222	89.7	89.6	92.8	92.7	-	79.8	80.0	82.7	82.5	-
Weaving and finishing mills, wool .....	223	16.9	17.1	19.2	19.1	-	14.3	14.4	16.2	16.2	-
Narrow fabric mills .....	224	22.5	22.2	23.1	23.5	-	19.3	19.1	19.8	20.1	-
Knitting mills .....	225	200.4	202.9	209.0	210.7	-	172.4	175.1	182.2	183.6	-
Women's hosiery, except socks .....	2251	32.1	32.4	35.4	35.2	-	28.7	29.0	31.9	31.9	-
Hosiery, nec .....	2252	34.2	34.4	35.3	35.6	-	30.8	31.1	31.7	32.1	-
Knit outerwear mills .....	2253	61.4	62.3	62.5	63.5	-	52.0	53.0	53.7	54.5	-
Knit underwear mills .....	2254	29.4	29.7	31.0	31.1	-	24.9	25.2	26.8	26.7	-
Circular knit fabric mills .....	2257	24.8	25.2	25.4	25.5	-	20.9	21.2	21.7	21.9	-
Textile finishing, except wool .....	226	63.2	63.5	65.5	65.3	-	52.4	52.9	55.3	55.2	-
Finishing plants, cotton .....	2261	25.5	25.5	25.6	25.6	-	21.0	21.2	21.5	21.6	-
Finishing plants, synthetics .....	2262	23.3	23.5	24.1	24.0	-	19.3	19.5	20.3	20.2	-
Floor covering mills .....	227	47.6	48.0	52.3	52.7	-	37.6	37.9	41.9	42.4	-
Yarn and thread mills .....	228	110.7	111.5	114.6	114.8	-	99.2	99.9	102.1	102.4	-
Yarn mills, except wool .....	2281	76.2	77.0	78.4	78.7	-	69.0	69.7	70.6	70.9	-
Throwing and winding mills .....	2282	16.9	16.9	18.3	18.3	-	15.0	15.0	16.3	16.3	-
Miscellaneous textile goods .....	229	58.0	58.5	63.7	63.7	-	45.7	45.9	50.7	50.6	-
Apparel and other textile products .....	23	1,141.1	1,153.5	1,215.5	1,220.1	1,220.8	965.2	975.9	1,030.6	1,035.1	1,036.4
Men's and boys' suits and coats .....	231	68.5	70.1	72.8	72.6	-	59.7	61.1	63.6	63.6	-
Men's and boys' furnishings .....	232	317.0	322.8	343.3	347.1	-	271.2	276.1	295.2	298.8	-
Men's and boys' shirts and nightwear .....	2321	90.8	92.6	97.9	99.3	-	78.5	79.7	84.7	86.1	-
Men's and boys' separate trousers .....	2327	62.8	63.2	66.7	67.4	-	54.3	54.9	57.7	58.4	-
Men's and boys' work clothing .....	2328	94.4	97.2	104.2	105.3	-	79.8	82.3	88.8	89.6	-
Women's and misses' outerwear .....	233	385.6	384.5	401.1	401.8	-	327.1	325.9	339.0	339.8	-
Women's and misses' blouses and waists .....	2331	58.9	59.6	59.9	59.3	-	49.9	50.5	51.3	50.7	-
Women's and misses' dresses .....	2335	126.5	122.8	132.4	131.7	-	109.4	105.3	112.9	112.6	-
Women's and misses' suits and coats .....	2337	53.1	56.2	53.2	55.2	-	45.1	48.0	43.5	45.5	-
Women's and misses' outerwear, nec .....	2339	147.1	145.9	155.6	155.6	-	122.7	122.1	131.3	131.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers <sup>1</sup>				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>a</sup>	May 1984 <sup>a</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>a</sup>	May 1984 <sup>a</sup>
<b>Nondurable goods—Continued</b>											
<b>Apparel and other textile products—Continued</b>											
Women's and children's undergarments .....	234	81.7	82.3	89.1	88.8	-	68.9	69.5	75.3	75.0	-
Women's and children's underwear .....	2341	65.8	66.1	72.3	72.0	-	56.9	57.3	62.6	62.3	-
Brassieres and allied garments .....	2342	15.9	16.2	16.8	16.8	-	12.0	12.2	12.7	12.7	-
Children's outerwear .....	236	57.3	58.1	62.4	62.2	-	48.5	49.2	52.9	52.5	-
Children's dresses and blouses .....	2361	24.2	24.6	25.6	25.3	-	21.4	21.7	22.7	22.3	-
Misc. apparel and accessories .....	238	45.6	45.8	47.2	47.8	-	37.5	37.8	39.4	39.8	-
Misc. fabricated textile products .....	239	167.2	170.7	180.8	180.7	-	137.3	140.4	149.8	149.8	-
Curtains and draperies .....	2391	23.8	24.3	26.4	26.6	-	19.5	19.9	21.7	21.8	-
House furnishings, nec .....	2392	48.3	49.3	52.0	51.7	-	40.5	41.3	44.2	44.1	-
Automotive and apparel trimmings .....	2396	30.5	31.0	33.5	33.3	-	25.2	25.7	27.7	27.5	-
Paper and allied products .....	26	653.5	657.0	676.8	677.1	679.5	488.1	491.6	508.5	509.4	512.2
Paper and pulp mills .....	261,2,6	196.6	198.1	202.8	203.4	-	148.0	149.3	153.3	154.2	-
Paper mills, except building paper .....	262	171.6	172.7	177.0	177.5	-	127.6	128.7	132.4	133.1	-
Paperboard mills .....	263	58.6	58.5	59.1	58.2	-	44.7	44.8	45.3	44.6	-
Misc. converted paper products .....	264	211.1	211.9	220.0	220.4	-	153.7	154.4	160.6	160.7	-
Paper coating and glazing .....	2641	54.4	54.7	57.0	57.0	-	34.8	35.0	37.2	37.0	-
Envelopes .....	2642	24.4	24.2	25.7	25.6	-	18.9	18.7	20.0	20.0	-
Bags, except textile bags .....	2643	47.1	46.7	48.9	48.4	-	36.4	36.1	38.1	37.7	-
Paperboard containers and boxes .....	265	187.2	188.5	194.9	195.1	-	141.7	143.1	149.3	149.9	-
Folding paperboard boxes .....	2651	39.8	40.0	41.6	42.0	-	31.0	31.2	32.4	32.9	-
Corrugated and solid fiber boxes .....	2653	96.8	97.2	101.7	101.7	-	71.4	71.8	76.2	76.3	-
Sanitary food containers .....	2654	23.0	23.3	23.0	22.9	-	18.5	18.8	18.9	18.8	-
Printing and publishing .....	27	1,285.9	1,286.8	1,341.6	1,349.0	1,350.8	705.4	705.3	740.0	745.4	745.1
Newspapers .....	271	422.7	424.6	437.1	438.0	-	158.9	159.4	164.3	165.1	-
Periodicals .....	272	98.4	98.1	102.8	102.5	-	21.6	21.3	23.0	22.7	-
Books .....	273	100.2	99.1	101.7	103.0	-	50.7	49.9	51.5	52.6	-
Book publishing .....	2731	74.8	73.7	74.2	75.0	-	29.8	29.0	29.0	29.6	-
Book printing .....	2732	25.4	25.4	27.5	28.0	-	20.9	20.9	22.5	23.0	-
Miscellaneous publishing .....	274	53.8	53.3	55.0	55.6	-	29.5	29.0	29.7	29.8	-
Commercial printing .....	275	433.1	433.6	459.2	462.7	-	315.5	316.2	337.1	340.1	-
Commercial printing, letterpress .....	2751	148.9	149.1	156.8	159.7	-	110.6	110.6	116.7	119.2	-
Commercial printing, lithographic .....	2752	259.9	260.2	277.1	277.6	-	185.9	186.5	200.0	200.5	-
Manifold business forms .....	276	46.8	46.7	48.8	49.0	-	32.6	32.5	33.7	33.8	-
Blankbooks and bookbinding .....	278	63.3	63.9	67.3	68.1	-	50.9	51.5	54.1	54.4	-
Printing trade services .....	279	44.5	44.4	45.9	46.2	-	33.2	32.9	33.9	34.2	-
Chemicals and allied products .....	28	1,044.1	1,046.0	1,053.2	1,056.8	1,058.5	579.2	580.2	587.5	589.4	592.2
Industrial inorganic chemicals .....	281	155.2	155.3	155.4	155.8	-	79.5	79.6	79.1	79.1	-
Industrial inorganic chemicals, nec .....	2819	104.2	104.4	106.6	106.9	-	55.2	55.2	55.5	55.5	-
Plastics materials and synthetics .....	282	176.0	176.6	175.6	175.7	-	113.9	114.3	115.2	115.9	-
Plastics materials and resins .....	2821	73.5	73.7	75.4	75.4	-	42.4	42.6	44.5	44.8	-
Organic fibers, noncellulosic .....	2824	73.0	73.1	70.5	70.6	-	51.3	51.2	49.7	49.8	-
Drugs .....	283	198.6	199.3	199.5	200.6	-	97.1	97.2	96.5	95.7	-
Pharmaceutical preparations .....	2834	156.7	156.7	158.0	159.1	-	75.1	74.5	75.1	74.9	-
Soap, cleaners, and toilet goods .....	284	139.9	140.8	145.7	146.2	-	86.9	87.5	92.0	92.6	-
Soap and other detergents .....	2841	42.5	42.7	43.3	43.1	-	27.3	27.4	27.3	27.5	-
Toilet preparations .....	2844	60.4	61.1	63.9	64.5	-	39.4	40.0	43.4	43.5	-
Polishing, sanitation, and finishing preparations .....	2842,3	37.0	37.0	38.5	38.6	-	20.2	20.1	21.3	21.6	-
Paints and allied products .....	285	58.8	59.2	60.9	61.3	-	28.5	28.8	29.8	30.3	-
Industrial organic chemicals .....	286	163.7	162.9	162.2	162.0	-	84.6	84.1	82.7	82.5	-
Cyclic crudes and intermediates .....	2865	33.4	33.2	33.0	32.7	-	20.4	20.2	19.9	19.9	-
Gum, wood, and industrial organic chemicals, nec .....	2861,9	130.3	129.7	129.2	129.3	-	64.2	63.9	62.8	62.6	-
Agricultural chemicals .....	287	63.2	63.1	62.2	62.9	-	38.8	38.6	38.8	39.3	-
Miscellaneous chemical products .....	289	88.7	88.8	91.7	92.3	-	49.9	50.1	53.4	54.0	-
Petroleum and coal products .....	29	196.0	197.0	186.2	187.2	189.2	119.2	119.6	108.3	109.3	114.4
Petroleum refining .....	291	159.6	159.4	151.0	150.4	-	93.5	92.6	83.6	83.2	-
Paving and roofing materials .....	295	25.2	26.5	23.7	25.5	-	18.9	20.3	17.5	19.0	-

See footnotes at end of table.



**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers <sup>1</sup>				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
Rubber and misc. plastics products .....	30	696.0	705.7	785.1	790.0	797.8	538.3	546.4	612.6	617.3	624.9
Tires and inner tubes .....	301	94.8	95.1	98.8	100.0	-	69.2	69.2	69.1	70.8	-
Rubber and plastics footwear .....	302	17.3	17.6	17.5	17.7	-	14.6	14.9	14.8	15.1	-
Reclaimed rubber, and rubber and plastics hose and belting .....	303,4	19.0	19.7	23.5	23.5	-	13.2	13.7	16.6	16.6	-
Fabricated rubber products, nec .....	306	97.2	98.3	109.3	109.4	-	74.0	75.3	84.6	84.8	-
Miscellaneous plastics products .....	307	467.7	475.0	536.0	539.4	-	367.3	373.3	427.5	430.0	-
Leather and leather products .....	31	205.6	207.7	205.5	207.0	206.8	170.4	173.1	171.8	173.4	173.3
Leather tanning and finishing .....	311	18.9	19.2	18.3	18.4	-	15.7	16.0	15.2	15.3	-
Footwear, except rubber .....	314	127.4	129.0	124.2	124.5	-	107.8	110.0	105.6	106.2	-
Men's footwear, except athletic .....	3143	51.0	51.4	51.1	51.3	-	40.7	41.5	41.2	41.8	-
Women's footwear, except athletic .....	3144	48.4	49.6	47.5	47.5	-	42.9	44.1	42.0	41.9	-
Luggage .....	316	12.5	12.6	11.2	12.6	-	8.8	8.8	8.3	9.5	-
Handbags and personal leather goods .....	317	25.5	25.6	28.1	27.9	-	20.5	20.7	23.1	22.8	-
<b>Transportation and public utilities .....</b>		<b>4,958</b>	<b>5,000</b>	<b>5,055</b>	<b>5,096</b>	<b>5,142</b>	<b>4,081</b>	<b>4,121</b>	<b>4,152</b>	<b>4,195</b>	<b>4,238</b>
Transportation .....		2,693	2,733	2,793	2,837	2,875	-	-	-	-	-
Railroad transportation .....	40	375.7	384.4	366.2	372.2	-	-	-	-	-	-
Class I railroads <sup>2</sup> .....	4011	347.3	355.3	336.7	342.7	-	-	-	-	-	-
Local and interurban passenger transit .....	41	266.6	269.2	267.3	269.7	-	247.7	250.1	248.6	250.9	-
Local and suburban transportation .....	411	78.5	79.1	80.3	81.2	-	72.1	72.5	73.7	74.6	-
Taxicabs .....	412	39.7	39.5	38.6	38.4	-	-	-	-	-	-
Intercity highway transportation .....	413	36.9	37.9	36.4	36.9	-	33.7	34.6	33.8	34.2	-
School buses .....	415	92.4	92.8	92.4	92.8	-	-	-	-	-	-
Trucking and warehousing .....	42	1,168.2	1,187.2	1,245.5	1,260.9	-	1,011.7	1,029.7	1,082.5	1,096.4	-
Trucking and trucking terminals .....	421,3	1,087.6	1,106.8	1,160.8	1,178.1	-	944.7	963.0	1,011.8	1,027.6	-
Public warehousing .....	422	80.6	80.4	84.7	82.8	-	67.0	66.7	70.7	68.8	-
Water transportation .....	44	190.4	193.0	194.2	202.9	-	-	-	-	-	-
Local water transportation .....	445	27.4	28.3	27.9	28.7	-	-	-	-	-	-
Water transportation services .....	446	98.7	99.1	101.5	106.6	-	-	-	-	-	-
Transportation by air .....	45	447.0	450.3	462.2	468.1	-	-	-	-	-	-
Air transportation .....	451,2	394.9	398.0	404.9	410.1	-	-	-	-	-	-
Air transportation services .....	458	52.1	52.3	57.3	58.0	-	-	-	-	-	-
Pipe lines, except natural gas .....	46	20.5	20.8	20.8	20.9	-	14.5	14.5	14.6	14.8	-
Transportation services .....	47	224.4	228.0	237.2	242.7	-	-	-	-	-	-
Freight forwarding .....	471	52.4	53.5	57.5	59.2	-	-	-	-	-	-
Communication and public utilities .....		2,265	2,267	2,262	2,259	2,267	-	-	-	-	-
Communication .....	48	1,386.5	1,387.6	1,382.8	1,378.8	-	1,055.5	1,055.1	1,043.4	1,042.7	-
Telephone communication .....	481	1,021.8	1,020.7	991.0	984.5	-	761.8	761.2	735.1	731.8	-
Radio and television broadcasting .....	483	223.1	224.5	227.4	228.0	-	178.8	179.5	183.2	184.0	-
Radio broadcasting .....	4832	109.4	109.6	110.2	110.5	-	-	-	-	-	-
Television broadcasting .....	4833	113.7	114.9	117.2	117.5	-	-	-	-	-	-
Electric, gas, and sanitary services .....	49	878.6	879.8	878.7	880.5	-	707.3	710.1	699.9	701.3	-
Electric services .....	491	429.4	430.8	431.6	432.5	-	339.8	341.9	338.0	338.7	-
Gas production and distribution .....	492	172.3	173.0	169.5	169.5	-	137.7	138.3	134.2	134.3	-
Combination utility services .....	493	201.1	201.2	200.6	200.5	-	164.4	164.5	161.2	161.1	-
Sanitary services .....	495	51.9	51.0	54.0	54.7	-	46.0	45.7	47.8	48.3	-
<b>Wholesale trade .....</b>		<b>5,181</b>	<b>5,214</b>	<b>5,421</b>	<b>5,450</b>	<b>5,489</b>	<b>4,145</b>	<b>4,177</b>	<b>4,355</b>	<b>4,379</b>	<b>4,417</b>
Durable goods .....	50	3,020	3,034	3,192	3,212	3,242	2,388	2,404	2,548	2,563	-
Motor vehicles and automotive equipment .....	501	394.1	395.9	410.7	412.5	-	303.4	306.3	326.7	329.0	-
Automobiles and other motor vehicles .....	5012	94.4	95.1	100.1	100.8	-	-	-	-	-	-
Automotive parts and supplies .....	5013	267.8	268.3	277.3	278.2	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers <sup>1</sup>				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
<b>Wholesale trade—Continued</b>											
<b>Durable goods—Continued</b>											
Furniture and home furnishings .....	502	113.2	113.5	117.8	118.5	-	93.0	93.5	97.9	98.7	-
Furniture .....	5021	47.5	47.9	49.5	50.3	-	-	-	-	-	-
Home furnishings .....	5023	65.7	65.6	68.3	68.2	-	-	-	-	-	-
Lumber and construction materials .....	503	179.7	183.7	196.3	199.0	-	146.6	150.2	162.6	164.8	-
Lumber, plywood, and millwork .....	5031	80.6	81.9	91.4	92.8	-	-	-	-	-	-
Construction materials, nec .....	5039	99.1	101.8	104.9	106.2	-	-	-	-	-	-
Sporting goods, toys, and hobby goods .....	504	70.9	71.0	73.2	73.2	-	57.1	57.2	60.6	60.8	-
Metals and minerals, except petroleum .....	505	126.9	127.5	130.1	131.1	-	100.5	101.3	104.6	105.9	-
Electrical goods .....	506	431.4	434.2	459.1	460.5	-	340.9	343.6	365.1	364.9	-
Electrical apparatus and equipment .....	5063	232.8	234.2	242.1	242.0	-	-	-	-	-	-
Electrical appliances, TV and radios .....	5064	71.1	70.5	73.8	73.7	-	-	-	-	-	-
Electronic parts and equipment .....	5065	127.5	129.5	143.2	144.8	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	230.4	230.7	242.5	243.7	-	184.7	185.3	196.7	197.5	-
Hardware .....	5072	78.7	79.4	82.0	82.6	-	-	-	-	-	-
Plumbing and hydronic heating supplies .....	5074	94.7	94.6	101.0	101.3	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	1,296.4	1,299.0	1,369.9	1,380.3	-	1,017.1	1,019.6	1,073.9	1,080.6	-
Commercial machines and equipment .....	5081	436.9	437.7	474.1	477.6	-	-	-	-	-	-
Construction and mining machinery .....	5082	71.7	72.0	76.2	77.4	-	-	-	-	-	-
Farm machinery and equipment .....	5083	134.3	135.3	135.5	137.4	-	-	-	-	-	-
Industrial machinery and equipment .....	5084	290.3	289.2	301.7	304.1	-	-	-	-	-	-
Industrial supplies .....	5085	122.9	123.8	129.7	130.2	-	-	-	-	-	-
Professional equipment and supplies .....	5086	146.9	146.7	154.2	154.3	-	-	-	-	-	-
Miscellaneous durable goods .....	509	177.3	178.4	192.2	193.3	-	145.1	146.9	159.4	160.4	-
Scrap and waste materials .....	5093	81.1	82.0	90.9	91.9	-	-	-	-	-	-
<b>Nondurable goods .....</b>	<b>51</b>	<b>2,161</b>	<b>2,180</b>	<b>2,229</b>	<b>2,238</b>	<b>2,247</b>	<b>1,757</b>	<b>1,773</b>	<b>1,807</b>	<b>1,816</b>	<b>-</b>
Paper and paper products .....	511	157.4	159.0	169.7	169.6	-	126.9	127.8	138.5	138.4	-
Drugs, proprietaries, and sundries .....	512	154.2	153.9	156.2	156.2	-	129.3	128.7	129.2	129.5	-
Apparel, piece goods, and notions .....	513	167.9	168.0	174.8	175.9	-	127.3	127.4	128.8	129.6	-
Groceries and related products .....	514	672.6	679.7	701.2	705.0	-	578.7	585.6	602.7	606.6	-
Groceries, general line .....	5141	213.5	215.1	225.0	226.2	-	-	-	-	-	-
Meats and meat products .....	5147	62.1	62.7	64.9	64.7	-	-	-	-	-	-
Fresh fruits and vegetables .....	5148	87.7	89.8	88.6	89.6	-	-	-	-	-	-
Chemicals and allied products .....	516	122.1	122.1	125.3	125.5	-	84.7	83.9	86.7	86.9	-
Petroleum and petroleum products .....	517	210.6	211.8	208.6	208.2	-	155.3	156.8	155.0	154.9	-
Petroleum bulk stations and terminals .....	5171	85.7	86.0	83.0	83.0	-	-	-	-	-	-
Petroleum products, nec .....	5172	124.9	125.8	125.6	125.2	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	144.4	146.9	148.7	149.3	-	121.4	123.7	124.3	124.7	-
Beer and ale .....	5181	88.9	90.7	92.1	92.6	-	-	-	-	-	-
Wines and distilled beverages .....	5182	55.5	56.2	56.6	56.7	-	-	-	-	-	-
Miscellaneous nondurable goods .....	519	393.9	400.2	400.2	403.3	-	321.1	326.6	323.5	326.2	-
Farm supplies .....	5191	152.1	156.4	149.2	152.3	-	-	-	-	-	-
<b>Retail trade .....</b>	<b>52</b>	<b>15,215</b>	<b>15,427</b>	<b>15,629</b>	<b>15,917</b>	<b>16,117</b>	<b>13,636</b>	<b>13,846</b>	<b>13,968</b>	<b>14,237</b>	<b>14,412</b>
Building materials and garden supplies .....	52	602.6	620.0	619.7	640.3	-	507.4	523.8	521.2	540.9	-
Lumber and other building materials .....	521	309.3	318.9	328.5	335.0	-	261.4	270.3	278.1	284.6	-
Hardware stores .....	525	145.2	148.2	150.3	152.0	-	122.7	125.7	126.9	128.3	-
General merchandise stores .....	53	2,062.5	2,073.0	2,140.5	2,158.0	2,179.5	1,923.3	1,935.4	2,000.9	2,014.4	-
Department stores .....	531	1,746.1	1,750.9	1,825.4	1,837.9	-	1,639.8	1,646.0	1,720.1	1,729.0	-
Variety stores .....	533	203.5	206.4	199.9	202.5	-	187.1	190.0	181.9	184.2	-
Misc. general merchandise stores .....	539	112.9	115.7	115.2	117.6	-	96.4	99.4	98.9	101.2	-
Food stores .....	54	2,518.4	2,539.2	2,592.2	2,610.4	2,620.7	2,334.2	2,355.7	2,407.4	2,428.3	-
Grocery stores .....	541	2,206.6	2,224.8	2,276.0	2,287.2	-	2,055.3	2,073.4	2,123.1	2,136.7	-
Meat markets and freezer provisioners .....	542	58.5	58.6	56.6	56.9	-	-	-	-	-	-
Dairy products stores .....	545	36.7	36.7	37.1	37.7	-	-	-	-	-	-
Retail bakeries .....	546	138.2	139.8	144.5	148.0	-	125.4	127.4	131.4	135.1	-
Automotive dealers and service stations .....	55	1,633.4	1,651.1	1,722.0	1,736.4	1,756.3	1,373.9	1,390.0	1,443.2	1,455.9	-
New and used car dealers .....	551,2	745.5	751.3	803.5	808.5	-	612.8	617.6	662.2	666.7	-
Auto and home supply stores .....	553	266.3	270.0	273.0	279.2	-	229.5	233.3	228.8	234.2	-
Gasoline service stations .....	554	545.9	552.0	566.1	565.6	-	471.0	476.1	489.7	488.9	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers <sup>1</sup>				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
<b>Retail trade—Continued</b>											
Apparel and accessory stores .....	56	937.2	940.8	944.1	961.0	-	791.8	794.3	793.1	808.9	-
Men's and boys' clothing and furnishings .....	561	113.6	114.4	114.0	115.2	-	95.5	96.3	94.5	95.6	-
Women's ready-to-wear stores .....	562	335.5	340.4	340.8	347.2	-	286.4	290.1	288.7	294.7	-
Family clothing stores .....	565	172.0	173.4	174.0	175.7	-	149.4	150.6	150.9	152.4	-
Shoe stores .....	566	210.5	204.8	206.6	213.3	-	171.6	166.3	167.7	173.6	-
Furniture and home furnishings stores .....	57	580.9	586.2	638.0	640.8	-	482.8	487.4	532.9	535.2	-
Furniture and home furnishings stores .....	571	346.1	350.4	374.8	376.4	-	286.6	290.8	312.2	313.8	-
Furniture stores .....	5712	226.3	229.1	242.8	243.3	-	-	-	-	-	-
Household appliance stores .....	572	75.4	76.3	78.0	77.8	-	64.5	65.1	66.4	66.5	-
Radio, television, and music stores .....	573	159.4	159.5	185.2	186.6	-	131.7	131.5	154.3	154.9	-
Radio and television stores .....	5732	103.4	104.1	125.6	126.3	-	-	-	-	-	-
Music stores .....	5733	56.0	55.4	59.6	60.3	-	-	-	-	-	-
Eating and drinking places .....	58	4,954.3	5,078.1	4,966.4	5,152.6	5,261.2	4,556.8	4,679.7	4,539.8	4,716.6	-
Miscellaneous retail .....	59	1,925.3	1,939.0	2,005.9	2,017.0	-	1,666.1	1,679.4	1,729.5	1,736.5	-
Drug stores and proprietary stores .....	591	498.0	497.5	519.4	520.8	-	442.6	441.3	456.2	457.0	-
Liquor stores .....	592	125.3	125.3	120.6	121.3	-	-	-	-	-	-
Miscellaneous shopping goods stores .....	594	613.7	617.2	645.3	644.6	-	524.3	527.9	550.6	549.1	-
Sporting goods and bicycle shops .....	5941	100.6	99.0	109.4	106.5	-	-	-	-	-	-
Book stores .....	5942	59.1	58.9	66.6	67.2	-	-	-	-	-	-
Stationery stores .....	5943	63.1	63.4	67.6	67.1	-	-	-	-	-	-
Jewelry stores .....	5944	135.6	137.3	133.7	133.7	-	-	-	-	-	-
Gift, novelty, and souvenir shops .....	5947	109.4	110.5	112.6	113.7	-	-	-	-	-	-
Sewing, needlework, and piece goods .....	5949	62.8	62.5	66.0	67.2	-	-	-	-	-	-
Nonstore retailers .....	596	240.3	239.3	256.0	256.4	-	219.8	219.1	233.1	233.3	-
Mail order houses .....	5961	116.0	116.1	118.8	118.1	-	-	-	-	-	-
Merchandising machine operators .....	5962	76.6	76.8	82.5	82.6	-	-	-	-	-	-
Fuel and ice dealers .....	598	100.7	99.3	107.7	105.3	-	83.5	82.1	89.5	87.1	-
Retail stores, nec .....	599	282.7	295.0	286.0	296.4	-	235.4	247.9	238.1	247.0	-
<b>Finance, insurance, and real estate<sup>3</sup></b> .....		5,404	5,441	5,565	5,594	5,628	4,014	4,048	4,128	4,152	4,184
Finance .....		2,702	2,717	2,816	2,822	2,832	-	-	-	-	-
Banking .....	60	1,652.5	1,655.2	1,667.7	1,669.7	-	1,232.2	1,234.7	1,238.9	1,240.6	-
Commercial and stock savings banks .....	602	1,500.3	1,501.9	1,516.6	1,518.2	-	1,113.6	1,115.4	1,119.1	1,120.7	-
State banks, Federal Reserve .....	6022	330.2	330.6	335.3	335.3	-	-	-	-	-	-
State banks, not Federal Reserve .....	6023,4	376.1	377.5	381.0	381.2	-	-	-	-	-	-
Mutual savings banks .....	603	73.7	74.3	77.2	77.3	-	-	-	-	-	-
Credit agencies other than banks .....	61	619.2	624.2	668.7	670.6	-	470.8	474.4	508.5	510.1	-
Savings and loan associations .....	612	287.0	289.8	308.1	309.1	-	221.5	223.4	237.6	237.7	-
Federal savings and loan associations .....	6122	164.5	166.5	178.3	178.9	-	-	-	-	-	-
State associations, insured .....	6123	114.0	114.7	120.7	121.1	-	-	-	-	-	-
Personal credit institutions .....	614	196.3	196.8	209.1	208.8	-	149.5	150.0	159.6	160.1	-
Business credit institutions .....	615	37.3	36.8	36.6	36.9	-	-	-	-	-	-
Mortgage bankers and brokers .....	616	75.8	78.0	91.2	92.2	-	-	-	-	-	-
Security, commodity brokers, and services .....	62	295.9	302.0	338.1	340.0	-	-	-	-	-	-
Security brokers and dealers .....	621	239.5	245.6	276.5	277.8	-	-	-	-	-	-
Holding and other investment offices .....	67	134.1	135.1	141.9	141.5	-	-	-	-	-	-
Insurance .....		1,720	1,718	1,740	1,740	1,743	-	-	-	-	-
Insurance carriers .....	63	1,233.2	1,232.8	1,242.6	1,241.0	-	831.0	830.3	838.9	838.4	-
Life insurance .....	631	544.0	543.5	540.0	537.1	-	327.0	325.5	325.6	323.1	-
Medical service and health insurance .....	632	143.4	143.3	151.1	151.5	-	114.1	114.1	120.5	121.4	-
Fire, marine, and casualty insurance .....	633	473.2	472.3	470.8	470.8	-	332.2	332.1	328.3	328.4	-
Title insurance .....	636	39.2	40.2	44.6	45.3	-	-	-	-	-	-
Insurance agents, brokers, and service .....	64	487.0	485.3	497.5	499.2	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers <sup>1</sup>				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
<b>Finance, insurance, and real estate—Continued</b>											
Real estate, and combined real estate, insurance, etc .....		982	1,006	1,008	1,032	1,053	-	-	-	-	-
Real estate .....	65	965.9	990.6	992.5	1,016.1	-	-	-	-	-	
Real estate operators and lessors .....	651	470.9	478.1	474.8	484.5	-	-	-	-	-	
Real estate agents and managers .....	653	356.9	362.4	377.6	382.9	-	-	-	-	-	
Subdividers and developers .....	655	117.5	128.7	114.1	122.2	-	-	-	-	-	
Combined real estate, insurance, etc .....	66	15.9	15.7	15.9	16.1	-	-	-	-	-	
<b>Services .....</b>		<b>19,493</b>	<b>19,599</b>	<b>20,276</b>	<b>20,490</b>	<b>20,620</b>	<b>17,274</b>	<b>17,371</b>	<b>17,948</b>	<b>18,147</b>	<b>18,255</b>
Hotels and other lodging places .....	70	1,141.4	1,167.5	1,177.5	1,227.1	-	-	-	-	-	
Hotels, motels, and tourist courts .....	701	1,109.9	1,131.3	1,148.7	1,194.8	-	1,011.8	1,030.2	1,041.8	1,083.1	
Personal services .....	72	975.3	941.1	999.7	1,009.8	-	-	-	-	-	
Laundry, cleaning, and garment services .....	721	347.0	349.0	352.2	355.2	-	307.7	309.7	313.9	316.8	
Photographic studios, portrait .....	722	48.1	49.0	52.8	52.4	-	-	-	-	-	
Beauty shops .....	723	293.2	296.6	305.8	310.5	-	271.5	274.0	278.6	283.5	
Funeral service and crematories .....	726	72.1	72.0	73.4	73.7	-	-	-	-	-	
Business services .....	73	3,414.0	3,455.4	3,836.3	3,871.8	3,954.4	2,956.9	2,994.8	3,341.3	3,371.3	
Advertising .....	731	166.4	166.6	174.9	175.1	-	126.5	125.8	131.7	132.3	
Advertising agencies .....	7311	125.0	125.3	133.5	133.8	-	-	-	-	-	
Credit reporting and collection .....	732	75.1	75.5	77.4	78.4	-	-	-	-	-	
Mailing, reproduction, and stenographic .....	733	139.3	139.5	154.6	153.6	-	-	-	-	-	
Services to buildings .....	734	537.5	548.8	574.0	581.4	-	488.2	498.2	522.8	529.8	
Personnel supply services .....	736	588.1	602.5	764.8	788.1	-	-	-	-	-	
Employment agencies .....	7361	124.9	124.5	157.8	163.3	-	-	-	-	-	
Temporary help supply services .....	7362	433.4	447.5	572.8	589.8	-	-	-	-	-	
Computer and data processing services .....	737	404.3	407.3	459.6	467.6	-	340.0	340.8	386.7	394.8	
Computer programming and software .....	7372	131.4	132.0	151.2	152.6	-	-	-	-	-	
Data processing services .....	7374	213.7	213.9	240.4	246.2	-	-	-	-	-	
Miscellaneous business services .....	739	1,495.6	1,507.5	1,623.3	1,619.6	-	-	-	-	-	
Research development laboratories, nec .....	7391	169.4	170.2	175.4	176.3	-	-	-	-	-	
Management and public relations .....	7392	390.7	392.7	431.9	429.6	-	-	-	-	-	
Detective and protective services .....	7393	352.0	356.7	374.4	376.2	-	-	-	-	-	
Equipment rental and leasing .....	7394	127.9	129.7	138.7	139.1	-	-	-	-	-	
Photofinishing laboratories .....	7395	72.8	75.1	73.6	74.3	-	-	-	-	-	
Auto repair, services, and garages .....	75	602.2	610.9	652.1	657.6	-	506.0	513.9	551.7	556.6	
Automotive rentals, without drivers .....	751	119.3	121.5	130.0	131.6	-	-	-	-	-	
Automotive repair shops .....	753	375.5	380.4	398.6	403.1	-	310.1	314.9	332.8	336.5	
Miscellaneous repair services .....	76	277.7	278.5	295.4	297.7	-	227.6	229.4	246.2	248.1	
Electrical repair shops .....	762	86.1	86.4	86.0	86.2	-	-	-	-	-	
Motion pictures .....	78	212.4	213.1	212.1	213.7	-	182.9	184.4	183.4	184.1	
Motion picture production and services .....	781	95.3	89.2	103.1	98.8	-	79.6	74.6	87.1	82.5	
Motion picture theaters .....	783	106.6	113.4	98.5	104.4	-	-	-	-	-	
Amusement and recreation services .....	79	819.8	868.9	780.0	832.9	-	744.5	796.3	699.1	749.6	
Health services .....	80	5,936.4	5,955.9	6,033.9	6,043.6	6,050.9	5,323.9	5,341.9	5,403.7	5,413.8	
Offices of physicians .....	801	854.0	859.3	887.6	893.2	-	718.9	723.6	744.4	750.4	
Offices of dentists .....	802	402.3	405.2	423.2	428.5	-	355.2	357.9	375.0	380.3	
Nursing and personal care facilities .....	805	1,090.1	1,096.7	1,131.9	1,135.8	-	987.3	993.8	1,022.5	1,026.5	
Skilled nursing care facilities .....	8051	694.8	698.8	725.5	726.8	-	-	-	-	-	
Nursing and personal care, nec .....	8059	395.3	397.9	406.4	409.0	-	-	-	-	-	
Hospitals .....	806	3,027.7	3,027.3	3,012.4	3,003.8	-	2,777.1	2,777.7	2,752.7	2,744.7	
General medical and surgical hospitals .....	8062	2,865.8	2,864.7	2,846.4	2,837.7	-	-	-	-	-	
Psychiatric hospitals .....	8063	47.7	48.3	49.0	49.2	-	-	-	-	-	
Specialty hospitals, excluding psychiatric .....	8069	114.2	114.3	117.0	116.9	-	-	-	-	-	
Medical and dental laboratories .....	807	109.5	109.9	110.0	109.0	-	-	-	-	-	
Outpatient care facilities .....	808	169.8	171.2	185.6	187.8	-	-	-	-	-	

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers <sup>1</sup>				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
<b>Services—Continued</b>											
Legal services .....	81	586.8	587.5	628.2	631.1	-	495.8	495.7	530.2	533.8	-
Educational services .....	82	1,294.9	1,255.4	1,304.4	1,303.0	-	-	-	-	-	-
Elementary and secondary schools .....	821	352.2	354.7	346.5	348.3	-	-	-	-	-	-
Colleges and universities .....	822	822.5	781.3	830.2	828.5	-	-	-	-	-	-
Correspondence and vocational schools .....	824	55.2	54.8	60.4	59.5	-	-	-	-	-	-
Social services .....	83	1,201.4	1,216.1	1,286.4	1,294.3	-	-	-	-	-	-
Individual and family services .....	832	243.5	247.9	282.3	286.3	-	-	-	-	-	-
Job training and related services .....	833	187.2	190.1	202.4	202.6	-	-	-	-	-	-
Residential care .....	836	245.4	247.3	257.4	259.1	-	-	-	-	-	-
Museums, botanical and zoological gardens .....	84	36.2	37.9	37.5	39.0	-	-	-	-	-	-
Membership organizations .....	86	1,512.9	1,513.0	1,503.8	1,502.9	-	-	-	-	-	-
Business associations .....	861	84.3	83.9	86.7	86.3	-	-	-	-	-	-
Labor organizations .....	863	140.2	135.8	136.9	136.1	-	-	-	-	-	-
Civic and social associations .....	864	307.5	313.4	318.0	319.3	-	-	-	-	-	-
Miscellaneous services .....	89	1,055.5	1,048.6	1,111.8	1,112.1	-	865.8	859.4	914.9	916.1	-
Engineering and architectural services .....	891	558.3	563.8	589.1	594.4	-	460.0	466.2	492.2	497.8	-
Noncommercial research organizations .....	892	106.8	107.0	108.8	108.6	-	-	-	-	-	-
Accounting, auditing, and bookkeeping .....	893	369.1	356.8	392.9	388.2	-	298.4	286.5	314.5	310.0	-
<b>Government .....</b>		<b>16,134</b>	<b>16,171</b>	<b>16,204</b>	<b>16,218</b>	<b>16,218</b>	-	-	-	-	-
<b>Federal Government<sup>4</sup> .....</b>		<b>2,735</b>	<b>2,756</b>	<b>2,756</b>	<b>2,767</b>	<b>2,770</b>	-	-	-	-	-
Executive, by agency <sup>4</sup> .....		2,680.0	2,700.1	2,700.9	-	-	-	-	-	-	-
Department of Defense .....		939.9	950.8	951.2	-	-	-	-	-	-	-
Postal Service .....		658.4	658.9	670.3	-	-	-	-	-	-	-
Other executive agencies .....		1,081.7	1,090.4	1,079.4	-	-	-	-	-	-	-
Legislative .....		39.2	39.5	38.9	-	-	-	-	-	-	-
Judicial .....		16.0	16.1	16.1	-	-	-	-	-	-	-
<b>Federal government, by industry:</b>											
Manufacturing activities .....		135.9	136.9	136.7	135.3	-	-	-	-	-	-
Shipbuilding and repairing .....	3731	83.8	84.1	82.5	82.6	-	-	-	-	-	-
Transportation and public utilities, except Postal Service .....		41.6	41.6	37.7	38.0	-	-	-	-	-	-
Services .....		402.3	405.8	400.0	401.1	-	-	-	-	-	-
Hospitals .....	806	236.5	236.3	238.6	238.4	-	-	-	-	-	-
State government .....		3,745	3,701	3,785	3,785	3,753	-	-	-	-	-
Hospitals .....	806	479.9	471.9	469.0	468.2	-	-	-	-	-	-
Education .....	82	1,542.5	1,505.7	1,595.4	1,593.9	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions .....		1,122.9	1,125.8	1,130.3	1,132.0	-	-	-	-	-	-
Local government .....		9,654.2	9,713.8	9,662.2	9,666.0	9,695.0	-	-	-	-	-
Transportation and public utilities .....		487.3	488.2	494.3	494.8	-	-	-	-	-	-
Hospitals .....	806	645.3	644.6	635.1	632.6	-	-	-	-	-	-
Education .....	82	5,437.3	5,459.9	5,447.6	5,442.9	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions .....		2,791.8	2,819.8	2,804.1	2,811.5	-	-	-	-	-	-

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

<sup>2</sup> Beginning in 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 are excluded from the nonsupervisory count for all series in this division.

<sup>4</sup> Prepared by the Office of Personnel Management. Data relate to civilian employment only and exclude the Central Intelligence Agency and the National Security Agency.

- Data not available.

<sup>P</sup> = preliminary.

NOTE: Data in this table have been revised to reflect the March 1983 benchmarks and differ from data previously published. See the article in this issue for additional information.

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES  
NOT SEASONALLY ADJUSTED**

**B-3. Women employees on nonagricultural payrolls by major industry and manufacturing group**

(In thousands)

Industry	Feb. 1983	Mar. 1983	Jan. 1984	Feb. 1984	Mar. 1984
<b>Total</b> .....	38,945	39,225	40,590	40,862	41,155
<b>Total private</b> .....	31,169	31,401	32,785	32,895	33,143
<b>Goods-producing</b> .....	6,253	6,283	6,673	6,741	6,791
<b>Mining</b> .....	120	119	115	116	116
<b>Construction</b> .....	371	374	397	398	402
<b>Manufacturing</b> .....	5,762	5,790	6,161	6,227	6,273
<b>Durable goods</b> .....	2,688	2,707	2,944	2,979	3,017
Lumber and wood products .....	89	90	101	102	104
Furniture and fixtures .....	128	130	142	144	144
Stone, clay, and glass products .....	105	107	113	115	116
Primary metal industries .....	94	95	102	103	104
Fabricated metal products .....	288	291	314	318	321
Machinery, except electrical .....	439	438	468	473	478
Electrical and electronic equipment .....	814	820	915	927	941
Transportation equipment .....	280	283	316	321	326
Instruments and related products .....	292	291	305	307	309
Miscellaneous manufacturing .....	160	163	168	172	175
<b>Nondurable goods</b> .....	3,074	3,083	3,217	3,248	3,256
Food and kindred products .....	466	464	478	476	473
Tobacco manufactures .....	24	22	24	23	22
Textile mill products .....	342	345	361	362	363
Apparel and other textile products .....	921	921	958	979	983
Paper and allied products .....	148	149	155	156	156
Printing and publishing .....	519	522	546	549	554
Chemicals and allied products .....	269	271	275	277	278
Petroleum and coal products .....	30	30	30	30	30
Rubber and misc. plastics products .....	236	239	269	274	277
Leather and leather products .....	120	121	122	123	121
<b>Service-producing</b> .....	32,692	32,942	33,917	34,121	34,364
<b>Transportation and public utilities</b> .....	1,323	1,327	1,367	1,368	1,372
<b>Wholesale trade</b> .....	1,408	1,414	1,498	1,508	1,521
<b>Retail trade</b> .....	7,500	7,562	7,987	7,861	7,926
<b>Finance, insurance, and real estate</b> .....	3,210	3,225	3,340	3,350	3,364
<b>Services</b> .....	11,475	11,590	11,920	12,067	12,169
<b>Government</b> .....	7,776	7,824	7,805	7,967	8,012
Federal .....	887	899	950	954	958
State .....	1,625	1,625	1,621	1,680	1,694
Local .....	5,264	5,301	5,234	5,333	5,360

NOTE: Data in this table have been revised to reflect March 1983 benchmarks and differ from data previously published. See the article in this issue for additional information.

**ESTABLISHMENT DATA  
EMPLOYMENT  
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1983								1984				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>	May <sup>P</sup>
<b>Total</b> .....	89,578	89,927	90,274	89,918	91,018	91,345	91,688	92,026	92,391	92,846	93,058	93,456	93,688
<b>Total private</b> .....	73,730	74,091	74,452	74,110	75,083	75,481	75,814	76,157	76,533	76,971	77,185	77,551	77,798
<b>Goods-producing</b> .....	23,087	23,241	23,414	23,532	23,669	23,895	24,058	24,198	24,383	24,577	24,595	24,763	24,856
<b>Mining</b> .....	940	939	946	950	952	965	967	969	975	978	978	985	993
Oil and gas extraction .....	589	583	590	590	594	600	603	607	608	607	607	613	619
<b>Construction</b> .....	3,849	3,911	3,947	3,985	4,019	4,044	4,073	4,086	4,154	4,226	4,151	4,247	4,306
General building contractors .....	986	1,011	1,024	1,037	1,043	1,053	1,064	1,077	1,100	1,111	1,099	1,109	1,129
<b>Manufacturing</b> .....	18,298	18,391	18,521	18,597	18,698	18,886	19,018	19,143	19,254	19,373	19,466	19,531	19,557
<b>Durable goods</b> .....	10,623	10,686	10,781	10,846	10,923	11,071	11,170	11,266	11,343	11,440	11,513	11,553	11,590
Lumber and wood products .....	643	657	665	675	680	690	695	698	702	706	712	714	712
Furniture and fixtures .....	441	445	454	453	456	462	467	470	475	480	483	482	484
Stone, clay, and glass products .....	567	570	573	578	581	587	589	592	595	604	606	605	605
Primary metal industries .....	827	830	838	840	849	863	869	877	871	877	877	880	887
Blast furnaces and basic steel products .....	341	340	344	344	346	351	351	352	347	348	347	346	347
Fabricated metal products .....	1,355	1,362	1,369	1,384	1,389	1,408	1,420	1,431	1,440	1,447	1,456	1,460	1,467
Machinery, except electrical .....	2,014	2,020	2,039	2,051	2,058	2,077	2,106	2,122	2,137	2,151	2,166	2,189	2,199
Electrical and electronic equipment .....	1,989	2,006	2,024	2,022	2,062	2,086	2,109	2,132	2,152	2,175	2,202	2,213	2,229
Transportation equipment .....	1,727	1,736	1,757	1,776	1,780	1,820	1,832	1,855	1,876	1,898	1,905	1,903	1,901
Motor vehicles and equipment .....	732	741	756	779	783	810	823	843	858	865	863	856	847
Instruments and related products .....	690	689	690	694	698	702	705	707	711	715	718	719	721
Miscellaneous manufacturing .....	370	371	372	373	370	376	378	382	384	387	388	388	385
<b>Nondurable goods</b> .....	7,675	7,705	7,740	7,751	7,775	7,815	7,848	7,877	7,911	7,933	7,953	7,978	7,967
Food and kindred products .....	1,621	1,625	1,626	1,621	1,624	1,624	1,629	1,631	1,638	1,637	1,638	1,647	1,641
Tobacco manufactures .....	70	69	69	66	68	68	66	67	66	65	66	67	67
Textile mill products .....	736	743	745	751	753	758	760	762	768	767	769	767	763
Apparel and other textile products .....	1,149	1,156	1,171	1,170	1,174	1,186	1,195	1,202	1,207	1,213	1,218	1,225	1,216
Paper and allied products .....	658	659	661	663	666	669	671	675	676	680	680	680	681
Printing and publishing .....	1,288	1,294	1,297	1,302	1,305	1,311	1,317	1,321	1,328	1,333	1,339	1,348	1,352
Chemicals and allied products .....	1,045	1,045	1,046	1,046	1,047	1,049	1,050	1,052	1,053	1,054	1,054	1,058	1,057
Petroleum and coal products .....	197	196	195	194	194	192	192	191	191	190	190	189	189
Rubber and misc. plastics products .....	704	712	723	730	735	748	758	766	774	784	790	789	795
Leather and leather products .....	207	206	207	208	209	210	210	210	210	210	209	208	206
<b>Service-producing</b> .....	66,491	66,686	66,860	66,386	67,349	67,450	67,630	67,828	68,008	68,269	68,463	68,693	68,832
<b>Transportation and public utilities</b> .....	5,001	5,005	5,001	4,369	5,046	5,053	5,043	5,055	5,095	5,105	5,112	5,131	5,141
Transportation .....	2,728	2,735	2,751	2,751	2,768	2,776	2,763	2,776	2,816	2,828	2,839	2,863	2,869
Communication and public utilities .....	2,273	2,270	2,250	1,618	2,278	2,277	2,280	2,279	2,279	2,276	2,273	2,268	2,272
<b>Wholesale trade</b> .....	5,220	5,241	5,256	5,277	5,301	5,322	5,344	5,371	5,406	5,438	5,457	5,474	5,496
Durable goods .....	3,033	3,046	3,057	3,072	3,096	3,113	3,128	3,147	3,168	3,193	3,205	3,218	3,242
Nondurable goods .....	2,187	2,195	2,199	2,205	2,205	2,209	2,216	2,224	2,238	2,245	2,252	2,256	2,254
<b>Retail trade</b> .....	15,433	15,514	15,580	15,626	15,671	15,737	15,805	15,857	15,914	15,980	16,030	16,094	16,117
General merchandise stores .....	2,142	2,152	2,164	2,169	2,171	2,179	2,195	2,189	2,210	2,211	2,230	2,241	2,252
Food stores .....	2,549	2,555	2,558	2,563	2,568	2,587	2,594	2,600	2,618	2,626	2,626	2,637	2,631
Automotive dealers and service stations .....	1,648	1,659	1,673	1,679	1,685	1,695	1,703	1,710	1,725	1,740	1,748	1,743	1,753
Eating and drinking places .....	4,972	5,002	5,025	5,043	5,058	5,071	5,082	5,095	5,111	5,121	5,136	5,158	5,153
<b>Finance, insurance, and real estate</b> .....	5,460	5,464	5,478	5,498	5,503	5,512	5,530	5,546	5,573	5,593	5,613	5,640	5,650
Finance .....	2,743	2,745	2,749	2,749	2,763	2,769	2,777	2,789	2,797	2,812	2,831	2,851	2,861
Insurance .....	1,718	1,717	1,719	1,724	1,725	1,725	1,728	1,730	1,737	1,741	1,742	1,742	1,743
Real estate .....	999	1,002	1,010	1,025	1,015	1,018	1,025	1,027	1,039	1,040	1,041	1,047	1,046
<b>Services</b> .....	19,529	19,626	19,723	19,808	19,893	19,962	20,034	20,130	20,162	20,278	20,378	20,449	20,538
Business services .....	3,474	3,520	3,577	3,599	3,636	3,672	3,703	3,758	3,798	3,845	3,875	3,903	3,974
Health services .....	5,973	5,963	5,981	5,988	6,003	6,007	6,016	6,026	6,030	6,040	6,052	6,062	6,069
<b>Government</b> .....	15,848	15,836	15,822	15,808	15,935	15,864	15,874	15,869	15,858	15,875	15,873	15,905	15,890
Federal .....	2,753	2,744	2,744	2,747	2,774	2,760	2,759	2,762	2,760	2,763	2,770	2,773	2,767
State .....	3,652	3,657	3,662	3,668	3,672	3,667	3,669	3,668	3,670	3,682	3,686	3,693	3,701
Local .....	9,443	9,435	9,416	9,393	9,489	9,437	9,446	9,439	9,428	9,430	9,417	9,439	9,422

<sup>P</sup> = preliminary.

NOTE: Data in this table have been revised to reflect March 1983 benchmarks and updated seasonal adjustment factors and differ from

data previously published. See the article in this issue for additional information.

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES  
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1983										1984		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>Total</b> .....	39,268	39,407	39,562	39,700	39,949	39,781	40,237	40,373	40,531	40,712	40,858	41,074	41,210
<b>Total private</b> .....	31,705	31,850	31,973	32,121	32,282	32,086	32,538	32,684	32,824	32,997	33,140	33,333	33,463
<b>Goods-producing</b> .....	6,343	6,380	6,412	6,452	6,496	6,518	6,566	6,626	6,677	6,723	6,773	6,820	6,854
<b>Mining</b> .....	120	119	117	116	116	116	116	117	116	116	117	117	117
<b>Construction</b> .....	381	380	382	384	388	390	396	397	400	402	404	407	409
<b>Manufacturing</b> .....	5,842	5,881	5,913	5,952	5,992	6,012	6,054	6,112	6,161	6,205	6,252	6,296	6,328
<b>Durable goods</b> .....	2,718	2,740	2,759	2,781	2,806	2,820	2,851	2,887	2,920	2,947	2,973	3,003	3,031
Lumber and wood products .....	92	94	95	97	97	98	100	101	102	103	105	105	106
Furniture and fixtures .....	129	131	132	134	137	136	136	137	139	140	142	143	144
Stone, clay, and glass products .....	108	110	110	111	111	112	113	114	114	115	116	117	118
Primary metal industries .....	95	96	96	97	97	98	99	101	102	103	103	103	104
Fabricated metal products .....	291	294	296	298	300	303	305	309	312	315	317	320	322
Machinery, except electrical .....	436	438	442	444	448	452	452	456	463	466	468	473	476
Electrical and electronic equipment .....	824	830	837	845	855	855	875	888	901	910	921	932	946
Transportation equipment .....	284	287	290	292	296	299	303	308	310	315	319	324	327
Instruments and related products .....	293	292	292	293	294	297	299	301	303	304	306	308	310
Miscellaneous manufacturing .....	166	168	169	170	171	170	169	172	174	176	176	178	178
<b>Nondurable goods</b> .....	3,124	3,141	3,154	3,171	3,186	3,192	3,203	3,225	3,241	3,258	3,279	3,293	3,297
Food and kindred products .....	495	500	500	502	501	496	497	496	501	502	505	506	504
Tobacco manufactures .....	24	24	24	24	23	23	23	23	22	23	23	23	23
Textile mill products .....	348	349	351	354	355	357	358	361	361	363	366	366	367
Apparel and other textile products .....	920	924	928	934	945	945	948	959	965	969	974	979	982
Paper and allied products .....	150	151	152	153	153	154	155	156	156	157	157	158	157
Printing and publishing .....	521	524	526	529	530	533	535	538	540	543	547	549	552
Chemicals and allied products .....	271	272	272	272	273	274	275	275	275	276	278	279	279
Petroleum and coal products .....	31	30	30	30	30	30	30	30	30	30	30	30	30
Rubber and misc. plastics products .....	241	245	249	251	254	257	259	263	267	271	275	278	280
Leather and leather products .....	123	122	122	122	122	123	123	124	124	124	124	125	123
<b>Service-producing</b> .....	32,925	33,027	33,150	33,248	33,453	33,263	33,671	33,747	33,854	33,989	34,085	34,254	34,356
<b>Transportation and public utilities</b> .....	1,334	1,338	1,338	1,342	1,340	1,031	1,357	1,355	1,356	1,362	1,373	1,378	1,380
<b>Wholesale trade</b> .....	1,423	1,430	1,435	1,445	1,452	1,461	1,468	1,474	1,485	1,496	1,508	1,519	1,532
<b>Retail trade</b> .....	7,782	7,806	7,835	7,874	7,914	7,939	7,951	7,987	8,024	8,048	8,084	8,121	8,154
<b>Finance, insurance, and real estate</b> .....	3,234	3,254	3,261	3,269	3,284	3,297	3,309	3,318	3,327	3,340	3,358	3,367	3,374
<b>Services</b> .....	11,589	11,642	11,692	11,739	11,796	11,840	11,887	11,924	11,955	12,028	12,044	12,128	12,169
<b>Government</b> .....	7,563	7,557	7,589	7,579	7,667	7,695	7,699	7,689	7,707	7,715	7,718	7,741	7,747
Federal .....	906	913	927	934	944	947	960	960	960	962	962	964	967
State .....	1,571	1,566	1,563	1,568	1,576	1,584	1,586	1,595	1,603	1,609	1,620	1,629	1,636
Local .....	5,086	5,078	5,099	5,077	5,147	5,164	5,153	5,134	5,144	5,144	5,136	5,148	5,144

NOTE: Data in this table have been revised to reflect the March 1983 benchmarks and updated seasonal adjustment factors and differ from data

previously published. See the article in this issue for additional information.



**ESTABLISHMENT DATA  
EMPLOYMENT  
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1983								1984				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>	May <sup>P</sup>
<b>Total private</b> .....	59,519	59,881	60,202	59,830	60,748	61,074	61,371	61,665	61,948	62,327	62,443	62,791	62,985
<b>Goods-producing</b> .....	16,014	16,162	16,315	16,421	16,532	16,735	16,881	16,996	17,155	17,318	17,297	17,448	17,533
<b>Mining</b> .....	663	665	670	673	674	685	686	690	694	696	698	707	713
<b>Construction</b> .....	2,943	3,003	3,033	3,069	3,099	3,122	3,147	3,161	3,227	3,296	3,211	3,296	3,345
<b>Manufacturing</b> .....	12,408	12,494	12,612	12,679	12,759	12,928	13,048	13,145	13,234	13,326	13,388	13,445	13,475
<b>Durable goods</b> .....	7,020	7,078	7,165	7,224	7,289	7,421	7,511	7,585	7,643	7,718	7,769	7,804	7,836
Lumber and wood products .....	535	548	555	564	569	578	583	587	589	592	599	599	598
Furniture and fixtures .....	350	353	361	361	363	368	373	376	380	384	387	387	387
Stone, clay, and glass products .....	431	435	437	442	445	450	453	454	455	462	463	465	464
Primary metal industries .....	614	617	625	629	636	651	657	665	661	666	666	669	675
Fabricated metal products .....	980	986	993	1,006	1,011	1,028	1,037	1,049	1,056	1,062	1,069	1,075	1,083
Machinery, except electrical .....	1,180	1,184	1,201	1,214	1,219	1,236	1,261	1,273	1,286	1,300	1,314	1,329	1,342
Electrical and electronic equipment .....	1,202	1,214	1,229	1,228	1,260	1,281	1,300	1,313	1,327	1,346	1,364	1,372	1,385
Transportation equipment .....	1,075	1,087	1,109	1,122	1,126	1,160	1,173	1,192	1,208	1,221	1,221	1,221	1,216
Instruments and related products .....	386	386	386	389	393	397	399	398	401	403	404	404	405
Miscellaneous manufacturing .....	267	268	269	269	267	272	275	278	280	282	282	283	281
<b>Nondurable goods</b> .....	5,388	5,416	5,447	5,455	5,470	5,507	5,537	5,560	5,591	5,608	5,619	5,641	5,639
Food and kindred products .....	1,118	1,122	1,123	1,117	1,118	1,119	1,124	1,126	1,134	1,133	1,133	1,142	1,139
Tobacco manufactures .....	53	52	52	50	52	51	50	50	49	49	50	50	50
Textile mill products .....	634	642	643	650	651	656	658	660	666	665	666	666	662
Apparel and other textile products .....	972	977	990	990	993	1,004	1,012	1,018	1,023	1,028	1,031	1,038	1,032
Paper and allied products .....	492	493	495	495	498	501	503	506	508	511	512	511	513
Printing and publishing .....	705	709	711	714	715	720	725	727	732	734	737	743	745
Chemicals and allied products .....	578	579	580	580	581	583	584	586	587	588	588	589	590
Petroleum and coal products .....	119	118	118	117	116	115	114	113	112	112	111	111	114
Rubber and misc. plastics products .....	545	552	562	568	571	582	591	598	604	612	616	616	622
Leather and leather products .....	172	172	173	174	175	176	176	176	176	176	175	175	172
<b>Service-producing</b> .....	43,505	43,719	43,887	43,409	44,216	44,339	44,490	44,669	44,793	45,009	45,146	45,343	45,452
<b>Transportation and public utilities</b> .....	4,116	4,121	4,119	3,481	4,154	4,158	4,151	4,161	4,189	4,198	4,207	4,229	4,234
<b>Wholesale trade</b> .....	4,185	4,207	4,219	4,242	4,258	4,274	4,292	4,316	4,349	4,375	4,395	4,405	4,426
<b>Retail trade</b> .....	13,858	13,928	13,988	14,028	14,063	14,112	14,174	14,221	14,264	14,317	14,341	14,425	14,426
<b>Finance, insurance, and real estate</b> .....	4,047	4,059	4,075	4,098	4,097	4,107	4,122	4,135	4,149	4,161	4,165	4,173	4,184
<b>Services</b> .....	17,299	17,404	17,486	17,560	17,644	17,688	17,751	17,836	17,842	17,958	18,038	18,111	18,182

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

<sup>P</sup> = preliminary.

NOTE: Data in this table have been revised to reflect the March 1983 benchmarks and updated seasonal adjustment factors and differ from data previously published. See the article in this issue for additional information.

**ESTABLISHMENT DATA  
INDEXES OF DIFFUSION  
SEASONALLY ADJUSTED**

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

Time span	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Over 1-month span	1982.....	27.6	47.6	35.7	31.1	41.1	33.5	34.6	32.4	37.3	28.9	32.4	45.7
	1983.....	54.3	46.5	60.8	68.9	69.5	64.6	74.3	68.6	69.5	75.4	69.7	73.8
	1984.....	71.1	73.2	67.0	<sup>P</sup> 64.6	<sup>P</sup> 58.4							
Over 3-month span	1982.....	25.1	27.8	27.8	27.3	27.6	28.6	23.5	24.1	26.5	25.9	27.8	41.6
	1983.....	46.8	57.3	64.1	75.1	75.7	77.8	74.1	81.6	80.8	78.9	79.5	77.6
	1984.....	82.2	80.5	<sup>P</sup> 77.3	<sup>P</sup> 69.2								
Over 6-month span	1982.....	19.2	22.2	21.9	24.6	20.3	21.4	21.4	18.6	23.2	27.3	29.5	35.4
	1983.....	50.8	63.0	69.2	75.1	80.0	82.4	84.1	82.4	84.6	85.9	86.8	83.8
	1984.....	<sup>P</sup> 81.9	<sup>P</sup> 82.4										
Over 12-month span	1982.....	21.6	21.4	17.6	18.1	16.2	18.1	21.1	21.1	25.1	31.6	34.1	40.3
	1983.....	49.5	54.3	61.9	71.1	77.3	79.5	83.8	88.1	86.8	<sup>P</sup> 87.6	<sup>P</sup> 84.3	
	1984.....												

<sup>1</sup> Based on the number of employees, seasonally adjusted for 1, 3, and 6 month spans, on the payrolls of 185 private nonagricultural industries. Data for the 12-month span are unadjusted.

<sup>P</sup> = preliminary.

NOTE: Figures are the percent of industries with employment

rising. (Half of the unchanged components are counted as rising.) Data are centered within the spans. Data in this table have been revised to reflect the March 1983 benchmarks and updated seasonal adjustment factors and differ from data previously published. See the article in this issue for additional information.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonagricultural payrolls in States and selected areas by major industry**

(In thousands)

State and area	Total			Mining			Construction		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>
<b>Alabama</b> .....	1,312.4	1,333.0	1,346.2	13.6	13.7	13.7	57.7	60.4	62.6
Birmingham .....	335.3	338.9	341.8	7.6	7.0	7.1	18.7	19.2	19.9
Huntsville .....	129.7	135.8	136.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.7	4.4	4.5
Mobile .....	143.3	148.4	147.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.1	9.5	9.6
Montgomery .....	106.1	108.4	109.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.4	6.2	6.4
Tuscaloosa .....	49.7	51.1	51.5	1.7	2.4	2.4	1.9	1.9	2.0
<b>Alaska</b> .....	205.9	206.4	212.4	8.4	8.4	8.1	17.5	15.6	17.2
<b>Arizona</b> .....	1,061.8	1,135.1	1,138.2	14.4	13.2	13.6	72.2	86.7	87.8
Phoenix .....	681.5	740.3	742.2	.6	.7	.7	50.3	60.5	61.2
Tucson .....	197.6	209.0	209.6	3.8	3.6	3.7	13.6	17.6	17.9
<b>Arkansas</b> .....	734.8	765.0	770.2	5.2	5.3	5.4	28.4	27.6	28.7
Fayetteville-Springdale .....	67.7	69.8	70.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.5	2.5
Fort Smith .....	68.5	70.9	70.9	1.1	1.2	1.2	2.7	2.7	2.7
Little Rock-North Little Rock .....	180.4	185.2	185.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.2	8.2	8.5
Pine Bluff .....	29.6	30.4	29.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.2	1.0	1.1
<b>California</b> .....	9,833.4	10,185.0	10,241.4	46.6	47.0	47.1	339.5	374.2	388.0
Anaheim-Santa Ana-Garden Grove .....	854.9	887.2	892.0	3.8	3.4	3.4	31.6	36.8	38.0
Bakersfield .....	138.3	142.4	142.0	13.5	14.4	14.5	6.8	6.5	6.5
Fresno .....	173.0	178.0	178.5	.9	1.2	1.2	8.1	8.8	9.2
Los Angeles-Long Beach .....	3,511.5	3,629.0	3,640.8	12.8	12.5	12.4	92.3	99.0	99.9
Modesto .....	82.5	83.3	83.8	.1	.1	.1	3.9	4.0	4.3
Oxnard-Simi Valley-Ventura .....	163.3	166.0	165.5	3.4	3.3	3.3	5.6	6.3	6.3
Riverside-San Bernardino-Ontario .....	438.1	448.3	449.0	1.2	1.2	1.2	20.8	21.5	22.2
Sacramento .....	409.3	423.4	425.2	.8	.8	.8	14.9	17.9	18.6
Salinas-Seaside-Monterey .....	88.7	91.4	92.8	.4	.4	.4	3.0	3.2	3.2
San Diego .....	668.7	697.2	700.5	.5	.5	.5	28.9	34.8	35.6
San Francisco-Oakland .....	1,554.0	1,587.8	1,578.0	4.5	4.6	4.6	60.8	59.4	61.8
San Jose .....	704.5	730.5	733.9	.1	.1	.1	21.3	25.6	26.5
Santa Barbara-Santa Maria-Lompoc .....	122.7	125.6	126.1	1.6	1.5	1.5	4.2	4.4	4.8
Santa Rosa .....	94.3	97.4	98.1	.6	.6	.6	3.9	3.9	4.2
Stockton .....	116.2	118.0	119.1	.1	.1	.1	5.2	6.0	6.1
Vallejo-Fairfield-Napa .....	101.3	102.0	103.9	.4	.4	.5	4.1	4.4	4.8
<b>Colorado</b> .....	1,307.3	1,347.7	1,353.2	36.8	37.1	37.0	75.1	80.7	82.9
Denver-Boulder .....	846.1	869.7	874.5	26.4	25.4	25.2	45.8	48.8	50.6
<b>Connecticut</b> .....	1,432.2	1,457.8	1,474.6	1.5	1.2	1.4	49.2	49.2	52.8
Bridgeport .....	166.0	165.8	167.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.5	4.4	4.5
Hartford .....	400.4	404.0	406.9	.2	( <sup>1</sup> )	( <sup>1</sup> )	11.5	11.2	11.9
New Britain .....	59.4	59.0	59.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.0	2.1
New Haven-West Haven .....	188.3	194.7	197.2	.3	.2	.2	6.0	5.6	6.2
Stamford .....	112.1	112.6	113.5	.8	.7	.7	4.4	4.3	4.5
Waterbury .....	85.1	86.4	87.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.6	2.4	2.7
<b>Delaware</b> .....	262.8	267.3	271.7	.1	.1	.1	16.0	16.2	17.3
Wilmington .....	233.3	235.8	240.0	.2	.2	.2	18.9	18.3	20.0
<b>District of Columbia</b> .....	595.8	592.7	596.2	.1	.1	.1	10.2	10.2	10.3
Washington SMSA .....	1,628.4	1,664.3	1,677.6	1.0	1.0	1.0	70.3	78.7	80.6
<b>Florida</b> .....	3,874.8	4,117.3	4,130.8	9.9	10.1	9.9	251.6	296.1	298.9
Daytona Beach .....	86.5	90.8	90.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.6	5.4	5.6
Fort Lauderdale-Hollywood .....	370.5	385.1	385.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	25.4	27.4	28.5
Fort Myers-Cape Coral .....	79.3	82.2	81.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.3	9.0	9.0
Gainesville .....	72.0	73.2	73.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	4.3	4.3
Jacksonville .....	311.9	321.2	322.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	19.7	20.3	20.5
Lakeland-Winter Haven .....	118.7	118.3	117.8	4.5	4.6	4.5	6.8	6.3	6.4
Melbourne-Titusville-Cocoa .....	115.3	123.4	124.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.5	7.8	7.9
Miami .....	736.8	753.4	751.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	36.1	39.9	40.2
Orlando .....	339.8	356.0	356.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	23.0	25.3	25.2
Pensacola .....	105.0	109.5	110.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.5	8.1	8.4
Sarasota .....	82.1	84.4	84.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.4	8.7	8.6
Tallahassee .....	77.8	79.1	79.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.4	4.1	4.1
Tampa-St. Petersburg .....	613.9	628.8	627.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	40.6	44.6	44.5
West Palm Beach-Boca Raton .....	237.0	250.9	250.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.8	20.6	20.3

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>
<b>Alabama</b> .....	334.5	346.6	351.9	69.4	71.6	71.6	267.5	274.1	277.6
Birmingham .....	49.4	49.9	50.4	28.5	29.3	29.4	79.4	80.2	80.7
Huntsville .....	40.7	45.3	45.7	2.7	2.7	2.7	22.9	23.8	24.0
Mobile .....	25.1	24.9	25.4	9.7	9.6	9.6	35.7	37.8	37.9
Montgomery .....	15.1	15.9	16.0	4.2	4.2	4.2	23.7	24.9	25.3
Tuscaloosa .....	7.6	8.0	8.0	1.7	1.6	1.6	10.1	10.3	10.5
<b>Alaska</b> .....	10.0	8.3	9.5	17.9	17.6	18.1	39.9	42.6	43.1
<b>Arizona</b> .....	152.2	165.0	165.4	56.5	59.2	59.0	256.2	270.2	271.0
Phoenix .....	109.4	119.5	119.5	35.9	38.2	37.9	172.9	184.5	184.8
Tucson .....	26.3	27.9	27.9	8.7	9.0	9.0	42.9	43.6	44.1
<b>Arkansas</b> .....	196.8	208.5	209.9	42.3	44.4	44.6	159.8	167.9	169.9
Fayetteville-Springdale .....	19.7	19.7	19.9	4.3	4.7	4.8	15.8	16.4	16.5
Fort Smith .....	21.8	23.6	23.6	3.5	3.7	3.6	14.7	15.0	15.1
Little Rock-North Little Rock .....	25.5	26.1	26.3	13.2	13.5	13.4	42.6	44.1	44.4
Pine Bluff .....	5.4	5.7	5.5	3.1	3.4	3.3	5.8	5.9	5.9
<b>California</b> .....	1,897.0	1,979.0	1,990.0	532.3	510.5	512.5	2,271.2	2,410.0	2,427.4
Anaheim-Santa Ana-Garden Grove .....	206.8	216.9	217.8	29.5	28.7	29.0	212.5	221.5	223.2
Bakersfield .....	9.6	9.4	9.3	7.9	7.8	7.8	35.0	36.4	36.2
Fresno .....	19.1	20.6	20.6	9.6	9.1	9.2	44.2	45.7	45.8
Los Angeles-Long Beach .....	843.7	875.2	877.4	194.1	188.2	189.1	788.7	830.1	835.8
Modesto .....	17.3	18.3	18.3	3.9	3.6	3.6	20.7	21.1	21.2
Oxnard-Simi Valley-Ventura .....	25.2	25.1	25.1	6.7	7.1	7.1	39.7	41.4	41.3
Riverside-San Bernardino-Ontario .....	57.1	57.2	57.6	25.3	25.0	25.1	109.5	115.3	115.4
Sacramento .....	26.6	28.7	29.3	21.3	20.3	20.3	95.7	100.1	100.1
Salinas-Seaside-Monterey .....	8.2	8.8	9.4	4.5	4.4	4.5	23.2	23.7	24.0
San Diego .....	103.3	110.1	110.3	29.8	28.7	28.8	156.5	163.7	165.2
San Francisco-Oakland .....	184.3	181.8	182.5	124.4	125.6	126.0	358.3	368.8	371.0
San Jose .....	256.6	265.9	266.9	21.2	19.5	19.7	129.0	137.7	138.7
Santa Barbara-Santa Maria-Lompoc .....	19.8	21.4	21.5	5.0	5.3	5.3	29.3	29.5	29.4
Santa Rosa .....	14.9	16.2	16.4	4.6	4.5	4.6	23.0	24.0	24.0
Stockton .....	18.2	18.8	19.5	7.6	7.4	7.6	26.6	27.4	27.5
Vallejo-Fairfield-Napa .....	9.4	9.5	9.7	4.2	4.0	4.0	22.1	23.0	23.6
<b>Colorado</b> .....	176.3	183.9	185.5	83.8	84.6	85.2	318.0	327.1	328.9
Denver-Boulder .....	121.4	126.1	127.5	61.3	62.0	62.5	203.5	209.0	209.7
<b>Connecticut</b> .....	402.6	412.7	414.5	61.4	62.1	63.0	305.4	308.7	313.1
Bridgeport .....	57.9	59.3	59.3	6.6	6.6	6.7	35.6	35.0	35.5
Hartford .....	86.0	87.5	87.4	14.1	14.3	14.3	83.8	83.4	84.1
New Britain .....	24.2	24.3	24.3	3.2	3.0	3.0	10.6	10.6	10.8
New Haven-West Haven .....	38.7	39.2	39.3	14.6	15.7	15.6	41.7	44.7	45.7
Stamford .....	31.3	31.0	31.2	4.4	4.1	4.2	24.3	24.9	25.0
Waterbury .....	28.9	30.1	30.2	3.2	3.4	3.4	16.3	16.4	16.7
<b>Delaware</b> .....	66.8	67.2	67.2	12.1	11.8	11.7	56.6	57.2	58.7
Wilmington .....	59.6	58.9	59.1	11.7	11.4	11.4	47.5	47.7	48.1
<b>District of Columbia</b> .....	14.5	14.5	14.6	25.7	24.6	25.0	58.8	57.0	58.3
Washington SMSA .....	63.4	69.0	69.4	74.7	76.5	78.0	308.6	314.5	319.3
<b>Florida</b> .....	456.0	493.1	494.5	232.9	229.1	231.4	1,029.8	1,117.3	1,120.9
Daytona Beach .....	9.3	10.6	10.6	3.3	3.2	3.3	24.6	25.2	25.4
Fort Lauderdale-Hollywood .....	40.8	43.8	44.2	18.8	18.4	18.4	107.7	113.7	112.5
Fort Myers-Cape Coral .....	4.1	4.3	4.4	4.5	4.6	4.5	23.8	24.4	23.9
Gainesville .....	4.4	4.8	4.9	1.6	1.6	1.6	15.0	14.8	14.9
Jacksonville .....	31.9	33.2	33.1	25.0	25.7	25.9	81.3	84.1	84.7
Lakeland-Winter Haven .....	20.6	20.4	20.1	5.4	5.4	5.4	30.8	30.7	30.5
Melbourne-Titusville-Cocoa .....	24.8	27.6	27.8	5.0	5.1	5.0	25.9	28.2	29.2
Miami .....	90.7	93.9	94.3	69.8	68.9	69.0	190.3	192.1	191.5
Orlando .....	39.8	42.5	42.8	16.6	16.6	16.5	93.7	98.1	98.3
Pensacola .....	12.4	12.9	12.9	6.0	6.3	6.3	25.3	27.0	27.5
Sarasota .....	6.1	6.6	6.5	3.3	3.2	3.2	25.6	25.9	25.6
Tallahassee .....	3.0	3.2	3.1	2.6	2.7	2.7	16.7	17.8	17.9
Tampa-St. Petersburg .....	78.5	80.6	80.8	34.7	33.6	33.6	166.9	169.9	168.2
West Palm Beach-Boca Raton .....	28.8	32.6	33.4	10.0	10.2	10.1	62.9	66.7	66.1

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>
<b>Alabama</b> .....	59.1	60.3	60.6	218.6	219.2	219.9	292.0	287.1	288.3
Birmingham .....	23.4	24.2	24.1	73.0	73.8	74.4	55.3	55.3	55.8
Huntsville .....	3.6	3.6	3.6	20.1	20.1	20.2	36.0	35.9	36.2
Mobile .....	7.0	7.0	7.1	31.4	31.4	31.5	25.3	26.2	26.4
Montgomery .....	6.3	6.4	6.4	21.8	21.6	21.7	29.6	29.2	29.3
Tuscaloosa .....	1.6	1.6	1.6	6.9	6.8	6.9	18.2	18.5	18.5
<b>Alaska</b> .....	10.2	10.8	11.0	38.4	38.9	39.7	63.6	64.2	65.7
<b>Arizona</b> .....	64.7	68.5	68.6	236.5	256.0	257.1	209.1	216.3	215.7
Phoenix .....	50.6	53.6	53.7	158.2	174.5	175.1	103.6	108.8	109.1
Tucson .....	8.9	9.5	9.6	45.9	48.5	48.5	47.5	49.3	48.9
<b>Arkansas</b> .....	33.7	34.3	34.7	127.6	133.6	134.8	141.0	143.4	142.2
Fayetteville-Springdale .....	2.4	2.5	2.5	10.0	10.2	10.3	13.2	13.8	13.6
Fort Smith .....	2.6	2.6	2.6	12.5	12.5	12.5	9.6	9.6	9.6
Little Rock-North Little Rock .....	13.8	13.5	13.6	39.2	40.8	40.9	37.9	39.0	38.7
Pine Bluff .....	1.4	1.4	1.4	5.8	5.7	5.6	6.9	7.3	7.1
<b>California</b> .....	651.5	669.3	670.1	2,333.6	2,432.0	2,440.2	1,761.7	1,763.0	1,768.1
Anaheim-Santa Ana-Garden Grove .....	63.3	66.2	66.1	200.2	207.1	207.4	107.4	106.6	107.1
Bakersfield .....	5.5	5.7	5.7	26.4	27.9	27.8	33.6	34.3	34.2
Fresno .....	11.9	12.3	12.3	37.6	38.9	38.7	41.6	41.4	41.5
Los Angeles-Long Beach .....	233.7	240.5	240.6	877.4	915.9	916.3	468.8	467.6	469.3
Modesto .....	3.5	3.7	3.7	17.3	17.2	17.2	15.8	15.3	15.4
Oxnard-Simi Valley-Ventura .....	10.7	10.5	10.5	34.0	34.6	34.6	38.0	37.7	37.3
Riverside-San Bernardino-Ontario .....	19.4	19.7	19.7	100.1	102.7	102.2	104.7	105.7	105.6
Sacramento .....	23.1	23.7	23.7	81.4	85.0	84.8	145.5	146.9	147.6
Salinas-Seaside-Monterey .....	4.5	4.5	4.5	20.2	21.6	21.9	24.7	24.8	24.9
San Diego .....	45.0	46.7	46.7	162.1	168.5	169.5	142.6	144.2	143.9
San Francisco-Oakland .....	152.7	152.2	152.4	382.6	390.1	393.0	286.6	285.3	286.7
San Jose .....	29.0	29.2	29.2	168.1	175.0	175.2	79.2	77.5	77.6
Santa Barbara-Santa Maria-Lompoc .....	6.2	6.4	6.4	31.8	32.0	32.3	24.8	25.1	25.1
Santa Rosa .....	6.2	6.4	6.3	21.0	21.7	22.0	20.1	20.1	20.0
Stockton .....	6.2	6.1	6.1	24.7	24.6	24.5	27.6	27.6	27.7
Vallejo-Fairfield-Napa .....	3.7	3.7	3.7	21.5	21.7	22.2	35.9	35.3	35.4
<b>Colorado</b> .....	85.4	87.4	86.9	285.7	298.2	297.6	246.2	248.8	249.2
Denver-Boulder .....	61.2	62.7	62.6	188.5	196.3	196.8	138.1	139.4	139.6
<b>Connecticut</b> .....	115.8	120.0	120.6	310.3	316.8	321.8	186.0	187.1	187.4
Bridgeport .....	8.2	8.1	8.1	36.6	35.9	36.6	16.6	16.5	16.6
Hartford .....	66.4	68.9	69.5	84.7	85.1	86.3	53.7	53.6	53.4
New Britain .....	1.9	1.9	2.0	10.9	11.0	11.0	6.5	6.2	6.3
New Haven-West Haven .....	11.4	12.0	12.2	51.5	53.6	54.1	24.1	23.7	23.9
Stamford .....	8.7	8.8	8.8	28.0	28.4	28.7	10.2	10.4	10.4
Waterbury .....	3.9	3.9	4.0	18.6	18.7	19.0	11.6	11.5	11.5
<b>Delaware</b> .....	15.3	16.1	16.2	51.9	54.1	55.7	44.0	44.6	44.8
Wilmington .....	14.2	14.8	14.9	46.1	48.4	50.2	35.1	36.0	36.1
<b>District of Columbia</b> .....	34.2	33.5	33.9	195.7	192.7	193.4	256.6	260.1	260.6
Washington SMSA .....	93.4	93.8	94.6	485.8	497.6	500.7	531.2	533.2	533.8
<b>Florida</b> .....	281.4	304.0	305.5	965.3	1,014.8	1,018.4	647.9	652.8	651.3
Daytona Beach .....	5.1	5.5	5.5	24.1	24.6	24.2	15.5	16.3	16.2
Fort Lauderdale-Hollywood .....	32.6	34.1	34.3	95.4	96.9	97.0	49.8	50.8	50.9
Fort Myers-Cape Coral .....	6.7	6.8	6.7	19.2	19.9	19.8	12.7	13.2	13.1
Gainesville .....	3.2	3.0	3.0	15.1	14.5	14.5	28.7	30.2	29.9
Jacksonville .....	28.8	29.0	29.1	72.6	75.0	75.6	52.6	53.9	54.0
Lakeland-Winter Haven .....	7.4	7.3	7.3	26.0	27.5	27.5	17.2	16.1	16.1
Melbourne-Titusville-Cocoa .....	4.2	4.5	4.5	29.7	30.7	30.8	19.2	19.5	19.5
Miami .....	60.3	61.7	61.7	190.8	197.4	196.1	98.8	99.5	99.1
Orlando .....	22.0	22.6	22.7	99.2	102.8	102.7	45.5	48.1	48.6
Pensacola .....	4.2	4.3	4.3	23.3	24.0	24.4	26.3	26.9	26.7
Sarasota .....	7.2	7.4	7.4	22.2	21.9	22.3	10.3	10.7	10.7
Tallahassee .....	3.8	3.7	3.6	15.2	15.3	15.3	33.1	32.3	32.5
Tampa-St. Petersburg .....	45.7	47.5	47.6	161.1	166.7	167.2	86.4	85.9	85.6
West Palm Beach-Boca Raton .....	20.5	20.7	20.8	63.8	67.0	66.7	32.2	33.1	33.1

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Total			Mining			Construction		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>a</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>a</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>a</sup>
<b>Georgia</b> .....	2,253.3	2,343.7	2,378.4	7.2	7.8	7.8	104.5	121.5	127.4
Albany .....	44.1	44.6	44.5	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.8	1.7	1.9
Athens .....	54.1	55.7	56.0	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.5	2.0	1.9
Atlanta .....	1,048.1	1,093.1	1,097.2	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	47.5	54.2	54.5
Augusta .....	125.9	126.6	126.6	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	7.5	7.1	7.3
Columbus .....	79.7	83.1	83.4	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	3.7	5.0	4.9
Macon .....	100.9	102.6	102.9	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	4.2	4.4	4.4
Savannah .....	89.2	91.7	92.3	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	4.9	5.3	5.6
<b>Hawaii</b> .....	403.6	406.9	405.4	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	17.8	17.2	16.9
Honolulu .....	328.1	332.0	330.8	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	14.5	14.4	14.1
<b>Idaho</b> .....	312.8	320.1	323.0	3.6	4.1	4.2	11.7	11.1	11.5
Boise City .....	76.5	76.9	77.6	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	4.5	4.5	4.5
<b>Illinois</b> .....	4,473.1	4,501.8	4,529.9	24.1	23.6	24.1	131.1	124.6	135.3
Bloomington-Normal .....	50.1	51.7	51.8	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	.8	.8	.9
Champaign-Urbana-Rantoul .....	74.2	75.0	75.7	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.6	1.5	1.6
Chicago-Gary .....	3,218.4	3,213.0	3,232.8	3.1	3.3	3.6	105.1	97.6	106.2
Chicago SMSA .....	3,002.8	3,003.9	3,020.3	3.0	3.2	3.5	95.5	89.1	97.1
Davenport-Rock Island-Moline .....	145.5	146.8	148.0	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	5.2	5.1	5.2
Decatur .....	49.1	51.9	52.3	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	2.0	1.9	1.9
Kankakee .....	31.1	31.2	31.3	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.1	.9	1.0
Peoria .....	117.6	129.0	129.6	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	5.8	5.8	6.1
Rockford .....	107.4	111.6	112.7	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	2.6	2.8	3.0
Springfield .....	85.9	86.5	86.8	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	2.3	2.3	2.5
<b>Indiana</b> .....	1,994.1	2,021.8	2,045.9	9.7	9.0	9.4	66.2	60.3	64.3
Anderson .....	44.0	46.0	46.4	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	.9	1.0	1.0
Elkhart .....	75.8	83.5	85.9	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.5	1.7	1.9
Evansville .....	117.1	122.7	123.7	2.7	2.6	2.6	5.5	5.4	5.5
Fort Wayne .....	157.2	158.3	160.3	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	4.8	4.7	5.0
Gary-Hammond-East Chicago .....	215.6	209.1	212.5	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	9.6	8.5	9.1
Indianapolis .....	501.5	512.4	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	18.1	17.9	( <sup>b</sup> )
Lafayette-West Lafayette .....	56.0	57.2	57.9	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.3	1.2	1.3
Muncie .....	45.3	45.8	46.5	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.2	1.2	1.3
South Bend .....	106.0	109.8	111.2	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	3.3	3.6	4.0
Terre Haute .....	58.5	59.0	60.1	1.2	1.1	1.2	2.3	2.2	2.4
<b>Iowa</b> .....	1,019.3	1,025.7	1,033.6	1.7	1.7	1.9	30.3	30.9	34.2
Cedar Rapids .....	75.3	75.6	76.1	.1	.1	.1	2.4	2.1	2.3
Des Moines .....	170.2	171.8	171.9	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	4.9	4.9	5.0
Dubuque .....	36.9	38.2	38.7	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.0	.8	.9
Sioux City .....	45.8	46.3	46.4	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.5	1.2	1.3
Waterloo-Cedar Falls .....	56.5	55.1	55.0	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.3	1.1	1.2
<b>Kansas</b> .....	916.2	929.7	936.4	16.7	17.0	17.0	37.5	37.5	37.8
Lawrence .....	27.8	27.4	27.6	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	.8	.8	.8
Topeka .....	83.0	83.8	84.5	.1	.2	.2	2.9	2.5	2.6
Wichita .....	189.1	198.0	199.1	3.3	3.1	3.0	7.7	8.6	8.6
<b>Kentucky</b> .....	1,150.8	1,166.4	1,176.0	41.3	41.2	42.1	43.8	47.6	48.7
Lexington-Fayette .....	146.8	146.4	148.7	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	6.3	6.4	7.5
Louisville .....	363.2	368.2	371.1	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	13.9	16.5	17.8
Owensboro .....	30.1	31.0	31.2	1.0	1.0	1.0	1.6	1.6	1.6
<b>Louisiana</b> .....	1,555.9	1,566.6	1,569.6	80.7	78.6	77.2	111.0	113.7	113.4
Alexandria .....	53.2	54.1	54.2	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	3.3	3.3	3.4
Baton Rouge .....	204.5	208.5	209.2	1.0	.9	.9	20.3	20.2	20.0
Lafayette .....	89.2	88.8	88.4	16.8	17.6	16.9	5.2	4.9	5.0
Lake Charles .....	62.6	59.1	59.0	2.4	2.4	2.3	7.2	4.7	4.7
Monroe .....	51.7	49.7	50.5	.6	.5	.5	2.9	2.5	2.8
New Orleans .....	501.4	506.7	507.9	18.6	18.4	18.4	28.9	33.2	34.0
Shreveport .....	146.1	149.1	149.7	6.5	6.2	6.2	8.6	8.8	9.2
<b>Maine</b> .....	410.6	414.0	421.7	.1	.1	.2	14.5	13.4	15.3
Lewiston-Auburn .....	33.1	33.5	34.0	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.1	1.1	1.2
Portland .....	93.7	98.0	99.6	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	3.8	3.8	4.3
<b>Maryland</b> .....	1,693.7	1,717.2	1,734.9	1.7	1.2	1.3	92.3	96.1	102.9
Baltimore SMSA .....	938.7	945.1	952.7	.1	.1	.1	43.9	45.6	50.0
Baltimore City .....	433.0	434.7	436.6	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	14.8	15.1	17.6

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>a</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>a</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>a</sup>
<b>Georgia</b> .....	502.2	524.9	527.6	146.5	151.1	151.4	536.5	564.3	578.1
Albany .....	10.4	10.3	10.4	2.3	2.3	2.4	10.3	11.0	10.9
Athens .....	13.9	14.6	14.6	1.5	1.6	1.5	10.6	10.4	10.7
Atlanta .....	144.8	150.7	151.3	92.0	94.7	94.6	292.7	308.5	310.0
Augusta .....	32.8	33.5	33.2	4.3	4.3	4.3	24.1	24.1	23.9
Columbus .....	19.9	21.1	21.2	3.1	3.0	3.0	16.4	17.2	17.5
Macon .....	16.6	16.6	16.6	4.6	4.3	4.3	20.8	21.6	21.7
Savannah .....	15.7	16.7	16.9	9.8	10.2	9.7	20.9	21.0	21.5
<b>Hawaii</b> .....	21.7	21.3	21.4	30.7	30.9	30.9	104.5	107.7	107.2
Honolulu .....	15.9	15.3	15.6	25.4	25.7	25.8	84.4	87.6	87.2
<b>Idaho</b> .....	48.6	50.2	50.7	19.0	18.4	18.6	77.6	80.6	81.5
Boise City .....	8.6	9.0	9.1	5.3	5.0	4.9	19.2	18.8	19.0
<b>Illinois</b> .....	931.6	979.1	985.8	262.2	266.3	265.9	1,073.4	1,082.1	1,089.8
Bloomington-Normal .....	5.2	5.8	5.9	3.3	3.3	3.1	11.9	12.8	12.9
Champaign-Urbana-Rantoul .....	6.9	7.0	7.0	2.4	2.3	2.4	18.1	17.6	17.9
Chicago-Gary .....	705.0	712.6	714.5	189.3	191.3	190.9	775.6	774.5	778.8
Chicago SMSA .....	634.5	644.9	647.2	176.5	178.7	178.1	730.2	729.1	732.6
Davenport-Rock Island-Moline .....	35.8	36.4	36.5	6.5	6.8	6.8	38.1	38.1	38.2
Decatur .....	15.3	18.1	18.1	3.9	3.8	3.9	10.9	11.3	11.3
Kankakee .....	5.6	5.9	5.9	1.1	1.1	1.1	7.2	7.2	7.2
Peoria .....	24.4	35.6	36.0	6.5	6.7	6.7	30.7	30.6	30.6
Rockford .....	39.9	43.5	44.0	4.5	4.2	4.2	24.1	24.3	24.5
Springfield .....	4.8	5.8	5.8	4.3	4.1	4.1	18.9	18.9	18.8
<b>Indiana</b> .....	565.6	606.0	607.6	100.2	100.1	101.3	455.7	450.3	459.0
Anderson .....	17.0	18.9	19.0	1.2	1.1	1.2	9.4	9.5	9.6
Elkhart .....	40.7	46.8	48.3	2.5	2.5	2.6	14.1	15.0	15.5
Evansville .....	28.7	34.5	34.7	6.9	6.9	6.9	30.0	30.2	30.5
Fort Wayne .....	45.7	46.5	47.0	9.7	10.1	10.2	38.6	39.0	39.6
Gary-Hammond-East Chicago .....	70.5	67.7	67.3	12.8	12.6	12.8	45.4	45.4	46.2
Indianapolis .....	104.8	108.3	( <sup>b</sup> )	29.7	30.4	( <sup>b</sup> )	126.9	128.8	( <sup>b</sup> )
Lafayette-West Lafayette .....	10.1	10.9	11.1	1.7	1.7	1.7	11.0	11.4	11.6
Muncie .....	10.2	11.3	11.2	1.8	1.8	1.8	11.2	10.9	11.0
South Bend .....	27.6	29.3	29.5	4.6	4.6	4.7	26.5	27.5	27.9
Terre Haute .....	12.3	12.5	12.6	3.4	3.3	3.3	14.8	15.4	15.9
<b>Iowa</b> .....	197.5	206.8	207.2	50.2	49.4	49.5	260.0	257.2	260.1
Cedar Rapids .....	21.0	21.6	21.7	3.8	3.7	3.7	18.2	17.8	17.8
Des Moines .....	20.1	21.5	21.6	10.4	10.2	10.1	44.1	44.1	44.4
Dubuque .....	10.3	11.5	11.8	1.7	1.7	1.7	8.4	8.4	8.5
Sioux City .....	8.8	9.4	9.3	3.4	3.4	3.4	11.8	12.1	12.2
Waterloo-Cedar Falls .....	16.6	15.9	16.0	2.0	1.8	1.8	12.5	12.5	12.6
<b>Kansas</b> .....	162.4	174.1	174.4	61.1	63.1	63.2	223.6	222.6	225.6
Lawrence .....	4.3	4.0	4.0	1.3	1.3	1.3	5.9	5.9	6.0
Topeka .....	9.3	9.7	9.8	7.5	7.7	7.7	17.6	18.2	18.6
Wichita .....	49.4	54.5	54.4	9.8	10.2	10.2	44.4	46.2	47.1
<b>Kentucky</b> .....	238.9	252.0	252.6	61.8	62.6	63.0	260.6	263.7	265.0
Lexington-Fayette .....	25.8	28.5	28.5	7.5	7.3	7.3	33.4	32.1	32.5
Louisville .....	81.8	86.1	85.0	21.2	21.2	21.6	86.3	86.2	87.1
Owensboro .....	5.9	6.1	6.2	2.3	2.3	2.3	7.3	7.5	7.6
<b>Louisiana</b> .....	177.1	177.1	178.9	118.2	113.4	114.2	362.4	369.6	372.1
Alexandria .....	5.1	5.3	5.3	2.5	2.5	2.5	12.1	12.3	12.4
Baton Rouge .....	22.4	22.0	22.1	10.1	10.1	9.9	47.0	49.5	50.8
Lafayette .....	3.8	3.8	3.8	6.9	6.7	6.7	23.2	23.3	23.4
Lake Charles .....	9.7	9.4	9.2	4.6	4.3	4.5	14.3	13.8	14.0
Monroe .....	7.1	6.8	6.9	2.6	2.7	2.7	13.8	14.1	14.2
New Orleans .....	40.6	38.8	39.1	47.2	46.5	46.5	126.8	128.9	129.6
Shreveport .....	22.4	25.0	25.6	9.3	9.3	9.2	33.9	33.5	33.6
<b>Maine</b> .....	106.2	109.0	108.0	17.8	17.6	17.6	89.2	89.9	94.5
Lewiston-Auburn .....	10.8	11.4	11.5	1.3	1.2	1.2	7.8	7.7	7.9
Portland .....	15.9	16.6	16.8	5.5	5.4	5.4	25.5	26.7	27.2
<b>Maryland</b> .....	210.0	214.7	213.9	87.3	86.5	88.1	412.2	418.8	427.2
Baltimore SMSA .....	140.0	142.2	140.9	58.7	57.3	57.7	218.2	221.0	223.7
Baltimore City .....	56.3	54.6	53.0	36.0	34.5	34.7	91.5	94.1	94.7

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>a</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>a</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>a</sup>
<b>Georgia</b> .....	120.2	124.3	125.5	393.1	409.6	419.6	443.1	440.2	440.9
Albany .....	2.1	2.1	2.1	6.3	6.2	6.1	10.9	11.0	10.7
Athens .....	1.7	1.7	1.7	7.1	7.5	7.4	17.9	18.0	18.1
Atlanta .....	75.2	76.4	76.5	228.8	241.4	244.0	167.2	167.0	166.3
Augusta .....	4.5	4.7	4.8	20.0	19.7	19.8	32.7	33.2	33.2
Columbus .....	5.4	5.6	5.6	11.8	11.7	11.8	19.4	19.5	19.4
Macon .....	6.3	6.4	6.4	18.2	18.4	18.5	30.3	31.0	31.1
Savannah .....	4.0	4.4	4.5	17.3	17.8	17.9	16.6	16.2	16.2
<b>Hawaii</b> .....	31.7	31.3	30.9	104.0	105.8	105.6	93.2	92.7	92.5
Honolulu .....	27.3	27.1	26.7	81.2	83.0	82.8	79.4	78.9	78.6
<b>Idaho</b> .....	22.9	23.2	23.2	59.4	62.3	63.1	70.0	70.2	70.2
Boise City .....	7.7	8.0	8.1	15.4	15.6	15.8	15.8	16.0	16.2
<b>Illinois</b> .....	321.0	317.2	317.3	1,010.4	1,006.8	1,009.2	719.3	702.1	702.5
Bloomington-Normal .....	8.5	8.7	8.7	9.0	8.9	9.0	11.4	11.4	11.3
Champaign-Urbana-Rantoul .....	2.4	2.4	2.4	11.7	12.2	12.1	31.1	32.0	32.3
Chicago-Gary .....	248.2	245.1	246.5	773.6	778.1	780.7	418.6	410.5	411.7
Chicago SMSA .....	239.7	236.6	237.9	735.5	740.3	742.4	387.9	382.0	381.5
Davenport-Rock Island-Moline .....	7.1	7.1	7.2	26.3	26.3	26.5	26.5	27.0	27.6
Decatur .....	2.7	2.7	2.8	9.1	9.0	9.0	5.2	5.1	5.3
Kankakee .....	1.5	1.5	1.5	7.3	7.0	7.0	7.3	7.6	7.6
Peoria .....	6.5	6.5	6.5	27.4	27.6	27.5	16.3	16.2	16.2
Rockford .....	4.3	4.1	4.1	19.7	20.2	20.4	12.3	12.5	12.5
Springfield .....	7.6	7.4	7.4	18.6	18.6	18.6	29.4	29.4	29.6
<b>Indiana</b> .....	100.0	99.9	100.2	360.7	362.9	367.8	336.1	333.3	336.3
Anderson .....	1.6	1.6	1.6	8.3	8.3	8.4	5.5	5.6	5.6
Elkhart .....	2.0	2.1	2.1	9.9	10.3	10.4	5.1	5.1	5.1
Evansville .....	4.4	4.5	4.5	26.8	26.5	26.8	12.1	12.1	12.2
Fort Wayne .....	10.4	10.4	10.5	29.9	29.9	30.4	18.0	17.5	17.5
Gary-Hammond-East Chicago .....	8.5	8.5	8.6	38.1	37.8	38.3	30.7	28.5	30.2
Indianapolis .....	38.2	39.2	( <sup>a</sup> )	100.2	104.1	( <sup>a</sup> )	82.8	83.0	( <sup>a</sup> )
Lafayette-West Lafayette .....	2.5	2.5	2.5	9.4	9.3	9.6	19.9	20.0	20.1
Muncie .....	1.5	1.5	1.5	8.4	8.4	8.6	11.0	10.7	11.1
South Bend .....	5.2	5.2	5.3	26.5	27.2	27.4	12.3	12.4	12.4
Terre Haute .....	2.0	2.0	2.1	10.3	10.6	10.6	12.2	11.9	12.0
<b>Iowa</b> .....	59.0	60.2	60.4	212.3	209.6	210.6	208.3	209.9	209.8
Cedar Rapids .....	4.4	4.3	4.4	15.8	15.8	15.8	9.7	10.2	10.2
Des Moines .....	21.8	22.3	22.3	41.3	41.0	41.0	27.5	27.7	27.6
Dubuque .....	1.3	1.3	1.3	10.5	10.7	10.7	3.8	3.7	3.7
Sioux City .....	2.5	2.5	2.5	11.8	11.7	11.8	6.0	5.9	6.0
Waterloo-Cedar Falls .....	2.2	2.3	2.2	11.0	10.6	10.6	10.8	10.8	10.7
<b>Kansas</b> .....	49.3	49.0	49.4	173.8	174.1	175.5	191.8	192.2	193.5
Lawrence .....	.8	.8	.9	3.9	4.0	4.0	10.8	10.6	10.6
Topeka .....	5.8	5.8	5.9	18.1	17.7	17.7	21.7	22.0	21.9
Wichita .....	9.8	9.8	9.8	40.0	39.9	40.2	24.8	25.7	25.8
<b>Kentucky</b> .....	52.9	53.0	52.9	225.3	224.4	229.9	226.2	221.9	221.8
Lexington-Fayette .....	7.4	7.4	7.3	34.3	33.8	35.0	32.1	30.9	30.6
Louisville .....	23.8	24.4	24.8	80.5	80.3	81.0	55.8	53.4	53.9
Owensboro .....	1.2	1.3	1.2	6.2	6.4	6.5	4.6	4.8	4.8
<b>Louisiana</b> .....	82.3	83.5	83.6	305.1	310.8	311.0	319.1	319.9	319.2
Alexandria .....	2.8	2.9	2.9	11.6	11.8	11.8	15.8	16.0	15.9
Baton Rouge .....	12.2	12.3	12.3	38.1	39.3	39.6	53.4	54.2	53.6
Lafayette .....	3.8	3.8	3.8	18.4	18.4	18.4	11.1	10.3	10.4
Lake Charles .....	2.8	3.0	3.0	10.9	11.0	10.9	10.7	10.5	10.4
Monroe .....	4.0	4.1	4.1	10.1	10.1	10.3	10.6	8.9	9.0
New Orleans .....	31.8	31.4	31.4	123.4	124.8	124.6	84.1	84.7	84.3
Shreveport .....	8.0	8.1	8.1	30.9	31.9	31.6	26.5	26.3	26.2
<b>Maine</b> .....	17.8	18.3	18.5	80.5	80.9	83.2	84.5	84.8	84.4
Lewiston-Auburn .....	1.6	1.6	1.7	7.3	7.3	7.4	3.2	3.2	3.1
Portland .....	8.3	8.6	8.7	21.2	22.2	22.8	13.5	14.7	14.4
<b>Maryland</b> .....	96.5	96.1	97.1	398.1	406.9	408.5	395.6	396.9	395.9
Baltimore SMSA .....	59.1	58.9	59.2	213.4	215.6	216.9	205.3	204.4	204.2
Baltimore City .....	39.4	39.2	39.4	114.8	117.3	117.0	80.2	79.9	80.2

See footnotes at end of table.



**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Total			Mining			Construction		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>
<b>Massachusetts</b> .....	2,855.9	2,897.6	2,729.3	1.1	0.9	1.1	75.6	77.9	86.5
Boston .....	1,494.2	1,510.9	1,528.8	.4	.4	.4	41.5	37.8	41.2
Brockton .....	57.5	58.0	58.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	1.9	2.3
Fall River .....	54.5	54.6	55.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	1.2	1.7
Fitchburg-Leominster .....	40.0	41.4	42.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.1	1.3
Lawrence-Haverhill .....	112.9	113.5	114.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	2.9	3.1
Lowell .....	84.3	88.4	89.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	1.8	2.0
New Bedford .....	64.0	65.5	67.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	2.0	2.3
Pittsfield .....	50.4	50.8	51.6	.1	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.4	1.6
Springfield-Chicopee-Holyoke .....	231.7	229.1	231.7	.1	.1	.1	5.5	4.7	5.3
Worcester .....	156.3	157.5	157.6	.5	.3	.5	3.9	3.3	3.4
<b>Michigan</b> .....	3,145.4	3,255.3	3,261.1	8.4	8.6	9.3	76.7	81.3	90.5
Ann Arbor .....	135.5	141.1	141.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.6	3.6	3.8
Battle Creek .....	57.7	59.4	59.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.2	1.4
Bay City .....	30.8	31.7	31.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	.6	.5	.6
Benton Harbor .....	54.7	56.2	56.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.0	2.3
Detroit .....	1,520.6	1,568.7	1,580.3	.8	.7	.8	32.9	35.4	38.4
Flint .....	171.6	183.5	184.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.0	3.4	3.5
Grand Rapids .....	260.5	268.4	268.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.5	8.3	8.8
Jackson .....	45.3	48.4	46.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	.8	.8	1.0
Kalamazoo-Portage .....	104.2	106.6	107.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.9	2.9	3.2
Lansing-East Lansing .....	186.1	196.2	187.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.0	4.1	5.3
Muskegon-Norton Shores-Muskegon Heights .....	53.0	55.7	56.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	1.7	2.0
Saginaw .....	75.9	79.5	80.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.7	1.9
<b>Minnesota</b> .....	1,688.8	1,742.1	1,779.2	9.2	9.8	10.1	49.9	52.0	59.4
Duluth-Superior .....	50.7	51.3	51.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.0	.9	1.1
Minneapolis-St. Paul .....	1,059.9	1,101.0	1,120.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	31.7	33.0	35.1
Rochester .....	50.2	50.9	51.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.3	1.4
St. Cloud .....	55.2	56.2	57.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	2.2	2.5
<b>Mississippi</b> .....	784.4	799.4	805.4	8.8	9.1	9.0	35.8	31.9	32.5
Jackson .....	143.9	147.4	148.4	1.6	1.7	1.7	5.5	6.5	6.6
<b>Missouri</b> .....	1,909.6	1,926.9	1,948.1	6.5	6.4	5.9	72.3	68.3	73.2
Kansas City .....	602.6	617.1	623.0	.5	.5	.5	19.1	21.9	22.7
St. Joseph .....	36.3	36.2	36.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.1	1.3	1.6
St. Louis .....	981.3	996.5	1,004.1	3.5	3.5	3.4	40.5	41.9	44.0
Springfield .....	88.6	90.5	91.5	.1	.1	.1	2.9	3.0	3.2
<b>Montana</b> .....	267.6	268.6	270.9	7.1	6.4	6.4	11.3	10.2	11.5
<b>Nebraska</b> .....	602.2	612.5	617.2	1.8	1.5	1.6	20.3	17.6	18.9
Lincoln .....	95.1	96.6	96.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.6	2.7	2.8
Omaha .....	258.8	266.7	268.0	.1	.2	.2	8.7	7.7	8.4
<b>Nevada</b> .....	397.9	416.4	411.9	5.6	6.3	6.3	18.2	20.2	20.5
Las Vegas .....	225.4	235.9	229.9	.3	.3	.3	11.6	12.8	13.1
Reno .....	109.5	114.8	115.6	.5	.7	.7	4.3	4.9	5.1
<b>New Hampshire</b> .....	397.1	415.7	417.3	.4	.3	.4	22.5	22.0	21.3
Manchester .....	77.6	80.5	81.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.1	3.4	3.6
Nashua .....	70.9	74.0	75.0	.1	.1	.1	2.8	2.5	2.8
<b>New Jersey</b> .....	3,106.0	3,191.8	3,226.5	1.9	1.8	1.9	104.1	113.4	121.6
Atlantic City .....	102.3	104.8	107.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.1	4.7	5.3
Camden .....	353.9	358.1	362.7	.1	.1	.1	11.9	12.2	13.0
Hackensack .....	408.7	413.6	417.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.2	13.7	14.6
Jersey City .....	215.3	218.6	218.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.5	5.1	5.3
Long Branch-Asbury Park .....	168.5	173.2	176.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.5	7.7	7.9
New Brunswick-Perth Amboy-Sayreville .....	292.7	299.1	302.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.5	9.5	10.2
Newark .....	945.6	973.9	977.5	.6	.5	.5	29.1	29.4	30.8
Paterson-Clifton-Passaic .....	187.7	189.7	191.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.0	6.7	7.3
Trenton .....	164.4	169.5	170.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	2.9	3.0
Vineland-Millville-Bridgeton .....	52.1	52.2	51.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.7	1.8
<b>New Mexico</b> .....	472.5	489.5	493.0	20.2	21.5	21.4	32.1	33.2	34.5
Albuquerque .....	195.7	205.7	206.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.7	13.9	14.3
Las Cruces .....	32.6	35.3	35.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.4	2.5

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>
<b>Massachusetts</b> .....	618.0	638.2	636.8	119.6	120.8	121.8	588.8	607.5	623.2
Boston .....	280.5	287.5	288.5	71.6	71.5	72.2	329.5	330.1	336.9
Brockton .....	11.1	11.1	10.9	3.8	4.1	4.1	15.9	16.3	16.8
Fall River .....	19.5	19.6	19.7	1.6	2.0	2.0	12.1	12.5	12.7
Fitchburg-Leominster .....	16.1	16.5	16.3	1.6	1.5	1.6	8.2	9.1	9.5
Lawrence-Haverhill .....	41.0	42.5	42.4	4.8	4.7	4.6	22.8	22.1	22.5
Lowell .....	32.9	36.8	37.0	3.1	3.1	3.0	17.6	17.4	17.8
New Bedford .....	23.6	25.6	25.8	2.4	2.2	2.4	13.2	12.6	12.9
Pittsfield .....	15.4	15.6	15.7	1.4	1.3	1.2	11.6	11.7	12.3
Springfield-Chicopee-Holyoke .....	54.7	55.3	55.3	9.3	9.3	9.4	49.5	48.2	49.5
Worcester .....	39.3	39.8	39.9	7.1	6.6	6.6	36.2	36.3	37.4
<b>Michigan</b> .....	862.7	936.9	928.9	137.2	138.5	137.5	676.7	691.7	700.0
Ann Arbor .....	32.1	35.1	35.2	3.0	3.1	3.1	20.4	20.5	20.6
Battle Creek .....	16.6	17.5	17.3	2.0	1.9	1.9	9.4	10.3	10.3
Bay City .....	7.7	8.1	8.1	1.6	1.5	1.5	8.3	8.3	8.3
Benton Harbor .....	18.3	19.1	19.0	2.2	2.3	2.3	10.4	10.5	10.7
Detroit .....	410.7	437.9	440.2	71.5	70.8	70.8	346.4	358.9	363.6
Flint .....	62.8	69.5	69.7	5.5	5.0	4.9	39.1	41.5	42.0
Grand Rapids .....	84.3	90.7	91.2	10.5	10.6	10.6	63.9	64.2	64.6
Jackson .....	11.2	11.7	11.7	5.0	4.9	4.9	9.4	9.6	9.6
Kalamazoo-Portage .....	30.1	31.8	32.0	3.9	3.6	3.5	21.9	22.1	22.5
Lansing-East Lansing .....	38.3	41.7	32.7	5.5	5.2	5.1	34.3	35.7	36.2
Muskegon-Norton Shores-Muskegon Heights .....	16.5	18.9	18.9	2.8	2.8	2.8	10.8	11.0	11.2
Saginaw .....	24.2	26.8	26.7	4.5	4.6	4.6	16.8	16.4	16.7
<b>Minnesota</b> .....	337.5	353.1	357.6	92.0	93.6	95.6	420.8	429.9	442.5
Duluth-Superior .....	4.5	4.5	4.0	4.9	4.5	4.7	13.8	13.9	14.2
Minneapolis-St. Paul .....	229.4	241.3	244.7	60.8	63.5	65.0	258.0	262.6	269.6
Rochester .....	9.9	10.4	10.4	1.9	2.0	2.0	10.3	10.0	10.1
St. Cloud .....	10.6	10.3	10.7	3.5	3.4	3.4	15.6	16.2	16.5
<b>Mississippi</b> .....	197.7	209.7	211.8	38.3	38.3	38.3	162.2	165.7	167.9
Jackson .....	15.8	16.0	16.2	9.9	9.8	9.9	35.2	36.1	36.4
<b>Missouri</b> .....	393.2	416.7	417.5	130.9	134.8	135.3	453.7	448.2	456.6
Kansas City .....	105.8	115.0	115.1	49.6	49.6	50.0	155.2	156.6	158.6
St. Joseph .....	8.6	8.8	8.7	2.1	2.0	2.0	8.8	8.5	8.5
St. Louis .....	210.3	220.3	220.6	70.1	71.0	71.2	227.6	230.2	231.5
Springfield .....	17.7	18.9	19.1	6.1	5.8	5.9	24.5	24.9	25.2
<b>Montana</b> .....	20.3	20.0	20.6	19.8	20.0	20.3	69.9	69.6	70.3
<b>Nebraska</b> .....	83.0	88.5	89.3	42.7	41.7	42.0	155.5	156.1	157.3
Lincoln .....	11.3	11.9	11.9	6.3	6.3	6.4	21.1	20.7	20.9
Omaha .....	32.2	36.2	36.3	21.9	21.7	21.9	66.3	66.8	66.9
<b>Nevada</b> .....	18.8	20.0	20.2	24.4	24.7	24.6	78.2	81.8	82.2
Las Vegas .....	7.0	7.7	7.8	13.8	14.0	13.9	45.1	47.0	46.7
Reno .....	7.3	7.8	7.8	8.0	8.0	8.0	23.5	25.2	25.6
<b>New Hampshire</b> .....	110.6	118.4	119.2	15.2	15.4	15.4	90.4	95.0	96.4
Manchester .....	16.1	17.0	17.0	5.1	5.0	5.1	20.5	21.4	21.6
Nashua .....	32.5	35.1	35.2	2.0	2.0	2.0	13.9	14.3	14.5
<b>New Jersey</b> .....	703.0	726.0	728.8	200.6	207.4	207.6	713.7	736.7	750.8
Atlantic City .....	7.7	7.5	7.8	4.6	4.7	4.7	18.8	18.5	19.6
Camden .....	69.0	70.9	71.5	16.0	16.1	16.5	92.6	94.3	96.5
Hackensack .....	100.9	102.2	101.7	21.1	21.3	21.6	123.9	126.6	128.0
Jersey City .....	56.1	58.3	58.2	26.1	26.2	26.0	46.2	46.4	46.6
Long Branch-Asbury Park .....	23.0	22.8	23.0	6.7	6.9	7.0	43.0	44.0	45.2
New Brunswick-Perth Amboy-Sayreville .....	80.7	82.2	83.1	23.6	23.5	23.7	70.5	71.0	71.8
Newark .....	218.2	224.4	223.3	77.3	80.7	80.4	190.0	200.3	202.3
Paterson-Clifton-Passaic .....	63.2	64.0	64.6	7.2	6.8	6.7	41.0	41.0	41.2
Trenton .....	30.9	31.2	31.3	5.3	5.1	5.1	25.9	28.1	28.3
Vineland-Millville-Bridgeton .....	16.7	15.8	15.4	2.4	2.7	2.7	9.3	9.3	9.4
<b>New Mexico</b> .....	33.8	34.7	34.8	29.7	29.3	29.4	107.8	112.7	114.0
Albuquerque .....	18.1	19.2	19.3	12.0	11.9	11.8	48.6	50.7	51.0
Las Cruces .....	3.2	3.2	3.3	1.4	1.3	1.3	6.0	6.9	6.9

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>
<b>Massachusetts</b> .....	168.6	170.0	171.5	709.6	711.1	718.1	374.6	371.2	370.3
Boston .....	118.5	119.4	120.7	466.7	477.5	483.6	185.5	186.7	185.3
Brockton .....	2.1	2.1	2.1	11.1	11.3	11.3	11.5	11.2	11.1
Fall River .....	2.8	2.9	2.9	9.9	10.0	10.2	6.9	6.4	6.6
Fitchburg-Leominster .....	1.2	1.2	1.2	6.4	6.2	6.4	5.2	5.8	5.7
Lawrence-Haverhill .....	4.3	4.4	4.4	20.6	20.1	20.6	16.6	16.8	16.8
Lowell .....	2.4	2.4	2.5	14.1	14.5	15.0	12.0	12.4	12.3
New Bedford .....	2.2	2.2	2.2	11.0	10.9	11.3	9.8	10.0	10.1
Pittsfield .....	2.3	2.2	2.3	11.5	11.7	11.5	6.8	6.8	6.9
Springfield-Chicopee-Holyoke .....	13.9	13.5	13.7	51.1	50.4	50.9	47.6	47.6	47.5
Worcester .....	9.6	9.3	9.5	35.9	38.5	37.2	23.8	23.4	23.1
<b>Michigan</b> .....	149.6	153.5	153.6	651.1	660.3	660.2	582.9	584.5	581.1
Ann Arbor .....	4.1	4.4	4.4	24.8	25.5	25.8	47.4	48.8	48.6
Battle Creek .....	4.0	4.0	4.0	11.8	11.9	12.0	12.3	12.6	12.5
Bay City .....	1.3	1.4	1.4	6.2	6.5	6.6	5.2	5.3	5.4
Benton Harbor .....	1.9	1.9	1.9	11.8	12.1	12.3	8.0	8.3	8.2
Detroit .....	86.8	87.7	87.7	352.6	359.3	361.6	219.0	218.0	217.3
Flint .....	5.9	5.9	5.9	28.7	29.6	29.8	26.8	28.5	28.4
Grand Rapids .....	10.9	11.0	11.0	53.8	54.5	54.1	28.6	29.1	28.1
Jackson .....	1.6	1.6	1.6	9.4	9.5	9.5	8.0	8.3	8.3
Kalamazoo-Portage .....	4.0	4.1	4.1	21.7	22.2	22.1	19.7	19.9	20.0
Lansing-East Lansing .....	9.7	9.6	9.6	29.5	32.0	31.6	65.9	67.9	66.8
Muskegon-Norton Shores-Muskegon Heights .....	1.4	1.4	1.4	10.0	10.1	10.1	9.5	9.8	9.7
Saginaw .....	3.8	3.6	3.6	13.9	14.5	14.6	11.1	11.9	11.9
<b>Minnesota</b> .....	100.1	103.0	104.2	387.4	401.6	409.4	291.8	299.3	300.4
Duluth-Superior .....	2.0	2.2	2.2	13.2	13.8	13.7	11.3	11.5	11.6
Minneapolis-St. Paul .....	74.5	77.1	77.6	253.2	267.0	271.7	152.4	156.5	156.6
Rochester .....	1.5	1.6	1.6	20.3	20.3	20.3	4.9	5.4	5.3
St. Cloud .....	2.0	2.1	2.1	10.2	10.9	11.1	11.4	11.0	11.0
<b>Mississippi</b> .....	33.4	34.2	34.3	125.3	126.9	127.9	182.9	183.5	183.6
Jackson .....	11.4	11.6	11.7	30.0	30.9	31.2	34.5	34.8	34.8
<b>Missouri</b> .....	110.4	108.5	109.4	410.0	408.1	413.7	332.6	335.9	336.5
Kansas City .....	46.5	47.8	48.1	134.6	135.6	137.7	91.3	90.1	90.3
St. Joseph .....	2.0	2.0	2.0	7.7	7.6	7.7	6.0	5.9	6.1
St. Louis .....	59.6	59.2	59.6	230.2	232.0	235.5	139.5	138.4	138.3
Springfield .....	3.8	3.8	3.8	21.2	22.2	22.3	12.3	11.8	11.9
<b>Montana</b> .....	12.9	13.0	12.9	56.7	58.7	58.2	69.6	70.7	70.7
<b>Nebraska</b> .....	41.5	42.1	42.4	125.5	127.1	128.1	132.0	137.9	137.6
Lincoln .....	7.0	7.1	7.2	18.3	19.1	19.3	28.6	28.7	28.4
Omaha .....	24.0	24.5	24.7	63.9	65.3	65.4	41.8	44.3	44.3
<b>Nevada</b> .....	18.2	19.3	19.3	175.4	184.1	179.1	59.1	60.0	59.7
Las Vegas .....	10.4	11.1	11.1	109.4	114.5	108.4	27.8	28.5	28.6
Reno .....	6.1	6.2	6.2	42.9	44.9	45.4	16.9	17.1	16.8
<b>New Hampshire</b> .....	21.0	22.1	22.4	80.0	86.4	86.1	57.0	56.1	56.1
Manchester .....	6.2	6.3	6.4	18.1	18.8	18.9	8.5	8.6	8.5
Nashua .....	2.1	2.3	2.4	11.9	12.3	12.6	5.6	5.4	5.4
<b>New Jersey</b> .....	170.5	174.5	175.4	685.0	694.5	704.0	527.2	537.5	536.4
Atlantic City .....	4.8	4.9	5.0	45.7	47.5	47.9	16.6	17.0	17.0
Camden .....	17.9	18.5	18.5	76.9	75.1	75.5	69.5	70.9	71.1
Hackensack .....	19.7	20.3	20.6	83.6	85.7	86.5	44.1	43.8	44.1
Jersey City .....	8.3	8.6	8.7	34.6	33.7	33.3	39.4	40.3	40.2
Long Branch-Asbury Park .....	8.0	8.4	8.4	44.7	46.0	47.1	36.6	37.4	37.6
New Brunswick-Perth Amboy-Sayreville .....	13.7	14.2	14.4	47.7	49.2	49.8	48.0	49.5	49.4
Newark .....	68.3	68.5	69.2	219.5	224.2	225.5	142.5	145.9	145.5
Paterson-Clifton-Passaic .....	9.5	9.2	9.1	35.8	36.1	36.6	25.1	25.9	25.8
Trenton .....	7.8	7.7	7.7	44.0	46.7	46.9	47.6	47.8	47.7
Vineland-Millville-Bridgeton .....	2.6	2.7	2.7	9.0	9.2	9.3	10.5	10.8	10.6
<b>New Mexico</b> .....	23.0	23.7	23.9	97.6	102.6	103.2	128.3	131.8	131.8
Albuquerque .....	11.5	12.1	12.2	49.6	52.6	52.9	43.2	45.3	45.3
Las Cruces .....	1.3	1.4	1.4	4.5	4.8	4.7	14.1	15.3	15.2

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Total			Mining			Construction		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>
<b>New York</b> .....	7,230.8	7,351.3	7,417.3	6.9	6.7	7.2	215.5	210.3	225.7
Albany-Schenectady-Troy .....	338.0	344.3	346.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.6	10.0	11.0
Binghamton .....	115.6	118.1	118.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.5	3.9	4.0
Buffalo .....	458.0	461.7	463.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.0	11.6	12.8
Elmira .....	33.1	33.6	34.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	.8	.7	.8
Glens Falls .....	37.6	37.4	38.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	.9	.8	.9
Monroe County .....	337.6	341.1	342.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.5	8.6	9.4
Nassau-Suffolk .....	968.3	984.8	1,002.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	39.7	39.7	42.9
Newburgh-Middletown .....	81.5	82.1	83.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.2	2.6
New York-Northeastern New Jersey .....	6,806.4	6,937.9	6,988.3	2.3	2.3	2.3	207.6	209.2	220.2
New York and Nassau-Suffolk .....	4,758.2	4,843.2	4,881.8	2.2	2.3	2.3	146.3	144.8	152.0
New York SMSA .....	3,790.0	3,858.3	3,879.4	2.0	2.1	2.1	106.6	105.1	109.1
New York City .....	3,335.3	3,396.1	3,415.2	1.7	1.8	1.8	86.8	86.0	88.7
Poughkeepsie .....	104.9	106.5	108.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.4	3.6	4.0
Rochester .....	413.3	418.4	421.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.4	10.6	11.6
Rockland County .....	85.3	86.7	86.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	2.6	2.9
Syracuse .....	261.3	263.8	268.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.3	12.4	13.1
Utica-Rome .....	110.0	112.1	113.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.3	2.7
Westchester County .....	356.8	362.4	364.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.3	15.9	16.9
<b>North Carolina</b> .....	2,378.4	2,465.0	2,474.9	4.3	4.4	4.5	106.1	116.9	119.0
Asheville .....	70.5	70.0	70.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	2.7	2.7
Charlotte-Gastonia .....	343.3	353.1	353.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.5	18.0	18.3
Greensboro-Winston-Salem-High Point .....	388.3	398.7	401.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.4	18.2	18.5
Raleigh-Durham .....	292.0	301.9	303.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	15.1	16.2	16.5
<b>North Dakota</b> .....	245.4	245.5	248.7	6.1	7.5	7.5	14.6	12.1	13.3
Fargo-Moorhead .....	61.6	62.8	63.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.1	2.2
<b>Ohio</b> .....	4,041.8	4,120.3	4,166.6	25.2	27.2	27.3	116.1	114.5	123.8
Akron .....	242.5	246.4	249.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.8	5.6	6.4
Canton .....	141.9	145.0	146.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.7	3.8	4.3
Cincinnati .....	570.6	576.7	584.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.2	18.9	19.6
Cleveland .....	818.0	821.2	827.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	22.7	22.4	23.6
Columbus .....	495.0	509.1	514.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	14.0	13.9	15.0
Dayton .....	332.4	341.2	343.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.2	8.0	8.6
Toledo .....	276.2	288.2	291.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.1	8.7	9.0
Youngstown-Warren .....	176.4	179.0	181.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.4	4.2	4.7
<b>Oklahoma</b> .....	1,165.6	1,176.3	1,177.0	78.3	72.9	72.3	50.5	47.1	46.9
Enid .....	26.6	26.8	26.6	2.3	2.2	2.2	1.3	1.3	1.3
Lawton .....	32.3	32.1	32.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.3	1.2
Oklahoma City .....	419.5	432.5	435.4	22.5	23.9	23.8	18.5	18.5	18.9
Tulsa .....	300.7	305.4	305.5	22.8	22.8	22.9	14.2	14.5	14.5
<b>Oregon</b> .....	952.6	979.9	984.2	1.4	1.7	1.7	23.9	23.3	23.9
Eugene-Springfield .....	89.7	92.7	93.3	.2	.2	.2	2.2	2.0	2.1
Medford .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Portland .....	516.6	525.5	528.5	.6	.6	.6	14.8	14.5	14.8
Salem .....	79.6	81.2	81.6	.1	.1	( <sup>1</sup> )	2.1	2.1	2.1
<b>Pennsylvania</b> .....	4,491.7	4,535.9	4,588.8	38.4	38.9	39.8	156.2	144.9	163.2
Allentown-Bethlehem-Easton .....	244.9	249.2	252.3	.6	.6	.6	7.3	6.7	7.3
Altoona .....	45.1	45.6	46.1	.1	.1	.1	1.5	1.2	1.4
Delaware Valley .....	1,557.3	1,581.4	1,593.1	1.0	1.1	1.1	56.1	57.4	61.2
Erie .....	102.6	104.1	106.2	.2	.2	.3	2.4	2.6	2.7
Harrisburg .....	220.4	225.2	227.4	.1	.1	.1	7.0	6.4	7.1
Johnstown .....	71.8	72.9	74.5	5.3	6.1	6.1	1.8	1.6	1.8
Lancaster .....	151.2	155.1	156.5	.4	.3	.4	5.8	6.3	6.3
Northeast Pennsylvania .....	231.0	231.5	233.5	.8	.7	.7	10.3	6.1	6.8
Philadelphia SMSA .....	1,912.3	1,939.9	1,956.2	1.1	1.2	1.2	68.0	69.6	74.2
Philadelphia City .....	746.5	750.3	754.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.7	16.9	17.7
Pittsburgh .....	857.8	845.9	854.4	6.7	6.5	6.6	36.2	34.0	36.7
Reading .....	132.9	139.2	140.8	.2	.2	.2	4.0	4.0	4.4
Sharon .....	39.9	39.1	39.9	.4	.4	.4	.9	.6	.8
State College .....	46.5	47.5	48.1	.3	.3	.3	1.1	.9	1.0
Williamsport .....	43.4	44.7	44.9	.2	.1	.1	1.0	.9	.9
York .....	146.7	150.0	152.3	.4	.4	.4	5.6	5.2	5.4

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>
<b>New York</b> .....	1,285.3	1,307.4	1,306.0	412.0	409.4	409.2	1,467.7	1,497.9	1,517.7
Albany-Schenectady-Troy .....	50.2	51.3	50.3	15.2	14.9	15.0	68.0	71.5	72.8
Binghamton .....	40.7	41.2	41.4	4.3	4.3	4.3	21.2	21.5	21.8
Buffalo .....	103.2	101.8	101.3	24.3	24.1	24.6	107.0	109.3	109.9
Elmira .....	7.9	8.1	8.1	1.3	1.4	1.4	8.2	8.7	8.9
Glens Falls .....	9.8	10.0	10.0	1.2	1.2	1.3	7.7	7.6	7.8
Monroe County .....	126.2	125.6	124.7	10.3	10.0	10.0	63.3	65.5	65.6
Nassau-Suffolk .....	166.5	170.7	171.5	43.0	44.0	43.6	251.4	259.1	263.9
Newburgh-Middletown .....	13.9	14.2	14.3	5.3	5.4	5.3	19.1	19.6	19.9
New York-Northeastern New Jersey .....	1,197.5	1,221.1	1,219.6	460.8	463.1	462.3	1,433.8	1,470.5	1,486.2
New York and Nassau-Suffolk .....	678.4	689.9	688.8	305.4	304.5	303.8	962.2	985.2	996.4
New York SMSA .....	511.9	519.2	517.3	262.5	260.6	260.2	710.7	726.1	732.4
New York City .....	430.1	435.1	433.5	239.7	236.6	236.3	602.9	616.0	621.8
Poughkeepsie .....	33.7	33.8	33.9	3.0	3.3	3.3	17.1	17.2	17.5
Rochester .....	143.9	144.8	144.4	12.8	12.6	12.6	80.7	83.0	83.6
Rockland County .....	15.6	15.7	15.6	3.6	3.6	3.6	18.5	19.0	19.0
Syracuse .....	53.8	57.1	57.4	14.6	14.7	14.8	57.3	57.5	58.3
Utica-Rome .....	26.3	27.4	27.2	4.1	4.1	4.1	21.6	22.7	23.2
Westchester County .....	64.9	67.1	66.8	18.8	19.8	19.8	86.3	87.7	88.1
<b>North Carolina</b> .....	775.0	809.7	811.6	118.5	120.6	121.2	492.4	515.3	518.3
Asheville .....	20.8	21.2	21.2	3.4	3.5	3.5	15.2	15.3	15.7
Charlotte-Gastonia .....	89.5	92.7	92.8	32.0	32.2	32.2	84.0	85.3	85.2
Greensboro-Winston-Salem-High Point .....	141.4	146.3	147.2	20.8	21.8	22.0	79.3	81.8	82.5
Raleigh-Durham .....	47.5	49.9	50.2	14.3	14.4	14.4	56.2	58.4	58.7
<b>North Dakota</b> .....	14.2	15.1	15.1	15.8	16.0	16.1	65.3	63.5	65.0
Fargo-Moorhead .....	4.2	4.6	4.4	3.8	3.6	3.6	18.5	18.5	18.8
<b>Ohio</b> .....	1,047.6	1,113.2	1,116.4	196.9	193.8	195.6	912.5	907.5	924.1
Akron .....	64.7	66.7	67.1	12.5	12.1	12.3	55.8	55.6	56.6
Canton .....	42.5	45.5	45.5	5.9	5.6	5.6	32.7	32.3	33.2
Cincinnati .....	139.7	144.1	144.7	31.3	30.6	30.6	138.3	136.6	139.3
Cleveland .....	205.1	211.6	211.4	41.2	40.2	41.1	190.2	188.0	189.7
Columbus .....	82.8	87.0	87.2	22.5	22.8	22.9	118.9	121.6	123.3
Dayton .....	84.5	91.1	91.1	12.6	12.6	12.7	70.9	70.4	71.6
Toledo .....	65.8	75.7	75.7	17.2	17.2	17.5	63.2	61.9	62.9
Youngstown-Warren .....	52.6	55.4	56.1	7.5	7.3	7.3	41.2	40.2	41.0
<b>Oklahoma</b> .....	163.8	172.7	172.7	67.8	66.5	65.8	278.8	286.6	287.6
Enid .....	2.4	2.5	2.4	2.7	2.7	2.6	7.2	7.4	7.4
Lawton .....	3.3	3.4	3.4	1.5	1.4	1.4	8.1	8.2	8.3
Oklahoma City .....	46.4	52.7	52.5	23.0	23.3	23.2	106.0	109.2	110.0
Tulsa .....	53.2	54.3	54.3	22.2	22.3	22.1	70.8	71.3	71.7
<b>Oregon</b> .....	179.5	191.6	193.9	54.7	55.8	55.8	236.3	244.7	247.0
Eugene-Springfield .....	16.3	18.3	18.5	4.3	4.2	4.3	22.7	23.3	23.6
Medford .....	6.9	7.8	8.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Portland .....	93.7	98.0	98.7	34.2	34.8	34.9	134.3	138.0	139.9
Salem .....	9.8	10.5	10.7	2.6	2.6	2.6	17.8	18.7	18.7
<b>Pennsylvania</b> .....	1,080.9	1,118.0	1,123.1	239.6	244.8	247.8	980.0	991.1	1,002.3
Allentown-Bethlehem-Easton .....	86.3	89.7	89.8	13.3	13.1	13.5	50.2	50.6	51.5
Altoona .....	10.6	11.1	11.1	4.8	5.2	5.2	10.6	10.6	10.8
Delaware Valley .....	315.4	321.1	321.7	77.9	79.3	78.8	337.1	343.2	347.3
Erie .....	33.5	35.9	36.2	4.3	3.4	4.4	21.3	21.1	21.5
Harrisburg .....	38.5	41.4	41.8	15.7	16.3	16.4	46.1	47.6	47.6
Johnstown .....	11.9	12.4	12.8	4.6	4.4	4.8	14.8	15.0	15.5
Lancaster .....	54.0	56.4	57.1	6.4	6.1	6.1	35.7	36.2	36.6
Northeast Pennsylvania .....	61.0	64.5	64.6	12.6	12.6	12.5	50.1	50.9	51.3
Philadelphia SMSA .....	384.5	392.5	393.5	93.8	95.4	95.3	431.3	437.4	443.9
Philadelphia City .....	108.6	109.4	109.6	47.6	48.3	48.0	141.6	141.5	143.5
Pittsburgh .....	168.0	163.8	163.8	50.6	51.4	51.7	203.4	201.4	205.0
Reading .....	47.5	51.9	51.9	5.7	5.6	5.6	27.9	28.6	29.5
Sharon .....	10.7	10.6	10.8	2.1	2.0	2.1	9.2	9.0	9.2
State College .....	7.2	7.8	7.9	1.1	1.2	1.3	8.8	8.5	8.6
Williamsport .....	14.0	14.8	15.1	1.9	2.0	1.9	9.3	9.6	9.6
York .....	54.8	57.7	58.1	6.8	6.2	6.9	33.5	35.0	35.9

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>a</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>a</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>a</sup>
<b>New York</b> .....	679.0	697.3	701.6	1,861.1	1,909.5	1,931.5	1,303.2	1,312.7	1,318.3
Albany-Schenectady-Troy .....	16.5	16.7	16.8	78.5	80.2	80.6	100.0	99.6	100.0
Binghamton .....	3.6	3.9	3.9	20.5	21.2	21.3	21.6	22.1	21.9
Buffalo .....	22.3	22.8	22.9	106.3	107.6	108.0	81.9	84.4	83.7
Elmira .....	1.1	1.1	1.1	7.5	7.4	7.4	6.2	6.2	6.4
Glens Falls .....	2.0	1.9	1.9	7.6	7.6	7.7	8.4	8.3	8.5
Monroe County .....	15.1	15.1	15.2	75.2	76.9	77.6	39.1	39.2	39.8
Nassau-Suffolk .....	57.2	58.2	58.5	235.2	239.5	246.1	175.3	173.7	175.9
Newburgh-Middletown .....	3.1	3.2	3.2	16.8	16.9	17.2	21.1	20.6	20.6
New York-Northeastern New Jersey .....	691.0	707.2	711.7	1,744.3	1,783.5	1,801.6	1,069.1	1,081.0	1,084.4
New York and Nassau-Suffolk .....	571.3	586.5	589.7	1,322.5	1,354.4	1,369.5	770.0	775.6	779.4
New York SMSA .....	514.1	528.3	531.2	1,087.5	1,115.1	1,123.6	594.7	601.9	603.6
New York City .....	488.9	502.8	505.5	967.6	992.6	1,000.2	517.7	525.3	527.4
Poughkeepsie .....	3.0	3.2	3.2	21.0	21.5	22.1	23.7	23.9	24.0
Rochester .....	16.9	16.8	16.9	88.0	89.8	90.9	60.6	60.9	61.7
Rockland County .....	3.4	3.4	3.4	20.7	21.6	21.6	20.6	20.8	20.4
Syracuse .....	17.1	17.4	17.6	58.5	57.5	59.5	47.8	47.2	47.6
Utica-Rome .....	5.9	6.1	6.1	21.9	21.7	21.9	28.2	28.0	27.8
Westchester County .....	21.4	21.6	21.8	96.0	97.6	98.5	53.1	52.7	52.5
<b>North Carolina</b> .....	99.1	102.7	103.0	366.6	370.0	371.9	416.4	425.4	425.4
Asheville .....	2.2	2.3	2.4	14.7	13.5	13.7	11.8	11.5	11.4
Charlotte-Gastonia .....	23.8	23.6	23.7	60.1	62.7	62.5	37.4	38.6	38.8
Greensboro-Winston-Salem-High Point .....	18.8	19.0	19.2	63.2	62.9	63.2	48.4	48.7	48.8
Raleigh-Durham .....	16.0	16.8	17.0	63.5	65.0	65.6	79.4	81.2	81.2
<b>North Dakota</b> .....	11.8	12.0	12.0	55.4	56.4	56.9	62.2	62.9	62.8
Fargo-Moorhead .....	3.8	4.0	4.0	16.1	16.4	16.7	13.1	13.6	13.5
<b>Ohio</b> .....	207.2	210.7	211.8	868.7	882.2	895.8	667.7	671.2	671.9
Akron .....	9.2	9.5	9.5	51.4	53.0	54.2	42.5	43.2	43.0
Canton .....	6.3	6.6	6.7	31.1	31.1	31.7	18.5	18.6	18.6
Cincinnati .....	32.6	33.0	33.1	129.1	131.4	135.2	81.0	81.7	81.5
Cleveland .....	48.3	48.1	47.9	193.6	196.7	199.3	115.8	112.7	112.8
Columbus .....	42.2	44.6	44.8	111.8	114.8	116.4	102.2	103.9	103.9
Dayton .....	13.6	13.9	14.0	75.4	77.7	77.8	66.9	67.3	67.5
Toledo .....	10.6	10.8	10.9	62.9	64.9	65.7	47.0	48.7	48.8
Youngstown-Warren .....	7.1	7.2	7.3	38.7	39.3	39.9	24.2	24.6	24.5
<b>Oklahoma</b> .....	62.0	62.4	62.2	216.7	220.7	222.3	247.7	247.4	247.2
Enid .....	1.3	1.3	1.3	5.5	5.4	5.4	3.9	4.0	4.0
Lawton .....	1.4	1.3	1.3	5.6	5.6	5.6	11.1	10.9	11.0
Oklahoma City .....	27.5	27.5	27.6	81.5	82.8	84.3	94.1	94.6	95.1
Tulsa .....	16.2	17.0	16.7	66.2	68.0	68.2	35.1	35.2	35.1
<b>Oregon</b> .....	64.1	65.7	65.6	194.5	197.8	198.1	198.2	199.3	198.2
Eugene-Springfield .....	4.3	4.5	4.4	18.5	18.6	18.7	21.2	21.6	21.5
Medford .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Portland .....	43.2	43.9	43.9	113.0	114.3	114.5	82.8	81.4	81.2
Salem .....	5.3	5.2	5.2	15.3	15.2	15.3	26.7	26.9	27.0
<b>Pennsylvania</b> .....	240.2	246.0	247.1	1,071.6	1,076.2	1,088.9	684.8	676.0	676.6
Allentown-Bethlehem-Easton .....	9.7	9.9	10.0	49.2	51.0	51.8	28.3	27.6	27.8
Altoona .....	1.5	1.5	1.5	9.0	9.1	9.2	7.0	6.8	6.8
Delaware Valley .....	109.8	113.4	113.4	435.0	443.7	447.3	225.0	222.2	222.3
Erie .....	4.6	4.7	4.7	23.5	23.8	23.9	12.8	12.4	12.5
Harrisburg .....	12.8	13.5	13.6	43.8	43.6	44.2	56.4	56.3	56.6
Johnstown .....	3.8	3.9	3.9	16.6	16.9	17.0	13.0	12.6	12.6
Lancaster .....	5.6	5.7	5.7	28.5	28.6	28.8	14.8	15.5	15.5
Northeast Pennsylvania .....	9.6	9.8	9.8	50.2	50.3	51.5	36.4	36.6	36.3
Philadelphia SMSA .....	127.6	131.9	131.9	511.4	518.8	522.8	294.6	293.1	293.4
Philadelphia City .....	64.2	64.0	63.7	230.4	233.5	235.1	137.4	136.7	136.7
Pittsburgh .....	48.0	48.0	48.1	233.2	233.5	234.7	111.7	107.3	107.8
Reading .....	6.0	6.4	6.4	25.2	25.8	26.1	16.4	16.7	16.7
Sharon .....	1.3	1.3	1.3	9.9	10.1	10.2	5.4	5.1	5.1
State College .....	1.4	1.4	1.4	6.7	6.9	7.1	19.9	20.5	20.5
Williamsport .....	2.1	2.2	2.2	8.7	8.9	8.9	6.2	6.2	6.2
York .....	4.2	4.0	4.2	23.4	23.8	23.8	18.0	17.7	17.6

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Total			Mining			Construction		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>
<b>Rhode Island</b> .....	390.5	399.1	401.8	0.1	0.1	0.1	10.7	11.3	12.3
Providence-Warwick-Pawtucket .....	392.8	401.2	403.6	.2	.2	.3	10.6	11.1	12.0
<b>South Carolina</b> .....	1,177.2	1,214.1	1,226.8	1.7	1.7	1.7	66.2	72.6	73.1
Charleston-North Charleston .....	152.7	157.1	159.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.9	10.8	10.6
Columbia .....	185.2	193.6	193.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.5	13.6	13.0
Greenville-Spartanburg .....	258.8	264.5	265.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	15.3	15.3	15.7
<b>South Dakota</b> .....	228.8	232.4	235.2	2.5	2.6	2.6	6.7	6.5	7.0
Sioux Falls .....	54.9	58.6	59.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	1.8	1.9
<b>Tennessee</b> .....	1,705.3	1,769.5	1,792.4	8.0	8.1	7.5	65.1	72.2	75.7
Chattanooga .....	164.1	165.3	165.9	1.1	1.1	1.2	5.4	5.8	6.1
Johnson City-Kingsport-Bristol .....	141.7	149.0	151.0	.3	.2	.2	5.9	7.1	8.4
Knoxville .....	200.8	202.6	203.6	1.4	1.3	1.3	7.6	9.0	8.9
Memphis .....	349.4	355.5	357.7	.1	.1	.1	12.6	13.8	13.8
Nashville-Davidson .....	376.4	392.2	392.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.0	20.9	21.5
<b>Texas</b> .....	6,143.9	6,286.2	6,313.3	262.2	265.5	265.5	418.0	406.3	407.1
Abilene .....	57.9	57.7	57.9	4.3	4.2	4.1	2.8	3.0	3.0
Amarillo .....	76.8	78.7	79.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	3.8	3.9
Austin .....	283.8	296.9	298.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.8	19.1	19.2
Beaumont-Port Arthur-Orange .....	141.7	140.5	140.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.0	9.4	8.1
Brownsville-Harlingen-San Benito .....	61.5	63.2	63.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.4	3.3	3.4
Bryan-College Station .....	45.3	46.6	46.6	1.1	1.1	1.1	2.9	3.1	3.1
Corpus Christi .....	130.7	128.2	128.7	7.4	7.3	7.3	12.9	9.9	10.2
Dallas-Fort Worth .....	1,570.4	1,631.5	1,646.7	29.2	28.2	28.0	92.3	99.9	100.6
El Paso .....	163.6	166.1	166.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.3	9.1	9.1
Galveston-Texas City .....	67.7	68.5	67.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.9	3.9	3.9
Houston .....	1,502.2	1,511.9	1,517.9	98.8	99.2	100.1	135.9	129.9	130.5
Killeen-Temple .....	59.3	61.8	62.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.3	3.8	3.9
Laredo .....	29.6	30.3	30.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.3	1.3
Longview-Marshall .....	67.4	66.7	67.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.9	4.6	4.7
Lubbock .....	91.6	91.2	91.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	4.1	4.3
McAllen-Pharr-Edinburg .....	79.0	78.5	78.1	1.4	1.3	1.4	5.1	5.2	5.0
Midland .....	50.1	55.5	54.9	12.1	12.6	12.6	3.8	3.4	3.3
Odessa .....	54.4	57.2	57.4	8.6	8.9	8.5	4.1	4.3	4.5
San Angelo .....	37.1	37.6	37.6	.9	.8	.8	2.4	2.3	2.3
San Antonio .....	432.4	449.0	450.4	3.3	3.5	3.5	30.1	31.3	32.1
Sherman-Denison .....	34.1	34.4	34.4	.2	.2	.2	1.4	1.3	1.3
Texarkana .....	45.7	46.6	46.5	.1	.1	.1	1.9	1.9	1.8
Tyler .....	56.8	58.0	58.0	3.0	2.9	2.9	2.6	2.4	2.4
Waco .....	73.1	75.5	76.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.6	4.0	4.1
Wichita Falls .....	51.8	53.2	53.5	3.1	3.2	3.2	2.0	2.1	2.2
<b>Utah</b> .....	555.5	585.3	589.5	13.1	13.7	13.7	24.8	29.2	30.6
Salt Lake City-Ogden .....	395.2	415.6	418.8	5.6	5.7	5.8	16.5	20.0	20.9
<b>Vermont</b> .....	201.6	206.1	205.3	.6	.6	.7	9.7	9.3	10.7
Burlington .....	62.2	63.1	63.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.9	3.1	3.5
Springfield .....	12.3	12.6	12.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	.9	.8	1.1
<b>Virginia</b> .....	2,168.0	2,240.3	2,264.8	17.1	18.5	18.8	106.6	115.3	121.4
Bristol .....	26.3	27.1	27.1	.1	.1	.1	.8	1.1	1.1
Charlottesville .....	57.3	57.9	58.3	.1	.1	.1	2.6	3.0	2.9
Danville .....	39.1	39.4	39.9	.1	.1	.1	1.3	1.4	1.4
Lynchburg .....	68.4	70.9	71.0	.1	.1	.1	2.4	2.5	2.6
Newport News-Hampton .....	155.8	160.5	164.5	.1	.1	.1	6.7	7.5	7.8
Norfolk-Virginia Beach-Portsmouth .....	296.0	308.3	312.5	.1	.1	.1	18.1	20.3	21.1
Northern Virginia .....	496.4	520.5	526.4	.5	.5	.5	25.2	29.6	30.5
Petersburg-Colonial Heights-Hopewell .....	41.2	40.9	40.7	.1	.1	.1	1.6	1.8	1.8
Richmond .....	329.7	337.6	338.3	.3	.3	.3	15.4	15.7	16.3
Roanoke .....	100.9	103.5	104.0	.1	.1	.1	4.8	5.1	5.3
<b>Washington</b> .....	1,568.8	1,605.9	1,617.3	2.6	2.9	2.9	69.6	67.6	69.1
Seattle-Everett .....	761.2	786.0	789.2	.4	.4	.4	32.3	34.1	34.2

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>
<b>Rhode Island</b> .....	113.5	118.2	118.9	13.3	13.5	13.5	81.2	83.2	83.6
Providence-Warwick-Pawtucket .....	123.8	127.6	127.7	13.5	13.7	13.9	81.1	82.7	83.1
<b>South Carolina</b> .....	355.8	371.9	372.0	53.5	54.9	55.4	234.6	238.1	244.9
Charleston-North Charleston .....	18.1	19.2	19.4	8.3	8.4	8.7	35.1	36.4	37.1
Columbia .....	25.1	26.8	26.6	9.4	8.5	8.5	39.0	40.5	40.6
Greenville-Spartanburg .....	95.4	99.6	99.8	9.5	9.2	9.4	54.0	54.5	54.7
<b>South Dakota</b> .....	24.9	26.8	26.9	12.3	12.2	12.2	60.7	61.1	62.6
Sioux Falls .....	7.8	8.2	8.3	4.5	4.5	4.4	15.3	16.6	17.2
<b>Tennessee</b> .....	461.5	489.7	493.2	85.5	87.1	88.8	382.1	394.2	402.8
Chattanooga .....	42.4	43.8	43.8	7.3	7.2	7.2	35.7	37.2	37.7
Johnson City-Kingsport-Bristol .....	50.3	52.8	52.7	6.1	6.1	6.0	28.3	28.0	28.4
Knoxville .....	47.9	50.1	50.5	7.5	6.7	6.7	45.9	46.1	46.6
Memphis .....	50.4	51.3	51.6	26.7	28.4	28.5	96.5	97.8	98.2
Nashville-Davidson .....	79.0	85.8	86.2	19.9	19.4	19.4	87.6	89.2	88.7
<b>Texas</b> .....	954.4	979.3	983.3	366.4	378.2	378.9	1,535.7	1,574.0	1,583.5
Abilene .....	6.9	5.9	5.9	3.1	3.2	3.2	14.9	15.1	15.1
Amarillo .....	9.6	9.7	9.7	6.4	6.6	6.6	22.6	23.6	24.1
Austin .....	33.1	34.4	34.8	8.0	8.1	8.2	63.4	66.9	67.5
Beaumont-Port Arthur-Orange .....	32.5	32.0	31.9	11.7	11.3	11.6	32.8	32.8	33.3
Brownsville-Harlingen-San Benito .....	10.8	10.8	11.0	3.1	3.1	3.0	16.7	17.1	17.0
Bryan-College Station .....	3.0	3.1	3.1	1.8	1.8	1.8	9.9	10.0	10.0
Corpus Christi .....	13.9	14.2	14.4	7.7	7.5	7.6	32.0	32.3	32.3
Dallas-Fort Worth .....	305.3	316.6	317.8	95.8	99.5	99.8	420.7	434.7	439.2
El Paso .....	35.0	36.9	37.4	9.9	9.6	9.6	39.8	39.9	39.7
Galveston-Texas City .....	10.5	10.1	9.7	6.1	6.1	6.0	12.6	12.3	12.4
Houston .....	203.1	196.9	197.6	103.6	103.9	104.5	364.1	367.9	368.2
Killeen-Temple .....	7.8	8.6	8.8	3.0	3.0	3.0	13.9	14.7	14.9
Laredo .....	1.7	1.8	1.9	3.2	3.2	3.1	8.9	9.1	9.0
Longview-Marshall .....	15.2	14.7	14.8	3.7	3.6	3.6	16.9	17.1	17.2
Lubbock .....	12.6	9.6	9.4	4.6	4.7	4.7	25.6	26.4	26.8
McAllen-Pharr-Edinburg .....	9.8	10.1	9.8	2.6	2.7	2.7	25.8	24.4	24.4
Midland .....	3.5	3.9	3.9	2.7	2.9	2.9	11.5	13.6	13.2
Odessa .....	6.4	5.8	5.9	3.0	3.0	3.0	15.5	16.9	17.0
San Angelo .....	5.6	5.6	5.6	3.8	3.7	3.7	8.8	9.1	9.2
San Antonio .....	48.7	50.5	50.7	17.7	18.6	18.7	109.0	114.8	115.5
Sherman-Denison .....	11.1	11.4	11.5	2.1	2.1	2.1	7.0	6.9	6.8
Texarkana .....	8.6	8.6	8.6	1.9	2.0	2.0	10.6	10.9	10.9
Tyler .....	11.6	12.1	12.2	2.8	3.0	3.0	14.4	14.6	14.6
Waco .....	15.1	15.6	15.7	3.2	3.2	3.2	18.1	19.1	19.5
Wichita Falls .....	8.5	9.0	9.2	2.8	2.8	2.8	13.0	13.4	13.4
<b>Utah</b> .....	82.1	91.4	92.4	35.5	35.9	35.9	130.2	136.1	137.6
Salt Lake City-Ogden .....	56.8	62.7	63.3	28.0	28.2	28.2	96.8	102.2	103.2
<b>Vermont</b> .....	46.8	47.6	48.0	8.7	8.7	8.7	42.3	43.0	43.2
Burlington .....	15.5	15.8	15.8	2.5	2.5	2.5	13.1	13.2	13.3
Springfield .....	4.0	4.0	4.0	.6	.6	.6	2.2	2.2	2.2
<b>Virginia</b> .....	394.1	409.0	410.2	118.7	121.5	122.5	465.4	488.3	497.1
Bristol .....	8.5	9.2	9.2	1.1	1.1	1.1	6.4	6.2	6.2
Charlottesville .....	10.0	9.9	10.1	1.9	1.8	1.8	9.6	9.8	9.9
Danville .....	18.3	18.5	18.8	.9	1.0	1.0	7.1	7.2	7.3
Lynchburg .....	25.8	27.0	27.2	2.9	3.0	3.0	12.2	12.4	12.4
Newport News-Hampton .....	37.8	39.2	39.5	4.7	4.7	4.7	31.5	33.0	34.0
Norfolk-Virginia Beach-Portsmouth .....	25.4	26.9	27.1	19.8	19.9	20.1	71.7	75.4	76.9
Northern Virginia .....	23.8	27.3	27.5	34.2	36.3	36.5	112.7	118.5	121.1
Petersburg-Colonial Heights-Hopewell .....	7.7	7.0	7.1	1.2	1.2	1.2	8.1	8.4	8.1
Richmond .....	54.7	55.9	55.5	19.6	19.7	19.8	78.6	81.7	81.2
Roanoke .....	19.4	19.7	19.7	8.4	8.0	8.1	25.2	27.2	27.3
<b>Washington</b> .....	275.7	280.3	282.0	87.1	89.7	90.2	385.0	398.1	404.1
Seattle-Everett .....	149.9	150.7	150.8	51.7	54.1	54.6	189.8	194.8	196.4

See footnotes at end of table.



**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>
<b>Rhode Island</b> .....	21.3	21.5	21.5	92.6	93.8	94.5	57.8	57.5	57.4
Providence-Warwick-Pawtucket .....	20.7	21.0	20.9	88.9	90.2	91.0	54.0	54.7	54.7
<b>South Carolina</b> .....	50.2	51.8	52.3	177.6	182.7	187.4	237.6	240.4	240.0
Charleston-North Charleston .....	7.2	7.2	7.6	27.4	27.2	27.8	46.6	47.8	47.9
Columbia .....	14.5	15.0	15.1	31.2	32.2	32.4	55.2	56.7	56.7
Greenville-Spartanburg .....	10.4	10.5	10.5	38.7	39.1	39.1	35.3	36.1	35.6
<b>South Dakota</b> .....	12.2	12.7	12.7	52.1	52.4	53.3	57.4	58.1	58.0
Sioux Falls .....	4.4	5.0	5.0	14.5	15.6	15.9	6.6	6.8	6.8
<b>Tennessee</b> .....	80.3	82.6	81.4	318.9	328.0	336.7	303.8	307.6	306.3
Chattanooga .....	9.7	10.0	9.8	30.5	29.3	29.7	32.0	30.9	30.4
Johnson City-Kingsport-Bristol .....	4.3	4.7	4.8	22.1	24.9	25.0	24.4	25.2	25.5
Knoxville .....	8.7	8.3	8.3	36.8	36.6	36.6	45.0	44.5	44.7
Memphis .....	20.0	21.1	21.3	79.3	81.0	81.9	63.8	62.0	62.3
Nashville-Davidson .....	26.0	27.8	27.9	83.7	86.9	86.4	62.1	62.2	62.1
<b>Texas</b> .....	388.4	401.6	401.9	1,169.4	1,205.3	1,216.1	1,049.4	1,076.0	1,077.0
Abilene .....	3.2	3.1	3.2	13.4	13.6	13.7	9.3	9.6	9.7
Amarillo .....	4.1	4.4	4.4	16.7	16.5	16.7	13.6	14.1	14.2
Austin .....	18.0	18.6	18.6	57.5	60.0	60.3	87.0	89.8	89.7
Beaumont-Port Arthur-Orange .....	5.6	5.6	5.7	28.7	29.1	29.2	20.4	20.3	20.3
Brownsville-Harlingen-San Benito .....	3.0	3.1	3.1	10.9	11.6	11.6	13.6	14.2	14.2
Bryan-College Station .....	1.8	1.9	1.9	6.6	6.8	6.8	18.2	18.8	18.8
Corpus Christi .....	6.4	6.5	6.5	23.8	23.7	23.6	26.6	26.8	26.8
Dallas-Fort Worth .....	125.6	133.7	135.8	314.8	327.5	334.1	186.7	191.4	191.4
El Paso .....	7.8	8.0	8.0	28.3	27.8	27.9	34.5	34.8	35.0
Galveston-Texas City .....	4.5	4.5	4.5	11.4	11.3	11.3	18.7	20.3	20.0
Houston .....	104.2	105.9	106.9	310.2	324.2	325.4	182.3	184.0	184.7
Killeen-Temple .....	2.4	2.4	2.4	10.9	11.1	11.3	18.0	18.2	18.2
Laredo .....	1.4	1.4	1.4	6.1	6.1	6.1	7.0	7.4	7.4
Longview-Marshall .....	2.9	2.8	2.8	15.7	15.7	15.7	8.1	8.2	8.3
Lubbock .....	5.2	5.4	5.4	18.9	19.8	19.8	20.7	21.2	21.1
McAllen-Pharr-Edinburg .....	3.1	3.3	3.3	11.0	11.4	11.5	20.2	20.1	20.0
Midland .....	3.5	3.9	3.9	7.8	9.4	9.3	5.2	5.8	5.8
Odessa .....	2.4	2.3	2.3	7.5	8.9	9.0	6.9	7.1	7.2
San Angelo .....	1.5	1.7	1.7	7.5	7.5	7.4	6.6	6.9	6.9
San Antonio .....	31.0	32.4	32.5	93.8	97.3	97.1	98.8	100.6	100.3
Sherman-Denison .....	1.2	1.3	1.3	6.3	6.3	6.3	4.8	4.9	4.9
Texarkana .....	1.7	1.7	1.7	8.1	8.5	8.6	12.8	12.9	12.8
Tyler .....	3.2	3.1	3.1	11.5	11.8	11.7	7.7	8.1	8.1
Waco .....	4.6	4.6	4.6	16.9	17.4	17.5	11.6	11.6	11.6
Wichita Falls .....	2.5	2.5	2.5	9.1	9.3	9.3	10.8	10.9	10.9
<b>Utah</b> .....	27.5	29.2	29.2	111.6	117.4	117.4	130.6	132.4	132.6
Salt Lake City-Ogden .....	22.6	23.8	24.0	76.3	79.3	80.0	92.7	93.7	93.5
<b>Vermont</b> .....	8.7	9.0	9.0	47.3	50.4	47.6	37.5	37.5	37.4
Burlington .....	2.6	2.6	2.7	14.6	14.8	15.1	11.0	11.1	11.0
Springfield .....	.3	.4	.4	2.6	2.9	2.6	1.7	1.7	1.7
<b>Virginia</b> .....	107.7	112.5	113.6	453.9	462.2	468.6	504.5	513.0	512.6
Bristol .....	.9	1.0	1.0	3.4	3.5	3.5	5.2	5.0	5.0
Charlottesville .....	2.7	2.7	2.7	8.9	8.9	9.0	21.5	21.7	21.7
Danville .....	1.1	1.1	1.2	5.1	5.0	5.0	5.2	5.2	5.2
Lynchburg .....	3.1	3.3	3.3	12.5	12.6	12.7	9.5	10.0	9.8
Newport News-Hampton .....	4.6	4.8	5.0	32.1	32.1	34.3	38.4	39.2	39.2
Norfolk-Virginia Beach-Portsmouth .....	15.2	15.6	16.0	65.0	67.5	68.7	80.9	82.6	82.6
Northern Virginia .....	29.9	31.0	31.3	145.6	153.1	154.7	124.4	124.3	124.3
Petersburg-Colonial Heights-Hopewell .....	1.2	1.2	1.2	6.9	7.0	7.0	14.5	14.3	14.3
Richmond .....	27.1	27.2	27.2	63.0	64.1	65.2	70.7	73.0	72.6
Roanoke .....	6.1	6.2	6.3	22.3	22.3	22.5	14.6	14.8	14.7
<b>Washington</b> .....	91.6	92.7	93.5	325.8	334.4	336.2	331.4	340.2	339.3
Seattle-Everett .....	57.2	58.0	58.3	160.2	168.8	169.6	119.7	125.1	124.9

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Total			Mining			Construction		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>
<b>West Virginia</b> .....	573.4	585.0	588.5	49.2	51.1	51.3	19.8	17.9	20.2
Charleston .....	103.9	103.7	104.0	4.4	3.8	3.8	4.5	3.8	4.3
Huntington-Ashland .....	91.4	91.3	92.3	.8	.7	.7	4.0	3.5	3.8
Parkersburg-Marietta .....	55.4	55.6	56.1	1.1	1.2	1.2	2.3	1.9	2.2
Wheeling .....	58.2	57.0	57.6	3.2	3.0	3.1	2.0	1.6	1.7
<b>Wisconsin</b> .....	1,820.8	1,858.1	1,878.2	1.8	1.9	2.2	47.0	48.5	51.3
Appleton-Oshkosh .....	124.0	126.2	127.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	4.4	4.3
Eau Claire .....	47.7	48.6	49.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.2	1.2	1.2
Green Bay .....	76.1	79.2	80.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.3	2.5
Janesville-Beloit .....	48.9	50.8	51.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.2	1.0	1.1
Kenosha .....	40.2	42.2	42.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.1	.9	.9
La Crosse .....	45.1	46.1	47.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.0	1.2	1.2
Madison .....	170.8	174.4	175.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.6	5.6	6.0
Milwaukee .....	613.5	623.6	626.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.6	13.6	14.2
Racine .....	61.4	63.5	63.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.0	.8	1.0
Sheboygan .....	40.7	42.1	42.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.9	2.0
Wausau .....	40.3	41.6	42.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.0	1.0	1.0
<b>Wyoming</b> .....	199.8	198.5	199.2	27.5	26.6	26.2	15.3	16.0	17.3
<b>Puerto Rico</b> .....	639.5	659.6	660.7	.7	.7	.7	21.8	27.4	27.7
Caguas .....	26.2	25.1	25.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Mayaguez .....	36.4	37.2	36.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Ponce .....	43.7	44.1	43.7	.1	.1	.1	1.6	1.9	1.8
San Juan .....	329.4	336.7	337.8	.2	.3	.3	15.6	18.6	19.2
<b>Virgin Islands</b> .....	36.2	35.9	35.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.6	2.5

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>
<b>West Virginia</b> .....	88.7	91.7	92.1	38.9	38.6	38.5	125.0	125.4	126.2
Charleston .....	14.8	13.8	13.7	8.9	9.0	9.0	25.0	26.2	26.2
Huntington—Ashland .....	18.7	19.7	20.1	7.8	7.8	7.9	22.8	22.4	22.7
Parkersburg—Marietta .....	14.2	14.6	14.6	2.1	2.0	2.0	13.2	13.2	13.4
Wheeling .....	8.8	8.5	8.6	3.5	3.5	3.5	14.5	14.3	14.6
<b>Wisconsin</b> .....	469.9	496.7	497.7	85.4	85.4	86.0	418.5	420.2	430.0
Appleton—Oshkosh .....	43.9	46.1	46.3	4.7	4.8	4.8	26.2	25.9	26.5
Eau Claire .....	8.4	8.7	8.9	2.6	2.6	2.6	13.0	13.7	14.0
Green Bay .....	19.8	20.9	20.9	5.5	5.8	5.5	20.7	21.6	22.2
Janesville—Beloit .....	16.5	18.6	18.6	2.0	2.2	2.2	11.7	11.7	12.1
Kenosha .....	15.0	17.3	16.8	1.1	1.1	1.1	7.9	7.5	7.7
La Crosse .....	9.8	10.0	10.1	2.2	2.2	2.2	11.9	12.3	12.4
Madison .....	18.4	18.8	18.6	5.8	6.0	5.9	37.7	38.3	38.5
Milwaukee .....	161.3	169.4	169.3	31.9	31.9	32.1	136.9	137.2	138.3
Racine .....	22.5	24.8	24.8	2.3	2.2	2.1	13.4	13.3	13.4
Sheboygan .....	16.7	17.7	17.9	1.3	1.3	1.3	7.8	7.1	7.5
Wausau .....	10.4	11.4	11.4	2.1	2.1	2.1	10.0	9.7	10.0
<b>Wyoming</b> .....	7.7	7.7	7.9	16.4	16.4	16.0	43.3	43.6	43.5
<b>Puerto Rico</b> .....	143.1	150.5	150.6	15.5	14.9	14.7	103.4	102.8	102.6
Caguas .....	8.3	8.0	8.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.3	5.0	5.1
Mayaguez .....	13.5	14.4	14.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.9	5.3	5.3
Ponce .....	9.0	9.7	9.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.8	6.9	6.8
San Juan .....	31.6	32.4	32.4	11.8	11.6	11.4	66.4	66.2	66.2
<b>Virgin Islands</b> .....	2.3	2.6	2.6	2.2	2.3	2.3	7.7	7.3	7.1

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>
<b>West Virginia</b> .....	22.0	21.9	21.9	105.2	106.3	106.2	124.6	132.0	132.1
Charleston .....	5.1	5.2	5.2	21.3	21.1	21.1	19.9	20.9	20.8
Huntington-Ashland .....	3.6	3.5	3.5	15.2	15.0	15.2	18.4	18.7	18.5
Parkersburg-Marietta .....	2.0	2.0	2.0	11.0	10.8	10.9	9.4	9.7	9.7
Wheeling .....	2.7	2.7	2.6	14.6	14.3	14.3	8.8	9.2	9.2
<b>Wisconsin</b> .....	96.3	97.1	97.7	382.1	387.7	390.3	319.6	320.7	322.9
Appleton-Oshkosh .....	5.8	6.2	6.3	22.5	22.3	22.6	16.8	16.4	16.5
Eau Claire .....	1.7	1.7	1.7	10.3	10.3	10.3	10.5	10.6	10.7
Green Bay .....	2.6	2.6	2.6	15.8	16.1	16.1	9.3	10.0	10.3
Janesville-Beloit .....	1.4	1.4	1.4	9.4	9.5	9.7	6.7	6.4	6.3
Kenosha .....	1.0	1.0	1.0	8.0	7.9	7.8	6.2	6.5	6.6
La Crosse .....	1.4	1.3	1.4	11.7	12.2	12.8	7.1	6.9	6.9
Madison .....	13.3	13.1	13.0	34.9	35.7	35.8	56.1	57.0	57.4
Milwaukee .....	41.9	42.1	42.1	147.2	149.7	151.0	80.7	79.7	79.2
Racine .....	2.1	2.1	2.2	12.0	12.2	12.1	8.1	8.1	8.1
Sheboygan .....	1.7	1.8	1.8	6.7	6.9	6.8	5.1	5.4	5.3
Wausau .....	3.9	3.9	3.9	6.8	6.9	6.9	6.1	6.6	6.7
<b>Wyoming</b> .....	7.7	7.5	7.5	32.1	30.1	30.4	49.8	50.6	50.4
<b>Puerto Rico</b> .....	28.5	28.4	28.5	87.5	87.9	88.3	239.1	247.1	247.6
Caguas .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.1	8.6	8.6
Mayaguez .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.5	12.5	12.3
Ponce .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.2	6.9	6.8	16.1	15.8	15.8
San Juan .....	21.8	21.6	21.6	59.2	59.3	60.0	122.7	126.6	126.7
<b>Virgin Islands</b> .....	1.5	1.4	1.4	6.2	6.1	5.9	14.0	13.6	13.6

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

<sup>2</sup> Not available.

<sup>3</sup> Less than 50 employees.

<sup>4</sup> Combined with construction.

<sup>P</sup> = preliminary.

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1983 benchmarks except Wisconsin.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**C-1. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by major industry, 1963 to date**

Year and month	Total private <sup>1</sup>			Mining			Construction		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
<b>Annual averages</b>									
1963 .....	38.8	\$2.28	\$88.46	41.6	\$2.75	\$114.40	37.3	\$3.41	\$127.19
1964 .....	38.7	2.36	91.33	41.9	2.81	117.74	37.2	3.55	132.06
1965 .....	38.8	2.46	95.45	42.3	2.92	123.52	37.4	3.70	138.38
1966 .....	38.6	2.56	98.82	42.7	3.05	130.24	37.6	3.89	146.26
1967 .....	38.0	2.68	101.84	42.6	3.19	135.89	37.7	4.11	154.95
1968 .....	37.8	2.85	107.73	42.6	3.35	142.71	37.3	4.41	164.49
1969 .....	37.7	3.04	114.61	43.0	3.60	154.80	37.9	4.79	181.54
1970 .....	37.1	3.23	119.83	42.7	3.85	164.40	37.3	5.24	195.45
1971 .....	36.9	3.45	127.31	42.4	4.06	172.14	37.2	5.69	211.67
1972 .....	37.0	3.70	136.90	42.6	4.44	189.14	36.5	6.06	221.19
1973 .....	36.9	3.94	145.39	42.4	4.75	201.40	36.8	6.41	235.89
1974 .....	36.5	4.24	154.76	41.9	5.23	219.14	36.6	6.81	249.25
1975 .....	36.1	4.53	163.53	41.9	5.95	249.31	36.4	7.31	266.08
1976 .....	36.1	4.86	175.45	42.4	6.46	273.90	36.8	7.71	283.73
1977 .....	36.0	5.25	189.00	43.4	6.94	301.20	36.5	8.10	295.65
1978 .....	35.8	5.69	203.70	43.4	7.67	332.88	36.8	8.66	318.69
1979 .....	35.7	6.16	219.91	43.0	8.49	365.07	37.0	9.27	342.99
1980 .....	35.3	6.66	235.10	43.3	9.17	397.06	37.0	9.94	367.78
1981 .....	35.2	7.25	255.20	43.7	10.04	438.75	36.9	10.82	399.26
1982 .....	34.8	7.68	267.26	42.7	10.77	459.88	36.7	11.63	426.82
1983 .....	35.0	8.02	280.70	42.5	11.27	478.98	37.2	11.92	443.42
<b>Monthly data, not seasonally adjusted</b>									
<b>1983:</b>									
May .....	34.9	\$7.98	\$278.50	42.2	\$11.17	\$471.37	37.5	\$11.81	\$442.88
June .....	35.2	7.98	280.90	42.5	11.22	476.85	37.9	11.77	446.08
July .....	35.3	8.01	282.75	42.1	11.27	474.47	38.2	11.80	450.76
August .....	35.3	7.95	280.64	42.6	11.25	479.25	38.0	11.86	450.68
September .....	35.3	8.12	286.64	43.1	11.33	488.32	37.9	12.04	456.32
October .....	35.3	8.16	288.05	43.2	11.33	489.46	37.3	12.06	449.84
November .....	35.1	8.16	286.42	42.9	11.40	489.06	36.3	11.91	432.33
December .....	35.5	8.16	289.68	43.4	11.41	495.19	36.8	12.02	442.34
<b>1984:</b>									
January .....	35.0	8.26	289.10	43.3	11.54	499.68	36.3	12.08	438.50
February .....	35.0	8.24	288.40	42.9	11.49	492.92	37.0	11.99	443.63
March .....	35.0	8.24	288.40	42.8	11.60	496.48	36.7	11.97	439.30
April <sup>p</sup> .....	35.3	8.29	292.64	42.9	11.60	497.64	37.6	11.94	448.94
May <sup>p</sup> .....	35.3	8.28	292.28	43.2	11.63	502.42	38.0	11.92	452.96

See footnotes at end of table.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**C-1. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by major industry, 1963 to date—Continued**

Year and month	Manufacturing				Transportation and public utilities			Wholesale trade		
	Weekly hours	Hourly earnings	Hourly earnings, excluding overtime	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
<b>Annual averages</b>										
1963 .....	40.5	\$2.45	\$2.37	\$99.23	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	40.6	\$2.45	\$99.47
1964 .....	40.7	2.53	2.43	102.97	41.1	\$2.89	\$118.78	40.7	2.52	102.56
1965 .....	41.2	2.61	2.50	107.53	41.3	3.03	125.14	40.8	2.61	106.49
1966 .....	41.4	2.71	2.59	112.19	41.2	3.11	128.13	40.7	2.73	111.11
1967 .....	40.6	2.82	2.71	114.49	40.5	3.23	130.82	40.3	2.88	116.06
1968 .....	40.7	3.01	2.88	122.51	40.6	3.42	138.85	40.1	3.05	122.31
1969 .....	40.6	3.19	3.05	129.51	40.7	3.63	147.74	40.2	3.23	129.85
1970 .....	39.8	3.35	3.23	133.33	40.5	3.85	155.93	39.9	3.44	137.26
1971 .....	39.9	3.57	3.45	142.44	40.1	4.21	168.82	39.5	3.65	144.18
1972 .....	40.5	3.82	3.66	154.71	40.4	4.65	187.86	39.4	3.85	151.69
1973 .....	40.7	4.09	3.91	166.46	40.5	5.02	203.31	39.3	4.08	160.34
1974 .....	40.0	4.42	4.25	176.80	40.2	5.41	217.48	38.8	4.39	170.33
1975 .....	39.5	4.83	4.67	190.79	39.7	5.88	233.44	38.7	4.73	183.05
1976 .....	40.1	5.22	5.02	209.32	39.8	6.45	256.71	38.7	5.03	194.66
1977 .....	40.3	5.68	5.44	228.90	39.9	6.99	278.90	38.8	5.39	209.13
1978 .....	40.4	6.17	5.91	249.27	40.0	7.57	302.80	38.8	5.88	228.14
1979 .....	40.2	6.70	6.43	269.34	39.9	8.16	325.58	38.8	6.39	247.93
1980 .....	39.7	7.27	7.02	288.62	39.6	8.87	351.25	38.5	6.96	267.96
1981 .....	39.8	7.99	7.72	318.00	39.4	9.70	382.18	38.5	7.56	291.06
1982 .....	38.9	8.49	8.25	330.26	39.0	10.32	402.48	38.3	8.09	309.85
1983 .....	40.1	8.83	8.51	354.08	39.0	10.80	421.20	38.5	8.54	328.79
<b>Monthly data, not seasonally adjusted</b>										
<b>1983:</b>										
May .....	39.9	\$8.77	\$8.48	\$349.92	38.7	\$10.73	\$415.25	38.4	\$8.49	\$326.02
June .....	40.3	8.79	8.48	354.24	39.1	10.72	419.15	38.6	8.49	327.71
July .....	40.0	8.84	8.53	353.60	39.2	10.84	424.93	38.6	8.56	330.42
August .....	40.2	8.78	8.44	352.96	39.5	10.69	422.26	38.6	8.54	329.64
September .....	40.8	8.89	8.52	362.71	39.4	10.88	428.67	38.7	8.62	333.59
October .....	40.7	8.90	8.54	362.23	39.5	10.94	432.13	38.7	8.69	336.30
November .....	40.8	8.97	8.61	365.98	39.3	11.01	432.69	38.7	8.68	335.92
December .....	41.2	9.04	8.67	372.45	39.7	11.00	436.70	38.9	8.74	339.99
<b>1984:</b>										
January .....	40.6	9.08	8.72	368.65	39.2	11.08	434.34	38.4	8.82	338.69
February .....	40.7	9.06	8.70	368.74	39.0	11.01	429.39	38.2	8.79	335.78
March .....	40.7	9.09	8.73	369.96	39.0	11.02	429.78	38.3	8.79	336.66
April <sup>p</sup> .....	40.9	9.11	8.75	372.60	39.3	11.07	435.05	38.5	8.89	342.27
May <sup>p</sup> .....	40.7	9.12	8.76	371.18	39.2	11.09	434.73	38.5	8.85	340.73

See footnotes at end of table.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**C-1. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by major industry, 1963 to date—Continued**

Year and month	Retail trade			Finance, insurance, and real estate			Services		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1963 .....	37.3	\$1.68	\$62.66	37.5	\$2.25	\$84.38	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1964 .....	37.0	1.75	64.75	37.3	2.30	85.79	36.1	\$1.94	\$70.03
1965 .....	36.6	1.82	66.61	37.2	2.39	88.91	35.9	2.05	73.60
1966 .....	35.9	1.91	68.57	37.3	2.47	92.13	35.5	2.17	77.04
1967 .....	35.3	2.01	70.95	37.1	2.58	95.72	35.1	2.29	80.38
1968 .....	34.7	2.16	74.95	37.0	2.75	101.75	34.7	2.42	83.97
1969 .....	34.2	2.30	78.66	37.1	2.93	108.70	34.7	2.61	90.57
1970 .....	33.8	2.44	82.47	36.7	3.07	112.67	34.4	2.81	96.66
1971 .....	33.7	2.60	87.62	36.6	3.22	117.85	33.9	3.04	103.06
1972 .....	33.4	2.75	91.85	36.6	3.36	122.98	33.9	3.27	110.85
1973 .....	33.1	2.91	96.32	36.6	3.53	129.20	33.8	3.47	117.29
1974 .....	32.7	3.14	102.68	36.5	3.77	137.61	33.6	3.75	126.00
1975 .....	32.4	3.36	108.86	36.5	4.06	148.19	33.5	4.02	134.67
1976 .....	32.1	3.57	114.60	36.4	4.27	155.43	33.3	4.31	143.52
1977 .....	31.6	3.85	121.66	36.4	4.54	165.26	33.0	4.65	153.45
1978 .....	31.0	4.20	130.20	36.4	4.89	178.00	32.8	4.99	163.67
1979 .....	30.6	4.53	138.62	36.2	5.27	190.77	32.7	5.36	175.27
1980 .....	30.2	4.88	147.38	36.2	5.79	209.60	32.6	5.85	190.71
1981 .....	30.1	5.25	158.03	36.3	6.31	229.05	32.6	6.41	208.97
1982 .....	29.9	5.48	163.85	36.2	6.78	245.44	32.6	6.92	225.59
1983 .....	29.8	5.74	171.05	36.2	7.29	263.90	32.7	7.30	238.71
Monthly data, not seasonally adjusted									
<b>1983:</b>									
May .....	29.7	\$5.72	\$169.88	36.3	\$7.29	\$264.63	32.6	\$7.27	\$237.00
June .....	30.1	5.73	172.47	36.1	7.25	261.73	32.9	7.24	238.20
July .....	30.6	5.73	175.34	36.3	7.29	264.63	33.1	7.24	239.64
August .....	30.5	5.73	174.77	36.1	7.24	261.36	33.0	7.24	238.92
September .....	29.9	5.78	172.82	36.1	7.33	264.61	32.7	7.37	241.00
October .....	29.9	5.79	173.12	36.4	7.45	271.18	32.7	7.43	242.96
November .....	29.8	5.82	173.44	36.1	7.39	266.78	32.6	7.44	242.54
December .....	30.8	5.78	178.02	36.2	7.43	268.97	32.6	7.47	243.52
<b>1984:</b>									
January .....	29.4	5.89	173.17	36.5	7.55	275.58	32.6	7.57	246.78
February .....	29.4	5.89	173.17	36.4	7.54	274.46	32.6	7.55	246.13
March .....	29.6	5.89	174.34	36.3	7.54	273.70	32.6	7.54	245.80
April <sup>p</sup> .....	29.9	5.89	176.11	36.6	7.63	279.26	32.7	7.60	248.52
May <sup>p</sup> .....	30.1	5.87	176.69	36.2	7.55	273.31	32.6	7.54	245.80

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

<sup>2</sup> Not available.

<sup>p</sup> = preliminary.

NOTE: Data in this table have been revised to reflect March 1983 benchmarks. Thus, data beginning in April 1982 may differ slightly from those previously published. See the article in this issue for additional information.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
<b>Total private</b> .....		34.7	34.9	35.0	35.3	35.3	-	-	-	-	-
<b>Mining</b> .....		41.7	42.2	42.8	42.9	43.2	-	-	-	-	-
Metal mining .....	10	39.0	39.3	40.5	40.3	-	-	-	-	-	-
Iron ores .....	101	38.5	38.2	38.4	38.6	-	-	-	-	-	-
Copper ores .....	102	40.1	40.1	41.4	41.5	-	-	-	-	-	-
Coal mining .....	11,12	39.3	39.7	41.3	40.8	-	-	-	-	-	-
Bituminous coal and lignite mining .....	12	39.4	39.7	41.3	40.9	-	-	-	-	-	-
Oil and gas extraction .....	13	42.7	43.4	43.5	43.8	-	-	-	-	-	-
Crude petroleum, natural gas, and natural gas liquids .....	131,2	42.1	42.0	41.4	42.1	-	-	-	-	-	-
Oil and gas field services .....	138	43.0	44.0	44.4	44.5	-	-	-	-	-	-
Nonmetallic minerals, except fuels .....	14	42.3	43.4	43.2	44.2	-	-	-	-	-	-
Crushed and broken stone .....	142	43.0	44.1	43.1	44.8	-	-	-	-	-	-
<b>Construction</b> .....		36.7	37.5	36.7	37.6	38.0	-	-	-	-	-
General building contractors .....	15	36.3	36.8	36.3	37.2	-	-	-	-	-	-
Residential building construction .....	152	35.5	36.3	35.6	36.7	-	-	-	-	-	-
Operative builders .....	153	40.1	39.5	38.9	39.3	-	-	-	-	-	-
Nonresidential building construction .....	154	36.7	36.9	36.8	37.5	-	-	-	-	-	-
Heavy construction contractors .....	16	39.8	40.7	40.2	41.0	-	-	-	-	-	-
Highway and street construction .....	161	40.2	41.5	39.0	41.0	-	-	-	-	-	-
Heavy construction, except highway .....	162	39.7	40.3	40.7	41.0	-	-	-	-	-	-
Special trade contractors .....	17	35.6	36.5	35.7	36.6	-	-	-	-	-	-
Plumbing, heating, and air conditioning .....	171	36.9	37.2	37.3	37.2	-	-	-	-	-	-
Painting, paper hanging, and decorating .....	172	34.5	35.1	34.3	35.2	-	-	-	-	-	-
Electrical work .....	173	37.5	38.2	38.1	38.8	-	-	-	-	-	-
Masonry, stonework, and plastering .....	174	34.3	35.1	33.8	35.0	-	-	-	-	-	-
Carpentering and flooring .....	175	34.4	35.2	34.0	34.2	-	-	-	-	-	-
Roofing and sheet metal work .....	176	31.0	33.5	30.8	33.3	-	-	-	-	-	-
<b>Manufacturing</b> .....		39.8	39.9	40.7	40.9	40.7	2.7	2.7	3.4	3.4	3.3
<b>Durable goods</b> .....		40.3	40.4	41.4	41.7	41.4	2.6	2.6	3.6	3.6	3.5
Lumber and wood products .....	24	39.9	40.2	39.9	40.3	40.1	2.9	3.1	3.2	3.3	-
Logging camps and logging contractors .....	241	39.2	39.8	39.1	38.8	-	3.3	3.4	3.0	3.4	-
Sawmills and planing mills .....	242	40.2	40.7	40.7	41.2	-	3.3	3.4	3.8	4.0	-
Sawmills and planing mills, general .....	2421	40.3	40.9	41.0	41.5	-	3.4	3.5	3.9	4.1	-
Hardwood dimension and flooring .....	2426	39.9	39.8	39.8	40.1	-	2.8	2.8	3.1	3.3	-
Millwork, plywood, and structural members .....	243	40.2	40.3	40.1	40.6	-	2.8	2.9	3.4	3.2	-
Millwork .....	2431	40.2	40.1	39.8	40.3	-	2.1	2.2	2.6	2.4	-
Wood kitchen cabinets .....	2434	39.7	39.7	39.5	40.5	-	2.7	2.7	3.5	3.3	-
Hardwood veneer and plywood .....	2435	39.3	39.7	40.6	40.7	-	2.8	3.1	3.8	3.6	-
Softwood veneer and plywood .....	2436	41.5	42.2	41.0	41.4	-	4.0	4.1	4.3	4.3	-
Wood containers .....	244	38.0	38.7	38.6	38.5	-	1.7	2.1	2.4	2.3	-
Wood buildings and mobile homes .....	245	39.1	39.5	37.5	38.2	-	2.6	3.0	1.8	2.2	-
Mobile homes .....	2451	40.4	40.2	38.1	38.6	-	2.9	3.2	1.9	2.0	-
Miscellaneous wood products .....	249	40.4	40.6	40.0	40.9	-	2.6	2.6	2.7	2.9	-
Furniture and fixtures .....	25	39.0	39.0	39.5	39.6	39.4	2.1	2.0	2.4	2.4	-
Household furniture .....	251	38.8	38.9	39.1	39.1	-	2.0	1.9	2.1	2.2	-
Wood household furniture .....	2511	38.4	38.8	39.3	39.4	-	1.9	1.9	2.2	2.5	-
Upholstered household furniture .....	2512	38.5	38.4	38.6	38.6	-	1.4	1.3	1.5	1.6	-
Metal household furniture .....	2514	40.8	40.1	39.8	40.3	-	2.9	2.6	2.6	2.6	-
Mattresses and bedsprings .....	2515	39.0	39.1	38.5	36.9	-	2.5	2.2	2.2	1.1	-
Office furniture .....	252	39.1	39.2	41.0	41.0	-	2.1	2.2	3.2	3.1	-
Public building and related furniture .....	253	39.6	39.8	40.2	40.0	-	2.8	2.7	3.5	3.0	-
Partitions and fixtures .....	254	38.4	38.6	39.4	39.6	-	2.2	2.2	2.9	2.8	-
Miscellaneous furniture and fixtures .....	259	40.9	40.9	39.6	40.7	-	1.9	2.2	1.2	1.8	-
Stone, clay, and glass products .....	32	41.0	41.4	41.4	42.2	42.5	3.7	3.9	4.4	4.7	-
Flat glass .....	321	43.3	42.2	43.5	44.9	-	4.2	4.1	4.9	5.8	-
Glass and glassware, pressed or blown .....	322	40.6	40.6	40.6	41.4	-	3.7	3.8	4.1	4.2	-

See footnotes at end of table.



**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
		<b>Total private</b> .....		\$7.94	\$7.98	\$8.24	\$8.29	\$8.28	\$275.52	\$278.50	\$288.40
<b>Mining</b> .....		11.25	11.17	11.60	11.60	11.63	469.13	471.37	496.48	497.64	502.42
Metal mining .....	10	12.51	12.44	12.85	12.98	-	487.89	488.89	520.43	523.09	-
Iron ores .....	101	12.22	12.18	12.45	12.51	-	470.47	465.28	478.08	482.89	-
Copper ores .....	102	12.99	12.97	13.31	13.48	-	520.90	520.10	551.03	559.42	-
Coal mining .....	11,12	13.46	13.42	14.56	14.63	-	528.98	532.77	601.33	596.90	-
Bituminous coal and lignite mining .....	12	13.51	13.47	14.61	14.68	-	532.29	534.76	603.39	600.41	-
Oil and gas extraction .....	13	10.75	10.66	10.72	10.73	-	459.03	462.64	466.32	469.97	-
Crude petroleum, natural gas, and natural gas liquids .....	131,2	12.27	12.29	12.75	12.85	-	516.57	516.18	527.85	540.99	-
Oil and gas field services .....	138	10.06	9.93	9.94	9.92	-	432.58	436.92	441.34	441.44	-
Nonmetallic minerals, except fuels .....	14	9.13	9.13	9.64	9.68	-	386.20	396.24	416.45	427.86	-
Crushed and broken stone .....	142	8.51	8.65	8.90	9.07	-	365.93	381.47	383.59	406.34	-
<b>Construction</b> .....		11.89	11.81	11.97	11.94	11.92	436.36	442.88	439.30	448.94	452.96
General building contractors .....	15	10.74	10.62	10.69	10.74	-	389.86	390.82	388.05	399.53	-
Residential building construction .....	152	9.82	9.77	9.91	9.96	-	348.61	354.65	352.80	365.53	-
Operative builders .....	153	8.43	8.26	8.75	8.95	-	338.04	326.27	340.38	351.74	-
Nonresidential building construction .....	154	11.75	11.65	11.57	11.61	-	431.23	429.89	425.78	435.38	-
Heavy construction contractors .....	16	11.70	11.61	11.81	11.55	-	465.66	472.53	474.76	473.55	-
Highway and street construction .....	161	9.70	10.10	9.97	10.30	-	389.94	419.15	388.83	422.30	-
Heavy construction, except highway .....	162	12.49	12.33	12.46	12.09	-	495.85	496.90	507.12	495.69	-
Special trade contractors .....	17	12.48	12.44	12.63	12.64	-	444.29	454.06	450.89	462.62	-
Plumbing, heating, and air conditioning .....	171	12.56	12.59	12.52	12.48	-	463.46	468.35	467.00	464.26	-
Painting, paper hanging, and decorating .....	172	11.35	11.30	11.56	11.37	-	391.58	396.63	396.51	400.22	-
Electrical work .....	173	13.88	13.90	14.00	14.15	-	520.50	530.98	533.40	549.02	-
Masonry, stonework, and plastering .....	174	12.13	12.32	12.44	12.52	-	416.06	432.43	420.47	438.20	-
Carpentering and flooring .....	175	11.94	11.84	11.28	11.64	-	410.74	416.77	383.52	398.09	-
Roofing and sheet metal work .....	176	10.90	10.92	10.72	11.02	-	337.90	365.82	330.18	366.97	-
<b>Manufacturing</b> .....		8.75	8.77	9.09	9.11	9.12	348.25	349.92	369.96	372.60	371.18
<b>Durable goods</b> .....		9.28	9.31	9.66	9.67	9.67	373.98	376.12	399.92	403.24	400.34
Lumber and wood products .....	24	7.73	7.77	7.87	7.88	7.90	308.43	312.35	314.01	317.56	316.79
Logging camps and logging contractors .....	241	10.15	10.01	10.31	10.33	-	397.88	398.40	403.12	400.80	-
Sawmills and planing mills .....	242	8.13	8.20	8.35	8.34	-	326.83	333.74	339.85	343.61	-
Sawmills and planing mills, general .....	2421	8.59	8.65	8.80	8.77	-	346.18	353.79	360.80	363.96	-
Hardwood dimension and flooring .....	2426	5.50	5.54	5.76	5.80	-	219.45	220.49	229.25	232.58	-
Millwork, plywood, and structural members .....	243	7.66	7.65	7.72	7.75	-	307.93	308.30	309.57	314.65	-
Millwork .....	2431	7.79	7.77	7.85	7.91	-	313.16	311.58	312.43	318.77	-
Wood kitchen cabinets .....	2434	6.92	6.92	7.03	7.03	-	274.72	274.72	277.69	284.72	-
Hardwood veneer and plywood .....	2435	6.11	6.14	6.31	6.31	-	240.12	243.76	256.19	256.82	-
Softwood veneer and plywood .....	2436	9.30	9.33	9.57	9.64	-	385.95	393.73	392.37	399.10	-
Wood containers .....	244	5.57	5.65	5.65	5.70	-	211.66	218.66	218.09	219.45	-
Wood buildings and mobile homes .....	245	6.81	6.95	6.95	7.05	-	266.27	274.53	260.63	269.31	-
Mobile homes .....	2451	6.84	6.99	6.98	7.10	-	276.34	281.00	265.94	274.06	-
Miscellaneous wood products .....	249	6.50	6.59	6.75	6.76	-	262.60	267.55	270.00	276.48	-
Furniture and fixtures .....	25	6.51	6.52	6.76	6.75	6.78	253.89	254.28	267.02	267.30	267.13
Household furniture .....	251	6.01	6.02	6.23	6.23	-	233.19	234.18	243.59	243.59	-
Wood household furniture .....	2511	5.52	5.53	5.69	5.71	-	211.97	214.56	223.62	224.97	-
Upholstered household furniture .....	2512	6.46	6.42	6.76	6.77	-	248.71	246.53	260.94	261.32	-
Metal household furniture .....	2514	6.15	6.28	6.31	6.26	-	250.92	251.83	251.14	252.28	-
Mattresses and bedsprings .....	2515	6.90	6.88	7.05	6.94	-	269.10	269.01	271.43	256.09	-
Office furniture .....	252	7.09	7.04	7.43	7.39	-	277.22	275.97	304.63	302.99	-
Public building and related furniture .....	253	7.22	7.17	7.44	7.46	-	285.91	285.37	299.09	298.40	-
Partitions and fixtures .....	254	8.09	8.13	8.21	8.18	-	310.66	313.82	323.47	323.93	-
Miscellaneous furniture and fixtures .....	259	7.19	7.11	7.27	7.22	-	294.07	290.80	287.89	293.85	-
Stone, clay, and glass products .....	32	9.15	9.19	9.40	9.50	9.53	375.15	380.47	389.16	400.90	405.03
Flat glass .....	321	11.95	12.00	12.73	12.97	-	517.44	506.40	553.76	582.35	-
Glass and glassware, pressed or blown .....	322	9.90	9.94	10.25	10.45	-	401.94	403.56	416.15	432.63	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
<b>Durable goods—Continued</b>											
Stone, clay, and glass products—Continued											
Glass containers .....	3221	40.6	40.9	40.6	41.9	-	4.5	4.6	4.7	5.0	-
Pressed and blown glass, nec .....	3229	40.6	40.3	40.6	40.8	-	2.7	2.8	3.5	3.3	-
Products of purchased glass .....	323	39.8	40.1	41.2	41.6	-	2.4	2.5	3.3	3.6	-
Cement, hydraulic .....	324	41.0	41.7	42.5	42.4	-	2.5	3.0	3.9	3.3	-
Structural clay products .....	325	41.3	41.5	42.3	42.4	-	3.2	3.4	3.9	4.1	-
Pottery and related products .....	326	39.0	39.0	39.4	39.6	-	1.6	1.6	2.3	2.4	-
Concrete, gypsum, and plaster products .....	327	41.7	42.5	41.7	43.1	-	5.1	5.6	5.7	6.3	-
Concrete block and brick .....	3271	44.0	45.3	42.6	44.8	-	6.5	7.2	6.2	6.5	-
Concrete products, nec .....	3272	41.8	42.1	42.4	42.9	-	4.0	4.3	5.2	5.5	-
Ready-mixed concrete .....	3273	40.5	41.8	39.9	42.0	-	5.2	5.9	5.2	6.3	-
Misc. nonmetallic mineral products .....	329	41.0	41.2	42.2	42.5	-	2.9	2.9	4.2	4.4	-
Abrasive products .....	3291	40.0	40.3	41.4	42.2	-	2.4	2.4	3.0	3.3	-
Asbestos products .....	3292	42.5	42.8	43.7	43.7	-	2.9	2.7	4.7	4.6	-
Primary metal industries .....											
Blast furnaces and basic steel products .....	331	39.2	38.9	41.2	42.0	41.8	1.9	2.0	3.4	3.7	-
Blast furnaces and steel mills .....	3312	38.8	38.5	40.6	41.6	-	1.8	1.9	3.3	3.6	-
Steel pipe and tubes .....	3317	41.3	40.5	42.6	42.6	-	3.1	2.8	3.8	3.6	-
Iron and steel foundries .....	332	38.7	39.6	41.7	41.7	-	2.1	2.3	4.0	3.8	-
Gray iron foundries .....	3321	38.7	39.9	41.7	41.7	-	2.3	2.7	4.3	4.0	-
Malleable iron foundries .....	3322	39.4	39.3	40.6	40.6	-	1.9	1.8	2.9	2.8	-
Steel foundries, nec .....	3325	38.0	38.4	41.2	41.5	-	1.6	1.4	3.3	3.3	-
Primary nonferrous metals .....	333	41.2	40.8	42.3	42.2	-	2.6	2.8	3.5	3.3	-
Primary aluminum .....	3334	40.9	40.7	42.4	42.3	-	2.9	3.1	3.9	3.7	-
Nonferrous rolling and drawing .....	335	42.4	42.1	43.7	44.0	-	4.2	4.1	5.5	5.7	-
Copper rolling and drawing .....	3351	42.9	42.1	45.1	45.8	-	3.7	3.6	5.8	6.2	-
Aluminum sheet, plate, and foil .....	3353	42.2	42.6	43.7	44.0	-	5.3	5.9	6.2	6.6	-
Nonferrous wire drawing and insulating .....	3357	41.9	41.5	43.3	43.1	-	3.8	3.4	5.4	5.1	-
Nonferrous foundries .....	336	40.6	40.8	42.0	42.1	-	3.2	3.2	3.9	3.9	-
Aluminum foundries .....	3361	40.8	41.1	42.3	42.6	-	3.3	3.3	4.1	4.2	-
Fabricated metal products .....											
Metal cans and shipping containers .....	341	42.1	42.8	41.8	42.8	-	4.3	4.6	4.7	4.7	-
Metal cans .....	3411	42.1	42.8	41.6	42.8	-	4.3	4.6	4.7	4.7	-
Cutlery, hand tools, and hardware .....	342	39.9	40.1	40.9	41.0	-	2.2	2.3	2.9	3.0	-
Hand and edge tools, and hand saws and blades .....	3423.5	39.0	39.1	40.3	40.4	-	1.4	1.5	2.3	2.2	-
Hardware, nec .....	3429	40.3	40.3	41.1	41.2	-	2.8	2.8	3.3	3.5	-
Plumbing and heating, except electric .....	343	39.9	39.6	40.0	40.7	-	1.9	1.7	2.1	2.6	-
Plumbing fittings and brass goods .....	3432	40.3	39.7	41.2	41.0	-	2.3	1.9	2.9	3.0	-
Heating equipment, except electric .....	3433	38.9	38.9	38.6	40.0	-	1.0	.9	1.0	1.9	-
Fabricated structural metal products .....	344	39.2	39.6	40.3	40.4	-	2.0	2.2	2.7	2.7	-
Fabricated structural metal .....	3441	39.5	39.7	40.4	40.8	-	2.3	2.3	2.9	3.1	-
Metal doors, sash, and trim .....	3442	38.9	39.7	39.8	39.7	-	2.0	2.1	2.4	2.1	-
Fabricated plate work (boiler shops) .....	3443	39.2	39.6	41.7	41.2	-	1.7	1.9	3.2	2.9	-
Sheet metal work .....	3444	39.0	39.3	39.7	40.0	-	2.1	2.3	2.9	3.0	-
Architectural metal work .....	3446	40.3	40.3	40.2	41.1	-	2.0	2.3	2.7	3.1	-
Screw machine products, bolts, etc .....	345	40.0	40.3	43.1	43.2	-	2.4	2.7	5.1	5.0	-
Screw machine products .....	3451	39.2	39.5	42.3	42.6	-	1.8	2.1	4.7	4.7	-
Bolts, nuts, rivets, and washers .....	3452	40.8	41.0	43.9	43.9	-	2.9	3.2	5.5	5.2	-
Metal forgings and stampings .....	346	41.7	42.0	42.9	43.3	-	3.6	3.8	4.8	5.0	-
Iron and steel forgings .....	3462	39.4	40.3	42.8	42.9	-	2.3	2.6	4.7	4.5	-
Automotive stampings .....	3465	44.3	44.6	44.8	45.8	-	5.5	5.6	6.2	6.9	-
Metal stampings, nec .....	3469	39.9	40.0	41.2	41.0	-	2.3	2.5	3.6	3.4	-
Metal services, nec .....	347	40.2	40.0	41.0	41.2	-	3.0	2.9	3.6	3.7	-
Plating and polishing .....	3471	40.0	39.7	40.8	41.1	-	2.8	2.7	3.4	3.6	-
Metal coating and allied services .....	3479	40.6	40.6	41.5	41.5	-	3.5	3.4	4.0	3.8	-
Ordnance and accessories, nec .....	348	40.8	40.4	41.4	41.4	-	2.2	1.8	2.8	2.6	-
Ammunition, except for small arms, nec .....	3483	41.3	40.8	40.8	40.6	-	1.5	1.2	1.6	1.4	-
Misc. fabricated metal products .....	349	39.4	39.5	41.1	41.1	-	1.8	1.9	3.1	3.0	-
Valves and pipe fittings .....	3494	38.2	38.4	41.2	41.3	-	1.4	1.4	3.4	3.2	-
Misc. fabricated wire products .....	3496	39.8	39.8	40.4	40.8	-	1.9	2.0	2.7	3.1	-
Machinery, except electrical .....											
Engines and turbines .....	351	39.3	39.5	42.7	42.8	-	1.8	2.0	5.4	4.7	-
Turbines and turbine generator sets .....	3511	39.4	38.7	39.8	40.6	-	2.6	2.4	3.3	3.6	-
Internal combustion engines, nec .....	3519	39.3	39.8	43.6	43.5	-	1.4	1.8	6.1	5.0	-
Farm and garden machinery .....	352	40.3	39.8	41.4	41.3	-	2.3	1.8	3.1	3.0	-
Farm machinery and equipment .....	3523	40.4	39.8	41.5	41.1	-	2.6	2.0	3.1	2.8	-

See footnotes at end of table.

ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	May 1984 <sup>p</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	May 1984 <sup>p</sup>
<b>Durable goods—Continued</b>											
Stone, clay, and glass products—Continued											
Glass containers .....	3221	\$10.37	\$10.38	\$10.71	\$11.04	-	\$421.02	\$424.54	\$434.83	\$462.58	-
Pressed and blown glass, nec .....	3229	9.26	9.34	9.72	9.76	-	375.96	376.40	394.63	398.21	-
Products of purchased glass .....	323	8.23	8.10	7.98	7.96	-	327.55	324.81	328.78	331.14	-
Cement, hydraulic .....	324	12.69	13.18	13.49	13.39	-	520.29	549.61	573.33	567.74	-
Structural clay products .....	325	7.34	7.38	7.64	7.71	-	303.14	306.27	323.17	326.90	-
Pottery and related products .....	326	7.69	7.79	8.01	8.05	-	299.91	303.81	315.59	318.78	-
Concrete, gypsum, and plaster products .....	327	8.92	8.95	9.17	9.34	-	371.96	380.38	382.39	402.55	-
Concrete block and brick .....	3271	7.80	7.78	7.99	7.97	-	343.20	352.43	340.37	357.06	-
Concrete products, nec .....	3272	7.81	7.86	8.23	8.36	-	324.90	330.91	348.95	358.64	-
Ready-mixed concrete .....	3273	9.92	9.89	10.07	10.28	-	401.76	413.40	401.79	431.76	-
Misc. nonmetallic mineral products .....	329	9.10	9.10	9.32	9.39	-	373.10	374.92	393.30	399.08	-
Abrasive products .....	3291	8.87	8.88	8.94	8.92	-	354.80	357.86	370.12	376.42	-
Asbestos products .....	3292	9.23	8.93	9.64	9.75	-	392.28	382.20	421.27	426.08	-
Primary metal industries .....	33	11.25	11.28	11.44	11.51	\$11.49	451.13	451.20	480.48	488.02	\$484.88
Blast furnaces and basic steel products .....	331	12.74	12.74	12.97	13.13	13.12	499.41	495.59	534.36	551.46	548.42
Blast furnaces and steel mills .....	3312	13.22	13.24	13.48	13.67	-	512.94	509.74	547.29	568.67	-
Steel pipe and tubes .....	3317	10.59	10.27	10.53	10.51	-	437.37	415.94	448.58	447.73	-
Iron and steel foundries .....	332	9.81	9.86	10.13	10.06	-	379.65	390.46	422.42	419.50	-
Gray iron foundries .....	3321	10.01	10.12	10.41	10.31	-	387.39	403.79	434.10	429.93	-
Malleable iron foundries .....	3322	10.54	10.50	10.80	10.73	-	415.28	412.65	438.48	435.64	-
Steel foundries, nec .....	3325	9.50	9.37	9.57	9.53	-	361.00	359.81	394.28	395.50	-
Primary nonferrous metals .....	333	13.33	13.61	13.33	13.29	-	549.20	555.29	563.88	560.84	-
Primary aluminum .....	3334	14.03	14.43	13.84	13.79	-	573.83	587.30	586.82	583.32	-
Nonferrous rolling and drawing .....	335	10.60	10.72	10.96	10.97	-	449.44	451.31	478.95	482.68	-
Copper rolling and drawing .....	3351	9.26	9.34	10.06	9.95	-	397.25	393.21	453.71	455.71	-
Aluminum sheet, plate, and foil .....	3353	13.97	14.44	13.95	14.07	-	589.53	615.14	609.62	619.08	-
Nonferrous wire drawing and insulating .....	3357	9.80	9.81	10.41	10.36	-	410.62	407.12	450.75	448.52	-
Nonferrous foundries .....	336	8.82	8.79	9.00	9.06	-	358.09	358.63	378.00	381.43	-
Aluminum foundries .....	3361	9.01	8.98	9.26	9.29	-	367.61	369.08	391.70	395.75	-
Fabricated metal products .....	34	9.04	9.06	9.31	9.34	9.32	362.50	365.12	384.50	387.61	385.85
Metal cans and shipping containers .....	341	12.07	12.12	12.34	12.48	-	508.15	518.74	515.81	534.14	-
Metal cans .....	3411	12.66	12.69	12.99	13.14	-	532.99	543.13	540.38	562.39	-
Cutlery, hand tools, and hardware .....	342	8.76	8.82	9.08	9.12	-	349.52	353.68	371.37	373.92	-
Hand and edge tools, and hand saws and blades .....	3423,5	8.10	8.14	8.47	8.41	-	315.90	318.27	341.34	339.76	-
Hardware, nec .....	3429	9.13	9.19	9.36	9.46	-	367.94	370.36	384.70	389.75	-
Plumbing and heating, except electric .....	343	8.03	7.99	8.29	8.36	-	320.40	316.40	331.60	340.25	-
Plumbing fittings and brass goods .....	3432	7.72	7.64	8.11	8.10	-	311.12	303.31	334.13	332.10	-
Heating equipment, except electric .....	3433	8.05	8.04	8.18	8.33	-	313.15	312.76	315.75	333.20	-
Fabricated structural metal products .....	344	8.75	8.69	8.80	8.81	-	343.00	344.12	354.64	355.92	-
Fabricated structural metal .....	3441	9.11	9.07	9.24	9.33	-	359.85	360.08	373.30	380.66	-
Metal doors, sash, and trim .....	3442	6.89	6.83	7.06	7.12	-	268.02	271.15	280.99	282.66	-
Fabricated plate work (boiler shops) .....	3443	9.89	9.84	9.93	9.87	-	387.69	389.66	414.08	406.64	-
Sheet metal work .....	3444	9.01	8.95	8.96	8.93	-	351.39	351.74	355.71	357.20	-
Architectural metal work .....	3446	8.91	8.86	9.04	9.12	-	359.07	357.06	363.41	374.83	-
Screw machine products, bolts, etc .....	345	8.40	8.45	8.74	8.72	-	336.00	340.54	376.69	376.70	-
Screw machine products .....	3451	7.72	7.73	8.04	8.02	-	302.62	305.34	340.09	341.65	-
Bolts, nuts, rivets, and washers .....	3452	9.00	9.10	9.43	9.42	-	367.20	373.10	413.98	413.54	-
Metal forgings and stampings .....	346	10.39	10.41	10.81	10.88	-	433.26	437.22	463.75	471.10	-
Iron and steel forgings .....	3462	11.30	11.45	12.00	12.00	-	445.22	461.44	513.60	514.80	-
Automotive stampings .....	3465	12.18	12.13	12.70	12.79	-	539.57	541.00	568.96	585.78	-
Metal stampings, nec .....	3469	8.15	8.19	8.33	8.34	-	325.19	327.60	343.20	341.94	-
Metal services, nec .....	347	7.13	7.17	7.45	7.49	-	286.63	286.80	305.45	308.59	-
Plating and polishing .....	3471	6.98	7.01	7.32	7.36	-	279.20	278.30	298.66	302.50	-
Metal coating and allied services .....	3479	7.47	7.55	7.74	7.81	-	303.28	306.53	321.21	324.12	-
Ordnance and accessories, nec .....	348	9.30	9.34	9.94	9.93	-	379.44	377.34	411.52	411.10	-
Ammunition, except for small arms, nec .....	3483	8.72	8.84	9.43	9.50	-	360.14	360.67	384.74	385.70	-
Misc. fabricated metal products .....	349	8.41	8.46	8.75	8.75	-	331.35	334.17	359.63	359.63	-
Valves and pipe fittings .....	3494	8.91	8.97	9.36	9.24	-	340.36	344.45	385.63	381.61	-
Misc. fabricated wire products .....	3496	7.45	7.45	7.81	7.90	-	296.51	296.51	315.52	322.32	-
Machinery, except electrical .....	35	9.41	9.51	9.90	9.92	9.93	375.46	379.45	415.80	417.63	414.08
Engines and turbines .....	351	11.65	11.83	12.76	12.76	-	457.85	467.29	544.85	546.13	-
Turbines and turbine generator sets .....	3511	11.28	11.23	11.88	12.08	-	444.43	434.60	472.82	490.45	-
Internal combustion engines, nec .....	3519	11.84	12.09	13.01	12.96	-	465.31	481.18	567.24	563.76	-
Farm and garden machinery .....	352	9.47	9.44	9.61	9.62	-	381.64	375.71	397.85	397.31	-
Farm machinery and equipment .....	3523	9.99	9.92	10.07	10.11	-	403.60	394.82	417.91	415.52	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
<b>Durable goods—Continued</b>											
<b>Machinery, except electrical—Continued</b>											
Construction and related machinery .....	353	39.5	39.1	41.5	41.7	-	1.9	1.7	3.2	3.1	-
Construction machinery .....	3531	40.2	39.5	41.3	41.6	-	2.1	1.7	2.4	2.5	-
Mining machinery .....	3532	38.0	38.5	41.4	41.6	-	1.2	1.1	2.9	3.0	-
Oil field machinery .....	3533	39.8	39.2	42.3	42.7	-	2.3	2.1	4.2	4.1	-
Conveyors and conveying equipment .....	3535	38.6	38.7	40.3	40.0	-	1.5	1.7	2.9	2.9	-
Industrial trucks and tractors .....	3537	39.2	38.2	41.7	41.4	-	1.6	1.4	3.6	3.3	-
Metalworking machinery .....	354	40.1	39.8	42.8	42.8	-	2.8	2.7	4.7	4.6	-
Machine tools, metal cutting types .....	3541	38.5	37.9	42.0	42.5	-	1.4	1.2	3.4	3.8	-
Machine tools, metal forming types .....	3542	38.5	37.1	42.8	42.4	-	2.3	2.1	4.7	4.1	-
Special dies, tools, jigs, and fixtures .....	3544	41.3	41.0	43.7	43.4	-	3.8	3.7	5.6	5.3	-
Machine tool accessories .....	3545	39.1	39.2	42.0	42.4	-	2.1	1.9	4.0	4.2	-
Power driven hand tools .....	3546	39.0	38.9	40.6	41.1	-	1.7	1.7	3.2	3.1	-
Special industry machinery .....	355	40.1	40.3	41.6	41.7	-	2.3	2.4	3.4	3.3	-
Food products machinery .....	3551	40.0	40.4	41.5	41.4	-	2.1	2.2	2.6	2.3	-
Textile machinery .....	3552	39.8	39.9	41.8	42.1	-	1.6	1.9	3.3	3.3	-
Printing trades machinery .....	3555	40.8	40.6	41.7	42.6	-	3.3	3.2	3.4	3.4	-
General industrial machinery .....	356	39.6	39.6	42.0	42.0	-	1.9	1.9	3.7	3.6	-
Pumps and pumping equipment .....	3561	39.4	39.4	42.1	42.2	-	1.6	1.4	3.6	3.6	-
Ball and roller bearings .....	3562	41.1	41.3	43.8	44.4	-	2.7	2.7	5.0	5.1	-
Air and gas compressors .....	3563	39.2	39.6	41.1	40.6	-	1.3	1.7	3.1	2.5	-
Blowers and fans .....	3564	39.7	39.8	40.7	40.5	-	1.3	1.6	2.5	2.1	-
Speed changers, drives, and gears .....	3566	37.8	37.9	40.4	40.4	-	1.3	1.6	3.1	3.0	-
Power transmission equipment, nec .....	3568	39.1	38.9	41.6	41.6	-	2.3	2.1	4.2	4.1	-
Office and computing machines .....	357	40.9	40.8	42.3	42.3	-	2.2	2.2	3.0	2.9	-
Electronic computing equipment .....	3573	41.1	41.0	42.4	42.3	-	2.4	2.4	3.0	2.9	-
Refrigeration and service machinery .....	358	39.8	40.1	41.5	41.8	-	1.8	1.8	3.8	3.7	-
Refrigeration and heating equipment .....	3585	40.2	40.8	41.7	42.1	-	1.9	2.1	3.8	3.9	-
Misc. machinery, except electrical .....	359	39.3	39.6	41.7	41.9	-	2.2	2.5	4.0	4.0	-
Carburetors, pistons, rings, and valves .....	3592	40.5	41.2	42.3	42.9	-	3.0	3.3	4.1	4.3	-
Machinery, except electrical, nec .....	3599	39.0	39.3	41.6	41.7	-	2.1	2.4	3.9	4.0	-
Electrical and electronic equipment .....	36	40.1	40.1	41.0	41.0	40.9	2.2	2.2	3.2	3.0	-
Electric distributing equipment .....	361	39.2	39.4	40.5	41.2	-	1.7	1.8	2.7	2.7	-
Transformers .....	3612	39.3	39.8	41.1	41.3	-	1.8	1.7	2.8	2.7	-
Switchgear and switchboard apparatus .....	3613	39.1	39.0	40.1	41.0	-	1.7	1.8	2.6	2.7	-
Electrical industrial apparatus .....	362	39.5	39.6	41.2	41.1	-	1.9	2.1	3.3	3.0	-
Motors and generators .....	3621	40.5	40.6	41.7	41.7	-	2.1	2.4	3.6	3.3	-
Industrial controls .....	3622	38.9	38.8	40.1	40.0	-	1.7	1.8	2.7	2.4	-
Household appliances .....	363	39.6	38.9	40.2	40.3	-	1.9	1.5	2.3	2.3	-
Household refrigerators and freezers .....	3632	39.6	39.4	40.7	40.4	-	1.7	1.5	2.2	2.3	-
Household laundry equipment .....	3633	39.6	39.1	39.7	39.6	-	1.4	1.2	.7	.8	-
Electric housewares and fans .....	3634	39.1	38.6	39.3	40.1	-	1.8	1.3	2.3	2.5	-
Electric lighting and wiring equipment .....	364	41.0	41.0	41.1	41.3	-	2.7	2.6	3.5	3.3	-
Electric lamps .....	3641	42.8	42.6	42.0	43.3	-	3.0	2.8	3.4	3.7	-
Current-carrying wiring devices .....	3643	41.1	41.0	41.3	41.4	-	3.1	2.9	3.8	3.6	-
Noncurrent-carrying wiring devices .....	3644	39.5	39.8	39.5	40.5	-	1.6	1.8	1.7	2.2	-
Residential lighting fixtures .....	3645	41.1	41.5	39.7	39.2	-	2.1	2.3	2.6	2.1	-
Radio and TV receiving equipment .....	365	39.2	39.7	41.0	39.6	-	1.8	2.3	3.2	2.7	-
Radio and TV receiving sets .....	3651	39.5	40.0	41.9	40.6	-	2.0	2.5	3.8	3.1	-
Communication equipment .....	366	40.4	40.4	41.0	41.0	-	2.0	2.1	2.8	2.6	-
Telephone and telegraph apparatus .....	3661	40.2	40.6	40.8	40.8	-	2.0	2.2	3.1	3.0	-
Radio and TV communication equipment .....	3662	40.4	40.2	41.1	41.0	-	2.0	2.0	2.6	2.4	-
Electronic components and accessories .....	367	40.1	40.3	41.2	41.3	-	2.4	2.5	3.5	3.5	-
Electronic tubes .....	3671-3	40.4	40.3	43.0	43.4	-	1.7	1.7	3.2	3.5	-
Semiconductors and related devices .....	3674	40.1	40.7	41.9	41.8	-	2.9	3.0	4.3	4.2	-
Electronic components, nec .....	3679	40.4	40.5	40.9	41.1	-	2.5	2.5	3.4	3.4	-
Misc. electrical equipment and supplies .....	369	40.3	40.6	41.4	41.3	-	2.2	2.4	3.4	3.1	-
Storage batteries .....	3691	39.5	39.9	40.2	40.0	-	1.6	1.9	1.4	1.1	-
Engine electrical equipment .....	3694	40.8	41.8	42.4	42.2	-	2.8	3.6	4.7	4.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
<b>Durable goods—Continued</b>											
Machinery, except electrical—Continued											
Construction and related machinery .....	353	\$10.02	\$10.33	\$10.71	\$10.72	-	\$395.79	\$403.90	\$444.47	\$447.02	-
Construction machinery .....	3531	10.22	11.05	11.41	11.39	-	410.84	436.48	471.23	473.82	-
Mining machinery .....	3532	10.85	10.87	11.18	11.24	-	412.30	418.50	462.85	467.58	-
Oil field machinery .....	3533	10.54	10.59	11.12	11.14	-	419.49	415.13	470.38	475.68	-
Conveyors and conveying equipment .....	3535	8.82	8.87	9.18	9.30	-	340.45	343.27	369.95	372.00	-
Industrial trucks and tractors .....	3537	8.72	8.91	9.15	9.13	-	341.82	340.36	381.56	377.98	-
Metalworking machinery .....	354	9.74	9.73	10.05	10.06	-	390.57	387.25	430.14	430.57	-
Machine tools, metal cutting types .....	3541	9.92	9.94	10.03	10.21	-	381.92	376.73	421.26	433.93	-
Machine tools, metal forming types .....	3542	10.36	10.34	10.60	10.58	-	398.86	383.61	453.68	448.59	-
Special dies, tools, jigs, and fixtures .....	3544	10.28	10.29	10.70	10.65	-	424.56	421.89	467.59	462.21	-
Machine tool accessories .....	3545	8.82	8.82	9.11	9.15	-	344.86	345.74	382.62	387.96	-
Power driven hand tools .....	3546	7.70	7.70	8.11	8.11	-	300.30	299.53	329.27	333.32	-
Special industry machinery .....	355	9.19	9.25	9.62	9.61	-	368.52	372.78	400.19	400.74	-
Food products machinery .....	3551	9.65	9.73	10.07	10.06	-	386.00	393.09	417.91	416.48	-
Textile machinery .....	3552	7.22	7.22	7.54	7.57	-	287.36	288.08	315.17	318.70	-
Printing trades machinery .....	3555	9.51	9.70	9.97	9.79	-	388.01	393.82	415.75	417.05	-
General industrial machinery .....	356	9.33	9.38	9.66	9.70	-	369.47	371.45	405.72	407.40	-
Pumps and pumping equipment .....	3561	9.69	9.67	10.16	10.15	-	381.79	381.00	427.74	428.33	-
Ball and roller bearings .....	3562	9.24	9.39	9.89	10.01	-	379.76	387.81	433.18	444.44	-
Air and gas compressors .....	3563	9.94	9.96	9.45	9.48	-	389.65	394.42	388.40	384.89	-
Blowers and fans .....	3564	8.63	8.76	8.64	8.67	-	342.61	348.65	351.65	351.14	-
Speed changers, drives, and gears .....	3566	9.69	9.75	10.21	10.31	-	366.28	369.53	412.48	416.52	-
Power transmission equipment, nec .....	3568	9.30	9.36	9.80	9.90	-	363.63	364.10	407.68	411.84	-
Office and computing machines .....	357	8.34	8.46	8.84	8.86	-	341.11	345.17	373.93	374.78	-
Electronic computing equipment .....	3573	8.30	8.41	8.77	8.81	-	341.13	344.81	371.85	372.66	-
Refrigeration and service machinery .....	358	9.09	9.15	9.65	9.67	-	361.78	366.92	400.48	404.21	-
Refrigeration and heating equipment .....	3585	9.41	9.46	9.90	9.97	-	378.28	385.97	412.83	419.74	-
Misc. machinery, except electrical .....	359	9.37	9.45	9.68	9.74	-	368.24	374.22	403.66	408.11	-
Carburetors, pistons, rings, and valves .....	3592	10.41	10.68	11.65	11.74	-	421.61	440.02	492.80	503.65	-
Machinery, except electrical, nec .....	3599	9.18	9.21	9.33	9.37	-	358.02	361.95	388.13	390.73	-
Electrical and electronic equipment .....	36	8.58	8.58	8.88	8.89	\$8.89	344.06	344.06	364.08	364.49	\$363.60
Electric distributing equipment .....	361	8.21	8.21	8.49	8.48	-	321.83	323.47	343.85	349.38	-
Transformers .....	3612	8.00	8.06	8.45	8.37	-	314.40	320.79	347.30	345.68	-
Switchgear and switchboard apparatus .....	3613	8.36	8.33	8.53	8.57	-	326.88	324.87	342.05	351.37	-
Electrical industrial apparatus .....	362	8.65	8.68	9.01	9.03	-	341.68	343.73	371.21	371.13	-
Motors and generators .....	3621	8.69	8.72	9.03	9.02	-	351.95	354.03	376.55	376.13	-
Industrial controls .....	3622	8.38	8.41	8.65	8.78	-	325.98	326.31	346.87	351.20	-
Household appliances .....	363	8.44	8.39	8.87	8.83	-	334.22	326.37	356.57	355.85	-
Household refrigerators and freezers .....	3632	9.45	9.41	10.22	10.12	-	374.22	370.75	415.95	408.85	-
Household laundry equipment .....	3633	10.03	10.00	10.40	10.53	-	397.19	391.00	412.88	416.99	-
Electric housewares and fans .....	3634	6.67	6.67	6.85	6.87	-	260.80	257.46	269.21	275.49	-
Electric lighting and wiring equipment .....	364	7.94	7.95	8.34	8.34	-	325.54	325.95	342.77	344.44	-
Electric lamps .....	3641	9.19	9.15	9.54	9.57	-	393.33	389.79	400.68	414.38	-
Current-carrying wiring devices .....	3643	7.37	7.37	7.82	7.76	-	302.91	302.17	322.97	321.26	-
Noncurrent-carrying wiring devices .....	3644	8.25	8.31	8.45	8.63	-	325.88	330.74	333.78	349.52	-
Residential lighting fixtures .....	3645	6.25	6.25	6.51	6.49	-	256.88	259.38	258.45	254.41	-
Radio and TV receiving equipment .....	365	8.16	8.21	8.80	8.76	-	319.87	325.94	360.80	346.90	-
Radio and TV receiving sets .....	3651	8.43	8.53	9.10	9.07	-	332.99	341.20	381.29	368.24	-
Communication equipment .....	366	10.22	10.22	10.62	10.66	-	412.89	412.89	435.42	437.06	-
Telephone and telegraph apparatus .....	3661	10.21	10.24	10.48	10.51	-	410.44	415.74	427.58	428.81	-
Radio and TV communication equipment .....	3662	10.22	10.21	10.69	10.74	-	412.89	410.44	439.36	440.34	-
Electronic components and accessories .....	367	7.51	7.50	7.72	7.74	-	301.15	302.25	318.06	319.66	-
Electronic tubes .....	3671-3	9.61	9.54	10.03	10.08	-	388.24	384.46	431.29	437.47	-
Semiconductors and related devices .....	3674	8.48	8.46	9.01	9.08	-	340.05	344.32	377.52	379.54	-
Electronic components, nec .....	3679	7.03	7.02	7.09	7.10	-	284.01	284.31	289.98	291.81	-
Misc. electrical equipment and supplies .....	369	9.23	9.31	9.69	9.68	-	371.97	377.99	401.17	399.78	-
Storage batteries .....	3691	9.64	9.63	10.16	10.16	-	380.78	384.24	408.43	406.40	-
Engine electrical equipment .....	3694	9.82	9.94	10.35	10.42	-	400.66	415.49	438.84	439.72	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
<b>Durable goods—Continued</b>											
Transportation equipment .....	37	42.0	41.9	43.0	43.4	43.0	3.7	3.5	4.9	4.8	-
Motor vehicles and equipment .....	371	43.3	43.3	44.4	44.9	44.2	4.6	4.3	6.1	6.0	-
Motor vehicles and car bodies .....	3711	43.7	43.3	45.2	46.0	-	5.1	4.2	7.1	6.9	-
Truck and bus bodies .....	3713	41.2	40.1	40.5	40.5	-	2.7	1.8	3.0	2.8	-
Motor vehicle parts and accessories .....	3714	43.4	43.8	44.3	44.6	-	4.4	4.8	5.7	5.9	-
Truck trailers .....	3715	38.6	40.2	42.2	42.8	-	1.4	2.4	4.4	4.7	-
Aircraft and parts .....	372	41.1	41.0	41.6	41.9	-	2.9	2.7	3.6	3.5	-
Aircraft .....	3721	40.9	40.5	-	-	-	2.4	2.1	-	-	-
Aircraft engines and engine parts .....	3724	40.5	40.4	42.0	42.1	-	3.1	3.2	4.8	4.6	-
Aircraft equipment, nec .....	3728	42.2	42.5	42.3	42.1	-	3.5	3.3	3.9	3.6	-
Ship and boat building and repairing .....	373	39.6	39.6	40.8	41.7	-	2.6	2.4	3.6	3.7	-
Ship building and repairing .....	3731	39.5	39.5	40.6	41.5	-	2.6	2.5	3.8	3.6	-
Boat building and repairing .....	3732	39.9	39.9	41.3	42.2	-	2.3	2.3	2.8	3.9	-
Railroad equipment .....	374	38.5	38.1	40.2	41.0	-	1.6	1.4	2.5	2.8	-
Guided missiles, space vehicles, and parts .....	376	41.1	40.6	41.7	42.3	-	3.0	2.8	3.3	3.2	-
Guided missiles and space vehicles .....	3761	41.3	40.9	41.9	42.8	-	3.1	2.9	3.4	3.3	-
Miscellaneous transportation equipment .....	379	42.0	40.2	40.5	40.7	-	4.3	2.7	3.5	3.3	-
Travel trailers and campers .....	3792	42.7	40.3	39.2	39.7	-	5.1	3.0	3.1	2.9	-
Instruments and related products .....	38	40.1	40.3	41.2	41.1	40.7	1.7	1.7	2.5	2.3	-
Engineering and scientific instruments .....	381	40.9	40.9	40.9	40.9	-	2.3	2.3	2.6	2.3	-
Measuring and controlling devices .....	382	39.6	39.9	41.3	41.4	-	1.3	1.3	2.4	2.2	-
Environmental controls .....	3822	39.0	39.4	40.8	40.2	-	1.7	1.9	2.6	2.1	-
Process control instruments .....	3823	39.2	39.9	41.5	41.3	-	1.1	1.0	2.5	2.4	-
Instruments to measure electricity .....	3825	40.1	40.3	41.7	42.5	-	1.1	1.2	2.2	2.1	-
Optical instruments and lenses .....	383	41.8	41.9	44.0	43.6	-	2.4	2.5	3.9	3.6	-
Medical instruments and supplies .....	384	40.0	39.9	40.3	40.0	-	2.0	2.0	2.5	2.3	-
Surgical and medical instruments .....	3841	40.0	40.3	40.3	39.7	-	2.0	2.1	2.6	2.6	-
Surgical appliances and supplies .....	3842	40.0	39.6	40.3	40.3	-	2.0	1.9	2.4	2.0	-
Ophthalmic goods .....	385	39.4	39.8	40.0	39.7	-	1.5	1.4	1.7	1.6	-
Photographic equipment and supplies .....	386	40.9	41.1	42.4	42.4	-	1.8	1.6	2.6	2.6	-
Watches, clocks, and watchcases .....	387	38.5	40.3	40.8	41.2	-	2.2	3.0	3.2	2.7	-
Miscellaneous manufacturing .....	39	38.9	38.8	39.6	39.6	39.3	1.8	1.7	2.3	2.1	-
Jewelry, silverware, and plated ware .....	391	37.7	37.6	37.8	38.1	-	1.5	1.4	1.5	1.3	-
Jewelry, precious metal .....	3911	37.1	37.0	36.7	37.3	-	1.5	1.4	1.3	1.2	-
Musical instruments .....	393	38.6	38.9	39.5	39.7	-	1.1	1.0	1.4	1.4	-
Toys and sporting goods .....	394	39.3	38.9	40.3	40.1	-	1.7	1.5	2.5	2.4	-
Dolls, games, toys, and children's vehicles .....	3942.4	39.0	38.6	38.9	39.0	-	1.5	1.5	1.7	1.7	-
Sporting and athletic goods, nec .....	3949	39.7	39.2	41.5	41.1	-	1.9	1.6	3.2	2.9	-
Pens, pencils, office, and art supplies .....	395	40.2	40.4	40.9	40.4	-	2.1	2.0	2.5	2.4	-
Costume jewelry and notions .....	396	37.2	36.1	36.8	37.2	-	2.2	1.7	1.9	1.8	-
Costume jewelry .....	3961	35.1	33.7	35.7	35.6	-	2.3	1.5	1.6	1.5	-
Miscellaneous manufactures .....	399	39.3	39.6	40.1	40.1	-	1.9	2.1	2.5	2.2	-
Signs and advertising displays .....	3993	39.7	40.0	40.1	40.2	-	2.3	2.6	2.9	2.8	-
<b>Nondurable goods</b> .....		39.1	39.3	39.6	39.8	39.6	2.7	2.8	3.1	3.1	3.0
Food and kindred products .....	20	38.9	39.3	39.3	39.5	39.5	3.1	3.3	3.3	3.3	-
Meat products .....	201	38.9	39.3	38.8	38.4	-	3.2	3.4	3.2	2.9	-
Meat packing plants .....	2011	41.1	41.8	40.4	39.5	-	4.2	4.4	4.1	3.3	-
Sausages and other prepared meats .....	2013	39.3	40.2	38.9	39.2	-	3.1	3.7	2.8	3.0	-
Poultry dressing plants .....	2016	36.4	36.5	36.8	37.0	-	2.3	2.2	2.4	2.5	-
Dairy products .....	202	40.6	40.9	40.8	40.9	-	3.5	3.8	3.7	3.8	-
Cheese, natural and processed .....	2022	38.7	38.7	38.9	39.4	-	3.2	3.1	3.1	3.4	-
Fluid milk .....	2026	41.5	41.8	41.9	42.0	-	3.8	4.2	4.2	4.4	-
Preserved fruits and vegetables .....	203	38.0	38.4	38.4	39.0	-	2.7	2.7	2.6	3.2	-
Canned specialties .....	2032	37.7	39.9	40.0	40.5	-	2.6	3.3	3.7	4.3	-
Canned fruits and vegetables .....	2033	38.2	39.0	38.3	38.7	-	2.4	2.5	2.4	2.8	-
Frozen fruits and vegetables .....	2037	38.9	38.1	37.8	39.5	-	2.7	2.7	2.2	3.8	-
Grain mill products .....	204	42.1	42.1	42.4	42.5	-	4.7	4.7	5.0	4.8	-
Flour and other grain mill products .....	2041	46.1	45.6	44.4	44.8	-	6.3	6.2	6.1	6.1	-
Prepared feeds, nec .....	2048	42.6	42.5	42.6	42.4	-	5.3	5.1	4.8	4.8	-
Bakery products .....	205	38.0	38.4	38.4	38.8	-	2.9	3.1	2.9	2.9	-
Bread, cake, and related products .....	2051	37.7	37.8	37.6	38.2	-	3.1	3.3	3.0	3.2	-
Cookies and crackers .....	2052	38.6	40.0	40.4	40.5	-	2.4	2.6	2.4	2.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>a</sup>	May 1984 <sup>a</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>a</sup>	May 1984 <sup>a</sup>
<b>Durable goods—Continued</b>											
Transportation equipment .....	37	\$11.52	\$11.51	\$12.12	\$12.05	\$12.05	\$483.84	\$482.27	\$521.16	\$522.97	\$518.15
Motor vehicles and equipment .....	371	11.98	11.97	12.62	12.55	12.52	518.73	518.30	560.33	563.50	553.38
Motor vehicles and car bodies .....	3711	13.20	13.15	13.99	13.91	-	576.84	569.40	632.35	639.86	-
Truck and bus bodies .....	3713	8.68	8.59	9.69	9.65	-	357.62	344.46	392.45	390.83	-
Motor vehicle parts and accessories .....	3714	11.42	11.47	12.07	12.07	-	495.63	502.39	534.70	538.32	-
Truck trailers .....	3715	8.39	8.47	8.83	8.89	-	323.85	340.49	372.63	380.49	-
Aircraft and parts .....	372	11.67	11.69	12.31	12.28	-	479.64	479.29	512.10	514.53	-
Aircraft .....	3721	12.44	12.45	-	-	-	508.80	504.23	-	-	-
Aircraft engines and engine parts .....	3724	11.39	11.41	12.23	12.22	-	461.30	460.96	513.66	514.46	-
Aircraft equipment, nec .....	3728	10.58	10.63	11.11	11.09	-	446.48	451.78	469.95	466.89	-
Ship and boat building and repairing .....	373	9.92	9.82	10.30	10.25	-	392.83	388.87	420.24	427.43	-
Ship building and repairing .....	3731	10.66	10.57	11.28	11.21	-	421.07	417.52	457.97	465.22	-
Boat building and repairing .....	3732	7.61	7.59	7.55	7.66	-	303.64	302.84	311.82	323.25	-
Railroad equipment .....	374	11.37	11.54	12.25	12.20	-	437.75	439.67	492.55	500.20	-
Guided missiles, space vehicles, and parts .....	376	11.55	11.54	11.82	11.81	-	474.71	468.52	492.89	499.56	-
Guided missiles and space vehicles .....	3761	11.79	11.79	12.04	12.03	-	486.93	482.21	504.48	514.88	-
Miscellaneous transportation equipment .....	379	9.50	9.39	9.54	9.53	-	399.00	377.48	386.37	387.87	-
Travel trailers and campers .....	3792	8.35	8.26	8.50	8.45	-	356.55	332.88	333.20	335.47	-
Instruments and related products .....	38	8.38	8.39	8.71	8.73	8.70	336.04	338.12	358.85	358.80	354.09
Engineering and scientific instruments .....	381	8.83	8.87	9.28	9.35	-	361.15	362.78	379.55	382.42	-
Measuring and controlling devices .....	382	8.31	8.34	8.66	8.67	-	329.08	332.77	357.66	358.94	-
Environmental controls .....	3822	7.72	7.80	8.24	8.20	-	301.08	307.32	336.19	329.64	-
Process control instruments .....	3823	8.36	8.38	8.81	8.85	-	327.71	334.36	365.62	365.51	-
Instruments to measure electricity .....	3825	8.66	8.69	8.92	8.95	-	347.27	350.21	371.96	380.38	-
Optical instruments and lenses .....	383	9.04	9.05	9.79	9.80	-	377.87	379.20	430.76	427.28	-
Medical instruments and supplies .....	384	7.29	7.32	7.69	7.68	-	291.60	292.07	309.91	307.20	-
Surgical and medical instruments .....	3841	7.36	7.36	7.74	7.79	-	294.40	296.61	311.92	309.26	-
Surgical appliances and supplies .....	3842	7.20	7.26	7.62	7.60	-	288.00	287.50	307.09	306.28	-
Ophthalmic goods .....	385	6.35	6.32	6.39	6.38	-	250.19	251.54	255.60	253.29	-
Photographic equipment and supplies .....	386	11.06	11.01	11.35	11.41	-	452.35	452.51	481.24	483.78	-
Watches, clocks, and watchcases .....	387	6.28	6.27	6.50	6.51	-	241.78	252.68	265.20	268.21	-
Miscellaneous manufacturing .....	39	6.74	6.80	6.97	6.96	7.01	262.19	263.84	276.01	275.62	275.49
Jewelry, silverware, and plated ware .....	391	7.21	7.26	7.50	7.55	-	271.82	272.98	283.50	287.66	-
Jewelry, precious metal .....	3911	7.07	7.11	7.49	7.56	-	262.30	263.07	274.88	281.99	-
Musical instruments .....	393	6.68	6.72	6.85	6.90	-	257.85	261.41	270.58	273.93	-
Toys and sporting goods .....	394	6.28	6.32	6.32	6.29	-	246.80	245.85	254.70	252.23	-
Dolls, games, toys, and children's vehicles .....	3942,4	6.07	6.10	6.13	6.12	-	236.73	235.46	238.46	238.68	-
Sporting and athletic goods, nec .....	3949	6.47	6.55	6.48	6.43	-	256.86	256.76	268.92	264.27	-
Pens, pencils, office, and art supplies .....	395	6.95	6.97	7.33	7.37	-	279.39	281.59	299.80	297.75	-
Costume jewelry and notions .....	396	5.66	5.66	5.81	5.84	-	210.55	204.33	213.81	217.25	-
Costume jewelry .....	3961	5.26	5.24	5.26	5.26	-	184.63	176.59	187.78	187.26	-
Miscellaneous manufactures .....	399	7.24	7.34	7.62	7.61	-	284.53	290.66	305.56	305.16	-
Signs and advertising displays .....	3993	7.87	8.07	8.21	8.16	-	312.44	322.80	329.22	328.03	-
<b>Nondurable goods</b> .....		8.03	8.04	8.27	8.29	8.31	313.97	315.97	327.49	329.94	329.08
Food and kindred products .....	20	8.23	8.21	8.39	8.43	8.42	320.15	322.65	329.73	332.99	332.59
Meat products .....	201	7.55	7.43	7.29	7.26	-	293.70	292.00	282.85	278.78	-
Meat packing plants .....	2011	8.92	8.55	8.28	8.19	-	366.61	357.39	334.51	323.51	-
Sausages and other prepared meats .....	2013	9.03	9.19	8.83	8.92	-	354.88	369.44	343.49	349.66	-
Poultry dressing plants .....	2016	5.26	5.27	5.46	5.48	-	191.46	192.36	200.93	202.76	-
Dairy products .....	202	8.40	8.46	8.70	8.76	-	341.04	346.01	354.96	358.28	-
Cheese, natural and processed .....	2022	8.05	8.13	8.35	8.38	-	311.54	314.63	324.82	330.17	-
Fluid milk .....	2026	7.40	8.71	8.81	8.96	-	357.73	364.08	369.14	376.32	-
Preserved fruits and vegetables .....	203	8.27	7.47	7.66	7.75	-	281.20	286.85	294.14	302.25	-
Canned specialties .....	2032	8.43	8.62	8.94	9.05	-	317.81	343.94	357.60	366.53	-
Canned fruits and vegetables .....	2033	7.51	7.61	7.97	7.90	-	286.88	296.79	305.25	305.73	-
Frozen fruits and vegetables .....	2037	6.93	6.89	7.14	7.34	-	269.58	262.51	269.89	289.93	-
Grain mill products .....	204	9.45	9.45	9.96	10.01	-	397.85	397.85	422.30	425.43	-
Flour and other grain mill products .....	2041	9.44	9.55	10.05	10.11	-	435.18	435.48	446.22	452.93	-
Prepared feeds, nec .....	2048	7.49	7.43	7.54	7.53	-	319.07	315.78	321.20	319.27	-
Bakery products .....	205	8.75	8.82	9.13	9.22	-	332.50	338.69	350.59	357.74	-
Bread, cake, and related products .....	2051	8.82	8.91	9.12	9.19	-	332.51	336.80	342.91	351.06	-
Cookies and crackers .....	2052	8.58	8.58	9.17	9.28	-	331.19	343.20	370.47	375.84	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
Food and kindred products—Continued											
Sugar and confectionery products .....	206	38.3	38.8	39.2	40.2	-	2.1	2.0	2.7	2.5	-
Cane and beet sugar .....	2061-3	39.9	40.1	40.3	41.4	-	4.0	2.8	4.2	4.2	-
Confectionery products .....	2065	37.1	37.6	38.5	39.6	-	1.3	1.4	2.1	1.8	-
Fats and oils .....	207	42.6	42.1	42.6	43.2	-	4.9	4.5	4.2	4.7	-
Beverages .....	208	39.7	40.2	40.3	40.8	-	3.3	3.7	3.3	3.6	-
Malt beverages .....	2082	41.8	42.2	43.9	44.0	-	5.5	5.6	5.1	5.5	-
Bottled and canned soft drinks .....	2086	38.7	39.6	38.7	39.6	-	2.5	3.1	2.7	3.0	-
Misc. food and kindred products .....	209	36.5	37.4	37.6	37.9	-	2.4	2.7	3.6	3.4	-
Tobacco manufactures .....	21	37.3	37.4	36.9	39.5	40.1	.8	.7	.8	.9	-
Cigarettes .....	211	37.4	37.5	37.4	40.0	-	.8	.7	.7	.9	-
Textile mill products .....	22	40.2	40.6	40.4	40.6	40.2	3.3	3.5	3.5	3.7	-
Weaving mills, cotton .....	221	40.0	40.7	39.7	39.6	-	3.6	3.8	3.6	3.9	-
Weaving mills, synthetics .....	222	40.6	40.8	40.7	41.6	-	3.3	3.7	3.6	4.2	-
Weaving and finishing mills, wool .....	223	40.4	41.3	41.0	41.6	-	3.9	4.1	3.9	3.7	-
Narrow fabric mills .....	224	39.9	39.7	40.8	41.0	-	2.3	2.1	2.9	2.9	-
Knitting mills .....	225	38.6	39.1	38.7	38.8	-	2.6	2.9	2.5	2.5	-
Women's hosiery, except socks .....	2251	39.3	39.7	39.3	38.0	-	2.6	2.7	3.2	2.1	-
Hosiery, nec .....	2252	38.0	39.0	37.6	37.1	-	2.2	2.9	1.9	1.6	-
Knit outerwear mills .....	2253	36.4	36.8	37.8	38.1	-	2.0	2.0	2.2	2.4	-
Knit underwear mills .....	2254	37.1	37.4	37.2	38.4	-	1.3	1.7	1.1	1.4	-
Circular knit fabric mills .....	2257	42.1	42.6	40.8	41.2	-	4.4	4.3	3.3	3.2	-
Textile finishing, except wool .....	226	41.7	41.8	42.3	42.5	-	4.0	4.3	4.6	4.5	-
Finishing plants, cotton .....	2261	42.1	42.4	42.6	43.5	-	4.2	4.5	4.7	5.0	-
Finishing plants, synthetics .....	2262	40.0	40.8	41.2	40.3	-	3.3	3.8	4.1	3.7	-
Floor covering mills .....	227	41.7	41.2	42.3	42.5	-	4.3	3.8	4.9	4.8	-
Yarn and thread mills .....	228	41.2	41.3	40.9	41.0	-	3.8	3.9	3.9	4.0	-
Yarn mills, except wool .....	2281	42.0	41.9	41.7	41.5	-	4.3	4.3	4.3	4.3	-
Throwing and winding mills .....	2282	38.8	38.4	37.2	38.1	-	2.7	2.6	2.6	3.1	-
Miscellaneous textile goods .....	229	41.2	42.0	43.1	43.0	-	3.1	3.6	4.3	4.3	-
Apparel and other textile products .....	23	35.9	36.1	36.7	36.8	36.5	1.2	1.2	1.6	1.5	-
Men's and boys' suits and coats .....	231	34.4	35.6	36.7	36.8	-	.4	.5	1.2	1.1	-
Men's and boys' furnishings .....	232	36.6	37.2	37.4	37.6	-	1.1	1.1	1.3	1.2	-
Men's and boys' shirts and nightwear .....	2321	35.6	36.7	36.9	37.0	-	.9	1.1	1.1	1.1	-
Men's and boys' separate trousers .....	2327	36.4	36.3	37.3	37.4	-	1.3	1.1	1.2	1.1	-
Men's and boys' work clothing .....	2328	37.1	37.7	37.9	37.9	-	1.1	1.1	1.3	1.2	-
Women's and misses' outerwear .....	233	34.2	34.1	35.0	34.9	-	1.1	1.1	1.5	1.4	-
Women's and misses' blouses and waists .....	2331	33.9	34.1	34.7	34.7	-	1.1	.9	1.3	.9	-
Women's and misses' dresses .....	2335	33.0	32.8	33.6	33.2	-	.9	.9	1.1	.9	-
Women's and misses' suits and coats .....	2337	33.8	33.6	33.7	34.1	-	.7	.8	1.3	1.3	-
Women's and misses' outerwear, nec .....	2339	35.6	35.3	36.8	36.7	-	1.5	1.3	2.1	2.0	-
Women's and children's undergarments .....	234	35.8	36.0	37.5	37.5	-	.9	.9	1.7	1.5	-
Women's and children's underwear .....	2341	36.0	36.0	37.5	37.5	-	1.0	1.0	1.7	1.4	-
Brassieres and allied garments .....	2342	35.1	35.8	37.2	37.5	-	.5	.6	1.9	2.0	-
Children's outerwear .....	236	35.7	35.5	36.4	36.1	-	.7	.9	1.4	1.0	-
Children's dresses and blouses .....	2361	35.1	34.8	35.4	35.5	-	.6	.8	1.3	1.1	-
Misc. apparel and accessories .....	238	36.0	36.2	37.5	38.1	-	1.4	1.3	1.9	1.7	-
Misc. fabricated textile products .....	239	39.2	39.3	38.7	39.2	-	1.9	2.2	2.2	2.5	-
Curtains and draperies .....	2391	38.9	38.6	38.4	38.1	-	1.1	1.5	1.7	1.5	-
House furnishings, nec .....	2392	38.9	39.0	38.3	38.8	-	2.0	2.3	2.2	2.6	-
Automotive and apparel trimmings .....	2396	41.3	41.3	40.7	41.5	-	3.5	3.6	3.2	4.2	-
Paper and allied products .....	26	42.2	42.5	42.7	42.9	42.9	4.3	4.4	4.8	4.7	-
Paper and pulp mills .....	261,2,6	43.9	44.3	44.5	44.8	-	5.9	6.0	6.6	6.5	-
Paper mills, except building paper .....	262	44.4	44.7	44.6	45.0	-	6.0	6.2	6.6	6.5	-
Paperboard mills .....	263	43.1	42.9	43.7	44.3	-	7.0	6.7	7.3	7.3	-
Misc. converted paper products .....	264	41.2	41.3	41.6	41.5	-	2.8	2.8	3.2	3.0	-
Paper coating and glazing .....	2641	42.5	42.8	42.6	42.5	-	2.8	2.7	3.3	3.1	-
Envelopes .....	2642	40.2	39.3	40.3	40.7	-	2.1	2.1	3.0	2.8	-
Bags, except textile bags .....	2643	40.5	40.8	41.8	41.8	-	2.7	2.7	3.3	3.5	-
Paperboard containers and boxes .....	265	41.2	41.7	41.9	42.1	-	3.4	3.6	4.0	3.9	-
Folding paperboard boxes .....	2651	40.8	41.4	42.3	42.3	-	2.9	3.4	4.0	3.7	-
Corrugated and solid fiber boxes .....	2653	42.0	42.4	42.9	42.8	-	3.9	4.1	4.7	4.4	-
Sanitary food containers .....	2654	41.2	42.4	41.4	42.4	-	3.4	3.8	3.1	4.0	-

See footnotes at end of table.



**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
		<b>Nondurable goods—Continued</b>									
Food and kindred products—Continued											
Sugar and confectionery products .....	206	\$8.06	\$8.05	\$8.25	\$8.39	-	\$308.70	\$312.34	\$323.40	\$337.28	-
Cane and beet sugar .....	2061-3	9.74	9.53	9.92	9.90	-	388.63	382.15	399.78	409.86	-
Confectionery products .....	2065	6.97	6.98	7.11	7.29	-	258.59	262.45	273.74	288.68	-
Fats and oils .....	207	8.71	8.80	8.82	8.80	-	371.05	370.48	375.73	380.16	-
Beverages .....	208	10.39	10.39	10.94	10.98	-	412.48	417.68	440.88	447.98	-
Malt beverages .....	2082	13.81	13.71	14.77	14.93	-	577.26	578.56	648.40	656.92	-
Bottled and canned soft drinks .....	2086	7.77	7.85	8.21	8.25	-	300.70	310.86	317.73	326.70	-
Misc. food and kindred products .....	209	7.41	7.42	7.65	7.65	-	270.47	277.51	287.64	289.94	-
Tobacco manufactures .....	21	10.67	10.78	11.29	11.41	\$11.54	397.99	403.17	416.60	450.70	\$462.75
Cigarettes .....	211	12.43	12.44	13.39	13.44	-	464.88	466.50	500.79	537.60	-
Textile mill products .....	22	6.14	6.14	6.41	6.43	6.41	246.83	249.28	258.96	261.06	257.68
Weaving mills, cotton .....	221	6.40	6.43	6.75	6.77	-	256.00	261.70	267.98	268.09	-
Weaving mills, synthetics .....	222	6.53	6.56	6.88	6.93	-	265.12	267.65	280.02	288.29	-
Weaving and finishing mills, wool .....	223	6.36	6.40	6.75	6.76	-	256.94	264.32	276.75	281.22	-
Narrow fabric mills .....	224	5.82	5.80	6.04	6.07	-	232.22	230.26	246.43	248.87	-
Knitting mills .....	225	5.66	5.65	5.86	5.87	-	218.48	220.92	226.78	227.76	-
Women's hosiery, except socks .....	2251	5.41	5.39	5.73	5.63	-	212.61	213.98	225.19	213.94	-
Hosiery, nec .....	2252	5.44	5.44	5.62	5.63	-	206.72	212.16	211.31	208.87	-
Knit outerwear mills .....	2253	5.49	5.44	5.72	5.77	-	199.84	200.19	216.22	219.84	-
Knit underwear mills .....	2254	5.31	5.31	5.56	5.59	-	197.00	198.59	206.83	214.66	-
Circular knit fabric mills .....	2257	6.37	6.38	6.41	6.42	-	268.18	271.79	261.53	264.50	-
Textile finishing, except wool .....	226	6.55	6.56	6.79	6.79	-	273.14	274.21	287.22	288.58	-
Finishing plants, cotton .....	2261	6.63	6.63	6.90	6.93	-	279.12	281.11	293.94	301.46	-
Finishing plants, synthetics .....	2262	6.80	6.74	7.16	7.19	-	272.00	274.99	294.99	289.76	-
Floor covering mills .....	227	6.34	6.28	6.52	6.53	-	264.38	258.74	275.80	277.53	-
Yarn and thread mills .....	228	5.78	5.78	6.07	6.08	-	238.14	238.71	248.26	249.28	-
Yarn mills, except wool .....	2281	5.79	5.78	6.09	6.09	-	243.18	242.18	253.95	252.74	-
Throwing and winding mills .....	2282	5.57	5.62	5.87	5.92	-	216.12	215.81	218.36	225.55	-
Miscellaneous textile goods .....	229	6.74	6.72	7.01	7.05	-	277.69	282.24	302.13	303.15	-
Apparel and other textile products .....	23	5.35	5.33	5.48	5.48	5.46	192.07	192.41	201.12	201.66	199.29
Men's and boys' suits and coats .....	231	6.16	6.10	6.36	6.39	-	211.90	217.16	233.41	235.15	-
Men's and boys' furnishings .....	232	4.93	4.90	5.08	5.09	-	180.44	182.28	189.99	191.38	-
Men's and boys' shirts and nightwear .....	2321	4.75	4.73	4.88	4.91	-	169.10	173.59	180.07	181.67	-
Men's and boys' separate trousers .....	2327	5.01	4.97	5.16	5.19	-	182.36	180.41	192.47	194.11	-
Men's and boys' work clothing .....	2328	4.89	4.90	5.09	5.09	-	181.42	184.73	192.91	192.91	-
Women's and misses' outerwear .....	233	5.25	5.23	5.42	5.42	-	179.55	178.34	189.70	189.16	-
Women's and misses' blouses and waists .....	2331	4.89	4.86	5.04	5.02	-	165.77	165.73	174.89	174.19	-
Women's and misses' dresses .....	2335	5.42	5.41	5.64	5.59	-	178.86	177.45	189.50	185.59	-
Women's and misses' suits and coats .....	2337	5.75	5.83	6.05	6.05	-	194.35	195.89	203.89	206.31	-
Women's and misses' outerwear, nec .....	2339	5.07	5.02	5.20	5.22	-	180.49	177.21	191.36	191.57	-
Women's and children's undergarments .....	234	4.88	4.84	5.04	5.03	-	174.70	174.24	189.00	188.63	-
Women's and children's underwear .....	2341	4.81	4.78	4.94	4.93	-	173.16	172.08	185.25	184.88	-
Brassieres and allied garments .....	2342	5.20	5.15	5.53	5.55	-	182.52	184.37	205.72	208.13	-
Children's outerwear .....	236	4.80	4.76	4.96	4.95	-	171.36	168.98	180.54	178.70	-
Children's dresses and blouses .....	2361	4.78	4.75	4.94	4.93	-	167.78	165.30	174.88	175.02	-
Misc. apparel and accessories .....	238	5.25	5.26	5.38	5.32	-	189.00	190.41	201.75	202.69	-
Misc. fabricated textile products .....	239	6.40	6.38	6.35	6.42	-	250.88	250.73	245.75	251.66	-
Curtains and draperies .....	2391	4.84	4.88	5.16	5.18	-	188.28	188.37	198.14	197.36	-
House furnishings, nec .....	2392	5.45	5.40	5.53	5.61	-	212.01	210.60	211.80	217.67	-
Automotive and apparel trimmings .....	2396	10.75	10.64	9.80	9.97	-	443.98	439.43	398.86	413.76	-
Paper and allied products .....	26	9.73	9.81	10.25	10.29	10.35	410.61	416.93	437.68	441.44	444.02
Paper and pulp mills .....	261,2,6	11.36	11.48	12.12	12.19	-	498.70	508.56	539.34	546.11	-
Paper mills, except building paper .....	262	11.37	11.49	12.10	12.18	-	504.83	513.60	539.66	548.10	-
Paperboard mills .....	263	11.90	12.03	12.69	12.79	-	512.89	516.09	554.55	566.60	-
Misc. converted paper products .....	264	8.53	8.58	9.01	8.96	-	351.44	354.35	374.82	371.84	-
Paper coating and glazing .....	2641	9.68	9.67	10.28	10.35	-	411.40	413.88	437.93	439.88	-
Envelopes .....	2642	7.93	8.04	8.29	8.21	-	318.79	315.97	334.09	334.15	-
Bags, except textile bags .....	2643	7.96	8.03	8.47	8.44	-	322.38	327.62	354.05	352.79	-
Paperboard containers and boxes .....	265	8.50	8.56	8.77	8.81	-	350.20	356.95	367.46	370.90	-
Folding paperboard boxes .....	2651	8.79	8.90	9.07	9.05	-	358.63	368.46	383.66	382.82	-
Corrugated and solid fiber boxes .....	2653	8.74	8.82	9.03	9.09	-	367.08	373.97	387.39	389.05	-
Sanitary food containers .....	2654	8.22	8.27	8.35	8.57	-	338.66	350.65	345.69	363.37	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
Printing and publishing .....	27	37.4	37.3	38.0	38.1	37.8	2.4	2.3	2.9	2.8	-
Newspapers .....	271	33.4	33.5	33.8	34.3	-	1.4	1.4	1.6	1.9	-
Periodicals .....	272	37.0	37.1	37.0	36.7	-	2.0	2.0	2.1	1.7	-
Books .....	273	39.3	38.8	39.7	40.5	-	3.0	2.8	3.5	3.6	-
Book publishing .....	2731	38.8	38.3	38.6	39.0	-	1.8	1.7	2.5	2.6	-
Book printing .....	2732	39.9	39.4	41.1	42.4	-	4.7	4.4	4.7	4.8	-
Miscellaneous publishing .....	274	36.8	35.6	36.6	37.8	-	2.0	1.4	1.6	1.6	-
Commercial printing .....	275	38.7	38.5	39.4	39.1	-	2.9	2.7	3.6	3.4	-
Commercial printing, letterpress .....	2751	38.5	38.2	38.5	38.8	-	2.6	2.4	2.9	3.1	-
Commercial printing, lithographic .....	2752	38.6	38.4	39.7	39.1	-	2.9	2.7	3.8	3.4	-
Manifold business forms .....	276	39.9	40.5	41.3	40.7	-	2.4	2.6	3.6	2.7	-
Blankbooks and bookbinding .....	278	38.4	38.5	39.1	39.4	-	1.7	1.9	2.3	2.0	-
Printing trade services .....	279	38.0	38.0	40.0	39.1	-	3.6	3.4	4.4	3.8	-
Chemicals and allied products .....	28	41.5	41.5	41.9	42.0	41.9	3.0	3.1	3.4	3.4	-
Industrial inorganic chemicals .....	281	41.0	41.2	42.2	42.4	-	2.5	2.7	3.2	3.3	-
Industrial inorganic chemicals, nec .....	2819	41.3	41.3	42.3	42.4	-	2.6	2.8	3.2	3.2	-
Plastics materials and synthetics .....	282	41.8	42.0	42.4	42.6	-	3.2	3.3	3.6	3.5	-
Plastics materials and resins .....	2821	42.8	42.6	43.5	43.5	-	3.9	4.0	5.0	4.9	-
Organic fibers, noncellulosic .....	2824	41.6	42.0	42.0	42.3	-	2.7	3.1	2.6	2.6	-
Drugs .....	283	41.6	41.0	40.4	40.7	-	2.8	2.7	2.7	2.5	-
Pharmaceutical preparations .....	2834	40.8	40.6	40.4	40.7	-	2.8	2.7	2.6	2.4	-
Soap, cleaners, and toilet goods .....	284	40.5	40.6	40.9	40.9	-	2.6	2.9	2.8	2.6	-
Soap and other detergents .....	2841	42.3	43.1	43.8	43.7	-	4.1	4.2	4.5	4.1	-
Toilet preparations .....	2844	39.5	39.3	39.0	39.1	-	1.7	2.5	1.9	1.8	-
Polishing, sanitation, and finishing preparations .....	2842,3	40.1	39.7	41.1	40.9	-	2.1	1.8	2.6	2.5	-
Paints and allied products .....	285	40.7	41.1	42.3	42.2	-	2.8	2.9	3.2	3.2	-
Industrial organic chemicals .....	286	42.6	42.4	42.9	42.8	-	3.5	3.4	4.1	4.3	-
Cyclic crudes and intermediates .....	2865	41.5	41.6	41.9	42.3	-	3.1	3.2	3.7	4.2	-
Gum, wood, and industrial organic chemicals, nec .....	2861,9	42.9	42.7	43.2	43.0	-	3.6	3.4	4.2	4.3	-
Agricultural chemicals .....	287	42.1	42.9	42.9	42.9	-	3.9	4.7	5.4	5.1	-
Miscellaneous chemical products .....	289	40.8	41.0	41.7	41.9	-	2.7	2.9	3.4	3.4	-
Petroleum and coal products .....	29	43.8	43.7	43.6	44.2	44.2	4.0	3.9	4.2	4.3	-
Petroleum refining .....	291	44.3	44.1	44.0	44.5	-	3.9	3.6	4.0	4.1	-
Paving and roofing materials .....	295	42.5	43.0	42.9	43.7	-	5.3	5.9	5.5	5.9	-
Rubber and misc. plastics products .....	30	41.1	41.1	41.7	42.1	41.7	3.3	3.4	4.1	4.2	-
Tires and inner tubes .....	301	42.3	42.4	44.8	45.1	-	3.3	3.7	6.3	6.2	-
Rubber and plastics footwear .....	302	38.2	38.5	40.2	39.8	-	1.7	1.8	2.7	2.5	-
Reclaimed rubber, and rubber and plastics hose and belting .....	303,4	39.4	38.5	43.5	43.2	-	2.3	2.0	4.2	4.5	-
Fabricated rubber products, nec .....	306	40.1	40.4	41.5	41.9	-	2.5	2.6	3.3	3.7	-
Miscellaneous plastics products .....	307	41.2	41.3	41.2	41.7	-	3.5	3.6	3.9	4.0	-
Leather and leather products .....	31	36.5	37.1	36.1	37.2	37.5	1.1	1.4	1.4	1.3	-
Leather tanning and finishing .....	311	40.6	40.7	39.3	40.5	-	3.3	3.6	2.7	2.9	-
Footwear, except rubber .....	314	35.7	36.7	35.1	36.5	-	.8	1.1	1.1	1.0	-
Men's footwear, except athletic .....	3143	36.6	37.1	35.9	36.9	-	.6	.9	1.0	1.0	-
Women's footwear, except athletic .....	3144	35.4	36.6	34.4	36.2	-	1.0	1.5	1.1	.9	-
Luggage .....	316	38.0	38.1	38.7	38.6	-	1.6	1.9	2.4	2.7	-
Handbags and personal leather goods .....	317	36.7	37.6	37.4	37.5	-	.7	.9	1.7	1.3	-
<b>Transportation and public utilities .....</b>		<b>38.7</b>	<b>38.7</b>	<b>39.0</b>	<b>39.3</b>	<b>39.2</b>	-	-	-	-	-
Railroad transportation:											
Class I railroads <sup>2</sup> .....	4011	41.7	40.8	42.5	43.1	-	-	-	-	-	-
Local and interurban passenger transit .....	41	33.7	34.0	32.7	33.4	-	-	-	-	-	-
Local and suburban transportation .....	411	38.9	38.4	37.5	37.6	-	-	-	-	-	-
Intercity highway transportation .....	413	36.6	37.3	33.7	35.8	-	-	-	-	-	-
Trucking and warehousing .....	42	37.9	38.3	38.5	38.9	-	-	-	-	-	-
Trucking and trucking terminals .....	421,3	37.9	38.3	38.5	38.9	-	-	-	-	-	-
Public warehousing .....	422	37.5	38.0	38.0	38.4	-	-	-	-	-	-
Pipe lines, except natural gas .....	46	41.5	41.1	38.6	39.7	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
Printing and publishing .....	27	\$9.02	\$9.04	\$9.29	\$9.30	\$9.28	\$337.35	\$337.19	\$353.02	\$354.33	\$350.78
Newspapers .....	271	9.18	9.16	9.33	9.43	-	306.61	306.86	315.35	323.45	-
Periodicals .....	272	9.44	9.53	9.88	10.04	-	349.28	353.56	365.56	368.47	-
Books .....	273	8.18	8.20	8.31	8.25	-	321.47	318.16	329.91	334.13	-
Book publishing .....	2731	7.81	7.87	8.03	7.97	-	303.03	301.42	309.96	310.83	-
Book printing .....	2732	8.69	8.65	8.64	8.58	-	346.73	340.81	355.10	363.79	-
Miscellaneous publishing .....	274	8.16	8.07	8.28	8.33	-	300.29	287.29	303.05	314.87	-
Commercial printing .....	275	9.30	9.34	9.57	9.58	-	359.91	359.59	377.06	374.58	-
Commercial printing, letterpress .....	2751	8.89	8.90	9.08	9.15	-	342.27	339.98	349.58	355.02	-
Commercial printing, lithographic .....	2752	9.44	9.47	9.79	9.76	-	364.38	363.65	388.66	381.62	-
Manifold business forms .....	276	9.08	9.09	9.50	9.45	-	362.29	368.15	392.35	384.62	-
Blankbooks and bookbinding .....	278	7.11	7.12	7.43	7.36	-	273.02	274.12	290.51	289.98	-
Printing trade services .....	279	10.93	10.88	11.35	11.35	-	415.34	413.44	454.00	443.79	-
Chemicals and allied products .....	28	10.44	10.50	10.95	10.97	11.02	433.26	435.75	458.81	460.74	461.74
Industrial inorganic chemicals .....	281	11.42	11.54	12.12	12.22	-	468.22	475.45	511.46	518.13	-
Industrial inorganic chemicals, nec .....	2819	11.51	11.65	12.13	12.18	-	475.36	481.15	513.10	516.43	-
Plastics materials and synthetics .....	282	10.45	10.51	10.94	10.96	-	436.81	441.42	463.86	466.90	-
Plastics materials and resins .....	2821	11.26	11.36	11.89	11.87	-	481.93	483.94	517.22	516.35	-
Organic fibers, noncellulosic .....	2824	10.01	10.10	10.47	10.55	-	416.42	424.20	439.74	446.27	-
Drugs .....	283	9.48	9.62	10.17	10.21	-	394.37	394.42	410.87	415.55	-
Pharmaceutical preparations .....	2834	9.23	9.31	9.72	9.78	-	376.58	377.99	392.69	398.05	-
Soap, cleaners, and toilet goods .....	284	9.56	9.66	9.80	9.84	-	387.18	392.20	400.82	402.46	-
Soap and other detergents .....	2841	12.44	12.47	12.75	12.77	-	526.21	537.46	558.45	558.05	-
Toilet preparations .....	2844	7.74	7.86	8.05	8.08	-	305.73	308.90	313.95	315.93	-
Polishing, sanitation, and finishing preparations .....	2842,3	8.97	9.07	9.17	9.25	-	359.70	360.08	376.89	378.33	-
Paints and allied products .....	285	9.34	9.33	9.65	9.68	-	380.14	383.46	408.20	408.50	-
Industrial organic chemicals .....	286	12.65	12.63	13.23	13.26	-	538.89	535.51	567.57	567.53	-
Cyclic crudes and intermediates .....	2865	12.12	11.90	12.63	12.72	-	502.98	495.04	529.20	538.06	-
Gum, wood, and industrial organic chemicals, nec .....	2861,9	12.81	12.86	13.42	13.43	-	549.55	549.12	579.74	577.49	-
Agricultural chemicals .....	287	9.85	9.89	10.43	10.38	-	414.69	424.28	447.45	445.30	-
Miscellaneous chemical products .....	289	9.45	9.48	9.97	9.95	-	385.56	388.68	415.75	416.91	-
Petroleum and coal products .....	29	13.28	13.18	13.44	13.43	13.33	581.66	575.97	585.98	593.61	589.19
Petroleum refining .....	291	14.31	14.23	14.50	14.54	-	633.93	627.54	638.00	647.03	-
Paving and roofing materials .....	295	9.38	9.58	9.71	9.89	-	398.65	411.94	416.56	432.19	-
Rubber and misc. plastics products .....	30	7.92	7.94	8.20	8.25	8.27	325.51	326.33	341.94	347.33	344.86
Tires and inner tubes .....	301	12.14	12.17	12.87	12.95	-	513.52	516.01	576.58	584.05	-
Rubber and plastics footwear .....	302	5.15	5.17	5.18	5.22	-	196.73	199.05	208.24	207.76	-
Reclaimed rubber, and rubber and plastics hose and belting .....	303,4	8.14	8.15	8.22	8.21	-	320.72	313.78	357.57	354.67	-
Fabricated rubber products, nec .....	306	7.56	7.58	7.89	7.92	-	303.16	306.23	327.44	331.85	-
Miscellaneous plastics products .....	307	7.27	7.30	7.54	7.58	-	299.52	301.49	310.65	316.09	-
Leather and leather products .....	31	5.54	5.52	5.68	5.67	5.71	202.21	204.79	205.05	210.92	214.13
Leather tanning and finishing .....	311	7.48	7.51	7.42	7.36	-	303.69	305.66	291.61	298.08	-
Footwear, except rubber .....	314	5.26	5.24	5.42	5.42	-	187.78	192.31	190.24	197.83	-
Men's footwear, except athletic .....	3143	5.48	5.45	5.67	5.69	-	200.57	202.20	203.55	209.96	-
Women's footwear, except athletic .....	3144	5.14	5.15	5.26	5.24	-	181.96	188.49	180.94	189.69	-
Luggage .....	316	6.19	6.06	6.43	6.35	-	235.22	230.89	248.84	245.11	-
Handbags and personal leather goods .....	317	5.16	5.20	5.41	5.40	-	189.37	195.52	202.33	202.50	-
<b>Transportation and public utilities .....</b>		<b>10.70</b>	<b>10.73</b>	<b>11.02</b>	<b>11.07</b>	<b>11.09</b>	<b>414.09</b>	<b>415.25</b>	<b>429.78</b>	<b>435.05</b>	<b>434.73</b>
Railroad transportation:											
Class I railroads <sup>2</sup> .....	4011	12.67	12.68	13.21	13.29	-	528.34	517.34	561.43	572.80	-
Local and interurban passenger transit .....	41	7.38	7.33	7.55	7.57	-	248.71	249.22	246.89	252.84	-
Local and suburban transportation .....	411	7.96	7.93	8.20	8.24	-	309.64	304.51	307.50	309.82	-
Intercity highway transportation .....	413	11.86	11.51	11.78	11.72	-	434.08	429.32	396.99	419.58	-
Trucking and warehousing .....	42	10.39	10.43	10.50	10.51	-	393.78	399.47	404.25	408.84	-
Trucking and trucking terminals .....	421,3	10.59	10.62	10.69	10.69	-	401.36	406.75	411.57	415.84	-
Public warehousing .....	422	7.55	7.58	7.71	7.72	-	283.13	288.04	292.98	296.45	-
Pipe lines, except natural gas .....	46	13.90	14.09	14.72	14.71	-	576.85	579.10	568.19	583.99	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	May 1984 <sup>p</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	May 1984 <sup>p</sup>
<b>Transportation and public utilities—Continued</b>											
Communication .....	48	39.0	39.1	39.4	39.5	-	-	-	-	-	-
Telephone communication .....	481	39.4	39.5	39.7	39.9	-	-	-	-	-	-
Radio and television broadcasting .....	483	37.2	37.4	37.3	37.3	-	-	-	-	-	-
Electric, gas, and sanitary services .....	49	41.5	41.2	41.3	41.4	-	-	-	-	-	-
Electric services .....	491	41.9	41.4	41.4	41.5	-	-	-	-	-	-
Gas production and distribution .....	492	40.7	40.2	40.6	40.7	-	-	-	-	-	-
Combination utility services .....	493	41.7	41.6	41.7	41.9	-	-	-	-	-	-
Sanitary services .....	495	40.6	42.1	41.5	41.4	-	-	-	-	-	-
<b>Wholesale trade .....</b>		<b>38.2</b>	<b>38.4</b>	<b>38.3</b>	<b>38.5</b>	<b>38.5</b>	-	-	-	-	-
Durable goods .....	50	38.7	38.8	38.9	39.1	-	-	-	-	-	-
Motor vehicles and automotive equipment .....	501	38.6	38.4	38.6	38.9	-	-	-	-	-	-
Furniture and home furnishings .....	502	37.0	37.1	38.1	38.2	-	-	-	-	-	-
Lumber and construction materials .....	503	38.6	39.2	38.4	39.1	-	-	-	-	-	-
Sporting goods, toys, and hobby goods .....	504	37.5	38.3	38.3	38.4	-	-	-	-	-	-
Metals and minerals, except petroleum .....	505	40.0	39.7	40.8	40.4	-	-	-	-	-	-
Electrical goods .....	506	38.6	38.9	38.6	38.9	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	38.4	38.5	38.4	38.6	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	39.0	39.3	39.3	39.4	-	-	-	-	-	-
Miscellaneous durable goods .....	509	37.1	37.4	37.6	38.0	-	-	-	-	-	-
Nondurable goods .....	51	37.6	37.8	37.4	37.7	-	-	-	-	-	-
Paper and paper products .....	511	37.4	37.3	36.9	37.1	-	-	-	-	-	-
Drugs, proprietaries, and sundries .....	512	36.5	37.0	37.5	37.5	-	-	-	-	-	-
Apparel, piece goods, and notions .....	513	37.2	37.0	36.5	36.8	-	-	-	-	-	-
Groceries and related products .....	514	38.1	38.4	38.2	38.2	-	-	-	-	-	-
Chemicals and allied products .....	516	38.6	39.1	38.7	38.9	-	-	-	-	-	-
Petroleum and petroleum products .....	517	39.2	38.8	38.9	39.2	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	35.7	35.7	35.6	36.2	-	-	-	-	-	-
Miscellaneous nondurable goods .....	519	37.4	37.7	36.9	37.6	-	-	-	-	-	-
<b>Retail trade .....</b>		<b>29.5</b>	<b>29.7</b>	<b>29.6</b>	<b>29.9</b>	<b>30.1</b>	-	-	-	-	-
Building materials and garden supplies .....	52	35.1	35.3	35.6	36.0	-	-	-	-	-	-
Lumber and other building materials .....	521	36.0	36.2	36.9	37.3	-	-	-	-	-	-
Hardware stores .....	525	33.5	33.2	32.6	33.0	-	-	-	-	-	-
General merchandise stores .....	53	28.8	29.1	28.6	29.1	-	-	-	-	-	-
Department stores .....	531	28.6	29.0	28.5	29.0	-	-	-	-	-	-
Variety stores .....	533	29.4	29.4	28.9	29.1	-	-	-	-	-	-
Misc. general merchandise stores .....	539	29.9	29.7	29.6	29.6	-	-	-	-	-	-
Food stores .....	54	30.1	30.3	30.2	30.4	-	-	-	-	-	-
Grocery stores .....	541	30.2	30.5	30.3	30.5	-	-	-	-	-	-
Retail bakeries .....	546	27.6	27.8	28.1	28.2	-	-	-	-	-	-
Automotive dealers and service stations .....	55	36.9	37.0	36.9	37.0	-	-	-	-	-	-
New and used car dealers .....	551,2	37.8	37.9	38.0	38.1	-	-	-	-	-	-
Auto and home supply stores .....	553	40.1	39.5	39.5	40.1	-	-	-	-	-	-
Gasoline service stations .....	554	34.4	34.9	34.1	34.1	-	-	-	-	-	-
Apparel and accessory stores .....	56	27.9	27.7	27.6	27.9	-	-	-	-	-	-
Men's and boys' clothing and furnishings .....	561	30.5	30.4	29.8	30.4	-	-	-	-	-	-
Women's ready-to-wear stores .....	562	26.8	26.9	26.6	27.1	-	-	-	-	-	-
Family clothing stores .....	565	27.9	27.7	27.3	28.1	-	-	-	-	-	-
Shoe stores .....	566	28.2	28.0	27.1	27.1	-	-	-	-	-	-
Furniture and home furnishings stores .....	57	34.1	34.2	33.9	34.0	-	-	-	-	-	-
Furniture and home furnishings stores .....	571	33.8	33.6	34.1	34.1	-	-	-	-	-	-
Household appliance stores .....	572	33.4	33.7	34.2	34.1	-	-	-	-	-	-
Radio, television, and music stores .....	573	34.9	35.7	33.3	33.6	-	-	-	-	-	-
Eating and drinking places <sup>3</sup> .....	58	26.0	26.4	26.1	26.5	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	May 1984 <sup>p</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	May 1984 <sup>p</sup>
<b>Transportation and public utilities—Continued</b>											
Communication .....	48	\$10.65	\$10.66	\$11.07	\$11.13	-	\$415.35	\$416.81	\$436.16	\$439.64	-
Telephone communication .....	481	11.24	11.23	11.73	11.76	-	442.86	443.59	465.68	469.22	-
Radio and television broadcasting .....	483	8.81	8.84	9.36	9.65	-	327.73	330.62	349.13	359.95	-
Electric, gas, and sanitary services .....	49	11.35	11.41	12.00	12.07	-	471.03	470.09	495.60	499.70	-
Electric services .....	491	11.43	11.49	12.02	12.13	-	478.92	475.69	497.63	503.40	-
Gas production and distribution .....	492	10.21	10.39	10.99	11.10	-	415.55	417.68	446.19	451.77	-
Combination utility services .....	493	13.07	13.12	14.03	14.00	-	545.02	545.79	585.05	586.60	-
Sanitary services .....	495	8.93	8.78	8.90	8.98	-	362.56	369.64	369.35	371.77	-
<b>Wholesale trade .....</b>		<b>8.46</b>	<b>8.49</b>	<b>8.79</b>	<b>8.89</b>	<b>\$8.85</b>	<b>323.17</b>	<b>326.02</b>	<b>336.66</b>	<b>342.27</b>	<b>\$340.73</b>
Durable goods .....	50	8.42	8.46	8.77	8.86	-	325.85	328.25	341.15	346.43	-
Motor vehicles and automotive equipment .....	501	7.71	7.71	8.07	8.14	-	297.61	296.06	311.50	316.65	-
Furniture and home furnishings .....	502	7.59	7.51	7.96	7.90	-	280.83	278.62	303.28	301.78	-
Lumber and construction materials .....	503	8.13	8.19	8.47	8.52	-	313.82	321.05	325.25	333.13	-
Sporting goods, toys, and hobby goods .....	504	8.88	8.77	9.42	9.50	-	333.00	335.89	360.79	364.80	-
Metals and minerals, except petroleum .....	505	9.11	9.15	9.52	9.63	-	364.40	363.26	388.42	389.05	-
Electrical goods .....	506	9.03	9.21	9.10	9.18	-	348.56	358.27	351.26	357.10	-
Hardware, plumbing, and heating equipment .....	507	7.87	7.95	8.27	8.37	-	302.21	306.08	317.57	323.08	-
Machinery, equipment, and supplies .....	508	8.72	8.71	9.14	9.26	-	340.08	342.30	359.20	364.84	-
Miscellaneous durable goods .....	509	7.19	7.22	7.53	7.56	-	266.75	270.03	283.13	287.28	-
Nondurable goods .....	51	8.51	8.55	8.82	8.94	-	319.98	323.19	329.87	337.04	-
Paper and paper products .....	511	9.01	9.19	9.51	9.64	-	336.97	342.79	350.92	357.64	-
Drugs, proprietaries, and sundries .....	512	9.24	9.23	9.59	9.96	-	337.26	341.51	359.63	373.50	-
Apparel, piece goods, and notions .....	513	8.19	8.18	8.65	8.68	-	304.67	302.66	315.73	319.42	-
Groceries and related products .....	514	8.59	8.64	8.93	9.08	-	327.28	331.78	341.13	346.86	-
Chemicals and allied products .....	516	9.87	9.87	10.30	10.35	-	380.98	385.92	398.61	402.62	-
Petroleum and petroleum products .....	517	10.18	10.16	10.01	9.97	-	399.06	394.21	389.39	390.82	-
Beer, wine, and distilled beverages .....	518	10.24	10.35	10.34	10.67	-	365.57	369.50	368.10	386.25	-
Miscellaneous nondurable goods .....	519	6.87	6.88	7.21	7.25	-	256.94	259.38	266.05	272.60	-
<b>Retail trade .....</b>		<b>5.70</b>	<b>5.72</b>	<b>5.89</b>	<b>5.89</b>	<b>5.87</b>	<b>168.15</b>	<b>169.88</b>	<b>174.34</b>	<b>176.11</b>	<b>176.69</b>
Building materials and garden supplies .....	52	6.19	6.18	6.39	6.40	-	217.27	218.15	227.48	230.40	-
Lumber and other building materials .....	521	6.44	6.48	6.62	6.66	-	231.84	234.58	244.28	248.42	-
Hardware stores .....	525	5.48	5.49	5.61	5.63	-	183.58	182.27	182.89	185.79	-
General merchandise stores .....	53	5.62	5.62	5.78	5.80	-	161.86	163.54	165.31	168.78	-
Department stores .....	531	5.83	5.83	6.00	6.02	-	166.74	169.07	171.00	174.58	-
Variety stores .....	533	4.32	4.37	4.48	4.43	-	127.01	128.48	129.47	128.91	-
Misc. general merchandise stores .....	539	4.59	4.58	4.55	4.62	-	137.24	136.03	134.68	136.75	-
Food stores .....	54	7.48	7.48	7.69	7.71	-	225.15	226.64	232.24	234.38	-
Grocery stores .....	541	7.74	7.75	7.97	7.99	-	233.75	236.38	241.49	243.70	-
Retail bakeries .....	546	5.09	5.13	5.26	5.24	-	140.48	142.61	147.81	147.77	-
Automotive dealers and service stations .....	55	6.69	6.76	6.99	7.08	-	246.86	250.12	257.93	261.96	-
New and used car dealers .....	551,2	7.93	8.04	8.35	8.50	-	299.75	304.72	317.30	323.85	-
Auto and home supply stores .....	553	6.04	6.11	6.25	6.30	-	242.20	241.35	246.88	252.63	-
Gasoline service stations .....	554	5.18	5.22	5.27	5.30	-	178.19	182.18	179.71	180.73	-
Apparel and accessory stores .....	56	5.00	5.05	5.04	5.11	-	139.50	139.89	139.10	142.57	-
Men's and boys' clothing and furnishings .....	561	5.64	5.81	5.77	5.88	-	172.02	176.62	171.95	178.75	-
Women's ready-to-wear stores .....	562	4.67	4.74	4.76	4.79	-	125.16	127.51	126.62	129.81	-
Family clothing stores .....	565	4.93	4.98	4.96	5.01	-	137.55	137.95	135.41	140.78	-
Shoe stores .....	566	5.21	5.22	5.04	5.21	-	146.92	146.16	136.58	141.19	-
Furniture and home furnishings stores .....	57	6.53	6.65	6.68	6.76	-	222.67	227.43	226.45	229.84	-
Furniture and home furnishings stores .....	571	6.43	6.52	6.67	6.76	-	217.33	219.07	227.45	230.52	-
Household appliance stores .....	572	6.94	6.94	6.98	7.03	-	231.80	233.88	238.72	239.72	-
Radio, television, and music stores .....	573	6.56	6.78	6.56	6.64	-	228.94	242.05	218.45	223.10	-
Eating and drinking places <sup>3</sup> .....	58	4.24	4.28	4.32	4.32	-	110.24	112.99	112.75	114.48	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	May 1984 <sup>p</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	May 1984 <sup>p</sup>
<b>Retail trade—Continued</b>											
Miscellaneous retail .....	59	30.5	30.8	30.6	30.8	-	-	-	-	-	-
Drug stores and proprietary stores .....	591	28.0	28.2	28.7	29.1	-	-	-	-	-	-
Miscellaneous shopping goods stores .....	594	29.3	29.6	29.0	29.2	-	-	-	-	-	-
Nonstore retailers .....	596	33.3	33.4	33.8	33.7	-	-	-	-	-	-
Fuel and ice dealers .....	598	37.9	37.4	38.4	37.9	-	-	-	-	-	-
Retail stores, nec .....	599	32.3	33.1	31.8	32.5	-	-	-	-	-	-
<b>Finance, insurance, and real estate<sup>4</sup></b> .....		<b>36.1</b>	<b>36.3</b>	<b>36.3</b>	<b>36.6</b>	<b>36.2</b>	-	-	-	-	-
Banking .....	60	36.4	36.5	36.4	36.8	-	-	-	-	-	-
Commercial and stock savings banks .....	602	36.4	36.5	36.3	36.8	-	-	-	-	-	-
Credit agencies other than banks .....	61	37.3	37.3	36.8	37.3	-	-	-	-	-	-
Savings and loan associations .....	612	36.6	36.6	36.1	37.0	-	-	-	-	-	-
Personal credit institutions .....	614	37.7	37.7	37.2	37.2	-	-	-	-	-	-
Insurance carriers .....	63	37.1	37.2	37.2	37.3	-	-	-	-	-	-
Life insurance .....	631	36.7	36.8	37.1	37.1	-	-	-	-	-	-
Medical service and health insurance .....	632	37.8	37.8	37.8	37.5	-	-	-	-	-	-
Fire, marine, and casualty insurance .....	633	37.1	37.2	37.1	37.2	-	-	-	-	-	-
<b>Services</b> .....		<b>32.6</b>	<b>32.6</b>	<b>32.6</b>	<b>32.7</b>	<b>32.6</b>	-	-	-	-	-
Hotels and other lodging places:											
Hotels, motels, and tourist courts <sup>3</sup> .....	701	30.3	31.0	30.4	31.2	-	-	-	-	-	-
Personal services:											
Laundry, cleaning, and garment services .....	721	33.7	34.2	33.5	34.1	-	-	-	-	-	-
Beauty shops <sup>3</sup> .....	723	29.1	28.9	29.1	29.0	-	-	-	-	-	-
Business services .....	73	33.1	33.3	33.6	33.6	-	-	-	-	-	-
Advertising .....	731	35.8	36.5	35.8	35.6	-	-	-	-	-	-
Services to buildings .....	734	27.5	28.2	28.9	29.2	-	-	-	-	-	-
Computer and data processing services .....	737	38.2	38.6	38.3	38.8	-	-	-	-	-	-
Auto repair, services, and garages .....	75	37.2	37.6	37.9	38.0	-	-	-	-	-	-
Automotive repair shops .....	753	38.7	38.8	39.5	39.4	-	-	-	-	-	-
Miscellaneous repair services .....	76	38.0	38.2	38.1	38.2	-	-	-	-	-	-
Motion pictures .....	78	28.0	27.8	29.4	29.6	-	-	-	-	-	-
Motion picture production and services .....	781	37.2	38.7	38.4	39.5	-	-	-	-	-	-
Amusement and recreation services .....	79	29.3	29.5	29.4	29.4	-	-	-	-	-	-
Health services .....	80	32.6	32.6	32.4	32.4	-	-	-	-	-	-
Offices of physicians .....	801	31.7	31.6	30.9	30.7	-	-	-	-	-	-
Offices of dentists .....	802	28.3	28.1	28.7	28.3	-	-	-	-	-	-
Nursing and personal care facilities .....	805	31.1	31.4	31.0	31.5	-	-	-	-	-	-
Hospitals .....	806	33.9	33.9	33.9	34.0	-	-	-	-	-	-
Legal services .....	81	34.6	34.8	34.7	34.5	-	-	-	-	-	-
Miscellaneous services .....	89	39.7	38.4	39.9	39.7	-	-	-	-	-	-
Engineering and architectural services .....	891	39.6	39.5	40.1	39.8	-	-	-	-	-	-
Accounting, auditing, and bookkeeping .....	893	41.1	37.7	40.4	40.4	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	May 1984 <sup>p</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	May 1984 <sup>p</sup>
<b>Retail trade—Continued</b>											
Miscellaneous retail .....	59	\$5.63	\$5.64	\$5.82	\$5.84	-	\$171.72	\$173.71	\$178.09	\$179.87	-
Drug stores and proprietary stores .....	591	5.33	5.36	5.39	5.37	-	149.24	151.15	154.69	156.27	-
Miscellaneous shopping goods stores .....	594	5.31	5.25	5.55	5.57	-	155.58	155.40	160.95	162.64	-
Nonstore retailers .....	596	6.17	6.20	6.22	6.31	-	205.46	207.08	210.24	212.65	-
Fuel and ice dealers .....	598	7.56	7.59	8.16	8.11	-	286.52	283.87	313.34	307.37	-
Retail stores, nec .....	599	5.76	5.84	6.07	6.10	-	186.05	193.30	193.03	198.25	-
<b>Finance, insurance, and real estate<sup>4</sup></b> .....		7.22	7.29	7.54	7.63	\$7.55	260.64	264.63	273.70	279.26	\$273.31
Banking .....	60	6.22	6.25	6.49	6.56	-	226.41	228.13	236.24	241.41	-
Commercial and stock savings banks .....	602	6.07	6.11	6.35	6.42	-	220.95	223.02	230.51	236.26	-
Credit agencies other than banks .....	61	6.35	6.49	6.76	6.84	-	236.86	242.08	248.77	255.13	-
Savings and loan associations .....	612	5.79	5.90	6.11	6.18	-	211.91	215.94	220.57	228.66	-
Personal credit institutions .....	614	6.45	6.52	6.65	6.69	-	243.17	245.80	247.38	248.87	-
Insurance carriers .....	63	8.03	8.10	8.49	8.55	-	297.91	301.32	315.83	318.92	-
Life insurance .....	631	7.99	8.06	8.50	8.55	-	293.23	296.61	315.35	317.21	-
Medical service and health insurance .....	632	7.69	7.80	8.16	8.23	-	290.68	294.84	308.45	308.63	-
Fire, marine, and casualty insurance .....	633	8.14	8.17	8.51	8.58	-	301.99	303.92	315.72	319.18	-
<b>Services</b> .....		7.25	7.27	7.54	7.60	7.54	236.35	237.00	245.80	248.52	245.80
Hotels and other lodging places:											
Hotels, motels, and tourist courts <sup>3</sup> .....	701	5.22	5.25	5.39	5.40	-	158.17	162.75	163.86	168.48	-
Personal services:											
Laundry, cleaning, and garment services .....	721	5.34	5.36	5.54	5.54	-	179.96	183.31	185.59	188.91	-
Beauty shops <sup>3</sup> .....	723	5.37	5.41	5.61	5.64	-	156.27	156.35	163.25	163.56	-
Business services .....	73	7.58	7.63	7.79	7.89	-	250.90	254.08	261.74	265.10	-
Advertising .....	731	9.71	10.03	10.23	10.67	-	347.62	366.10	366.23	379.85	-
Services to buildings .....	734	5.88	5.95	6.11	6.22	-	161.70	167.79	176.58	181.62	-
Computer and data processing services .....	737	9.79	10.03	10.41	10.39	-	373.98	387.16	398.70	403.13	-
Auto repair, services, and garages .....	75	6.92	6.92	7.06	7.08	-	257.42	260.19	267.57	269.04	-
Automotive repair shops .....	753	7.46	7.47	7.64	7.67	-	288.70	289.84	301.78	302.20	-
Miscellaneous repair services .....	76	8.23	8.22	8.77	8.73	-	312.74	314.00	334.14	333.49	-
Motion pictures .....	78	10.32	10.26	12.45	11.87	-	288.96	285.23	366.03	351.35	-
Motion picture production and services .....	781	14.10	14.22	16.91	16.42	-	524.52	550.31	649.34	648.59	-
Amusement and recreation services .....	79	6.38	6.48	6.68	6.85	-	186.93	191.16	196.39	201.39	-
Health services .....	80	7.32	7.32	7.64	7.69	-	238.63	238.63	247.54	249.16	-
Offices of physicians .....	801	7.19	7.20	7.43	7.57	-	227.92	227.52	229.59	232.40	-
Offices of dentists .....	802	7.12	7.13	7.27	7.38	-	201.50	200.35	208.65	208.85	-
Nursing and personal care facilities .....	805	5.14	5.16	5.35	5.36	-	159.85	162.02	165.85	168.84	-
Hospitals .....	806	8.04	8.04	8.43	8.46	-	272.56	272.56	285.78	287.64	-
Legal services .....	81	9.10	9.29	9.51	9.80	-	314.86	323.29	330.00	338.10	-
Miscellaneous services .....	89	10.45	10.70	10.81	11.03	-	414.87	410.88	431.32	437.89	-
Engineering and architectural services .....	891	11.49	11.51	11.78	11.90	-	455.00	454.65	472.38	473.62	-
Accounting, auditing, and bookkeeping .....	893	8.70	9.04	9.00	9.34	-	357.57	340.81	363.60	377.34	-

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

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

<sup>3</sup> Money payments only; tips, not included.

<sup>4</sup> Data for nonoffice sales agents are excluded from all series in this division.

- Data not available.

<sup>p</sup> preliminary.

NOTE: Data in this table have been revised to reflect March 1983 benchmarks and may differ slightly from data previously published. See the article in this issue for additional information.

**ESTABLISHMENT DATA  
EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-3. Average hourly earnings, excluding overtime<sup>1</sup> of production workers on manufacturing payrolls**

Industry	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
<b>Manufacturing</b> .....	<b>\$8.47</b>	<b>\$8.48</b>	<b>\$8.73</b>	<b>\$8.75</b>	<b>\$8.76</b>
<b>Durable goods</b> .....	<b>8.99</b>	<b>9.02</b>	<b>9.25</b>	<b>9.27</b>	<b>9.27</b>
Lumber and wood products .....	7.46	7.49	7.57	7.57	( <sup>2</sup> )
Furniture and fixtures .....	6.35	6.35	6.56	6.55	( <sup>2</sup> )
Stone, clay, and glass products .....	8.76	8.78	8.93	9.00	( <sup>2</sup> )
Primary metal industries .....	10.89	10.91	10.92	10.97	( <sup>2</sup> )
Fabricated metal products .....	8.77	8.77	8.93	8.96	( <sup>2</sup> )
Machinery, except electrical .....	9.16	9.26	9.47	9.50	( <sup>2</sup> )
Electrical and electronic equipment .....	8.35	8.35	8.55	8.58	( <sup>2</sup> )
Transportation equipment .....	11.03	11.05	11.46	11.42	( <sup>2</sup> )
Instruments and related products .....	8.21	8.21	8.45	8.49	( <sup>2</sup> )
Miscellaneous manufacturing .....	6.59	6.65	6.77	6.79	( <sup>2</sup> )
<b>Nondurable goods</b> .....	<b>7.76</b>	<b>7.76</b>	<b>7.95</b>	<b>7.98</b>	<b>\$8.00</b>
Food and kindred products .....	7.91	7.89	8.05	8.09	( <sup>2</sup> )
Tobacco manufactures .....	10.56	10.68	11.17	11.28	( <sup>2</sup> )
Textile mill products .....	5.89	5.88	6.14	6.16	( <sup>2</sup> )
Apparel and other textile products .....	5.27	5.24	5.36	5.38	( <sup>2</sup> )
Paper and allied products .....	9.26	9.33	9.71	9.75	( <sup>2</sup> )
Printing and publishing .....	8.74	8.77	8.94	8.97	( <sup>2</sup> )
Chemicals and allied products .....	10.08	10.12	10.51	10.55	( <sup>2</sup> )
Petroleum and coal products .....	12.70	12.62	12.82	12.81	( <sup>2</sup> )
Rubber and misc. plastics products .....	7.61	7.62	7.82	7.86	( <sup>2</sup> )
Leather and leather products .....	5.45	5.42	5.57	5.57	( <sup>2</sup> )

<sup>1</sup> Derived by assuming that overtime hours are paid at the rate of time and one-half.  
<sup>2</sup> Not available.  
<sup>P</sup> = preliminary.

NOTE: Data in this table have been revised to reflect March 1983 benchmarks and may differ slightly from data previously published. See the article in this issue for additional information.

**C-4. Average hourly and weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by major industry, in current and constant (1977) dollars.**

Industry	Average hourly earnings					Average weekly earnings				
	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>	Apr. 1983	May 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	May 1984 <sup>P</sup>
<b>Total private:</b>										
Current dollars .....	\$7.94	\$7.98	\$8.24	\$8.29	\$8.28	\$275.52	\$278.50	\$288.40	\$292.64	\$292.28
Constant (1977) dollars .....	4.89	4.88	4.93	4.95	( <sup>2</sup> )	169.55	170.55	172.59	174.71	( <sup>2</sup> )
<b>Mining:</b>										
Current dollars .....	11.25	11.17	11.60	11.60	\$11.63	469.13	471.37	496.48	497.64	\$502.42
Constant (1977) dollars .....	6.92	6.84	6.94	6.93	( <sup>2</sup> )	288.70	288.65	297.12	297.10	( <sup>2</sup> )
<b>Construction:</b>										
Current dollars .....	11.89	11.81	11.97	11.94	\$11.92	436.36	442.88	439.30	448.94	\$452.96
Constant (1977) dollars .....	7.32	7.23	7.16	7.13	( <sup>2</sup> )	268.53	271.21	262.90	268.02	( <sup>2</sup> )
<b>Manufacturing:</b>										
Current dollars .....	8.75	8.77	9.09	9.11	\$9.12	348.25	349.92	369.96	372.60	\$371.18
Constant (1977) dollars .....	5.39	5.37	5.44	5.44	( <sup>2</sup> )	214.31	214.28	221.40	222.45	( <sup>2</sup> )
<b>Transportation and public utilities:</b>										
Current dollars .....	10.70	10.73	11.02	11.07	\$11.09	414.09	415.25	429.78	435.05	\$434.73
Constant (1977) dollars .....	6.59	6.57	6.60	6.61	( <sup>2</sup> )	254.82	254.29	257.20	259.73	( <sup>2</sup> )
<b>Wholesale trade:</b>										
Current dollars .....	8.46	8.49	8.79	8.89	\$8.85	323.17	326.02	336.66	342.27	\$340.73
Constant (1977) dollars .....	5.21	5.20	5.26	5.31	( <sup>2</sup> )	196.57	197.10	201.47	204.34	( <sup>2</sup> )
<b>Retail trade:</b>										
Current dollars .....	5.70	5.72	5.89	5.89	\$5.87	168.15	169.88	174.34	176.11	\$176.69
Constant (1977) dollars .....	3.51	3.50	3.52	3.52	( <sup>2</sup> )	102.95	103.85	104.33	105.14	( <sup>2</sup> )
<b>Finance, insurance, and real estate:</b>										
Current dollars .....	7.22	7.29	7.54	7.63	\$7.55	260.64	264.63	273.70	279.26	\$273.31
Constant (1977) dollars .....	4.44	4.47	4.51	4.55	( <sup>2</sup> )	160.39	162.05	163.79	166.72	( <sup>2</sup> )
<b>Services:</b>										
Current dollars .....	7.25	7.27	7.54	7.60	\$7.54	236.35	237.00	245.80	248.52	\$245.80
Constant (1977) dollars .....	4.46	4.45	4.51	4.53	( <sup>2</sup> )	145.45	145.13	147.10	148.37	( <sup>2</sup> )

<sup>1</sup> Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.  
<sup>2</sup> Not available.

<sup>P</sup> = preliminary.  
NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate the earnings series. Data in this table have been revised to reflect March 1983 benchmarks and may differ slightly from data previously published. See the article in this issue for additional information.



**ESTABLISHMENT DATA  
HOURS  
SEASONALLY ADJUSTED**

**C-5. Average weekly hours of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted**

Industry	1983								1984				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>	May <sup>P</sup>
<b>Total private</b> .....	34.9	35.0	35.0	35.0	35.2	35.2	35.2	35.2	35.4	35.3	35.3	35.5	35.3
<b>Mining</b> .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Construction</b> .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Manufacturing</b> .....	39.9	40.1	40.2	40.3	40.7	40.6	40.6	40.6	40.9	40.9	40.7	41.2	40.7
<i>Overtime hours</i> .....	2.7	2.9	3.0	3.0	3.2	3.3	3.3	3.4	3.5	3.5	3.5	3.7	3.4
<b>Durable goods</b> .....	40.3	40.5	40.8	40.8	41.4	41.2	41.3	41.3	41.6	41.7	41.4	41.8	41.4
<i>Overtime hours</i> .....	2.6	2.8	3.0	3.0	3.3	3.4	3.5	3.5	3.7	3.8	3.7	4.0	3.5
Lumber and wood products .....	39.8	40.0	40.0	40.2	40.4	40.5	40.0	40.0	40.6	40.4	40.1	40.5	39.6
Furniture and fixtures .....	39.2	39.5	39.7	39.7	40.0	39.8	39.8	40.1	40.0	39.9	39.6	39.8	39.6
Stone, clay, and glass products .....	41.2	41.5	41.6	41.7	42.0	41.8	41.8	41.9	42.1	42.5	41.9	42.3	42.2
Primary metal industries .....	40.2	40.4	40.7	40.9	41.2	41.6	41.7	41.8	41.9	42.0	41.8	42.2	42.4
Blast furnaces and basic steel products ..	39.2	39.3	39.9	40.1	40.5	40.8	40.8	41.2	41.0	41.3	41.2	40.9	42.1
Fabricated metal products .....	40.3	40.4	40.7	40.8	41.4	41.2	41.4	41.4	41.6	41.8	41.3	41.8	41.4
Machinery, except electrical .....	40.0	40.3	40.6	40.6	41.1	41.2	41.3	41.5	41.8	41.9	41.9	42.3	41.8
Electrical and electronic equipment .....	40.2	40.5	40.7	40.7	41.2	41.1	41.1	41.0	41.2	41.2	41.0	41.3	41.0
Transportation equipment .....	41.6	41.8	42.0	41.9	43.3	42.5	42.6	42.4	43.2	43.1	42.9	43.5	42.7
Motor vehicles and equipment .....	42.6	43.2	42.9	43.1	45.1	44.1	44.1	43.9	44.8	44.3	44.4	44.8	43.4
Instruments and related products .....	40.3	40.1	40.5	40.4	40.8	40.7	40.7	40.8	41.3	41.2	41.1	41.4	40.7
Miscellaneous manufacturing .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Nondurable goods</b> .....	39.4	39.5	39.5	39.6	39.9	39.7	39.8	39.7	39.9	39.9	39.8	40.2	39.7
<i>Overtime hours</i> .....	2.9	3.0	3.0	3.1	3.1	3.1	3.1	3.2	3.3	3.3	3.3	3.4	3.1
Food and kindred products .....	39.4	39.7	39.4	39.6	39.8	39.6	39.6	39.5	39.7	39.7	39.8	40.1	39.6
Tobacco manufactures .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Textile mill products .....	40.5	40.7	40.8	40.9	41.3	40.8	40.6	40.7	40.6	40.8	40.6	41.3	40.1
Apparel and other textile products .....	36.1	36.2	35.9	36.3	36.7	36.6	36.7	36.6	36.6	36.9	36.7	37.4	36.5
Paper and allied products .....	42.7	42.8	42.9	42.9	43.2	43.2	43.1	43.1	43.2	43.2	43.2	43.0	43.1
Printing and publishing .....	37.5	37.5	37.6	37.6	37.8	37.9	37.9	37.7	37.9	37.9	37.9	38.3	38.0
Chemicals and allied products .....	41.6	41.8	41.8	41.7	41.7	41.7	41.9	41.9	42.1	42.1	42.0	42.0	41.9
Petroleum and coal products .....	43.6	43.6	43.8	43.5	43.2	43.6	43.7	44.6	44.8	44.5	44.7	44.0	44.1
Rubber and misc. plastics products .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Leather and leather products .....	36.8	36.8	37.2	37.1	37.8	37.3	37.2	37.1	37.3	37.2	36.7	37.7	37.1
<b>Transportation and public utilities</b> .....	38.9	38.9	39.0	39.2	39.3	39.4	39.2	39.4	39.5	39.3	39.2	39.5	39.4
<b>Wholesale trade</b> .....	38.5	38.5	38.4	38.5	38.6	38.6	38.6	38.6	38.6	38.5	38.5	38.7	38.5
<b>Retail trade</b> .....	29.8	29.9	29.8	29.8	29.8	30.0	30.0	30.3	30.1	30.0	30.1	30.1	30.2
<b>Finance, insurance, and real estate</b> .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Services</b> .....	32.7	32.7	32.7	32.6	32.7	32.8	32.7	32.6	32.8	32.7	32.8	32.8	32.7

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

<sup>2</sup> These series are not published seasonally adjusted because the seasonal components are small relative to the trend-cycle and/or irregular

components and consequently cannot be separated with sufficient precision.  
<sup>P</sup> = preliminary.

NOTE: Data in this table have been revised to reflect March 1983 benchmarks and updated seasonal adjustment factors and may differ from data previously published. See the article in this issue for additional information.

**ESTABLISHMENT DATA  
HOURS  
SEASONALLY ADJUSTED**

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

(1977 = 100)

Industry	1983								1984				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>	May <sup>P</sup>
<b>Total private</b> .....	104.7	105.5	106.1	105.3	107.6	108.3	108.7	109.4	110.3	110.9	110.9	112.1	111.9
<b>Goods-producing</b> .....	89.4	90.6	91.6	92.4	93.9	94.6	95.6	96.2	97.9	99.2	98.1	100.2	99.6
<b>Mining</b> .....	104.8	105.1	105.7	106.7	107.8	109.6	109.7	110.4	111.5	112.1	111.7	114.4	115.4
<b>Construction</b> .....	99.0	101.2	102.0	103.7	105.0	104.1	105.5	105.7	110.3	114.1	107.7	112.9	113.7
<b>Manufacturing</b> .....	86.9	87.9	88.9	89.5	91.1	92.1	93.0	93.7	94.9	95.7	95.7	97.0	96.1
<b>Durable goods</b> .....	83.1	84.2	85.8	86.5	88.5	89.9	91.0	92.0	93.4	94.4	94.5	95.9	95.2
Lumber and wood products .....	86.7	89.3	90.4	92.4	93.6	95.3	95.0	95.6	97.4	97.4	97.8	98.8	96.5
Furniture and fixtures .....	92.0	93.6	96.2	96.2	97.4	98.3	99.6	101.2	102.0	102.8	102.8	103.3	102.8
Stone, clay, and glass products .....	80.7	82.1	82.6	83.8	85.0	85.5	86.1	86.5	87.1	89.3	88.2	89.4	89.0
Primary metal industries .....	64.9	65.5	66.8	67.6	68.9	71.2	72.0	73.0	72.8	73.5	73.2	74.2	75.2
Blast furnaces and basic steel products .....	57.1	57.4	59.0	59.5	60.6	62.2	62.9	63.5	62.3	62.6	62.4	62.3	64.4
Fabricated metal products .....	80.5	81.1	82.3	83.6	85.3	86.3	87.5	88.5	89.5	90.4	89.9	91.5	91.3
Machinery, except electrical .....	80.0	80.8	82.6	83.5	84.9	86.3	88.2	89.5	91.1	92.3	93.3	95.2	95.0
Electrical and electronic equipment .....	96.9	98.6	100.3	100.2	104.1	105.6	107.2	108.0	109.6	111.2	112.2	113.6	113.9
Transportation equipment .....	81.5	82.8	84.9	85.7	88.9	89.9	91.1	92.1	95.1	95.9	95.5	96.8	94.7
Motor vehicles and equipment .....	71.7	74.3	75.9	78.9	82.9	84.2	85.6	88.8	93.0	92.8	92.7	91.7	87.5
Instruments and related products .....	101.9	101.4	102.4	103.0	105.1	105.9	106.4	106.4	108.5	108.8	108.8	109.6	108.0
Miscellaneous manufacturing .....	80.0	80.1	81.0	80.8	80.8	82.6	83.3	84.6	85.0	86.5	85.8	86.8	85.3
<b>Nondurable goods</b> .....	92.4	93.2	93.6	94.0	95.0	95.3	95.9	96.2	97.0	97.5	97.4	98.8	97.5
Food and kindred products .....	94.9	95.9	95.3	95.3	95.8	95.5	95.9	95.8	97.0	96.9	97.1	98.6	97.2
Tobacco manufactures .....	92.1	90.8	90.4	86.9	89.4	88.1	90.6	87.1	87.6	86.1	87.6	93.4	93.1
Textile mill products .....	80.3	81.7	82.0	83.1	84.1	83.7	83.5	84.0	84.5	84.8	84.5	86.0	83.0
Apparel and other textile products .....	87.4	88.0	88.5	89.5	90.7	91.5	92.5	92.8	93.2	94.4	94.2	96.6	93.8
Paper and allied products .....	94.6	95.0	95.6	95.6	96.8	97.4	97.6	98.2	98.8	99.4	99.1	99.1	99.5
Printing and publishing .....	108.5	109.1	109.7	110.1	110.9	111.9	112.7	112.4	113.8	114.1	114.6	116.7	116.1
Chemicals and allied products .....	93.5	94.1	94.3	94.1	94.2	94.6	95.2	95.5	96.1	96.3	96.1	96.2	96.1
Petroleum and coal products .....	92.5	91.7	92.1	90.7	89.3	89.4	88.8	89.8	89.4	88.8	88.4	87.1	89.6
Rubber and misc. plastics products .....	97.8	99.1	101.4	102.4	104.5	106.2	108.4	109.4	111.0	112.5	112.2	113.8	113.3
Leather and leather products .....	78.5	78.5	79.8	80.1	82.0	81.4	81.2	81.0	81.4	81.2	79.7	81.8	79.1
<b>Service-producing</b> .....	113.1	113.7	114.1	112.4	115.1	115.9	116.0	116.7	117.2	117.4	117.9	118.7	118.8
<b>Transportation and public utilities</b> .....	100.1	100.2	100.4	85.3	102.0	102.4	101.7	102.4	103.4	103.1	103.1	104.4	104.2
<b>Wholesale trade</b> .....	107.1	107.7	107.7	108.6	109.2	109.7	110.1	110.7	111.6	112.0	112.5	113.3	113.3
<b>Retail trade</b> .....	105.1	106.0	106.1	106.4	106.7	107.8	108.3	109.7	109.3	109.4	109.9	110.6	110.9
<b>Finance, insurance, and real estate</b> .....	119.0	118.7	119.2	119.2	120.2	120.8	120.6	121.0	122.0	122.1	122.2	123.4	122.4
<b>Services</b> .....	125.1	125.9	126.5	126.6	127.6	128.3	128.4	128.6	129.4	129.9	130.9	131.4	131.5

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

<sup>P</sup> = preliminary.

NOTE: Data in this table have been revised to reflect March 1983 benchmarks and updated seasonal adjustment factors and may differ from data previously published. See the article in this issue for additional information.

**ESTABLISHMENT DATA  
EARNINGS  
SEASONALLY ADJUSTED**

**C-7. The Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls, seasonally adjusted**

Industry	1983										1984		
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>p</sup>	May <sup>p</sup>
	Hourly Earnings Index <sup>2</sup> (1977 = 100)												
<b>Total private</b> (in current dollars) .....	154.7	155.1	155.6	155.4	156.2	157.1	157.2	157.8	158.4	158.5	159.1	159.9	159.6
<b>Mining</b> .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
<b>Construction</b> .....	144.8	145.0	144.5	144.8	145.5	145.5	145.2	145.6	146.3	146.2	146.3	146.5	146.2
<b>Manufacturing</b> .....	157.3	157.5	157.9	158.0	158.1	158.7	159.4	159.7	160.3	160.7	161.2	161.6	161.9
<b>Transportation and public utilities</b> .....	156.2	156.6	157.9	155.6	157.4	158.5	158.7	159.1	159.9	159.8	160.9	161.3	161.7
<b>Wholesale trade</b> .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
<b>Retail trade</b> .....	149.6	150.2	150.7	150.9	151.3	151.9	152.3	152.7	152.7	152.9	153.2	153.7	153.3
<b>Finance, insurance, and real estate</b> .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
<b>Services</b> .....	155.3	156.0	156.4	156.6	157.7	158.7	158.5	159.4	159.8	159.8	160.8	162.3	161.3
<b>Total private</b> (in constant dollars) <sup>4</sup> .....	94.8	94.9	94.9	94.4	94.5	94.7	94.6	94.9	94.8	94.8	95.1	95.4	( <sup>5</sup> )
	Average hourly earnings												
<b>Total private</b> .....	\$7.98	\$8.01	\$8.04	\$8.00	\$8.09	\$8.13	\$8.14	\$8.17	\$8.21	\$8.23	\$8.25	\$8.31	\$8.28
<b>Mining</b> .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
<b>Construction</b> .....	\$11.89	\$11.90	\$11.87	\$11.89	\$11.95	\$11.94	\$11.93	\$11.96	\$11.97	\$11.95	\$11.97	\$12.02	\$12.00
<b>Manufacturing</b> .....	8.78	8.80	8.83	8.84	8.88	8.93	8.97	8.99	9.03	9.06	9.09	9.11	9.13
<b>Transportation and public utilities</b> .....	10.79	10.81	10.88	10.68	10.83	10.91	10.93	10.96	11.02	10.99	11.08	11.11	11.15
<b>Wholesale trade</b> .....	8.48	8.53	8.57	8.56	8.62	8.70	8.70	8.74	8.76	8.76	8.82	8.88	8.84
<b>Retail trade</b> .....	5.71	5.74	5.75	5.77	5.79	5.80	5.82	5.83	5.84	5.84	5.87	5.88	5.86
<b>Finance, insurance, and real estate</b> .....	7.28	7.28	7.33	7.24	7.35	7.46	7.39	7.47	7.49	7.47	7.54	7.63	7.53
<b>Services</b> .....	7.28	7.30	7.32	7.33	7.37	7.41	7.41	7.44	7.48	7.50	7.52	7.60	7.55
	Average weekly earnings												
<b>Total private:</b>													
In current dollars .....	278.50	280.35	281.40	280.00	284.77	286.18	286.53	287.58	290.63	290.52	291.23	295.01	292.28
In constant (1977) dollars <sup>4</sup> .....	170.65	171.57	171.69	170.01	172.27	172.61	172.40	172.93	173.93	173.65	174.08	176.02	( <sup>5</sup> )

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

<sup>2</sup> Excludes the effects of two types of changes that are unrelated to underlying wage rate movements: Fluctuations in overtime in manufacturing and interindustry employment shifts.

<sup>3</sup> These series are not published seasonally adjusted because the seasonal components are small relative to the trend-cycle and/or irregular

components and consequently cannot be separated with sufficient precision.

<sup>4</sup> The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate these series.

<sup>5</sup> Not available.

<sup>p</sup> = preliminary.

NOTE: Data in this table have been revised to reflect March 1983 benchmarks and updated seasonal adjustment factors and may differ from data previously published. See the article in this issue for additional information.

**ESTABLISHMENT DATA  
STATE AND AREA HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas**

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>
<b>Alabama</b> .....	40.2	40.7	41.1	\$7.55	\$7.81	\$7.89	\$303.51	\$317.87	\$324.28
Birmingham .....	39.2	41.0	41.7	7.87	8.18	8.27	308.50	335.38	344.86
Mobile .....	40.8	41.7	40.8	9.61	9.73	9.64	392.09	405.74	393.31
<b>Alaska</b> .....	33.0	41.6	( <sup>1</sup> )	13.77	12.79	( <sup>1</sup> )	454.41	532.06	( <sup>1</sup> )
<b>Arizona</b> .....	39.5	40.8	41.0	8.89	9.06	9.14	351.16	369.65	374.74
<b>Arkansas</b> .....	39.7	40.2	40.6	6.93	7.33	7.36	275.12	294.67	298.82
Fayetteville-Springdale .....	39.4	40.8	41.8	6.32	6.76	6.68	249.01	275.81	279.22
Fort Smith .....	38.9	39.5	40.1	7.02	7.45	7.52	273.08	294.28	301.55
Little Rock-North Little Rock .....	40.0	39.1	39.0	8.00	8.33	8.23	320.00	325.70	320.97
Pine Bluff .....	40.5	40.7	41.0	9.01	9.28	9.23	364.91	377.70	378.43
<b>California</b> .....	39.7	40.3	40.6	9.46	9.65	9.69	375.56	388.90	393.41
<b>Colorado</b> .....	39.4	40.2	40.4	8.90	9.26	9.26	350.66	372.25	374.10
Denver-Boulder .....	39.7	40.0	40.4	9.18	9.66	9.61	364.45	386.40	388.24
<b>Connecticut</b> .....	41.1	42.4	42.9	8.68	9.14	9.17	356.75	387.54	393.39
Bridgeport .....	41.6	42.6	42.8	9.10	9.50	9.59	378.56	404.70	410.45
Hartford .....	40.8	41.9	42.7	9.37	9.77	9.76	382.30	409.36	416.75
New Britain .....	41.0	41.7	42.2	8.86	9.34	9.36	363.26	389.49	394.99
New Haven-West Haven .....	38.8	40.5	41.0	8.60	9.11	9.04	333.68	368.96	370.64
Stamford .....	39.6	41.5	41.3	8.44	8.95	9.11	334.22	371.42	376.24
Waterbury .....	41.9	43.5	43.7	7.14	7.73	7.78	299.17	336.26	339.99
<b>Delaware</b> .....	41.6	42.7	42.4	9.08	9.34	9.28	377.73	398.82	393.47
Wilmington .....	41.7	43.2	43.2	10.51	10.85	10.90	438.27	468.72	470.88
<b>District of Columbia:</b>									
Washington SMSA .....	38.2	38.0	38.8	9.66	9.89	10.09	369.01	375.82	391.49
<b>Florida</b> .....	40.0	41.6	41.2	7.26	7.58	7.56	290.40	315.33	311.47
Fort Lauderdale-Hollywood .....	41.2	41.2	41.3	7.01	7.41	7.50	288.81	305.29	309.75
Jacksonville .....	40.5	42.5	41.7	8.01	8.38	8.24	324.41	356.15	343.61
Lakeland-Winter Haven .....	38.8	41.0	40.6	7.14	7.61	7.75	277.03	312.01	314.65
Miami .....	39.0	39.0	39.4	6.01	6.22	6.26	234.39	242.58	246.64
Orlando .....	41.5	41.5	41.9	7.50	7.97	7.89	311.25	330.76	330.59
Pensacola .....	41.5	42.4	42.4	8.71	9.19	9.10	361.47	389.66	385.84
Tampa-St. Petersburg .....	41.2	42.0	42.0	7.23	7.52	7.40	297.88	315.84	310.80
West Palm Beach-Boca Raton .....	42.1	40.1	37.7	7.66	7.45	7.68	322.49	298.75	289.54
<b>Georgia</b> .....	40.7	41.3	41.6	7.03	7.46	7.48	286.12	308.10	311.17
Atlanta .....	39.7	41.2	41.3	8.38	8.94	8.82	332.69	368.33	364.27
Savannah .....	44.0	45.7	46.4	9.06	9.27	9.40	398.64	423.64	436.16
<b>Hawaii</b> .....	38.8	39.0	38.2	8.35	8.53	8.45	323.98	332.67	322.79
Honolulu .....	38.8	39.6	38.1	8.39	8.55	8.47	325.53	338.58	322.71
<b>Idaho</b> .....	37.3	37.3	38.0	8.67	8.86	8.84	323.39	330.48	335.92
<b>Illinois</b> .....	40.1	41.0	41.2	9.57	9.97	9.99	383.76	408.77	411.59
Bloomington-Normal .....	41.0	40.0	40.3	8.94	9.82	9.68	366.54	392.80	390.10
Champaign-Urbana-Rantoul .....	37.3	40.0	40.7	9.10	9.59	9.38	339.43	383.60	381.77
Chicago SMSA .....	39.8	41.0	41.3	9.49	9.83	9.84	377.70	403.03	406.39
Davenport-Rock Island-Moline .....	39.0	39.5	39.5	12.20	12.36	12.44	475.80	488.22	491.38
Decatur .....	39.8	38.8	38.9	12.04	12.91	12.90	479.19	500.91	501.81
Kankakee .....	37.8	40.0	40.0	8.44	8.59	8.91	319.03	343.60	356.40
Peoria .....	38.5	41.0	41.3	10.56	12.62	12.63	406.56	517.42	521.62
Rockford .....	41.1	43.8	43.6	9.42	10.27	10.39	387.16	449.83	453.00
Springfield .....	42.2	40.9	40.9	10.82	10.91	10.82	456.60	446.22	442.54
<b>Indiana</b> .....	40.7	41.9	41.9	10.00	10.42	10.46	407.00	436.60	438.27
Gary-Hammond-East Chicago .....	39.0	( <sup>1</sup> )	( <sup>1</sup> )	12.69	( <sup>1</sup> )	( <sup>1</sup> )	494.91	( <sup>1</sup> )	( <sup>1</sup> )
Indianapolis .....	40.8	( <sup>1</sup> )	( <sup>1</sup> )	9.95	( <sup>1</sup> )	( <sup>1</sup> )	405.96	( <sup>1</sup> )	( <sup>1</sup> )

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**STATE AND AREA HOURS AND EARNINGS**  
**NOT SEASONALLY ADJUSTED**

**C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued**

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>
<b>Iowa</b> .....	39.5	39.3	39.8	\$10.08	\$10.24	\$10.31	\$398.16	\$402.43	\$410.34
Cedar Rapids .....	40.3	41.3	41.7	10.86	10.79	10.94	437.66	445.63	456.20
Des Moines .....	38.8	41.0	41.6	11.29	12.18	12.35	438.05	499.38	513.76
Dubuque .....	41.3	36.3	37.8	10.39	11.18	11.00	429.11	405.83	415.80
Sioux City .....	42.0	39.9	41.0	9.46	8.75	8.81	397.32	349.13	361.21
Waterloo-Cedar Falls .....	40.8	39.7	39.1	12.31	13.02	13.43	502.25	516.89	525.11
<b>Kansas</b> .....	39.0	40.0	40.0	9.17	9.39	9.48	357.63	375.60	379.20
Topeka .....	36.9	39.5	39.6	8.82	9.46	9.49	325.46	373.67	375.80
Wichita .....	40.6	41.4	41.2	9.95	10.23	10.14	403.97	423.52	417.77
<b>Kentucky</b> .....	38.9	39.1	39.0	8.68	9.16	9.25	337.65	358.16	360.75
Lexington-Fayette .....	39.1	38.8	39.3	9.49	9.64	9.87	371.06	374.03	387.89
Louisville .....	39.8	40.0	40.3	9.99	10.40	10.44	397.60	416.00	420.73
<b>Louisiana</b> .....	39.4	41.9	42.3	9.77	10.11	10.06	384.94	423.61	425.54
Baton Rouge .....	40.4	42.9	43.6	11.57	11.69	11.54	467.43	501.50	503.14
New Orleans .....	38.0	41.2	41.5	9.08	9.64	9.52	345.04	397.17	395.08
Shreveport .....	39.5	42.3	42.8	9.31	9.70	9.60	367.75	410.31	410.88
<b>Maine</b> .....	39.8	37.9	40.2	7.46	7.83	7.85	296.91	296.76	315.57
Lewiston-Auburn .....	39.8	35.8	38.2	6.10	6.45	6.47	242.78	230.91	247.15
Portland .....	37.8	37.4	39.9	7.54	7.68	7.81	285.01	287.23	311.62
<b>Maryland</b> .....	39.9	40.7	41.3	8.96	9.27	9.30	357.50	377.29	384.09
Baltimore .....	40.6	41.2	41.3	9.39	9.78	9.81	381.23	402.94	405.15
<b>Massachusetts</b> .....	39.9	40.2	40.6	7.87	8.34	8.32	314.01	335.27	337.79
Boston .....	39.4	40.1	40.3	8.57	9.04	9.08	337.66	362.50	365.92
Brockton .....	38.4	39.4	39.2	6.49	6.56	6.52	249.22	258.46	255.58
Fall River .....	37.0	37.3	37.1	6.15	6.76	6.78	227.55	252.15	251.54
Lawrence-Haverhill .....	39.4	39.3	40.2	7.83	8.48	8.43	308.50	333.26	338.89
Lowell .....	38.6	38.7	39.2	7.29	7.72	7.72	281.39	298.76	302.62
New Bedford .....	37.0	39.4	39.3	7.12	7.38	7.48	263.44	290.77	293.96
Springfield-Chicopee-Holyoke .....	40.5	41.0	41.6	7.95	8.43	8.39	321.98	345.63	349.02
Worcester .....	39.1	39.6	40.1	8.14	8.60	8.56	318.27	340.56	343.26
<b>Michigan</b> .....	42.4	43.3	43.9	11.52	12.11	12.10	488.02	524.24	530.95
Ann Arbor .....	42.2	45.2	45.7	11.80	12.79	12.83	498.41	578.67	586.39
Battle Creek .....	41.3	42.2	41.9	11.57	12.05	12.21	478.00	508.41	511.66
Bay City .....	41.5	40.3	41.0	10.22	10.50	10.55	423.49	423.47	431.89
Detroit .....	42.4	44.3	45.0	12.06	12.84	12.84	511.91	568.56	577.89
Flint .....	44.6	45.2	45.8	13.26	13.94	13.96	590.73	630.11	639.11
Grand Rapids .....	41.2	42.5	42.6	9.91	10.13	10.20	408.67	429.99	434.12
Jackson .....	41.5	41.5	42.2	9.76	9.97	9.96	405.68	413.25	420.43
Kalamazoo-Portage .....	41.2	41.6	42.5	10.73	11.38	11.43	442.27	473.33	485.93
Lansing-East Lansing .....	45.2	42.2	44.1	13.20	13.72	13.30	595.97	578.24	586.78
Muskegon-Norton Shores-Muskegon Heights .....	39.4	41.7	41.2	10.14	10.94	10.86	399.73	456.32	447.68
Saginaw .....	42.6	44.8	44.3	13.40	14.55	14.42	571.51	652.45	638.34
<b>Minnesota</b> .....	38.2	40.6	40.9	9.55	9.65	9.66	364.81	391.79	395.09
Duluth-Superior .....	36.3	38.4	38.0	9.87	10.62	10.75	358.28	407.81	408.50
Minneapolis-St. Paul .....	37.8	41.1	41.2	10.06	10.26	10.25	380.27	421.69	422.30
St. Cloud .....	36.7	37.8	37.7	8.19	8.71	8.65	300.57	329.24	326.11
<b>Mississippi</b> .....	39.4	40.4	40.5	6.63	6.95	6.95	261.22	280.78	281.48
Jackson .....	40.2	40.7	41.4	7.53	7.93	7.94	302.71	322.75	328.72
<b>Missouri</b> .....	39.7	40.5	41.1	8.79	9.15	9.19	348.96	370.58	377.71
Kansas City .....	40.4	40.6	41.5	9.80	10.37	10.47	395.92	421.02	434.51
St. Joseph .....	38.2	38.5	39.1	8.13	8.40	8.36	310.57	323.40	326.88
St. Louis .....	40.4	41.4	41.7	9.96	10.42	10.46	402.38	431.39	436.18
Springfield .....	39.3	40.2	40.4	8.13	8.23	8.25	319.51	330.85	333.30
<b>Montana</b> .....	39.6	39.4	39.9	10.24	10.67	10.68	405.50	420.40	426.13
<b>Nebraska</b> .....	39.7	40.5	40.9	8.79	8.88	8.87	348.96	359.64	362.78
Lincoln .....	37.3	40.1	40.2	8.79	9.24	9.27	327.87	370.52	372.65
Omaha .....	38.0	39.6	39.8	9.11	9.24	9.29	346.18	365.90	369.74

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued**

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>p</sup>
<b>Nevada</b> .....	38.5	39.4	40.4	\$9.07	\$9.04	\$9.02	\$349.20	\$356.18	\$364.41
Las Vegas .....	40.7	38.8	39.9	10.87	11.06	11.11	442.41	429.13	443.29
<b>New Hampshire</b> .....	39.8	39.8	41.2	7.24	7.76	7.72	288.15	308.85	318.06
Manchester .....	38.9	37.9	39.3	6.98	7.51	7.42	271.52	284.63	291.61
Nashua .....	40.5	40.7	41.6	8.54	9.22	9.23	345.87	375.25	383.97
<b>New Jersey</b> .....	40.5	41.6	41.7	9.14	9.42	9.43	370.17	391.87	393.23
Atlantic City .....	42.4	42.0	41.2	7.56	7.62	7.64	320.54	320.04	314.77
Camden .....	39.8	39.7	39.8	9.74	9.77	9.80	387.65	387.87	390.04
Hackensack .....	40.3	40.6	40.7	8.10	8.40	8.55	326.43	341.04	347.99
Jersey City .....	40.0	39.8	39.6	8.45	8.66	8.63	338.00	344.67	340.89
New Brunswick-Perth Amboy-Sayreville .....	40.6	41.2	40.9	10.22	10.35	10.32	414.93	426.42	422.09
Newark .....	40.7	41.4	41.8	9.35	9.69	9.72	380.55	401.17	406.30
Paterson-Clifton-Passaic .....	40.7	41.5	41.5	8.77	9.24	9.24	356.94	383.46	383.46
Trenton .....	40.5	41.3	41.9	9.11	9.13	9.23	368.96	377.07	386.74
<b>New Mexico</b> .....	40.5	39.4	39.0	7.55	7.81	7.77	305.78	307.71	303.03
Albuquerque .....	41.2	39.2	38.6	7.37	7.47	7.59	303.64	292.82	292.97
<b>New York</b> .....	39.1	39.6	39.8	8.76	9.15	9.16	342.52	362.34	364.57
Albany-Schenectady-Troy .....	40.4	40.0	40.7	9.04	9.16	9.35	365.22	366.40	380.55
Binghamton .....	40.2	40.2	41.5	7.89	8.13	8.18	317.18	326.83	339.47
Buffalo .....	40.4	42.0	41.7	10.98	11.44	11.43	443.59	480.48	476.63
Elmira .....	39.6	41.5	40.6	8.66	8.94	9.08	342.94	371.01	368.65
Glens Falls .....	39.2	38.9	40.0	8.61	9.28	9.20	337.51	360.99	368.00
Monroe County .....	41.0	42.2	42.1	11.53	11.82	11.88	472.73	498.80	500.15
Nassau-Suffolk .....	40.1	40.1	40.4	8.65	9.09	9.05	346.87	364.51	365.62
Newburgh-Middletown .....	38.9	38.8	39.9	6.56	6.84	6.87	255.18	265.39	274.11
New York-Northeastern New Jersey .....	38.9	( <sup>1</sup> )	( <sup>1</sup> )	8.55	( <sup>1</sup> )	( <sup>1</sup> )	332.60	( <sup>1</sup> )	( <sup>1</sup> )
New York and Nassau-Suffolk .....	37.7	37.8	38.1	8.11	8.47	8.49	305.75	320.17	323.47
New York SMSA .....	37.0	37.0	37.3	7.92	8.25	8.29	293.04	305.25	309.22
New York City .....	36.7	36.7	37.0	7.84	8.14	8.17	287.73	298.74	302.29
Poughkeepsie .....	43.8	42.7	43.1	8.85	8.71	8.63	387.63	371.92	371.95
Rochester .....	40.8	41.9	41.9	10.95	11.08	11.09	446.76	464.25	464.67
Rockland County .....	40.0	40.8	40.7	8.55	9.43	9.46	342.00	384.74	385.02
Syracuse .....	40.2	41.6	41.3	9.34	10.22	10.33	375.47	425.15	426.63
Utica-Rome .....	40.0	40.9	41.9	8.13	8.29	8.26	325.20	339.06	346.09
Westchester County .....	38.0	39.5	39.6	8.53	8.85	8.93	324.14	349.58	353.63
<b>North Carolina</b> .....	39.8	40.2	40.3	6.65	6.94	6.98	264.67	278.99	281.29
Asheville .....	39.9	40.6	40.8	6.50	6.83	6.92	259.35	277.30	282.34
Charlotte-Gastonia .....	41.1	41.7	41.8	6.70	6.94	6.95	275.37	289.40	290.51
Greensboro-Winston-Salem-High Point .....	38.7	39.7	39.6	7.24	7.57	7.65	280.19	300.53	302.94
Raleigh-Durham .....	40.1	41.3	41.3	7.86	8.14	8.26	315.19	336.18	341.14
<b>North Dakota</b> .....	37.2	37.1	38.5	7.82	7.89	7.85	290.90	292.72	302.23
Fargo-Moorhead .....	37.0	37.1	38.5	8.21	7.89	7.85	303.77	292.72	302.23
<b>Ohio</b> .....	41.1	42.5	42.5	10.46	10.92	10.95	429.91	464.10	465.38
Akron .....	42.5	43.7	43.8	10.24	10.79	10.78	435.20	471.52	472.16
Canton .....	39.5	40.8	40.5	10.39	10.89	10.91	410.41	444.31	441.86
Cincinnati .....	40.8	41.8	42.2	10.06	10.45	10.58	410.45	436.81	446.48
Cleveland .....	40.4	42.3	42.2	10.31	10.81	10.80	416.52	457.26	455.76
Columbus .....	40.2	40.4	40.7	9.87	10.20	10.24	396.77	412.08	416.77
Dayton .....	41.1	42.8	43.0	10.35	11.12	11.15	425.39	475.94	479.45
Toledo .....	42.5	43.8	43.7	11.14	11.58	11.58	473.45	507.20	506.05
Youngstown-Warren .....	41.3	44.9	43.6	12.22	13.09	12.87	504.69	587.74	561.13
<b>Oklahoma</b> .....	39.9	42.2	42.4	9.07	9.81	9.79	361.89	413.98	415.10
Oklahoma City .....	39.8	41.6	41.5	9.51	10.33	10.34	378.50	429.73	429.11
Tulsa .....	39.2	40.8	41.6	9.86	10.20	10.27	386.51	416.16	427.23
<b>Oregon</b> .....	38.9	39.4	39.5	10.27	10.38	10.44	399.50	408.97	412.38
Eugene-Springfield .....	40.5	40.3	39.7	10.68	10.71	10.72	432.54	431.61	425.58
Medford .....	39.5	39.8	41.1	9.70	9.60	9.73	383.15	382.08	399.90
Portland .....	38.8	40.1	39.9	10.47	10.59	10.62	406.24	424.66	423.74
Salem .....	37.2	37.9	38.0	9.73	9.45	9.34	361.96	358.16	354.92

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**STATE AND AREA HOURS AND EARNINGS**  
**NOT SEASONALLY ADJUSTED**

**C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued**

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>
<b>Pennsylvania</b> .....	38.9	40.2	40.3	\$8.84	\$9.27	\$9.31	\$343.88	\$372.65	\$375.19
Allentown-Bethlehem-Easton .....	37.5	38.9	39.0	8.93	9.80	9.80	334.88	381.22	382.20
Altoona .....	38.6	38.9	39.6	7.70	8.15	8.08	297.22	317.04	319.97
Delaware Valley .....	39.1	40.2	40.1	9.21	9.63	9.62	360.11	387.13	385.76
Erie .....	40.0	41.6	42.1	9.43	9.88	9.79	377.20	411.01	412.16
Harrisburg .....	39.0	40.5	40.5	8.34	8.93	9.06	325.26	361.67	366.93
Johnstown .....	34.6	38.5	37.8	7.85	8.25	8.33	271.61	317.63	314.87
Lancaster .....	39.1	40.1	40.4	8.27	8.59	8.66	323.36	344.46	349.86
Northeast Pennsylvania .....	37.3	37.6	38.0	7.27	7.50	7.55	271.17	282.00	286.90
Philadelphia SMSA .....	39.1	40.1	( <sup>1</sup> )	9.26	9.64	( <sup>1</sup> )	362.07	386.56	( <sup>1</sup> )
Pittsburgh .....	39.3	41.1	41.5	10.72	11.11	11.15	421.30	456.62	462.73
Reading .....	39.7	40.7	40.5	8.67	9.34	9.37	344.20	380.14	379.49
Williamsport .....	38.3	39.6	39.7	8.02	8.16	8.12	307.17	323.14	322.36
York .....	40.8	41.4	41.2	8.01	8.51	8.51	326.81	352.31	350.61
<b>Rhode Island</b> .....	39.5	39.8	40.1	6.86	7.10	7.15	270.97	282.58	286.72
Providence-Warwick-Pawtucket .....	39.7	39.6	39.8	6.86	7.01	7.03	272.34	277.60	279.79
<b>South Carolina</b> .....	40.0	40.7	41.3	6.97	7.17	7.21	278.80	291.82	297.77
Charleston-North Charleston .....	40.2	42.7	42.9	8.30	8.56	8.71	333.66	365.51	373.66
Columbia .....	39.1	39.9	40.9	6.82	7.14	7.10	266.66	284.89	290.39
Greenville-Spartanburg .....	39.8	40.5	40.8	6.68	7.00	7.04	265.86	283.50	287.23
<b>South Dakota</b> .....	40.8	41.9	42.0	7.46	6.98	7.04	304.37	292.46	295.68
Sioux Falls .....	45.2	44.4	44.5	8.02	6.85	6.80	362.50	304.14	302.60
<b>Tennessee</b> .....	40.0	41.0	41.1	7.40	7.67	7.69	296.00	314.47	316.06
Chattanooga .....	40.5	42.6	42.1	7.11	7.33	7.38	287.96	312.26	310.70
Knoxville .....	39.6	40.8	40.5	8.81	9.16	9.20	348.88	373.73	372.60
Memphis .....	40.8	40.7	40.5	7.78	8.17	8.09	317.42	332.52	327.64
Nashville-Davidson .....	40.4	40.9	41.2	8.28	8.61	8.67	334.51	352.15	357.20
<b>Texas</b> .....	40.4	41.9	41.9	8.79	9.04	9.07	355.12	378.78	380.03
Dallas-Fort Worth .....	40.4	41.9	41.6	8.61	8.84	8.90	347.84	370.40	370.24
Houston .....	41.0	43.0	43.1	10.69	10.97	11.03	438.29	471.71	475.39
San Antonio .....	41.4	41.2	41.9	6.59	6.71	6.82	272.83	276.45	285.76
<b>Utah</b> .....	38.9	41.1	40.2	8.64	8.81	8.99	336.10	362.09	361.40
Salt Lake City-Ogden .....	38.7	41.4	40.7	8.70	8.69	8.86	336.69	359.77	360.60
<b>Vermont</b> .....	39.4	39.9	40.8	7.55	7.88	7.91	297.47	314.41	322.73
Burlington .....	41.6	42.4	42.2	8.53	8.81	8.90	354.85	373.54	375.58
Springfield .....	38.9	40.5	41.6	7.93	8.03	8.07	308.48	325.22	335.71
<b>Virginia</b> .....	39.4	39.9	39.9	7.71	8.03	8.03	303.77	320.40	320.40
Bristol .....	39.2	39.1	40.5	6.42	6.84	6.86	251.66	267.44	277.83
Charlottesville .....	42.0	40.0	39.5	6.49	6.85	6.87	272.58	274.00	271.37
Danville .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Lynchburg .....	37.5	39.0	41.0	7.25	7.57	7.55	271.88	295.23	309.55
Norfolk-Virginia Beach-Portsmouth .....	41.2	41.9	42.3	7.92	8.63	8.56	326.30	361.60	362.09
Northern Virginia .....	40.2	39.9	40.4	8.38	8.69	8.90	336.88	346.73	359.56
Petersburg-Colonial Heights-Hopewell .....	39.7	39.9	40.9	9.63	9.90	9.88	382.31	395.01	404.09
Richmond .....	39.1	40.7	40.1	10.22	10.18	10.25	399.60	414.33	411.03
Roanoke .....	39.1	40.8	41.1	6.89	7.26	7.25	269.40	296.21	297.98
<b>Washington</b> .....	37.7	39.2	( <sup>1</sup> )	11.34	11.56	( <sup>1</sup> )	427.52	453.15	( <sup>1</sup> )
<b>West Virginia</b> .....	39.6	40.5	41.0	9.66	9.77	9.78	382.54	395.69	400.98
Charleston .....	41.8	43.1	43.4	10.93	11.99	11.97	456.87	516.77	519.50
Huntington-Ashland .....	37.7	40.5	41.0	10.91	11.03	11.40	411.31	446.72	467.40
Parkersburg-Marietta .....	40.4	41.8	41.9	10.51	10.73	11.14	424.60	448.51	466.77
Wheeling .....	39.0	40.3	40.3	11.00	11.34	11.34	129.00	457.00	457.00

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued**

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>
<b>Wisconsin</b> .....	40.2	41.2	41.3	\$9.74	\$10.12	\$10.10	\$391.55	\$416.94	\$417.13
Appleton-Oshkosh .....	41.7	42.1	42.1	9.34	9.74	9.72	389.48	410.05	409.21
Eau Claire .....	41.3	41.5	41.8	9.29	9.80	9.76	383.68	406.70	407.97
Green Bay .....	41.2	41.1	40.5	10.09	10.54	10.53	415.71	433.19	426.46
Janesville-Beloit .....	43.8	40.3	43.3	10.71	11.24	12.05	469.10	452.97	521.76
Kenosha .....	41.0	40.2	39.9	11.52	11.84	11.71	472.32	475.97	467.23
La Crosse .....	39.2	39.0	39.1	8.88	8.74	8.94	348.10	340.86	349.55
Madison .....	39.9	40.4	40.3	9.46	9.39	9.55	377.45	379.36	384.86
Milwaukee .....	40.0	41.9	41.5	10.82	11.27	11.21	432.80	472.21	465.21
Racine .....	40.0	41.1	41.1	10.07	10.43	10.41	402.80	428.67	427.85
Sheboygan .....	( <sup>1</sup> )	39.5	40.7	( <sup>1</sup> )	9.37	9.61	( <sup>1</sup> )	370.11	391.13
Wausau .....	( <sup>1</sup> )	40.7	41.0	( <sup>1</sup> )	9.15	9.15	( <sup>1</sup> )	372.40	375.15
<b>Wyoming</b> .....	35.0	37.6	40.2	8.58	8.87	8.93	300.30	333.51	358.99
<b>Puerto Rico</b> .....	38.8	39.6	39.6	4.77	4.93	4.94	185.08	195.23	195.62
<b>Virgin Islands</b> .....	40.8	42.4	42.6	10.28	10.21	10.17	419.42	432.90	433.24

<sup>1</sup> Not available.

<sup>P</sup> = preliminary.

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1983

benchmarks except Gary-Hammond-East Chicago and Indianapolis, Indiana; New Jersey; New York-Northeastern New Jersey, New York; and Wisconsin.



**PRODUCTIVITY DATA  
SEASONALLY ADJUSTED**

**C-9. Hours of wage and salary workers in nonagricultural establishments by major industry, seasonally adjusted**

Industry	Millions of hours (annual rate) <sup>1</sup>			Percent change		
	Mar. 1984 <sup>r</sup>	Apr. 1984 <sup>r</sup>	May 1984 <sup>p</sup>	May 1983 to May 1984 <sup>p</sup>	Mar. 1984 to Apr. 1984 <sup>r</sup>	Apr. 1984 to May 1984 <sup>p</sup>
Total .....	173,664	176,504	176,072	5.4	1.6	-0.2
Private sector .....	142,315	144,205	144,605	6.5	1.3	.3
Mining .....	2,186	2,219	2,247	7.9	1.5	1.3
Construction .....	7,856	8,275	8,431	13.4	5.3	1.9
Manufacturing .....	40,694	41,239	41,136	8.4	1.3	-.3
Durable goods .....	24,320	24,665	24,693	11.2	1.4	.1
Nondurable goods .....	16,373	16,575	16,443	4.5	1.2	-.8
Transportation and public utilities .....	10,405	10,551	10,559	4.2	1.4	.1
Wholesale trade .....	10,888	10,990	11,024	5.5	.9	.3
Retail trade .....	24,938	25,165	25,439	5.9	.9	1.1
Finance, insurance, and real estate .....	10,545	10,682	10,646	3.4	1.3	-.3
Services .....	34,804	35,083	35,123	5.0	.8	.1
Government .....	31,349	32,299	31,467	.8	3.0	-2.6

<sup>1</sup> Total hours paid for 1 week in the month, seasonally adjusted, multiplied by 52.

<sup>p</sup> = preliminary.

<sup>r</sup> = revised.

NOTE: 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*, BLS Bulletin 2134-1, chapter 13, Productivity Measures: Business Economy and Major Sectors.

SOURCE: Office of Productivity and Technology (202 523 9261).

**PRODUCTIVITY DATA  
SEASONALLY ADJUSTED**

**C-10. Indexes of productivity, hourly compensation, unit costs, and prices, seasonally adjusted**

(1977=100)

Item	Annual average		Quarterly index										
	1982	1983	1981		1982				1983				1984
			III	IV	I	II	III	IV	I	II	III	IV	r
<b>Business sector</b>													
Output per hour of all persons .....	101.2	103.9	102.3	101.2	101.1	100.7	101.1	101.9	102.4	103.9	104.2	105.3	106.3
Output .....	106.7	111.1	111.2	108.9	107.2	106.9	106.6	106.0	107.1	110.4	112.4	114.5	117.8
Hours .....	105.4	107.0	108.7	107.7	106.0	106.2	105.4	104.0	104.6	106.2	107.9	108.8	110.7
Compensation per hour .....	155.1	163.0	145.5	148.2	151.6	154.0	156.5	158.6	160.6	162.0	163.5	166.2	168.6
Real compensation per hour .....	97.4	99.2	95.6	95.8	97.1	97.3	97.2	98.1	99.3	99.1	99.0	99.5	99.8
Unit labor costs .....	153.3	156.9	142.3	146.4	149.9	152.9	154.7	155.6	156.9	156.0	156.9	157.9	158.6
Unit nonlabor payments .....	136.9	146.1	139.9	140.2	137.0	137.0	136.3	137.4	140.9	145.7	147.6	149.9	151.9
Implicit price deflator .....	147.7	153.2	141.5	144.3	145.5	147.5	148.5	149.4	151.5	152.5	153.8	155.2	156.3
<b>Nonfarm business sector</b>													
Output per hour of all persons .....	100.2	103.4	101.1	99.9	100.0	99.9	100.5	100.7	101.6	103.4	104.0	104.7	105.6
Output .....	106.3	111.1	110.5	108.2	106.5	106.7	106.5	105.4	106.7	110.2	112.5	114.8	117.8
Hours .....	106.0	107.4	109.4	108.2	106.5	106.8	106.0	104.6	105.0	106.6	108.2	109.6	111.6
Compensation per hour .....	154.7	163.4	145.1	147.7	151.3	153.5	156.1	158.3	160.8	162.6	164.1	165.9	168.3
Real compensation per hour .....	97.1	99.4	95.3	95.5	96.9	97.0	97.0	97.9	99.4	99.4	99.3	99.3	99.6
Unit labor costs .....	154.4	157.9	143.5	147.8	151.3	153.6	155.4	157.1	158.3	157.2	157.8	158.4	159.4
Unit nonlabor payments .....	137.0	146.6	138.3	139.5	136.4	137.7	136.5	137.2	140.7	145.8	148.3	151.3	151.9
Implicit price deflator .....	148.6	154.2	141.8	145.0	146.4	148.3	149.1	150.5	152.4	153.4	154.7	156.1	156.9
<b>Manufacturing<sup>1</sup></b>													
Output per hour of all persons .....	106.5	113.1	106.1	104.4	105.2	105.4	107.8	107.8	109.5	111.7	114.9	116.0	116.8
Output .....	99.1	106.8	108.1	103.3	100.3	99.6	99.5	97.1	99.7	104.5	110.0	112.7	116.3
Hours .....	93.0	94.4	101.9	98.9	95.3	94.4	92.3	90.0	91.1	93.5	95.7	97.2	99.5
Compensation per hour .....	158.2	166.7	147.0	150.5	155.2	157.2	159.6	161.2	165.1	166.0	167.1	168.7	171.3
Real compensation per hour .....	99.3	101.4	96.6	97.2	99.4	99.3	99.1	99.7	102.1	101.5	101.2	101.1	101.4
Unit labor costs .....	148.5	147.4	138.5	144.1	147.5	149.1	148.1	149.5	150.8	148.5	145.4	145.5	146.7
<b>Durable goods<sup>1</sup></b>													
Output per hour of all persons .....	105.4	112.5	105.3	103.7	103.8	104.3	106.8	106.9	108.7	111.2	114.2	115.7	117.2
Output .....	97.3	104.9	108.9	103.3	99.4	98.3	97.6	93.9	97.0	102.2	108.3	112.0	117.0
Hours .....	92.3	93.2	103.4	99.6	95.7	94.3	91.4	87.8	89.3	91.9	94.9	96.8	99.8
Compensation per hour .....	157.9	166.4	146.9	150.6	154.7	156.8	159.6	160.8	164.9	165.6	166.8	168.0	170.7
Real compensation per hour .....	99.1	101.2	96.5	97.4	99.0	99.1	99.1	99.5	102.0	101.3	101.0	100.6	101.0
Unit labor costs .....	149.8	147.9	139.6	145.2	149.0	150.3	149.4	150.5	151.8	148.9	146.1	145.2	145.7
<b>Non-durable goods<sup>1</sup></b>													
Output per hour of all persons .....	108.2	113.9	107.4	105.5	107.3	107.1	109.2	109.2	110.7	112.5	116.0	116.4	116.3
Output .....	101.8	109.5	107.0	103.3	101.7	101.4	102.3	101.8	103.8	107.9	112.5	113.9	115.2
Hours .....	94.1	96.1	99.6	97.9	94.8	94.6	93.7	93.3	93.8	95.9	97.0	97.8	99.1
Compensation per hour .....	159.1	168.0	146.4	149.9	155.9	157.9	160.2	162.9	166.2	167.3	168.0	170.2	172.3
Real compensation per hour .....	99.9	102.2	96.2	96.9	99.8	99.8	99.5	100.7	102.8	102.3	101.7	101.9	101.9
Unit labor costs .....	147.1	147.4	136.3	142.1	145.3	147.4	146.7	149.2	150.2	148.6	144.8	146.2	148.2
<b>Nonfinancial corporations<sup>2</sup></b>													
Output per all-employee hour .....	102.8	106.2	103.0	102.2	102.4	102.3	103.3	103.4	104.2	105.8	106.9	107.8	108.3
Output .....	107.8	112.5	112.9	110.4	108.6	108.1	108.0	106.4	107.6	111.3	114.3	116.8	119.5
Hours .....	104.8	105.9	109.8	108.1	106.0	105.7	104.6	102.9	103.3	105.2	106.9	108.4	110.3
Compensation per hour .....	154.8	162.2	145.0	147.8	151.7	153.7	156.1	158.1	160.3	161.4	162.6	164.5	166.3
Real compensation per hour .....	97.2	98.7	95.2	95.5	97.1	97.1	96.9	97.8	99.1	98.7	98.5	98.5	98.4
Total unit costs .....	153.5	155.2	143.6	147.7	150.9	153.1	153.8	156.3	156.7	155.3	154.5	154.4	154.8
Unit labor costs .....	150.6	152.8	140.7	144.6	148.1	150.2	151.1	152.9	153.9	152.5	152.1	152.6	153.5
Unit nonlabor costs .....	161.8	162.1	151.9	156.6	158.9	161.2	161.3	165.9	164.7	163.1	161.2	159.6	158.4
Unit profits .....	88.9	122.1	108.6	104.2	90.8	90.3	91.2	83.0	96.1	115.0	131.5	143.6	146.9
Implicit price deflator .....	146.1	151.4	139.6	142.7	144.0	145.9	146.6	147.9	149.7	150.7	151.8	153.2	153.9

<sup>1</sup> Revisions to quarterly output measures were introduced in the manufacturing sector; measures of productivity and unit labor costs were also affected. Small changes in output levels occurred beginning in the fourth quarter of 1977.

<sup>2</sup> Measures for the first quarter of 1984 are preliminary.  
r = revised.

SOURCE: Office of Productivity and Technology (202 523 9261).

**PRODUCTIVITY DATA  
SEASONALLY ADJUSTED**

**C-11. Percent changes from the preceding quarter and year in productivity, hourly compensation, unit costs, and prices, seasonally adjusted annual rates**

Item	Percent change from											
	Previous quarter						Same quarter, previous year					
	IV 1982	I 1983	II 1983	III 1983	IV 1983	I 1984 <sup>1</sup>	IV 1982	I 1983	II 1983	III 1983	IV 1983	I 1984 <sup>1</sup>
<b>Business sector</b>												
Output per hour of all persons .....	3.2	1.9	5.9	1.2	4.2	4.1	0.7	1.3	3.1	3.0	3.3	3.9
Output .....	-2.3	4.2	12.7	7.8	7.6	11.8	-2.7	-1	3.2	5.5	8.0	10.0
Hours .....	-5.3	2.3	6.5	6.5	3.3	7.3	-3.4	-1.3	.1	2.4	4.6	5.9
Compensation per hour .....	5.6	5.2	3.5	3.6	6.9	5.9	7.0	6.0	5.2	4.5	4.8	5.0
Real compensation per hour .....	4.0	4.9	-.8	-.6	2.3	.9	2.4	2.3	1.9	1.8	1.4	.5
Unit labor costs .....	2.3	3.3	-2.2	2.3	2.5	1.7	6.3	4.7	2.1	1.4	1.5	1.1
Unit nonlabor payments .....	3.2	10.6	14.4	5.4	6.2	5.7	-2.0	2.8	6.4	8.3	9.1	7.9
Implicit price deflator .....	2.6	5.5	2.8	3.3	3.7	3.0	3.5	4.1	3.4	3.6	3.8	3.2
<b>Nonfarm business sector</b>												
Output per hour of all persons .....	1.2	3.5	7.1	2.3	2.7	3.5	.8	1.7	3.5	3.5	3.9	3.9
Output .....	-4.1	4.9	13.7	8.9	8.1	11.1	-2.6	.2	3.3	5.7	8.9	10.4
Hours .....	-5.2	1.3	6.2	6.4	5.2	7.3	-3.3	-1.4	-.2	2.1	4.8	6.3
Compensation per hour .....	5.6	6.6	4.4	3.8	4.3	6.0	7.1	6.3	5.9	5.1	4.8	4.6
Real compensation per hour .....	4.0	6.3	.0	-.3	-.1	1.0	2.5	2.6	2.5	2.5	1.4	.1
Unit labor costs .....	4.4	3.0	-2.6	1.5	1.6	2.4	6.3	4.6	2.3	1.5	.8	.7
Unit nonlabor payments .....	2.1	10.6	15.1	7.3	8.3	1.4	-1.6	3.1	5.9	8.7	10.3	7.9
Implicit price deflator .....	3.7	5.3	2.7	3.3	3.7	2.1	3.7	4.1	3.4	3.7	3.7	2.9
<b>Manufacturing<sup>1</sup></b>												
Output per hour of all persons .....	.2	6.2	8.5	11.8	3.8	2.9	3.3	4.1	6.0	6.6	7.6	6.7
Output .....	-9.4	11.5	20.6	22.8	10.2	13.2	-6.0	-.6	5.0	10.6	16.1	16.6
Hours .....	-9.6	4.9	11.1	9.8	6.1	10.1	-9.0	-4.5	-.9	3.7	8.0	9.3
Compensation per hour .....	4.0	10.0	2.1	2.7	4.0	6.3	7.1	6.4	5.6	4.7	4.7	3.8
Real compensation per hour .....	2.4	9.7	-2.2	-1.4	-.4	1.3	2.6	2.7	2.2	2.0	1.3	-.7
Unit labor costs .....	3.8	3.6	-5.9	-8.1	.2	3.3	3.7	2.2	-.4	-1.8	-2.7	-2.7
<b>Durable goods<sup>1</sup></b>												
Output per hour of all persons .....	.3	6.7	9.7	11.1	5.6	5.3	3.1	4.7	6.6	6.9	8.2	7.9
Output .....	-14.6	14.1	23.3	26.1	14.1	19.3	-9.1	-2.4	4.0	11.0	19.3	20.6
Hours .....	-14.9	6.9	12.4	13.5	8.1	13.4	-11.9	-6.7	-2.5	3.8	10.2	11.8
Compensation per hour .....	3.3	10.6	1.6	2.8	3.0	6.7	6.8	6.6	5.6	4.5	4.5	3.5
Real compensation per hour .....	1.7	10.2	-2.6	-1.3	-1.3	1.6	2.2	2.9	2.2	1.9	1.1	-.9
Unit labor costs .....	2.9	3.7	-7.3	-7.5	-2.4	1.3	3.6	1.9	-.9	-2.2	-3.5	-4.1
<b>Nondurable goods<sup>1</sup></b>												
Output per hour of all persons .....	-.1	5.6	6.9	12.9	1.4	-.6	3.5	3.2	5.1	6.3	6.6	5.0
Output .....	-1.6	8.0	16.8	18.3	4.7	4.7	-1.4	2.1	6.5	10.1	11.8	10.9
Hours .....	-1.6	2.2	9.3	4.7	3.3	5.3	-4.7	-1.1	1.3	3.6	4.8	5.6
Compensation per hour .....	6.9	8.6	2.5	1.8	5.3	5.0	8.7	6.6	6.0	4.9	4.5	3.6
Real compensation per hour .....	5.3	8.2	-1.7	-2.2	.8	.0	4.0	2.9	2.5	2.3	1.2	-.8
Unit labor costs .....	7.0	2.8	-4.1	-9.8	3.8	5.5	5.0	3.4	.8	-1.3	-2.0	-1.3
<b>Nonfinancial corporations<sup>2</sup></b>												
Output per all-employee hour .....	.4	3.2	6.6	4.2	3.4	2.0	1.1	1.7	3.5	3.6	4.3	4.0
Output .....	-6.0	4.6	14.6	11.1	9.3	9.6	-3.7	-1.0	2.9	5.8	9.8	11.1
Hours .....	-6.4	1.4	7.6	6.6	5.7	7.5	-4.8	-2.6	-.5	2.2	5.3	6.8
Compensation per hour .....	5.2	5.7	2.9	3.0	4.6	4.5	6.9	5.7	5.0	4.2	4.1	3.8
Real compensation per hour .....	3.6	5.4	-1.4	-1.1	.2	-.5	2.4	2.0	1.7	1.6	.7	-.7
Total unit costs .....	6.7	1.0	-3.5	-2.1	-.2	1.0	5.8	3.8	1.4	.4	-1.2	-1.2
Unit labor costs .....	4.8	2.5	-3.4	-1.1	1.2	2.5	5.7	3.9	1.5	.6	-.2	-.2
Unit nonlabor costs .....	11.9	-2.8	-3.8	-4.7	-4.0	-2.7	6.0	3.7	1.2	-.1	-3.8	-3.8
Unit profits .....	-31.4	79.9	104.7	71.0	42.4	9.6	-20.3	5.8	27.3	44.2	73.1	52.9
Implicit price deflator .....	3.6	5.1	2.5	3.1	3.5	1.9	3.6	4.0	3.3	3.6	3.6	2.8

<sup>1</sup> Revisions to quarterly output measures were introduced in the manufacturing sector; measures of productivity and unit labor costs were also affected. Small changes in output levels occurred beginning in the fourth quarter of 1977.

<sup>2</sup> Measures for the first quarter of 1984 are preliminary.  
' = revised.

SOURCE: Office of Productivity and Technology (202 523 9261).

**STATE AND AREA LABOR FORCE DATA  
NOT SEASONALLY ADJUSTED**

**D-1. Labor force status by State and selected metropolitan areas**

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>
<b>Alabama</b> .....	1,766.9	1,765.9	1,776.1	254.6	218.0	195.7	14.4	12.3	11.0
Birmingham .....	396.1	391.4	393.1	54.6	44.0	39.8	13.8	11.2	10.1
Huntsville .....	157.1	163.9	164.6	16.7	16.8	14.5	10.6	10.2	8.8
Mobile .....	199.6	198.9	198.5	33.1	28.1	24.7	16.6	14.1	12.5
Montgomery .....	129.2	129.3	130.8	15.4	12.4	11.7	11.9	9.6	8.9
Tuscaloosa .....	58.9	58.0	58.1	7.2	6.4	5.7	12.6	11.1	9.7
<b>Alaska</b> .....	224.4	231.7	237.9	25.9	28.2	28.0	11.5	12.2	11.8
<b>Arizona</b> .....	1,380.0	1,412.6	1,406.2	134.4	76.0	71.2	9.7	5.4	5.1
Phoenix .....	848.2	892.0	888.7	64.2	37.0	34.4	7.6	4.1	3.9
Tucson .....	258.2	260.7	259.4	25.4	12.9	11.6	9.8	4.9	4.5
<b>Arkansas</b> .....	1,024.5	1,050.8	1,085.9	111.5	95.2	91.7	10.9	9.1	8.6
Fayetteville-Springdale .....	83.8	86.8	87.8	6.3	5.3	5.0	7.6	6.1	5.7
Fort Smith .....	91.8	93.2	93.8	10.7	7.9	7.7	11.6	8.5	8.2
Little Rock-North Little Rock .....	197.0	203.3	205.5	16.9	13.7	13.6	8.6	6.7	6.6
Pine Bluff .....	38.3	39.0	38.8	4.4	3.5	3.5	11.6	9.1	8.9
<b>California<sup>1</sup></b> .....	12,110.8	12,366.4	12,373.1	1,200.5	1,064.6	952.3	9.9	8.6	7.7
Anaheim-Santa Ana-Garden Grove .....	1,212.5	1,248.5	1,254.3	79.6	58.6	53.4	6.6	4.7	4.3
Bakersfield .....	210.8	219.7	217.9	29.1	34.0	27.8	13.8	15.5	12.7
Fresno .....	283.7	285.0	292.4	43.3	47.0	40.5	15.3	16.5	13.9
Los Angeles-Long Beach .....	3,720.0	3,774.0	3,758.0	363.0	297.0	275.0	9.7	7.9	7.3
Modesto .....	136.1	138.6	137.6	27.9	28.7	25.8	20.5	20.7	18.8
Oxnard-Simi Valley-Ventura .....	265.7	268.2	268.5	24.5	21.1	19.1	9.2	7.9	7.1
Riverside-San Bernardino-Ontario .....	638.6	651.4	651.5	68.6	60.0	56.5	10.7	9.2	8.7
Sacramento .....	516.3	537.2	534.9	54.0	53.2	45.1	10.5	9.9	8.4
Salinas-Seaside-Monterey .....	143.4	149.4	149.2	19.6	20.0	18.1	13.6	13.4	10.8
San Diego .....	841.4	868.4	870.0	73.0	57.8	52.3	8.7	6.7	6.0
San Francisco-Oakland .....	1,743.8	1,782.5	1,767.3	136.2	119.7	108.9	7.8	6.8	6.2
San Jose .....	835.6	861.3	866.3	62.0	48.8	43.2	7.4	5.7	5.0
Santa Barbara-Santa Maria-Lompoc .....	162.2	164.8	165.5	13.2	11.4	9.4	8.1	6.9	5.7
Santa Rosa .....	145.7	150.0	149.3	14.3	12.1	10.3	9.8	8.1	6.9
Stockton .....	171.5	174.5	175.8	28.9	29.4	25.0	16.8	16.8	14.2
Vallejo-Fairfield-Napa .....	140.8	139.1	140.5	15.9	11.8	9.9	11.3	8.5	7.1
<b>Colorado</b> .....	1,655.0	1,681.3	1,693.8	122.7	86.6	85.6	7.4	5.1	5.1
Denver-Boulder .....	990.0	1,010.0	1,015.1	60.5	42.8	41.2	6.1	4.2	4.1
<b>Connecticut</b> .....	1,599.9	1,610.3	1,629.1	104.8	75.6	69.8	6.6	4.7	4.3
Bridgeport .....	191.8	186.2	190.3	15.5	9.7	9.2	8.1	5.2	4.8
Hartford .....	386.4	389.2	391.2	23.1	17.6	15.4	6.0	4.5	3.9
New Britain .....	70.5	69.8	70.2	5.2	4.1	3.8	7.3	5.9	5.4
New Haven-West Haven .....	199.9	203.8	206.2	13.5	10.1	9.4	6.7	5.0	4.6
Stamford .....	124.3	124.5	126.2	5.4	3.5	3.8	4.3	2.8	3.0
Waterbury .....	104.8	103.9	104.7	8.3	5.5	4.8	7.9	5.3	4.5
<b>Delaware</b> .....	294.2	301.3	306.7	24.3	20.2	17.2	8.3	6.7	5.6
Wilmington .....	262.4	268.3	273.3	21.3	18.5	16.2	8.1	6.9	5.9
<b>District of Columbia</b> .....	325.8	317.4	313.2	40.5	37.5	33.4	12.4	11.8	10.7
Washington SMSA .....	1,770.9	1,793.3	1,803.8	95.8	80.5	72.9	5.4	4.5	4.0
<b>Florida<sup>1</sup></b> .....	4,725.6	4,979.5	4,932.7	394.7	266.9	283.4	8.4	5.4	5.7
Daytona Beach .....	115.8	124.4	123.3	7.9	5.7	5.8	6.9	4.6	4.7
Fort Lauderdale-Hollywood .....	493.0	522.3	518.7	35.7	22.4	24.0	7.2	4.3	4.6
Fort Myers-Cape Coral .....	105.7	111.1	109.1	8.1	5.0	5.2	7.6	4.5	4.7
Gainesville .....	79.9	84.0	82.9	3.6	2.3	2.4	4.5	2.7	2.9
Jacksonville .....	348.7	365.7	364.7	27.8	18.2	19.7	8.0	5.0	5.4
Lakeland-Winter Haven .....	144.3	149.3	142.8	20.0	13.4	15.1	13.9	9.0	10.6
Melbourne-Titusville Cocoa .....	128.6	140.7	141.0	9.7	6.6	7.0	7.6	4.7	5.0
Miami .....	821.6	855.0	845.0	80.5	54.8	56.3	9.8	6.4	6.7
Orlando .....	406.3	440.6	436.2	27.6	21.6	23.7	6.8	4.9	5.4
Pensacola .....	128.8	134.9	135.2	9.7	6.5	7.2	7.6	4.8	5.3
Sarasota .....	88.3	92.4	91.5	5.7	3.3	3.5	6.4	3.8	3.8
Tallahassee .....	86.9	91.2	90.7	4.4	3.0	3.4	5.0	3.3	3.6
Tampa-St. Petersburg .....	758.0	790.3	779.1	57.5	35.9	39.7	7.8	4.5	5.1
West Palm Beach-Boca Raton .....	290.8	314.7	311.9	23.7	16.2	17.3	8.1	5.2	5.6

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA  
NOT SEASONALLY ADJUSTED**

**D-1. Labor force status by State and selected metropolitan areas—Continued**

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>
<b>Georgia</b> .....	2,674.8	2,713.6	2,754.1	209.0	170.3	161.1	7.8	6.3	5.8
Albany .....	52.8	52.3	52.4	5.2	4.6	4.5	9.8	8.7	8.5
Athens .....	66.3	66.4	67.0	4.7	3.5	3.4	7.1	5.2	5.1
Atlanta .....	1,119.2	1,142.5	1,147.4	72.8	58.2	55.4	6.5	5.1	4.8
Augusta .....	138.3	135.9	136.4	13.5	10.3	10.0	9.7	7.6	7.3
Columbus .....	87.8	89.4	90.1	8.2	6.7	6.6	9.3	7.5	7.3
Macon .....	108.9	109.5	109.1	8.4	8.0	7.0	7.7	7.3	6.4
Savannah .....	98.3	98.8	99.7	8.6	7.3	7.1	8.7	7.3	7.1
<b>Hawaii</b> .....	472.3	474.1	475.3	30.1	25.6	25.6	6.4	5.4	5.4
Honolulu .....	359.9	363.3	364.2	20.3	17.2	17.2	5.6	4.7	4.7
<b>Idaho</b> .....	452.7	449.8	464.7	49.9	36.6	35.7	11.0	8.1	7.7
Boise City .....	96.4	96.1	98.5	8.3	5.5	5.4	8.6	5.7	5.5
<b>Illinois</b> <sup>1</sup> .....	5,554.5	5,568.6	5,532.5	661.0	592.4	527.2	11.9	10.6	9.5
Bloomington-Normal .....	64.4	66.6	66.5	5.2	5.1	4.5	8.1	7.6	6.7
Champaign-Urbana-Rantoul .....	86.2	87.8	87.9	5.7	5.8	5.0	6.7	6.6	5.7
Chicago .....	3,430.4	3,441.8	3,414.0	372.9	331.2	297.6	10.9	9.6	8.7
Davenport-Rock Island-Moline .....	191.6	186.8	186.8	29.5	23.0	20.8	15.4	12.3	11.1
Decatur .....	63.5	61.8	60.8	10.4	7.6	6.6	16.3	12.3	10.8
Kankakee .....	42.0	41.1	40.5	7.3	6.0	5.2	17.5	14.6	12.9
Peoria .....	172.2	167.0	165.4	28.2	21.9	19.5	16.4	13.1	11.8
Rockford .....	136.6	137.2	135.6	20.7	15.2	13.6	15.2	11.1	10.0
Springfield .....	103.0	103.5	103.3	9.3	8.5	7.6	9.0	8.2	7.3
<b>Indiana</b> .....	2,599.4	2,566.8	2,590.0	317.4	268.3	243.8	12.2	10.5	9.4
Anderson .....	56.2	55.0	55.2	7.7	5.0	4.3	13.8	9.1	7.8
Elkhart .....	74.9	79.9	81.8	5.1	4.6	3.8	6.8	5.8	4.7
Evansville .....	150.9	( <sup>2</sup> )	( <sup>2</sup> )	18.2	( <sup>2</sup> )	( <sup>2</sup> )	12.0	( <sup>2</sup> )	( <sup>2</sup> )
Fort Wayne .....	185.8	179.3	180.6	22.7	16.6	14.6	12.2	9.2	8.1
Gary-Hammond-East Chicago .....	279.2	265.1	265.2	48.3	41.2	37.8	17.3	15.5	14.3
Indianapolis .....	604.9	600.6	607.1	63.0	52.1	48.0	10.4	8.7	7.9
Lafayette-West Lafayette .....	63.8	63.8	64.3	5.2	4.5	3.9	8.2	7.0	6.0
Muncie .....	55.9	54.2	54.6	7.7	5.9	4.8	13.8	10.8	8.9
South Bend .....	139.2	141.4	142.7	12.8	11.8	10.5	9.2	8.3	7.4
Terre Haute .....	81.9	80.4	81.3	11.6	10.2	9.4	14.2	12.7	11.5
<b>Iowa</b> .....	1,440.5	1,415.5	1,434.3	134.1	118.2	113.2	9.3	8.4	7.9
Cedar Rapids .....	86.2	84.0	84.2	8.4	7.1	7.1	9.7	8.5	8.4
Des Moines .....	187.1	187.9	187.0	15.1	12.3	11.9	8.1	6.6	6.3
Dubuque .....	43.1	42.6	43.1	5.7	4.1	4.0	13.3	9.7	9.3
Sioux City .....	54.3	54.7	54.6	4.6	4.4	4.1	8.6	8.1	7.5
Waterloo-Cedar Falls .....	67.1	65.5	65.2	9.3	8.5	8.2	13.8	12.9	12.6
<b>Kansas</b> .....	1,185.1	1,169.1	1,183.8	77.0	67.5	64.2	6.5	5.8	5.4
Lawrence .....	34.8	33.8	34.1	1.6	1.7	1.6	4.6	4.9	4.8
Topeka .....	94.8	94.2	94.8	6.3	6.4	5.8	6.7	6.8	6.1
Wichita .....	220.3	221.6	224.3	18.1	13.5	13.6	8.2	6.1	6.0
<b>Kentucky</b> .....	1,707.2	1,723.4	1,734.2	218.3	174.0	163.7	12.8	10.1	9.4
Lexington-Fayette .....	186.5	( <sup>2</sup> )	( <sup>2</sup> )	11.2	( <sup>2</sup> )	( <sup>2</sup> )	6.0	( <sup>2</sup> )	( <sup>2</sup> )
Louisville .....	432.7	( <sup>2</sup> )	( <sup>2</sup> )	51.6	( <sup>2</sup> )	( <sup>2</sup> )	11.9	( <sup>2</sup> )	( <sup>2</sup> )
Owensboro .....	44.7	( <sup>2</sup> )	( <sup>2</sup> )	5.0	( <sup>2</sup> )	( <sup>2</sup> )	11.2	( <sup>2</sup> )	( <sup>2</sup> )
<b>Louisiana</b> .....	1,908.8	1,897.5	1,915.8	236.3	175.0	169.9	12.4	9.2	8.9
Alexandria .....	76.6	76.8	77.3	9.5	7.2	7.1	12.3	9.4	9.1
Baton Rouge .....	238.5	241.2	243.1	24.2	17.4	17.3	10.1	7.2	7.1
Lafayette .....	96.8	96.4	96.4	7.8	5.8	5.6	8.1	6.1	5.8
Lake Charles .....	78.2	75.9	75.7	10.5	10.4	9.9	13.4	13.7	13.1
Monroe .....	60.4	57.7	58.7	6.9	5.1	5.0	11.4	8.9	8.5
New Orleans .....	529.3	530.0	532.6	58.1	42.5	41.4	11.0	8.0	7.8
Shreveport .....	169.6	169.6	170.5	20.1	13.5	12.9	11.8	8.0	7.6
<b>Maine</b> .....	525.6	529.1	545.3	53.7	44.3	41.0	10.2	8.4	7.5
Lewiston-Auburn .....	38.5	39.5	40.3	3.8	3.1	2.7	9.7	7.9	6.7
Portland .....	96.2	102.2	104.6	6.8	5.4	4.7	7.0	5.2	4.5
<b>Maryland</b> .....	2,210.6	2,196.1	2,205.4	162.3	122.8	113.2	7.3	5.6	5.1
Baltimore .....	1,088.1	1,071.7	1,074.8	90.5	67.2	63.0	8.3	6.3	5.9

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA  
NOT SEASONALLY ADJUSTED**

**D-1. Labor force status by State and selected metropolitan areas—Continued**

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>
<b>Massachusetts</b> <sup>1</sup>	2,929.2	3,001.8	3,036.2	196.2	175.5	153.2	6.7	5.8	5.0
Boston	1,424.4	1,468.8	1,482.2	79.7	71.2	63.5	5.6	4.8	4.3
Brockton	80.6	82.4	82.9	6.3	5.3	4.7	7.8	6.5	5.7
Fall River	76.7	77.8	78.2	7.2	7.2	5.8	9.3	9.3	7.5
Fitchburg-Leominster	48.9	51.0	51.3	4.0	3.1	2.7	8.2	6.1	5.2
Lawrence-Haverhill	145.5	146.3	146.7	10.8	9.3	8.1	7.4	6.4	5.6
Lowell	133.8	142.3	144.1	7.3	6.2	5.6	5.5	4.3	3.9
New Bedford	82.8	86.7	87.8	8.2	7.8	6.8	9.8	9.0	7.7
Pittsfield	63.9	66.8	67.4	5.1	5.2	4.5	8.0	7.7	6.7
Springfield-Chicopee-Holyoke	283.6	288.3	289.6	19.0	19.0	16.4	6.7	6.6	5.7
Worcester	193.4	191.2	191.1	16.6	10.3	9.3	8.6	5.4	4.8
<b>Michigan</b> <sup>1</sup>	4,301.1	4,295.9	4,330.6	668.3	538.5	478.5	15.5	12.5	11.0
Ann Arbor	150.6	( <sup>2</sup> )	( <sup>2</sup> )	16.5	( <sup>2</sup> )	( <sup>2</sup> )	11.0	( <sup>2</sup> )	( <sup>2</sup> )
Battle Creek	79.9	( <sup>2</sup> )	( <sup>2</sup> )	12.5	( <sup>2</sup> )	( <sup>2</sup> )	15.7	( <sup>2</sup> )	( <sup>2</sup> )
Bay City	52.3	( <sup>2</sup> )	( <sup>2</sup> )	9.4	( <sup>2</sup> )	( <sup>2</sup> )	18.0	( <sup>2</sup> )	( <sup>2</sup> )
Benton Harbor	71.9	( <sup>2</sup> )	( <sup>2</sup> )	12.3	( <sup>2</sup> )	( <sup>2</sup> )	17.0	( <sup>2</sup> )	( <sup>2</sup> )
Detroit	1,979.2	( <sup>2</sup> )	( <sup>2</sup> )	311.7	( <sup>2</sup> )	( <sup>2</sup> )	15.7	( <sup>2</sup> )	( <sup>2</sup> )
Flint	218.3	( <sup>2</sup> )	( <sup>2</sup> )	38.1	( <sup>2</sup> )	( <sup>2</sup> )	17.4	( <sup>2</sup> )	( <sup>2</sup> )
Grand Rapids	333.9	( <sup>2</sup> )	( <sup>2</sup> )	41.2	( <sup>2</sup> )	( <sup>2</sup> )	12.3	( <sup>2</sup> )	( <sup>2</sup> )
Jackson	66.1	( <sup>2</sup> )	( <sup>2</sup> )	11.4	( <sup>2</sup> )	( <sup>2</sup> )	17.3	( <sup>2</sup> )	( <sup>2</sup> )
Kalamazoo-Portage	139.5	( <sup>2</sup> )	( <sup>2</sup> )	16.2	( <sup>2</sup> )	( <sup>2</sup> )	11.6	( <sup>2</sup> )	( <sup>2</sup> )
Lansing-East Lansing	243.9	( <sup>2</sup> )	( <sup>2</sup> )	27.3	( <sup>2</sup> )	( <sup>2</sup> )	11.2	( <sup>2</sup> )	( <sup>2</sup> )
Muskegon-Norton Shores-Muskegon Heights	77.1	( <sup>2</sup> )	( <sup>2</sup> )	14.9	( <sup>2</sup> )	( <sup>2</sup> )	19.3	( <sup>2</sup> )	( <sup>2</sup> )
Saginaw	98.0	( <sup>2</sup> )	( <sup>2</sup> )	15.3	( <sup>2</sup> )	( <sup>2</sup> )	15.6	( <sup>2</sup> )	( <sup>2</sup> )
<b>Minnesota</b>	2,173.1	2,165.6	2,221.1	204.3	153.2	145.1	9.4	7.1	6.5
Duluth-Superior	114.3	102.9	104.6	24.0	13.2	12.6	21.0	12.8	12.0
Minneapolis-St.Paul	1,171.8	1,198.3	1,214.5	88.6	60.3	57.4	7.6	5.0	4.7
Rochester	58.7	58.8	59.5	3.6	2.8	2.7	6.1	4.8	4.5
St. Cloud	78.5	78.9	80.9	8.7	6.9	6.3	11.1	8.8	7.7
<b>Mississippi</b>	1,073.2	1,026.1	1,032.8	148.8	104.6	96.8	13.9	10.2	9.4
Jackson	159.0	155.2	156.8	14.0	9.9	9.1	8.8	6.4	5.8
<b>Missouri</b>	2,361.1	2,367.4	2,397.2	257.4	209.1	191.2	10.9	8.8	8.0
Kansas City	687.1	686.2	693.9	63.3	44.7	42.0	9.2	6.5	6.1
St. Joseph	46.7	46.0	47.0	5.8	4.6	4.4	12.4	10.1	9.3
St. Louis	1,143.7	1,161.1	1,161.1	128.7	113.7	102.2	11.3	9.8	8.8
Springfield	113.0	114.7	115.5	9.9	7.5	6.9	8.8	6.5	5.9
<b>Montana</b>	395.2	397.4	404.4	38.2	38.8	35.0	9.7	9.8	8.7
<b>Nebraska</b>	787.6	775.7	786.6	49.0	39.3	32.5	6.2	5.1	4.1
Lincoln	108.8	108.9	108.8	5.1	3.8	3.2	4.7	3.5	2.9
Omaha	266.2	290.0	289.0	18.8	14.9	12.8	6.6	5.1	4.4
<b>Nevada</b>	481.5	490.0	500.9	51.7	39.2	36.1	10.7	8.0	7.2
Las Vegas	268.8	276.2	286.1	29.3	23.4	21.6	10.9	8.5	7.6
Reno	131.2	132.7	132.8	12.4	8.4	7.7	9.5	6.4	5.8
<b>New Hampshire</b>	491.8	505.0	506.8	31.7	24.4	22.7	6.4	4.8	4.5
Manchester	86.1	89.2	89.5	5.0	4.3	3.7	5.8	4.8	4.2
Nashua	86.5	89.4	90.5	4.2	3.0	2.6	4.9	3.4	2.9
<b>New Jersey</b> <sup>1</sup>	3,804.8	3,800.2	3,892.4	268.1	282.2	256.1	7.4	7.4	6.6
Atlantic City	118.6	126.0	130.9	10.2	11.3	10.5	8.6	9.0	8.0
Jersey City	233.6	246.3	249.2	28.9	30.0	27.9	12.4	12.2	11.2
Long Branch-Asbury Park	243.7	260.6	269.2	16.1	17.4	15.4	6.6	6.7	5.7
New Brunswick-Perth Amboy-Sayreville	336.4	355.3	364.3	22.0	22.2	20.4	6.5	6.3	5.6
Newark	966.7	1,027.4	1,046.6	68.2	71.5	64.0	7.1	7.0	6.1
Paterson-Clifton-Passaic	214.1	227.7	232.2	20.5	22.5	20.4	9.6	9.9	8.8
Trenton	160.1	168.8	172.4	10.0	9.4	8.5	6.2	5.6	4.9
Vineland-Millville-Bridgeton	56.5	60.0	60.5	7.4	9.7	8.8	13.0	16.1	14.6
<b>New Mexico</b>	601.5	612.3	617.9	64.3	49.8	46.0	10.7	8.1	7.4
Albuquerque	228.5	236.3	238.3	19.9	15.7	14.4	8.7	6.7	6.1
Las Cruces	39.5	42.9	43.3	3.9	3.2	2.9	9.8	7.6	6.8

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA  
NOT SEASONALLY ADJUSTED**

**D-1. Labor force status by State and selected metropolitan areas—Continued**

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>
<b>New York<sup>1</sup></b> .....	7,953.1	8,076.1	7,935.8	712.6	617.9	516.1	9.0	7.7	6.5
Albany-Schenectady-Troy .....	379.1	384.0	378.8	29.9	24.5	20.1	7.9	6.4	5.3
Binghamton .....	138.9	139.8	138.5	12.2	9.0	7.7	8.8	6.5	5.5
Buffalo .....	540.1	530.3	518.7	73.6	56.5	44.2	13.6	10.7	8.5
Elmira .....	37.0	36.9	36.5	4.7	3.6	2.9	12.8	9.9	7.8
Glens-Falls .....	45.6	45.7	45.3	4.9	4.3	3.4	10.7	9.3	7.5
Nassau-Suffolk .....	1,375.3	1,390.8	1,391.7	91.2	76.3	61.1	6.6	5.5	4.4
New York .....	3,568.6	3,680.7	3,587.0	306.4	287.5	255.8	8.6	7.8	7.1
New York City .....	2,944.0	3,050.0	2,959.0	270.0	256.0	229.0	9.2	8.4	7.7
Newburgh-Middletown .....	110.2	109.6	108.2	10.5	8.2	6.3	9.6	7.5	5.8
Poughkeepsie .....	115.3	117.0	116.3	7.5	6.4	5.0	6.5	5.5	4.3
Rochester .....	477.9	477.1	469.0	46.2	35.0	27.5	9.7	7.3	5.9
Syracuse .....	305.4	305.1	303.1	27.2	21.4	16.9	8.9	7.0	5.6
Utica-Rome .....	133.5	134.9	132.0	13.7	12.0	9.0	10.2	8.9	6.8
<b>North Carolina</b> .....	2,932.3	2,955.6	2,984.8	287.3	214.1	186.8	9.8	7.2	6.3
Asheville .....	86.7	85.1	86.1	7.7	5.9	5.1	8.9	6.9	5.9
Charlotte-Gastonia .....	374.9	380.7	383.7	28.1	19.5	18.0	7.5	5.1	4.7
Greensboro-Winston-Salem-High Point .....	443.2	446.6	451.6	39.1	27.1	24.1	8.8	6.1	5.3
Raleigh-Durham .....	321.0	330.8	335.4	15.8	11.8	10.9	4.9	3.6	3.2
<b>North Dakota</b> .....	314.3	317.1	327.1	21.0	21.0	17.4	6.7	6.6	5.3
Fargo-Moorehead .....	73.0	75.2	76.3	4.4	3.7	3.4	6.0	5.0	4.5
<b>Ohio<sup>1</sup></b> .....	5,076.0	4,940.4	4,995.5	651.0	525.4	489.0	12.8	10.6	9.8
Akron .....	302.4	297.9	300.3	39.0	35.5	31.9	12.9	11.9	10.6
Canton .....	186.0	181.7	182.9	29.8	23.0	20.6	15.8	12.6	11.3
Cincinnati .....	682.8	( <sup>2</sup> )	( <sup>2</sup> )	73.0	( <sup>2</sup> )	( <sup>2</sup> )	10.7	( <sup>2</sup> )	( <sup>2</sup> )
Cleveland .....	923.4	890.2	897.9	109.5	87.9	83.1	11.9	9.9	9.3
Columbus .....	572.6	571.3	580.2	52.5	46.0	45.0	9.2	8.1	7.8
Dayton .....	388.6	383.4	386.5	42.0	34.9	32.4	10.8	9.1	8.4
Toledo .....	368.4	( <sup>2</sup> )	( <sup>2</sup> )	47.7	( <sup>2</sup> )	( <sup>2</sup> )	12.9	( <sup>2</sup> )	( <sup>2</sup> )
Youngstown-Warren .....	226.8	215.3	216.8	39.3	28.5	26.1	17.3	13.2	12.0
<b>Oklahoma</b> .....	1,548.4	1,543.0	1,551.2	151.5	119.3	109.0	9.8	7.7	7.0
Enid .....	32.3	32.2	32.1	2.7	2.1	2.0	8.4	6.5	6.2
Lawton .....	39.8	39.6	39.7	2.8	2.5	2.2	6.9	6.2	5.5
Oklahoma City .....	477.0	484.5	487.4	35.7	27.6	25.2	7.5	5.7	5.2
Tulsa .....	373.2	370.3	369.9	39.6	32.1	29.1	10.6	8.7	7.9
<b>Oregon</b> .....	1,330.9	1,297.9	1,307.2	159.3	134.7	130.4	12.0	10.4	10.0
Eugene-Springfield .....	131.5	128.8	130.1	16.6	13.0	13.0	12.6	10.1	10.0
Medford .....	63.9	63.4	63.9	8.4	6.9	6.4	13.2	10.9	10.0
Portland .....	666.1	648.3	651.2	71.7	56.6	54.1	10.8	8.7	8.3
Salem .....	123.3	120.5	121.2	14.3	12.5	12.1	11.6	10.4	10.0
<b>Pennsylvania<sup>1</sup></b> .....	5,341.3	5,278.4	5,316.8	692.7	505.9	488.2	13.0	9.6	9.2
Allentown-Bethlehem-Easton .....	301.2	296.1	302.4	40.9	25.9	27.8	13.6	8.8	9.2
Altoona .....	56.0	53.3	53.8	10.4	6.5	6.4	18.6	12.2	12.0
Erie .....	121.7	119.3	120.1	20.0	13.0	12.6	16.4	10.9	10.5
Harrisburg .....	229.5	233.9	235.8	17.9	13.6	12.8	7.8	5.8	5.4
Johnstown .....	105.1	97.6	97.7	26.0	15.0	14.0	24.7	15.4	14.3
Lancaster .....	179.5	182.6	184.1	13.2	9.2	8.7	7.3	5.0	4.7
Northeast Pennsylvania .....	280.4	280.5	283.1	35.5	30.5	30.6	12.6	10.9	10.8
Philadelphia .....	2,158.1	2,190.4	2,215.0	189.7	155.1	148.0	8.8	7.1	6.7
Pittsburgh .....	1,004.9	968.8	973.8	155.2	114.5	110.3	15.4	11.8	11.3
Reading .....	154.0	156.8	159.3	18.0	11.8	12.4	11.7	7.5	7.8
Sharon .....	53.1	49.3	49.7	10.7	7.0	6.4	20.1	14.2	12.9
State College .....	51.2	51.1	51.5	6.1	4.3	3.9	12.0	8.5	7.6
Williamsport .....	51.4	51.0	51.4	8.3	6.2	6.0	16.2	12.3	11.7
York .....	174.8	173.8	176.2	21.0	15.1	15.1	12.0	8.7	8.5
<b>Rhode Island</b> .....	477.7	476.9	479.6	43.2	34.0	31.8	9.0	7.1	6.6
Providence-Warwick-Pawtucket .....	468.8	468.9	469.9	43.7	34.1	31.8	9.3	7.3	6.8
<b>South Carolina</b> .....	1,478.9	1,484.4	1,508.6	161.0	112.4	109.8	10.9	7.6	7.3
Charleston-North Charleston .....	178.0	180.8	185.0	16.2	11.2	10.9	9.1	6.2	5.9
Columbia .....	199.7	206.7	209.1	14.7	10.2	10.1	7.4	4.9	4.8
Greenville-Spartanburg .....	289.8	290.2	294.0	29.3	19.0	18.5	10.1	6.5	6.3
<b>South Dakota</b> .....	329.2	328.7	338.0	20.0	16.8	15.3	6.1	5.1	4.5
Sioux Falls .....	64.1	68.3	68.9	3.2	3.1	2.5	5.0	4.5	3.7

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA  
NOT SEASONALLY ADJUSTED**

**D-1. Labor force status by State and selected metropolitan areas—Continued**

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>	Apr. 1983	Mar. 1984	Apr. 1984 <sup>P</sup>
<b>Tennessee</b> .....	2,189.8	2,186.1	2,192.6	276.6	201.1	185.8	12.6	9.2	8.5
Chattanooga .....	196.5	194.8	195.2	21.2	16.0	15.4	10.8	8.2	7.9
Johnson City-Kingsport-Bristol .....	199.6	206.0	208.5	23.2	18.1	16.9	11.6	8.8	8.1
Knoxville .....	232.1	229.8	230.3	26.4	18.8	17.8	11.4	8.2	7.7
Memphis .....	432.2	409.0	410.1	43.8	33.2	30.8	10.1	8.1	7.5
Nashville-Davidson .....	452.5	464.0	463.8	39.8	27.7	26.3	8.8	6.0	5.7
<b>Texas<sup>1</sup></b> .....	7,534.2	7,790.2	7,821.5	607.7	509.3	504.4	8.1	6.5	6.4
Amarillo .....	76.2	77.8	77.7	4.0	3.5	3.6	5.3	4.5	4.6
Arlington .....	95.8	100.4	101.3	5.1	4.9	4.7	5.3	4.9	4.6
Austin .....	319.8	343.4	345.3	12.6	11.6	12.9	3.9	3.4	3.7
Beaumont-Port Arthur .....	180.0	179.7	180.8	25.0	21.6	21.9	13.9	12.0	12.1
Brownsville-Harlingen-San Benito .....	90.0	93.0	93.5	13.8	13.6	13.6	15.3	14.6	14.5
Bryan-College Station .....	54.1	56.6	56.5	2.4	2.2	2.2	4.5	3.8	3.8
Corpus Christi .....	167.8	166.7	168.1	17.3	15.4	15.2	10.3	9.2	9.0
Dallas-Fort Worth .....	1,765.9	1,865.6	1,879.4	91.9	73.1	73.7	5.2	3.9	3.9
El Paso .....	194.9	198.3	198.3	24.7	19.7	19.4	12.7	9.9	9.8
Galveston-Texas City .....	90.6	91.7	91.5	11.3	9.4	9.5	12.4	10.3	10.4
Houston .....	1,745.9	1,770.6	1,774.3	167.6	129.3	128.8	9.6	7.3	7.3
Killeen-Temple .....	71.2	75.6	76.3	4.5	4.0	4.0	6.3	5.2	5.2
Laredo .....	42.3	40.6	40.4	11.7	8.6	8.4	27.8	21.2	20.7
Longview-Marshall .....	79.6	79.7	79.6	8.9	7.2	7.0	11.2	9.1	8.7
Lubbock .....	112.3	114.6	114.7	6.4	7.1	7.0	5.7	6.2	6.1
McAllen-Pharr-Edinburg .....	118.0	122.7	119.8	21.7	30.5	27.5	18.4	24.8	22.9
Midland .....	63.1	70.6	69.9	3.6	3.0	2.9	5.7	4.3	4.1
Odessa .....	72.0	74.9	74.8	6.8	4.4	4.2	9.4	5.8	5.7
San Angelo .....	49.3	50.8	50.8	2.6	2.3	2.2	5.2	4.6	4.4
San Antonio .....	490.8	520.7	521.6	29.0	26.4	26.4	5.9	5.1	5.1
Sherman-Denison .....	40.0	40.3	40.3	3.4	2.4	2.3	8.6	5.9	5.8
Texarkana .....	51.0	53.0	53.4	4.9	4.6	4.5	9.6	8.6	8.5
Tyler .....	75.8	78.8	78.9	4.8	3.7	3.8	6.3	4.7	4.8
Waco .....	87.9	92.3	92.9	5.0	4.2	4.0	5.7	4.6	4.4
Wichita Falls .....	66.2	68.7	68.9	4.6	3.3	3.2	7.0	4.9	4.7
<b>Utah</b> .....	684.8	702.2	698.0	71.7	52.7	46.8	10.5	7.5	6.7
Salt Lake City-Ogden .....	449.4	462.4	458.7	43.2	31.2	27.8	9.6	6.8	6.1
<b>Vermont</b> .....	265.8	265.2	264.3	21.3	20.2	19.6	8.0	7.6	7.4
Burlington .....	71.5	71.1	71.7	3.7	3.9	3.5	5.1	5.5	4.9
<b>Virginia</b> .....	2,697.7	2,732.0	2,772.1	174.1	129.7	119.4	6.5	4.7	4.3
Danville .....	54.4	54.3	55.3	4.5	3.9	3.6	8.4	7.2	6.5
Lynchburg .....	75.9	76.9	77.6	5.4	3.5	3.3	7.1	4.5	4.3
Newport News-Hampton .....	173.9	178.5	184.3	8.7	7.0	7.0	5.0	3.9	3.8
Norfolk-Virginia Beach-Portsmouth .....	349.3	359.2	366.7	21.1	15.3	14.7	6.0	4.3	4.0
Petersburg-Colonial Heights-Hopewell .....	56.5	55.0	54.9	5.9	4.5	4.0	10.4	8.1	7.4
Richmond .....	347.5	353.1	355.7	17.6	13.0	11.5	5.1	3.7	3.2
Roanoke .....	112.0	113.9	115.3	7.3	5.6	5.5	6.5	4.9	4.7
<b>Washington</b> .....	2,056.5	2,059.4	2,066.1	241.8	219.0	212.7	11.8	10.6	10.3
Seattle-Everett .....	896.5	909.2	908.5	92.8	78.0	76.5	10.4	8.6	8.4
<b>West Virginia</b> .....	777.1	749.7	756.4	152.8	120.2	112.4	19.7	16.0	14.9
Charleston .....	121.6	120.7	121.0	17.2	15.8	15.1	14.1	13.1	12.5
Huntington-Ashland .....	124.8	( <sup>2</sup> )	( <sup>2</sup> )	24.7	( <sup>2</sup> )	( <sup>2</sup> )	19.8	( <sup>2</sup> )	( <sup>2</sup> )
Parkersburg-Marietta .....	74.1	72.3	73.2	11.4	9.9	9.4	15.4	13.7	12.8
Wheeling .....	81.9	77.4	78.2	14.6	11.8	11.1	17.8	15.2	14.1
<b>Wisconsin</b> .....	2,440.5	2,422.1	2,426.9	290.7	213.5	183.9	11.9	8.8	7.6
Appleton-Oshkosh .....	156.3	155.8	155.9	17.5	13.5	11.4	11.2	8.6	7.3
Eau Claire .....	61.2	61.8	62.1	6.8	6.2	5.1	11.1	10.0	8.2
Green Bay .....	92.6	94.6	95.0	9.4	7.9	6.9	10.2	8.3	7.2
Janesville-Beloit .....	71.8	71.4	71.7	9.6	6.3	5.6	13.4	8.9	7.9
Kenosha .....	59.7	59.9	60.1	7.7	4.9	4.3	12.8	8.1	7.1
La Crosse .....	50.9	51.7	52.1	5.0	4.2	3.6	9.8	8.2	6.8
Madison .....	192.4	195.3	195.0	14.8	12.2	9.9	7.7	6.2	5.1
Milwaukee .....	718.0	703.4	702.7	84.7	52.2	46.7	11.8	7.4	6.6
Racine .....	86.4	84.1	83.8	13.2	7.5	6.5	15.2	9.0	7.8
Sheboygan .....	53.9	53.9	54.6	5.9	3.6	3.3	10.9	6.7	6.1
Wausau .....	56.3	56.5	56.7	7.4	6.0	5.2	13.1	10.6	9.2
<b>Wyoming</b> .....	257.9	257.0	258.2	26.6	17.2	16.7	10.3	6.7	6.5

<sup>1</sup> Data are obtained directly from the Current Population Survey. See the Explanatory Notes for State and Area Labor Force Data.

<sup>2</sup> Not available.

<sup>P</sup> = preliminary.

NOTE: Data refer to place of residence. Estimates for 1983 have been

benchmarked to 1983 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 1, estimates for 1984 are provisional and will be revised when new benchmark information becomes available. Area definitions are published annually in the May issue of this publication.



# Explanatory Notes

## 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 60,000 households, representing 629 areas in 1,148 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 earnings, and average weekly earnings for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of 195,000 establishments employing over 35 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 day of the 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 definitions 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, unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises, and members of the Armed Forces stationed in the United States. Civilian 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 survey 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 reports, 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 civilians 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 disputes, 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.

## 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, production or nonsupervisory 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.

## Earnings

The household survey measures median earnings of wage and salary workers in all occupations and industries in both the private and public sectors. Data refer to the usual earnings received from the worker's sole or primary job. Data from the establishment survey generally refer to average earnings of production and related workers in mining and manufacturing, construction workers in construction, and nonsupervisory employees in private service-producing industries. For a comprehensive discussion of the household survey earnings series, see *Technical Description of the Quarterly Data on Weekly Earnings from the Current Population Survey*, BLS Bulletin 2113.

## 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, 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 (some workers in agriculture, domestic services, and religious organizations, and self-employed and unpaid family workers). 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*.

*Agricultural employment estimates of the Department of Agriculture.* The principal differences in coverage are the inclusion of persons under 16 in the Economics and Statistics Service 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 Census from its censuses or sample surveys of manufacturing and business establishments. The major reasons for 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 the 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. However, certain activities, such as interstate railroads, parochial schools, and churches are not covered by unemployment insurance whereas these are included in this BLS establishment statistics.

# 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. Historical national data are published in *Labor Force Statistics Derived From the Current Population Survey: A Databook*, BLS Bulletin 2096.

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 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 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 the members of the Armed Forces stationed in the United States, who are included as part of the categories "noninstitutional population," "labor force," and "total employment," are obtained from the Department of Defense.

Each month about 60,000 occupied units are eligible for interview. About 2,500 of these households are visited but interviews are not obtained because the occupants are not at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of between 4 or 5 percent. In addition to the 60,000 occupied units, there are 11,000 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.

## CONCEPTS AND DEFINITIONS

The concepts and definitions underlying labor force data have been modified, but not substantially altered, since the inception of the survey in 1940; those used since 1967 are as follows:

*Employed persons* are (a) all civilians who, during the survey week, did any work at all as paid employees, in their own business, profession, or on their own 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 disputes, or personal reasons, whether they were paid for the time off or were seeking other jobs. Members of the Armed Forces stationed in the United States are also included in the employed total.

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 who are temporarily in the United States but not living on the premises of an embassy. Excluded are persons whose only activity consisted of work around the house (painting, repairing, or own home housework) or volunteer work for religious, charitable, and similar organizations.

*Unemployed persons* are all civilians who had no employment during the survey week, were available for work, except for temporary illness, and (a) had made specific efforts to find employment sometime during the prior 4 weeks, or (b) were waiting to be recalled to a job from which they had been laid off, or (c) were waiting to report to a new 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.

Unemployment is also categorized according to the status of individuals at the time they began to look for work. The 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. Each of these four categories of the unemployed may be expressed as an unemployment rate or proportion of the entire civilian labor force; the sum of the four rates thus equals the unemployment rate for all civilian workers.

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 those 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 job within 30 days. Jobseekers are grouped by the methods used to seek work, including going to a 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 labor pickup point.

The *civilian labor force* comprises all civilians classified as employed or unemployed in accordance with the criteria described above. The "labor force" also includes members of the Armed Forces stationed in the United States.

The *overall unemployment rate* represents the number unemployed as a percent of the labor force, including members of the Armed Forces stationed in the United States.

The *unemployment rate for all civilian workers* 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, race, Hispanic origin, marital status, etc.

*Participation rates* represent the proportion of the population that is in the labor force. The *labor force participation rate*, is the ratio of the labor force, including the resident Armed Forces, to the noninstitutional population. The *civilian labor force participation rate* is the ratio of the civilian labor force to the civilian noninstitutional population. Civilian labor force 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 noninstitutional population that is employed. The *total employment-population ratio* is total employment, including the resident Armed Forces, as a percent of the noninstitutional population. The *civilian employment-population ratio* is the percentage of all employed civilians in the civilian noninstitutional population.

*Not in the labor force* includes all persons 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, retired, and other. The "other" group includes individuals reported as too old or temporarily unable to work, the voluntarily idle, seasonal workers for whom the survey week fell in an off season and who were not reported as looking for work, and persons who did not look for work because they believed that no jobs were available in the area or that no jobs were available for which they could qualify—discouraged workers. Persons doing only incidental, unpaid family work (less than 15 hours in the specified week) are also classified as not in labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work, desire for a job at the time of interview, and reasons for not looking for work are published 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 these questions were asked in those households entering the sample for the first time and those returning for the second 4 months of interviewing, 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 job lasting 2 weeks or more. The classifications of occupations and industries used in data derived from the CPS are defined as in the 1980 census. 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 birth or marriage.

*Hours of work* statistics relate to the actual number of hours worked during the survey week. For example, persons who normally work 40 hours a week but were off on the Columbus Day holiday would be reported as working 32 hours even though they were 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; all the hours are credited to the major job.

The distribution of employment by hours worked relates to persons at work during the survey week. At-work data differ from data on total employment because the latter include persons in the zero-hours-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 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 a 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 to 34 hours for noneconomic reasons and usually work full time.

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 that: (1) Unemployed persons looking for full-time work lost an average of 37.5 hours, (2) 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) persons on part time for economic reasons lost the difference between 37.5 hours and the actual number of hours they worked.

*White, black, and other* are terms used to describe the race of workers. Included in the "other" group are American Indians, Alaskan Natives, and Asians and Pacific Islanders. All tables in this publication which contain racial data, with the exception of A-5 and its annual counterpart, present data for the black population group. Because of their relatively small sample size, data for "other" races are not published. In the enumeration process, race is determined by the household respondent.

*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 of other Hispanic origin or descent. Persons of Hispanic origin may be of any race; thus they are included in both the white and black population groups.

*Vietnam-era veterans* are those who served in the Armed Forces of the United States between August 5, 1964, and May 7, 1975. Data are limited to men in the civilian noninstitutional population; i.e., veterans in institutions and women are excluded. Nonveterans are men who never served in the Armed Forces.

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.

*Usual weekly earnings* data are provided from responses to the question "How much does...USUALLY earn per week at this job before deductions?" Included are any overtime pay, commissions, or tips usually received. The term "usual" is as perceived by the respondent. If the respondent asks for a definition of usual, interviewers are instructed to define the term as more than half the weeks worked during the past 4 or 5 months. Data refer to wage and salary workers and the incorporated self-employed, who usually work full time on their sole or primary job.

*Single, never married; married, spouse present; and other marital status* are terms used to define the marital status of individuals at the time of interview. Married, spouse present, applies to husband and wife if both were reported as members of the same household even though one may be temporarily absent on business, vacation, on a visit, in a hospital, etc. Other marital status applies to persons who are married, spouse absent; widowed; or divorced. Married, spouse absent, includes persons who are separated because of marital discord, as well as persons who are living apart because either the husband or the wife was employed and living away from home, serving in the Armed Forces, or had a different place of residence for any reason.

A *household* consists of all persons—related family members and all unrelated persons—who occupy a housing unit. A house, an apartment, a group of rooms, or a single room is regarded as a housing unit when occupied or intended for occupancy as separate living quarters.

A *householder* is the person (or one of the persons) in whose name the housing unit is owned or rented. The term is never applied to either husbands or wives in married-couple families but relates only to persons in

families maintained by either men or women without a spouse.

*Family* refers to a group of two or more persons residing together who are related by birth, marriage, or adoption; all such persons are considered as members of one family even though they may include a related subfamily, that is, a married couple or a parent-child group related by birth or marriage to the householder and sharing the living quarters. The count of families used in this publication excludes unrelated subfamilies such as lodgers, guests, or resident employees living in a household but not related to the householder. Families are classified either as married-couple families or as families maintained by women or men without spouses. A family maintained by a woman or a man is one in which the householder is either single, widowed, divorced, or married, spouse absent. Data on the earnings of families exclude all those in which there is no wage or salary earner or in which the husband, wife, or other persons maintaining the family is either self-employed or in the Armed Forces.

## HISTORICAL COMPARABILITY

### Change in lower age limit

The lower age limit for official statistics on the labor force, employment, and unemployment was raised from 14 to 16 years of age in January 1967. Insofar as possible, historical series have been revised to provide consistent information based on the population 16 years and over. For a detailed discussion of this and other definitional changes introduced at that time, including estimates of their effect on the various series, see "New Definitions for Employment and Unemployment," *Employment and Earnings and Monthly Report on the Labor Force*, February 1967.

### Noncomparability of labor force levels

In addition to the changes introduced in 1967, there are several other periods of noncomparability in the labor force data: (1) Beginning in 1953, as a result of introducing data from the 1950 census into the estimating procedures, population levels were raised by about 600,000; labor force, total employment, and agricultural employment were increased by about 350,000, primarily affecting the figures for totals and men; other categories were relatively unaffected. (2) Beginning in 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 increase was in nonagricultural employment; other labor force categories were not appreciably affected. (3) Beginning in 1962, the introduction of data from the 1960 census reduced the population by about 50,000 and labor force and employment by about 200,000; unemployment totals were virtually unchanged. (4)

Beginning in 1972, information from the 1970 census was introduced into the estimation procedures, increasing the population by 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. (5) A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment, which affected the white and black-and-other groups but had little effect on totals, 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.

In addition, 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 estimates had its greatest impact on estimates of 20- to 24-year-old men—particularly those of the black-and-other population—but had little effect on estimates of the total population 16 years and over. 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 in 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 men and 46,000 women. 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 January 1978, the introduction of an expansion in the sample and revisions in the estimation procedures resulted in an increase of about 250,000 in the 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*.

Beginning in October 1978, the race of the individual was determined by the household respondent for the incoming rotation group households, rather than by the interviewer as before. The purpose of this change was to provide more accurate estimates of characteristics by race. Thus, in October 1978, one-eighth of the sample households had race determined by the household respondent and seven-eighths of the sample households had race determined by interviewer observation. It was not until January 1980 that the entire sample had race

determined by the household respondent. The new procedure had no significant effect on the estimates.

Beginning in January 1979, the first-stage ratio estimation method was changed in the CPS estimation procedure. Differences between the old and new procedures exist only for metropolitan and nonmetropolitan area estimates, not for the total United States. The reasoning behind the change and an indication of the differences appear in "Change in the Estimation Procedure for the Current Population Survey Beginning in January 1979" in the February 1979 issue of *Employment and Earnings*.

Beginning in January 1982, the second-stage ratio adjustment methodology was changed in the CPS estimation procedure. The new procedure is described in the Estimating Methods section. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in "Revisions in the Current Population Survey Beginning in January 1982" in the February 1982 issue of *Employment and Earnings*. In addition, current population estimates used in the second-stage estimation procedure are derived from information obtained from the 1980 census, rather than the 1970 census. This change caused substantial increases in total population and estimates of persons in all labor force categories. Rates for labor force characteristics, however, remained virtually unchanged. Some 30,000 labor force series were adjusted back to 1970 to avoid major breaks in series. The adjustment procedure used is also described in the February 1982 article cited above. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1979 that are described above, and data users should make allowances for them in making certain data comparisons.

Beginning in January 1983, the first-stage ratio adjustment methodology was updated to account for results obtained from the 1980 census. The new procedure is described in the Estimating Methods section. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in "Revisions in the Current Population Survey Beginning in January 1983" in the February 1983 issue of *Employment and Earnings*. There are only slight differences between the old and new procedures in estimates of level for the various labor force characteristics and virtually no differences in estimates of participation rates.

### **Changes in the occupational and industrial classification system.**

Beginning in 1971, the comparability of occupational employment data was affected as a result of changes in the occupational classification system for the 1970 census that were introduced into the CPS. Comparability was further affected in December 1971, when a question relating to major activity or duties was added to the

monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. As a result of these changes, meaningful comparisons of occupational employment levels could not be made between 1971-72 and prior years nor between those 2 years. Unemployment rates were not significantly affected. For a further explanation of the changes in the occupational classification system, see "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*.

Beginning in January 1983, the occupational and industrial classification systems used in the 1980 census were introduced into the CPS. These systems differ from those developed for the 1970 census which were used in the CPS from January 1971 through December 1982.

The 1980 census occupational classification system evolved from the Standard Occupational Classification system (SOC). While the CPS occupational data are now comparable with other data sources, the new system is so radically different in concepts and nomenclature from the 1970 system that comparisons of historical data are not possible without major adjustments. For example, the 1980 major group "sales occupations" is substantially larger than the 1970 category "sales workers." Major additions include "cashiers" from "clerical workers" and some self-employed proprietors in retail trade establishments from "managers and administrators, except farm."

The industrial classification used in the 1980 census is based on the 1972 Standard Industrial Classification system (SIC), as modified in 1977. The adoption of the new system had much less of an adverse effect on historical comparability than did the new occupational system. The most notable changes from the 1970 system were the transfer of farm equipment stores from "retail" to "wholesale" trade, postal service from "public administration" to "transportation", and some interchange between "professional and related services" and "public administration."

Additional information on the 1980 census occupational and industrial classification systems appears in "Revisions in the Current Population Survey Beginning in January 1983" in the February 1983 issue of *Employment and Earnings*.

### **Changes in the 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, the number of

sample areas and the number of sample persons are increased occasionally. In 1953, the current rotation plan was introduced in which a sample unit is interviewed for 4 months, leaves the sample for 8 months, and then returns to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added 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 noncontiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia and designed to provide more reliable annual average estimates for States, was incorporated into the design. A coverage improvement sample, composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 600,000 new construction housing units, was included in computing the estimates beginning in October 1978 in order to provide coverage of mobile homes and new construction units that previously had no chance for selection in the CPS sample. In January 1980, another supplemental sample of 9,000 households selected in 32 States and the District of Columbia was added to the existing sample. A sample reduction of about 6,000 units was implemented in May 1981. Beginning in January 1982, the sample was expanded by 100 households to provide additional coverage in counties added to SMSA's, which were redefined in 1973.

Beginning in April 1984, households selected based on the 1980 census sample design are being introduced into the survey, but they are located in those 1970 design sample areas that will continue into the 1980 sampling frame. Hence, there is no change in the number of sample areas at this time. (See pp. 7-10 of the May 1984 issue for an overview of the introduction of the new sample.)

Table A provides a description of some aspects of the CPS sample design in use during the different data col-

lection periods. A more detailed account of the history of the CPS sample design appears in *The Current Population Survey: Design and Methodology*, Technical Paper No. 40, Bureau of the Census, or *Concepts and Methods Used in Labor Force Statistics Derived From the Current Population Survey*, Report 463 Bureau of Labor Statistics.

## 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. The 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 and 1980 expansions, almost all sample persons within the 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 respondents 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 residential categories. For sample areas which are Standard Metropolitan Statistical Areas, (SMSA's), these residence categories are the central cities, 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

**Table A. Characteristics of the CPS sample, 1947 to date**

Time period	Number of sample areas	Households eligible		Households visited but not eligible
		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 .....	<sup>1</sup> 330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963 .....	<sup>2</sup> 333	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 Dec. 1979 .....	614	53,500	2,500	10,000
Jan. 1980 to Apr. 1981 .....	629	62,200	2,800	12,000
May 1981 to present .....	629	57,800	2,500	11,000

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



varies from 4 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 survey 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, a portion of the 629 sample areas is 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 portion of 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 performed at two geographic levels: First, by the four census regions (Northeast, North Central, South, and West), and second, for each of the 46 States which contains nonsample areas. Effective with January 1983 data, the procedure corrects for the differences that existed at the time of the 1980 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by metropolitan-nonmetropolitan residence and race, while the State adjustment is done by race only. Prior to January 1983, the State adjustment was also done by urban-rural status. At both the regional and the State levels, the race-residence categories were changed from white/nonwhite to black/nonblack. The residence categories at the State level of the estimation procedure were dropped because definitional differences between the 1970 census and the 1980 census made it impossible to continue using the same categories.

b. *Second-stage ratio estimate.* In this stage, the sample proportions of persons in specific categories are adjusted to the distribution of independent current estimates of the civilian noninstitutional population in the same categories. The second-stage ratio adjustment which is performed to further reduce variability of the estimates and to correct to some extent for CPS undercoverage relative to the decennial census, is carried out in two 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 is applied to all sample persons and is a weighting to nationwide in-

dependent population estimates within 68 age-sex-race groups. The entire second-stage adjustment procedure is iterated six times, each time beginning at the weights developed the previous time. This ensures that the sample estimates of the population for both State and national age-sex-race categories will be virtually equal to the independent population control totals. This second-stage adjustment procedure incorporates changes instituted in January 1982. The nature and effect of these changes are discussed in detail in "Revisions in the Current Population Survey Beginning in January 1982" in the February 1982 issue of *Employment and Earnings*.

The 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, 1980, 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, use Report 640 of that series. A description 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.

Beginning with the January 1982 estimates, the independent national controls used for the age-sex-race groups in the final step of the second-stage ratio adjustment are prepared by carrying forward the April 1, 1980, total population by age, race, and sex, taking account of the subsequent aging of the population, fertility, mortality, and net immigration, and then subtracting the estimate for the institutional population and Armed Forces. The April 1, 1980, total population was computed by adding together the resident population, consistent with that published for the 1980 census in *Advance Reports*, Series PHC80-V, and the Armed Forces overseas, as compiled from Department of Defense reports.

Data on births and deaths between April 1, 1980, and the estimate date are based on tabulations of vital statistics for the resident population made by the National Center for Health Statistics and data on deaths of military personnel overseas from the Department of Defense. Estimates of net civilian immigration are based on data provided by the Immigration and Naturalization Service, the Department of Defense, the Office of Personnel Management, and the Puerto Rico Planning Board. The civilian noninstitutional population is derived by subtracting the Armed Forces and the institutional population for the estimate date from the total including Armed Forces overseas. The institutional population is computed by applying institutional proportions derived from the 1980 census to the total population, including Armed Forces overseas for the estimate date. All computations described above are

performed in cells defined by single year of age, race, and sex. The independent national control totals are then obtained by collapsing these cells into broader age groups for the population 16 years and older.

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. Similarly, sums of percent distributions may not always equal 100 percent because of rounding. 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 error.* The full extent of nonsampling error is unknown, but special studies have been conducted to quantify 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, Bureau of the Census, U.S. Department of Commerce.

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 varies by rotation group. A description of these effects appears in the "The Effects of Rotation Group Bias on Estimates from Panel Surveys," by Barbara A. Bailar, *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. Compared to the level of the decennial census, undercoverage is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for men than for women, and larger for black, and other races combined 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 1980 census.

Additional information on nonsampling error in the CPS appears in "An Error Profile: Employment as Measured by the Current Population Survey," by Camilla Brooks and Barbara Bailar, Statistical Policy Working Paper 3, U.S. Department of Commerce, Office of Federal Statistical Policy and Standards; in "The Current Population Survey: An Overview," by Marvin Thompson and Gary Shapiro, *Annals of Economic and Social Measurement*, Vol. 2, April 1973; and in *The Current Population Survey, Design and Methodology*, Technical Paper No. 40, Bureau of the Census, U.S. Department of Commerce. This last document includes a comprehensive and up-to-date discussion of various sources of error, and describes attempts to measure them in the CPS.

*Sampling error.* 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 sample estimate and its estimated standard error enable one to construct confidence intervals, ranges that would include the average of all possible samples with a known probability. For example, if all possible samples were selected, each of these surveyed under essentially the same general conditions and using the same sample design, and an estimate

and its estimated error were calculated from each sample, then:

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.

2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average of all possible samples.

3. Approximately 95 percent of the intervals from 2 standard errors below the estimate to 2 standard errors above the estimate would include the average result of all possible samples.

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 volume reflect the sample design and estimation procedures in effect prior to the expansions for State estimates. Thus, these standard errors may slightly overstate the standard errors applicable to the present design. Second, 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 B and C show approximate standard errors for major employment status characteristics for monthly estimates and for changes for consecutive months. These standard errors are applicable to the level of the estimates in recent months.

Tables D through H provide generalized standard errors for monthly level and month-to-month change for estimated totals, unemployment rates, and percentages. Table I contains factors for use with table H 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 2 consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table J contains factors for use with tables D, F, H, and I to compute approximate standard

errors for levels, labor force participation rates, and percentages as pertaining to the year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50, and for the 1956-66 period, they should be multiplied by 1.22. Table K provides generalized standard errors for quarterly estimates of persons and families for use with the CPS earnings data.

*Standard errors for estimated totals.* Tables D and E 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 in a given month the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the

**Table B. Standard errors for major employment status categories**

(In thousands)

Employment status, sex, age, and race	Standard error of—	
	Monthly level	Month-to- month change (con- secutive months only)
Total, 16 years and over:		
Civilian labor force	252	193
Employed	270	205
Unemployed	137	138
Men, 20 years and over:		
Civilian labor force	152	131
Employed	167	146
Unemployed	96	96
Women, 20 years and over:		
Civilian labor force	190	143
Employed	190	147
Unemployed	83	86
Both sexes, 16 to 19 years:		
Civilian labor force	83	90
Employed	86	97
Unemployed	58	64
Black, 16 years and over:		
Civilian labor force	87	66
Employed	95	71
Unemployed	66	69
Men, 20 years and over:		
Civilian labor force	50	44
Employed	57	51
Unemployed	45	48
Women, 20 years and over:		
Civilian labor force	67	47
Employed	67	49
Unemployed	43	46
Both sexes, 16 to 19 years:		
Civilian labor force	32	37
Employed	27	31
Unemployed	30	32

**Table C. Standard errors for unemployment rates by major characteristics**

Characteristic	Standard error of--		Characteristic	Standard error of--	
	Monthly level	Consecutive month change		Monthly level	Consecutive month change
Total (all civilian workers)	0.12	0.12	<b>Occupation—Continued</b>		
Men, 20 years and over	.16	.16	Precision production, craft, and repair	0.38	0.42
Women, 20 years and over	.18	.19	Machine operators, assemblers, and inspectors	.52	.59
Both sexes, 16 to 19 years	.66	.78	Transportation and material moving	.68	.78
White workers	.12	.13	Handlers, equipment cleaners, helpers, and laborers	.80	.93
Black workers	.55	.58	Farming, forestry, and fishing	.88	1.01
Married men, spouse present	.16	.17	<b>Industry</b>		
Married women, spouse present	.22	.23	Nonagricultural private wage and salary workers	.14	.15
Full-time workers	.13	.13	Mining	1.47	1.68
Part-time workers	.34	.42	Construction	.71	.81
Unemployed 15 weeks and over	.07	.09	Manufacturing	.28	.31
<b>Occupation</b>			Durable goods	.35	.39
Executive, administrative, and managerial	.25	.28	Nondurable goods	.44	.50
Professional specialty	.20	.23	Transportation, communications, and public utilities	.43	.48
Technicians and related support	.49	.55	Wholesale and retail trade	.28	.31
Sales	.31	.35	Finance and services	.22	.24
Administrative support, including clerical	.26	.29	Government workers	.25	.28
Private household	1.28	1.45	Agricultural wage and salary workers	1.29	1.50
Protective service	.80	.90			
Service, except private household and protective	.41	.46			

previous month. Linear interpolation in the second column of table D shows that the standard error on an estimate of 12,000,000 is about 159,000. The 68-percent confidence interval as shown by these data is from 11,841,000 to 12,159,000. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 68 percent of all possible samples. 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 the first column of table E, the standard error on a month-to-month change of 400,000, when the monthly level is approximately 12,000,000, is about 118,000.

*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 upon 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, the quarterly average base is less than 60,000, or the annual average base is less than 35,000.

Tables F and G show 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 H and the factors

in table I. First obtain the standard error from table H for the specific percentage and base. The generalized standard error is then calculated by multiplying the standard error from table H by the appropriate factor from table I. When the numerator and denominator of the percentage are in different categories, use the factor indicated by the numerator of the percentage.

*Illustration.* Assume that in a given month 3.6 percent of a total of 90,771,000 employed persons are employed in agriculture. The standard error on an estimate of 3.6 percent with a base of 90,771,000 is obtained from table H (0.09 percent). The appropriate factor from table I for the numerator of the percentage, agricultural employment, is 1.26. The generalized standard error on the estimated 3.6 percent is then approximately  $0.09 \times 1.26 = 0.1$  percentage point.

*Standard errors for year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages.* The approximate standard errors of levels, rates, and percentages involving year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages may be obtained by using table J in conjunction with the other tables. Standard errors for estimates of change are more closely related to the level of the estimate than to the size of the specific change. Thus, to obtain the standard error of an estimate of an average level, rate, or percentage, or an estimate of a change in level, rate, or percentage, it is first necessary to find the appropriate estimate of level. For an estimate

of an average level, rate, or percentage, find the standard error of this estimate. For an estimate of change in level, rate, or percentage, find the standard error of the average of the two estimates affecting the change. Then, after computing the standard error by treating these estimates as monthly estimates and using the procedures above, multiply this result by a suitable factor from table J to obtain the approximate standard error for the average or change.

*Illustration.* Suppose that one is interested in the year-to-year change of a monthly unemployment rate. Assume that for a certain month the unemployment rate is 6.9 percent, based on a total of 95,676,000 in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent, based on a total of 94,254,000 in the civilian labor force for the month. First the standard error on the average of the two estimates, 6.5 percent with a base of 94,965,000, is obtained from table F (0.12 percentage point). The appropriate factor, then, from table J is 1.40. The approximate standard error on the change of 0.8 percent is then given by  $0.12 \times 1.40 = 0.17$  percentage point.

The approximate standard error of levels involving year-to-year change of quarterly estimates pertaining to CPS earnings data for persons and families may be obtained by using table K in conjunction with the following formula:

Standard error of year-to-year change =

$$\sqrt{\left(\frac{\text{Standard error}}{X}\right)^2 + \left(\frac{\text{Standard error}}{Y}\right)^2 - 2(P)\left(\frac{\text{Standard error}}{X}\right)\left(\frac{\text{Standard error}}{Y}\right)}$$

Where x is the estimate for one quarter and Y is the estimate for another quarter. The coefficient, P, is a measure of the correlation between the estimates X and Y resulting from the presence of some of the same respondents in the sample for each estimate. For consecutive year-to-year changes of quarterly estimates, the values of P are .30 for persons (total, white, and black) and .35 for families (total, white, and black). The respective values for estimates of Hispanics are .45 and .55.

*Illustration.* Assume that in a given quarter the number of women employed as full-time wage and salary workers was 27,000,000 and in the same quarter a year later, their number had increased to 29,000,000. Using linear interpolation in the eighth column of table K, the standard error of an estimate of 27,000,000 is 216,000; for 29,000,000 it is 221,000. Using the above formula, the standard error of the 2,000,000, year-to-year change is:

$$\sqrt{(216,000)^2 + (221,000)^2 - 2(.30)(216,000)(221,000)},$$

or about 259,000.

**Table D. Standard errors for estimates of monthly level**

(In thousands)

Estimated monthly level	Characteristic <sup>1</sup>								
	Agricultural employment	Labor force data other than unemployment and agricultural employment data						Unemployment	
		Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white men only, or women only	Black men only, or women only	Total or white	Black
50 .....	14	11	11	11	11	10	10	10	11
100 .....	19	15	15	15	15	14	14	15	16
500 .....	43	34	34	33	29	32	31	33	35
1,000 .....	61	48	47	46	33	45	42	47	49
2,000 .....	85	68	64	63	-	63	55	66	67
4,000 .....	120	95	84	80	-	87	66	93	88
6,000 .....	146	116	94	86	-	105	58	113	99
8,000 .....	-	133	97	83	-	120	23	129	-
10,000 .....	-	147	94	70	-	132	-	143	-
15,000 .....	-	177	50	-	-	155	-	172	-
20,000 .....	-	201	-	-	-	170	-	195	-
30,000 .....	-	236	-	-	-	188	-	-	-
40,000 .....	-	261	-	-	-	189	-	-	-
50,000 .....	-	278	-	-	-	175	-	-	-
60,000 .....	-	288	-	-	-	141	-	-	-
70,000 .....	-	293	-	-	-	61	-	-	-
80,000 .....	-	293	-	-	-	-	-	-	-
100,000 .....	-	273	-	-	-	-	-	-	-
120,000 .....	-	231	-	-	-	-	-	-	-

<sup>1</sup> When determining the standard error of an estimate for a group which is a subset of the age, sex, or 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 E. Standard errors for estimates of month-to-month change**

(In thousands)

Estimated monthly level	Characteristic <sup>1</sup>							
	Labor force data other than unemployment and agricultural employment data				Unemployment			
	Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white	Both sexes 16 to 19 years, or part-time labor force <sup>2</sup>	Black	Black, 16 to 19 years
50 .....	8	8	13	13	12	13	12	12
100 .....	11	11	18	18	16	18	17	18
500 .....	25	25	39	34	37	40	38	35
1,000 .....	36	35	54	36	51	54	52	37
2,000 .....	50	47	72	-	72	70	69	-
4,000 .....	70	62	88	-	99	78	85	-
6,000 .....	86	70	88	-	118	60	87	-
8,000 .....	98	73	71	-	132	-	-	-
10,000 .....	109	71	-	-	143	-	-	-
15,000 .....	131	42	-	-	160	-	-	-
20,000 .....	148	-	-	-	165	-	-	-
30,000 .....	174	-	-	-	-	-	-	-
40,000 .....	191	-	-	-	-	-	-	-
50,000 .....	203	-	-	-	-	-	-	-
60,000 .....	210	-	-	-	-	-	-	-
70,000 .....	212	-	-	-	-	-	-	-
80,000 .....	211	-	-	-	-	-	-	-
100,000 .....	193	-	-	-	-	-	-	-
120,000 .....	153	-	-	-	-	-	-	-

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

<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 F. Standard errors for unemployment rates**

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50 .....	2.09	2.94	4.57	6.28	7.46	8.34	9.01	9.05	9.87	10.21
100 .....	1.48	2.08	3.23	4.44	5.28	5.90	6.37	6.73	6.98	7.22
500 .....	.66	.93	1.45	1.99	2.36	2.64	2.85	3.01	3.12	3.27
1,000 .....	.47	.86	1.02	1.40	1.67	1.87	2.01	2.13	2.21	2.28
2,000 .....	.33	.46	.72	.99	1.18	1.32	1.42	1.50	1.56	1.61
4,000 .....	.23	.33	.51	.70	.83	.93	1.01	1.06	1.10	1.14
6,000 .....	.19	.27	.42	.57	.68	.76	.82	.87	.90	.93
10,000 .....	.15	.21	.32	.44	.53	.59	.64	.67	.70	.72
20,000 .....	.10	.15	.23	.31	.37	.42	.45	.47	.49	.51
60,000 .....	.06	.08	.13	.18	.21	.24	.26	.27	.27	.29
100,000 .....	.05	.07	.10	.14	.17	.19	.20	.21	.22	.22

**Table G. Standard errors for month-to-month change in unemployment rates**

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50 .....	2.32	3.28	5.14	7.18	8.69	9.90	10.93	11.81	12.58	14.48
100 .....	1.64	2.32	3.64	5.08	6.14	7.00	7.12	8.35	8.89	10.17
500 .....	.73	1.04	1.63	2.27	2.74	3.13	3.45	3.73	3.97	4.53
1,000 .....	.52	.73	1.15	1.60	1.94	2.21	2.44	2.63	2.80	3.19
2,000 .....	.37	.52	.81	1.13	1.37	1.56	1.72	1.85	1.97	2.24
4,000 .....	.26	.37	.57	.80	.96	1.10	1.20	1.30	1.38	1.56
6,000 .....	.21	.30	.47	.65	.78	.89	.98	1.05	1.11	-
10,000 .....	.16	.23	.36	.50	.60	.68	.75	.80	-	-
20,000 .....	.12	.16	.25	.35	.42	.47	.51	.54	-	-
60,000 .....	.07	.09	.14	.19	.22	.23	.24	-	-	-
100,000 .....	.05	.07	.11	.14	.15	.15	-	-	-	-

**Table H. Standard errors for 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 .....	2.14	3.01	4.69	6.46	7.68	8.61	9.32	9.86	10.27	10.76
100 .....	1.51	2.13	3.32	4.57	5.43	6.09	6.59	6.97	7.26	7.61
500 .....	.68	.95	1.48	2.04	2.43	2.72	2.95	3.12	3.25	3.40
1,000 .....	.48	.67	1.05	1.44	1.72	1.92	2.08	2.21	2.30	2.41
2,000 .....	.34	.48	.74	1.02	1.22	1.36	1.47	1.56	1.62	1.70
4,000 .....	.24	.34	.52	.72	.86	.96	1.04	1.10	1.15	1.20
6,000 .....	.20	.28	.43	.59	.70	.79	.85	.90	.94	.98
10,000 .....	.15	.21	.33	.46	.54	.61	.66	.70	.73	.76
20,000 .....	.11	.15	.23	.32	.38	.43	.47	.49	.51	.54
40,000 .....	.08	.11	.17	.23	.27	.30	.33	.35	.36	.38
60,000 .....	.06	.09	.14	.19	.22	.25	.27	.28	.30	.31
80,000 .....	.05	.08	.12	.16	.19	.22	.23	.25	.26	.27
100,000 .....	.05	.07	.10	.14	.17	.19	.21	.22	.23	.24
160,000 .....	.04	.05	.08	.11	.13	.15	.16	.17	.18	.19

NOTE: The standard errors in this table must be multiplied by the factors in table I to obtain the approximate standard error for a specific characteristic.

**Table I. Factors to be used with Table H to compute approximate standard errors for percentages and month-to-month change in percentages**

Characteristic	Factor		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. ....	1.01	1.21
Part-time labor force .....	1.26	1.50	All other unemployment characteristics:		
Labor force data other than agricultural employment and unemployment data:			Total or white:		
Total .....	1.00	.74	Total .....	.97	1.08
Men only .....	.93	.84	Both sexes, 16 to 19 years .....	.97	1.21
Women only .....	.86	.75	Black:		
Both sexes, 16 to 19 years .....	1.00	1.18	Total .....	1.04	1.13
Part-time labor force .....	1.00	1.18	Both sexes, 16 to 19 years .....	1.04	1.24

**Table J. Factors to be used with Tables D, F, H, and I to compute the approximate standard errors for levels, rates, and percentages for year-to-year change of monthly estimates, quarterly averages, change in quarterly averages, yearly averages and change in yearly averages,**

Characteristic	Factor				
	Year-to-year change of monthly estimate	Quarterly averages	Change in quarterly averages	Yearly averages	Change in yearly averages
Agricultural employment:					
Total or men .....	1.30	0.89	0.80	0.72	0.70
Women or teenagers (16 to 19 years) .....	1.30	.83	.80	.58	.70
Part time .....	1.40	.74	.80	.46	.70
Labor force data other than agricultural employment and unemployment data:					
Total or white .....	1.30	.88	.88	.67	.70
Black or teenagers (16 to 19 years) .....	1.30	.82	.88	.57	.70
Part time .....	1.40	.74	.88	.46	.60
Unemployment:					
Total .....	1.40	.76	.88	.50	.65
Part time .....	1.40	.69	.88	.39	.54

**Table K. Standard errors for estimates of quarterly level, to be used with CPS earnings data**

(In thousands)

Estimated quarterly level	Characteristic								
	Total			Men				Women	
	Part-time workers	Total or full-time workers		Part-time workers	Total or full-time workers			Total, full-time, or part-time workers	
		Total or white	Black		Total	White	Black	Total or white	Black
10 .....	5	5	5	5	5	5	5	5	5
50 .....	11	12	12	11	12	12	12	11	11
75 .....	13	15	15	13	15	15	15	13	13
100 .....	15	17	17	15	17	17	17	15	15
150 .....	19	21	21	19	21	21	21	19	19
200 .....	22	24	24	22	24	24	24	22	21
250 .....	24	27	27	24	27	27	27	24	24
300 .....	26	30	30	26	30	30	29	26	26
500 .....	34	38	38	34	38	38	37	34	33
750 .....	42	47	46	42	47	47	45	42	41
1,000 .....	48	54	53	48	54	54	50	48	46
1,500 .....	59	66	63	59	66	66	59	59	56
2,000 .....	68	76	72	68	76	76	65	68	63
2,500 .....	76	85	79	75	84	84	69	75	69
3,000 .....	83	93	85	82	92	92	71	82	74
5,000 .....	107	119	100	105	117	116	64	105	85
7,500 .....	130	145	107	127	140	138	-	127	-
10,000 .....	149	165	102	144	157	155	-	145	-
15,000 .....	180	198	-	187	183	179	-	173	-
20,000 .....	205	224	-	192	199	193	-	195	-
25,000 .....	226	244	-	207	209	199	-	211	-
30,000 .....	224	261	-	219	212	198	-	224	-
40,000 .....	273	286	-	236	201	174	-	242	-
50,000 .....	296	301	-	-	-	-	-	-	-
75,000 .....	331	304	-	-	-	-	-	-	-
100,000 .....	343	255	-	-	-	-	-	-	-



# Establishment Data (Tables B-1 through C-8)

## COLLECTION

Payroll reports provide current information on wage and salary employment, hours, and earnings in nonagricultural establishments, by industry and geographic location. Historical statistics are published in *Employment, Hours, and Earnings, United States, 1909-84*, and *Employment Hours and Earnings, States and Areas, 1939-82* and their annual supplements.

### Federal-State cooperation

Under cooperative arrangements, responding establishments report employment, hours, and earnings data to State agencies. State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the reported data to prepare State and area series and also send the reported data to the BLS (Washington Office) for use in preparing the national series. This avoids a duplicate reporting burden on establishments, and together with the use of similar estimating techniques at the national and State levels, promotes increased comparability between estimates.

### Shuttle schedules

Form BLS 790—Report on Employment, Payroll, and Hours is the name of the data collection schedule. 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 total number of full- and part-time workers on the payrolls of nonagricultural establishments and, for most industries, employment, payroll, and hours of production and related workers or nonsupervisory workers for the pay period which includes the 12th of the month.

## CONCEPTS

### Industrial classification

Establishments reporting on Form BLS 790 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. Since January 1980, this information is collected on a supplement to the quarterly unemployment insurance tax reports filed by employers. 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, and earnings for the Nation and for States and areas are classified in accordance with the 1972 *Standard Industrial Classification Manual* (SICM), Office of Management and Budget. The BLS tabulates and estimates statistics which distinguish between private and public establishments, thus maintaining continuity with previously published statistics for the private and government sector.

### 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. Salaried officers of corporations are included. Government employment covers only civilian employees; military personnel are excluded. Employees of the Central Intelligence Agency and the National Security Agency are also excluded.

Persons on establishment payrolls who are on paid sick leave (when pay is received directly from the firm), on paid holiday, on 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 on layoff, on leave without pay, on strike for the entire period, or who were hired but have not yet reported 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 private service-producing industries.

*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, trucking, hauling, maintenance, repair, janitorial, guard services, product development, auxiliary production for plant's

own use (e.g., power plant), recordkeeping, and other services closely associated with the above production operation.

*Construction workers* include the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices, helpers, laborers, etc., engaged in new work, alterations, demolition, repair, maintenance, etc., whether working at the site of construction or working in shops or yards at jobs (such as precutting 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, vacations, and for sick leave when pay is received directly from the firm.

*Overtime hours* covers 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.

*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 do 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.

Average weekly earnings estimates are derived by multiply average weekly hours estimates by average hourly earnings estimates. Therefore, weekly earnings are affected not only by changes in 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 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 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 or her 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, 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 average hours.

**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. Average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

**Real earnings,** or earnings in constant dollars, are calculated from the earnings averages for the current month using a deflator derived from the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W).

**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 average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 537-40). Both methods eliminate only the earnings due to overtime paid for at 1½ times the straight-time rates. No adjustments are 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 hours.** The indexes of aggregate weekly hours are prepared by dividing the current month's aggregate by the average of the 12 monthly figures for 1977. For basic industries, the hour aggregates are the product of average weekly hours and production worker or nonsupervisory worker employment. At all higher levels of industry aggregation, hour aggregates are the sum of the component aggregates.

**Indexes of diffusion of changes in number of employees on nonagricultural payrolls.** These indexes measure the percent of industries which posted increases in employment over the specified time span. The indexes are calculated from 185 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*.

## ESTIMATING METHODS

The principal features of the procedure used to estimate employment for the establishment 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, 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 L.

### 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 in table L, 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 1983 levels. Normally, benchmark adjustments are made annually.

**Table L. Summary of methods for computing industry statistics on employment, hours, and earnings**

Employment, hours, and earnings	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry level (division and, where stratified, industry)
Monthly data		
All employees	All-employee 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. <sup>1</sup>	Sum of all-employee estimates for component cells.
Production or nonsupervisory workers, women employees	All-employees 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.
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.
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.
Average weekly earnings	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.
Annual average data		
All employees, women employees, and production or nonsupervisory workers	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
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.
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.
Average weekly earnings	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.

<sup>1</sup> The estimates are computed by multiplying the above product by bias adjustment factors, which compensate for the underrepresentation of newly formed enterprises and other sources of bias 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 compensate 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.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by States agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover about 98 percent of employees on nonagricultural payrolls 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 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 1983 benchmark adjustment is shown in table M.

Data for all months since the last benchmark to which the series has been adjusted are subject to revision. Revised data are published as soon as possible after each benchmark revision.

## 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

**Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1983**

Industry	Benchmark	Estimate	Percent difference
Total .....	88,208,000	88,172,000	( <sup>1</sup> )
Mining .....	945,000	996,000	-5.4
Construction .....	3,469,000	3,453,000	.5
Manufacturing .....	17,956,000	18,166,000	-1.2
Transportation and public utilities .....	4,923,000	4,913,000	.2
Wholesale trade .....	5,156,000	5,145,000	.2
Retail trade .....	14,971,000	14,810,000	1.1
Finance, insurance, and real estate .....	5,361,000	5,359,000	( <sup>1</sup> )
Services .....	19,262,000	19,279,000	-1
Government .....	16,165,000	16,051,000	.7

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

considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percent 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 fluctuation 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 Current Employment Statistics program, with its 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 the reference period, 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 N 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.

### 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

**Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1983<sup>1</sup>**

Industry	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total .....	195,100	35,141,000	40
Mining .....	2,600	324,000	34
Construction .....	19,100	667,000	19
Manufacturing .....	49,200	9,951,000	55
Transportation and public utilities:			
Railroad transportation (ICC) .....	30	341,000	93
Other transportation and public utilities: .....	8,700	2,353,000	52
Wholesale trade .....	16,500	820,000	16
Retail trade .....	30,800	2,660,000	18
Finance, insurance, and real estate .....	13,400	2,040,000	38
Services .....	33,100	4,291,000	22
Government:			
Federal <sup>2</sup> .....	4,800	2,731,000	100
State .....	3,700	3,051,000	81
Local .....	12,900	5,912,000	61

<sup>1</sup> Since a few establishments do not report payroll and hours information, hours and earnings estimates may be based on a slightly smaller sample than employment estimates.

<sup>2</sup> National estimates of Federal employment by agency are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 4,800 reports covering about 64 percent of employment in Federal establishments.

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 O presents the average percent revisions of the five most recent benchmarks for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

The hours and earnings estimates for basic estimating 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 for major industries are presented in table O and for individual industries with the specified number of employees in table P. 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:

$$RMSE = \sqrt{(\text{Standard Deviation})^2 + (\text{Bias})^2}$$

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 most recent benchmark revisions) of differences between final estimates and benchmarks are presented in table P.

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 Q 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 normally not greater than 0.1 of an hour for weekly hours and 1 cent for hourly earnings.

## STATISTICS FOR STATES AND AREAS

State and area employment, hours, and earnings data

**Table O. Average benchmark revision in employment estimates and relative errors for average weekly hours and average hourly earnings by industry**

(In percent)

Industry	Average benchmark revision in estimates of employment <sup>1</sup>	Relative errors <sup>2</sup>	
		Average weekly hours	Average hourly earnings
Total .....	0.2	-	-
Total private .....	.2	0.1	0.2
Mining .....	2.1	1.0	1.3
Construction .....	1.7	.2	.5
Manufacturing .....	.5	.1	.2
Durable goods .....	.5	.1	.3
Nondurable goods .....	.4	.1	.2
Transportation and public utilities .....	.4	.7	.6
Wholesale trade .....	.3	.2	.4
Retail trade .....	1.2	.2	.4
Finance, insurance, and real estate .....	.2	.2	.4
Services .....	.4	.4	.6
Government <sup>3</sup> .....	.7	-	-

<sup>1</sup> The average percent revision in employment for the 1979-83 benchmarks.

<sup>2</sup> Relative errors relate to 1982 data.

<sup>3</sup> Estimates for government are based on a total count for Federal Government provided by the Office of Personnel Management and a sample of State and local government reports.

**Table P. Root-mean-square errors of differences between benchmarks and estimates of employment and average relative errors for average weekly hours and average hourly earnings**

Size of employment estimate	Root-mean-square error of employment estimates <sup>1</sup>	Relative errors <sup>2</sup> (in percent)	
		Average weekly hours	Average hourly earnings
50,000 .....	2,100	2.2	4.0
100,000 .....	3,900	1.3	2.3
200,000 .....	5,600	1.1	2.0
500,000 .....	14,000	.9	1.6
1,000,000 .....	15,000	.8	1.2
2,000,000 .....	26,000	.5	.9

<sup>1</sup> Assuming 12-month intervals between benchmark revisions.

<sup>2</sup> Relative errors relate to 1982 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

**Table Q. Errors of preliminary employment estimates**

Industry	Root-mean-square error of—	
	Monthly level	Month-to-month change
Total nonagricultural employment .....	114.600	105.000
Goods-producing .....	39.600	34.300
Mining .....	5.500	5.100
Construction .....	22.000	18.200
Manufacturing .....	29.000	28.500
Durable two-digit industries .....	5.400	5.200
Nondurable two-digit industries .....	3.900	3.900
Service-producing .....	93.600	91.500
Transportation and public utilities .....	13.400	14.000
Wholesale trade .....	9.000	8.300
Retail trade .....	42.600	30.100
Finance, insurance, and real estate .....	9.300	8.200
Services .....	34.500	28.000
Government .....	71.300	62.800

NOTE: Data at the division level are based on differences from January 1978 through December 1983. Two-digit industry data are based on differences from January 1982 through December 1983

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 in a summary volume published annually by the BLS.

## Productivity Data (Tables C-9 through C-11)

### COLLECTION

Productivity data 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.

### CONCEPTS

*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 all persons measure changes in the volume of goods and services produced per paid hour of labor input.

*Compensation per hour* includes wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. The data also in-

clude an estimate of wages, salaries, and supplementary payments for the self-employed, except for nonfinancial 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 business sector and the nonfarm business sector, these indexes relate to the gross domestic product less household 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 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 hours data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics. Historical statistics for most productivity measures appear in *Trends in Multifactor Productivity, 1948-81*, BLS Bulletin 2178. Additional information may be obtained from the Office of Productivity and Technology (202 523-9261).

## State and Area Labor Force Data (D 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 of determining eligibility of an area for benefits under Federal programs such as the Job Training and Partnership Act and the Public Works and Economic Development Act.

Annual average data for the States and areas shown in table D are published in *Employment and Earnings* (usually the May issue). For regions, States, selected metropolitan areas, and central cities, annual average data classified by selected demographic, social, and economic characteristics are published in the BLS bulletin, *Geographic Profile of Employment and Unemployment*.

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 Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The report "Employment and Unemployment in States and Local Areas" is published monthly through GPO and is available on microfiche only on a subscription basis.

### ESTIMATING METHODS

The civilian labor force and unemployment estimates 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 "Household Data," above.

Monthly labor force and unemployment estimates in the remaining 40 States, District of Columbia, and 253 labor market areas are prepared in several stages. The civilian labor force is the sum of the employment and unemployment levels, which are estimated in accordance with the BLS *Manual for Developing Local Area Unemployment Statistics*.

1. *Preliminary estimate—employment*: The total civilian employment estimate is based 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 several categories of employment 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, to which are added estimates for employment not covered by UI.

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 unemployment insurance (UI) laws; (2) those previously employed in industries not covered by these laws; and (3) those who were entering the civilian labor force for 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 employment 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 person 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 noncovered 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) the 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 civilian 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 of 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 6-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 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 of the geographic areas in the LMA's exhausts the geographic boundaries of the State. A proportional adjustment is applied to all sub-state LMA estimates to ensure that the sub-state estimates of employment and unemployment add to the independent State totals. In California and New York, which also have sub-state 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 the 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 and the District of Columbia 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 the 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 third 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 CPS annual averages.

## Seasonal Adjustment

Over the course of a year, the size of the Nation's labor force, the levels of employment and unemployment, and other measures of labor market activity undergo sharp fluctuations due to such seasonal events as changes in weather, reduced or expanded production, harvests, major holidays, and the opening and closing of schools. Because these seasonal events follow a more or less regular pattern each year, their influence on statistical trends can be eliminated by adjusting the statistics from month to month. These adjustments make it easier to observe the cyclical and other nonseasonal movements in the series. In evaluating

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 are also affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment-based data are published regularly in *Employment and Earnings*.

The seasonal adjustment program used for these series is an adaptation of the standard ratio-to-moving

average method. It provides for "moving" adjustment factors to take account of changing seasonal patterns. A detailed description of the method is given in *The X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15, Bureau of the Census (1967).

Beginning in January 1980, BLS introduced two major modifications in the seasonal adjustment methodology for data from the household survey. First, the data are being seasonally adjusted with a new procedure called X-11 ARIMA, which was developed at Statistics Canada as an extension of the existing standard X-11 method. A detailed description of the procedure appears in *The X-11 ARIMA Seasonal Adjustment Method*, by Estela Bee Dagum, Statistics Canada Catalogue NO. 12-564E, February 1980. The X-11 procedure was originally developed at the Bureau of the Census and had been used by the BLS to seasonally adjusted labor force series since 1973. Tests have shown that use of the X-11 ARIMA procedure, which places more emphasis on recent data, provides better seasonal adjustments than does the X-11 method alone.

The second change is that seasonal adjustment factors are calculated for use during the first 6 months of the year rather than for the entire year. In July of each year, BLS calculates and publishes in *Employment and Earnings* a set of seasonal adjustment factors for use in the second half, based on the experience through June. Revisions of historical data for the most recent 5 years are made at the beginning of each calendar year. However, as a result of the revisions to the estimates for 1970-81 based on 1980 census population counts, revisions to seasonally adjusted series in early 1982 were carried back to 1970.

All 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 (men and women under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. The seasonally adjusted figure for the labor force is the sum of eight seasonally adjusted civilian employment components, plus the resident Armed Forces total (not adjusted for seasonality), and four seasonally adjusted unemployment components; the total for unemployment is the sum of the four unemployment components; and the overall unemployment rate is derived by dividing the resulting estimate of total unemployment by the estimate of the labor force. Because of the independent seasonal adjustment of various series, components will not necessarily add to totals.

Revised seasonally adjusted data for selected labor force series based on the experience through December

1983, new seasonal adjustment factors to be used to calculate the civilian unemployment rate for the first 6 months of 1984, and a description of the current seasonal adjustment methodology are published in the January 1984 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the 1979-83 revision period for a broad range of labor force series appear in the February 1984 issue of this publication. Many additional series, which are either components or aggregates of the series presented, are published in *Supplement to Labor Force Statistics Derived From the Current Population Survey: A Databook*, Volume II, Bulletin 2096-1, May 1984.

Beginning in July 1980, the BLS also uses the X-11 ARIMA methodology in seasonally adjusting the establishment data, which previously had been computed using the *BLS Seasonal Factor Method*. All series are seasonally adjusted using the multiplicative models under X-11 ARIMA. Seasonal adjustment factors used in calculating the current year's estimates are based on actual data through March 1984 and projected data through March 1985. The ARIMA model options for projecting the data series for 1 year ahead have been used in seasonal adjusting the establishment series, introduced with June 1981 data.

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 average weekly hours.

Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (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 1977 base. For total private, total goods-producing, total private service-producing, wholesale trade, retail 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 1977 base.

Seasonally adjusted data are not published for a number of series characterized by small seasonal components relative to their trend-cycle and/or irregular components. These failed or unsatisfactory seasonally adjusted series are used in the aggregation to broader level seasonally adjusted series

Beginning in June 1983, seasonal adjustment factors

for Federal Government employment are derived from unadjusted data which include Christmas temporary workers employed by the Postal Service. In earlier years the number of these workers was substantial, and at times varied greatly from year to year, based on administrative decisions of the Postal Service. Hence, it was considered desirable to exclude this group from the unadjusted data upon which the seasonal adjustment factors were based. In the past several years, the number of these workers has decreased to the point where their

presence has no impact on seasonal adjustment. Temporary census takers for the 1980 decennial census are removed prior to the calculation of seasonal adjustment factors for Federal Government employment.

The revised seasonally adjusted series for the establishment data reflect experience through March 1984. Seasonal adjustment factors to be used for current adjustment appear in the June 1984 issue of *Employment and Earnings*.

# U.S. Department of Labor Bureau of Labor Statistics

<b>REGION I - BOSTON</b> Suite 1603 John Fitzgerald Kennedy Federal Building Government Center Boston, Mass. 02203	<b>REGION II - NEW YORK</b> Suite 3400 1515 Broadway New York, N.Y. 10036	<b>REGION III - PHILADELPHIA</b> 3535 Market Street P.O. Box 13309 Philadelphia, Pa. 19101	<b>REGION IV - ATLANTA</b> Suite 540 1371 Peachtree Street, NE. Atlanta, Ga. 30367
<b>REGION V - CHICAGO</b> 9th Floor 230 S. Dearborn Street Chicago, Ill. 60604	<b>REGION VI - DALLAS</b> 2nd Floor 555 Griffin Square Bldg. Dallas, Tex. 75202	<b>REGIONS VII and VIII - KANSAS CITY</b> 15th Floor 911 Walnut Street Kansas City, Mo. 64106	<b>REGIONS IX and X - SAN FRANCISCO</b> 450 Golden Gate Avenue Box 36017 San Francisco, Calif. 94102

## COOPERATING STATE AGENCIES

### *Current Employment Statistics Program (CES), and State and Local Area Unemployment Statistics Program (LAUS)*

BLS Region	
IV ALABAMA	-Research and Statistics Div., Depart. of Industrial Relations, Industrial Relations Building, Room 427, Montgomery 36130
X ALASKA	-Employment Security Division, Department of Labor, P.O. Box 1149, Juneau 99802
IX ARIZONA	-Department of Economic Security, 733-A, P.O. Box 6123, Phoenix 85005
VI ARKANSAS	-Employment Security Division, Department of Labor, State Capitol Mall, P.O. Box 2981, Little Rock 72203
IX CALIFORNIA	-Employment Data and Research Div., Employment Development Depart., P.O. Box 1679, Sacramento 95808.
VIII COLORADO	-Division of Employment and Training, 1278 Lincoln 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, P.O. Box 9029, Newark 19711
III DIST. OF COL.	-Division of Labor Market Information, Research and Analysis, Department of Employment Services, 500 C Street N.W., Room 411, Washington 20001
IV FLORIDA	-Bureau of Research and Information, Depart. of Labor and Employment Security, 1720 South Gadsden Street, Tallahassee 32301
IV GEORGIA	-Department of Labor, 254 Washington Street, S.W., Atlanta 30334
IX HAWAII	-Department of Labor and Industrial Relations, 830 Punchbowl Street, Room 304, Honolulu 96813
X IDAHO	-Department of Employment, P.O. Box 35, Boise 83735
V ILLINOIS	-Bureau of Employment Security, 910 South Michigan Avenue, 12th Floor, Chicago 60605
V INDIANA	-Employment Security Division, 10 North Senate Avenue, Indianapolis 46204
VII IOWA	-Department of Job Service, 1000 East Grand Avenue, Des Moines 50319
VII KANSAS	-Department of Human Resources, 401 Topeka Avenue, Topeka 66603
IV KENTUCKY	-Department for Manpower Services, Cabinet for Human Resources, 275 E. Main Street, Frankfort 40621
VI LOUISIANA	-Department of Labor, P.O. Box 44094, Capitol Station, Baton Rouge 70804
I MAINE	-Division of Research and Analysis, Department of Labor, 20 Union Street, Augusta 04330
III MARYLAND	-Research and Analysis Division, 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	-Research and Statistics Division, Employment Security Commission, 7310 Woodward Avenue, Detroit 48202
V MINNESOTA	-Department of Economic Security, 390 North Robert Street, St. Paul 55101
IV MISSISSIPPI	-Research and Statistics Div., Employment Security Commission, P.O. Box 1699, Jackson 39205
VII MISSOURI	-Division of Employment Security, P.O. Box 59, Jefferson City 65101
VIII MONTANA	-Department of Labor and Industry, P.O. Box 1728, Helena 59601
VII NEBRASKA	-Division of Employment, Department of Labor, P.O. Box 94600, Lincoln 68509
IX NEVADA	-Employment Security Department, 500 East Third Street, Carson City 89713
I NEW HAMPSHIRE	-Department of Employment Security, 32 South Main Street, Concord 03301
II NEW JERSEY	-Division of Planning and Research, Department of Labor, P.O. Box 2765, Trenton 08625
VI NEW MEXICO	-Employment Services Division, Employment Security Department, P.O. Box 1928, Albuquerque 87103
II NEW YORK	-Division of Research and Statistics, Department of Labor, State Campus, Building 12, Albany 12240
IV NORTH CAROLINA	-Labor Market Information Division, Employment Security Commission, P.O. Box 25903, Raleigh 27611
VIII NORTH DAKOTA	-Job Service, P.O. Box 1537, Bismarck 58505
V OHIO	-Labor Market Information Division, Bureau of Employment Services, P.O. Box 1618, Columbus 43216
VI OKLAHOMA	-Research and Planning Division, Employment Security Commission, 310 Will Rogers Memorial Office Building, Oklahoma City 73105
X OREGON	-Employment Division, Department of Human Resources, 875 Union Street N.E., Salem 97311
III PENNSYLVANIA	-Research and Statistics Division, Department of Labor and Industry, 7th and Forster Streets, Harrisburg 17121
II PUERTO RICO	-Department of Labor and Human Resources, Bureau of Labor Statistics, 505 Munoz Rivera Ave., 17th Fl., Hato Rey 00918 (CES). Bureau of Employment Security, 505 Munoz Rivera Ave., 15th Fl., Hato Rey 00918 (LAUS)
I RHODE ISLAND	-Department of Employment Security, 24 Mason Street, Providence 02903
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, Cordell Hull Office Building, Room 519, Nashville 37219
VI TEXAS	-Employment Commission, 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 and Training, P.O. Box 488, Montpelier 05602
III VIRGINIA	-Division of Research and Analysis, Employment Commission, P.O. Box 1358, Richmond 23211
II VIRGIN ISLANDS	-Bureau of Labor Statistics, Department of Labor, P.O. Box 818, St. Thomas 00801
X WASHINGTON	-Employment Security Department, 212 Maple Park, Olympia 98504
III WEST VIRGINIA	-Division of Labor and Economic Security, Depart. of Employment Security, 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 82602