



EMPLOYMENT AND EARNINGS

March 1984

U.S. Department of Labor  
Bureau of Labor Statistics

In this issue:  
1983 annual averages for all  
national industry series





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

BUREAU OF LABOR STATISTICS  
Janet L. Norwood, Commissioner

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## 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, poverty-nonpoverty 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 detail (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 unemployment data

Annual averages	May
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<sup>1</sup> Issue varies. Latest revised data introduced June 1983.

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

# Employment and Earnings

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Editors: Gloria Peterson Green, Rosalie K. Epstein

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## Contents

	<i>Page</i>
List of statistical tables .....	2
Employment and unemployment developments, February 1984 .....	4
Comparison of nonagricultural employment estimates from two surveys .....	6
Statistical tables:	
<b>Not seasonally adjusted—</b>	
Household data .....	13
Establishment data:	
Employment .....	48
Hours and earnings .....	81
State and area unemployment data .....	111
<b>Seasonally adjusted—</b>	
Household data .....	40
Establishment data:	
Employment .....	64
Hours and earnings .....	101
Productivity .....	103
<b>Revised seasonally adjusted real earnings series .....</b>	<b>117</b>
Explanatory notes .....	118

# MONTHLY HOUSEHOLD DATA

Page

## Employment Status

A- 1.	Employment status of the noninstitutional population 16 years and over, 1951 to date . . . . .	10
A- 2.	Employment status of the noninstitutional population 16 years and over by sex, 1973 to date . . . . .	11
A- 3.	Employment status of the civilian noninstitutional population 16 years and over, 1951, to date . . . . .	12
A- 4.	Employment status of the civilian noninstitutional population by age, sex, and race . . . . .	13
A- 5.	Employment status of the black-and-other civilian noninstitutional population by sex and age . . . . .	16
A- 6.	Employment status of the civilian noninstitutional population by race, sex, and age . . . . .	17
A- 7.	Employment status of the civilian noninstitutional population 16 to 21 years of age by major activity, sex, and race . . . . .	18
A- 8.	Employment status of male Vietnam-era veterans and nonveterans by age . . . . .	19
A- 9.	Full-and part-time status of the civilian labor force by sex, age, and race . . . . .	20
A-10.	Employment status of persons in families by family relationship . . . . .	21

## Characteristics of the Unemployed

A-11.	Unemployed persons by marital status, race, age, and sex . . . . .	22
A-12.	Unemployed persons by occupation and sex . . . . .	23
A-13.	Unemployed persons by industry and sex . . . . .	24
A-14.	Unemployed persons by reason for unemployment, sex, and race . . . . .	25
A-15.	Unemployed persons by reason for unemployment, sex, age, and duration of unemployment . . . . .	26
A-16.	Unemployed persons by duration of unemployment . . . . .	26
A-17.	Unemployed persons by sex, age, marital status, and duration of unemployment . . . . .	27
A-18.	Unemployed persons by occupation, industry, and duration of unemployment . . . . .	28
A-19.	Unemployed jobseekers by sex, age, race, and jobsearch methods used . . . . .	29
A-20.	Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used . . . . .	30

## Characteristics of the Employed

A-21.	Employed civilians in agriculture and nonagricultural industries by age and sex . . . . .	31
A-22.	Employed civilians by occupation, sex, and age . . . . .	32
A-23.	Employed civilians by occupation, race, and sex . . . . .	33
A-24.	Employed civilians by age, sex, and class of worker . . . . .	34
A-25.	Employed civilians by industry and occupation . . . . .	35
A-26.	Employed civilians with a job but not at work by reason, sex, and pay status . . . . .	35
A-27.	Persons at work by hours of work and type of industry . . . . .	36
A-28.	Persons at work 1 to 34 hours by reason for working less than 35 hours, type of industry, and usual status . . . . .	36
A-29.	Persons at work in nonagricultural industries by class of worker and full- or part-time status . . . . .	37
A-30.	Persons at work in nonagricultural industries by sex, age, race, marital status, and full- or part-time status . . . . .	38
A-31.	Persons at work in nonfarm occupations by sex and full- or part-time status . . . . .	39

## 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 . . . . .	40
A-33.	Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted . . . . .	41
A-34.	Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted . . . . .	42
A-35.	Employed civilians by selected social and economic categories, seasonally adjusted . . . . .	43
A-36.	Employed civilians by sex and age, seasonally adjusted . . . . .	44
A-37.	Unemployed persons by sex and age, seasonally adjusted . . . . .	44
A-38.	Unemployment rates by sex and age, seasonally adjusted . . . . .	45
A-39.	Selected unemployment indicators, seasonally adjusted . . . . .	45
A-40.	Unemployed persons by duration of unemployment, seasonally adjusted . . . . .	46
A-41.	Unemployed persons by reason for unemployment, seasonally adjusted . . . . .	46

# MONTHLY ESTABLISHMENT DATA

Page

## Employment—National

B- 1.	Employees on nonagricultural payrolls by industry division, 1933 to date . . . . .	47
B- 2.	Employees on nonagricultural payrolls by industry . . . . .	48
B- 3.	Women employees on nonagricultural payrolls by industry . . . . .	57
B- 4.	Employees on nonagricultural payrolls by industry, seasonally adjusted . . . . .	64
B- 5.	Women employees on nonagricultural payrolls by industry, seasonally adjusted . . . . .	65
B- 6.	Production or nonsupervisory workers on private nonagricultural payrolls, seasonally adjusted . . . . .	66
B- 7.	Indexes of diffusion: Percent of industries in which employment increased . . . . .	67

## Employment—State and Area

B- 8.	Employees on nonagricultural payrolls for States and selected areas by industry division . . . . .	68
-------	--	----

## Hours and Earnings—National

C- 1.	Gross hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls by industry division, 1963 to date . . . . .	81
C- 2.	Gross hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls by industry . . . . .	82
C- 3.	Average hourly earnings excluding overtime of production workers on manufacturing payrolls by industry . . . . .	98
C- 4.	Gross average weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, in current and constant (1977) dollars . . . . .	98
C- 5.	Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers on private nonagricultural payrolls . . . . .	99
C- 6.	Average weekly hours of production or nonsupervisory workers on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted . . . . .	101
C- 7.	Indexes of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted . . . . .	102
C- 8.	Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, seasonally adjusted . . . . .	103
C- 9.	Hours of wage and salary workers in nonagricultural establishments by industry division . . . . .	103
C-10.	Indexes of output and compensation per hour, unit costs, and prices, business sector, seasonally adjusted . . . . .	104
C-11.	Percent changes from preceding quarter and year in productivity, hourly compensation, unit costs, and prices, business sector, seasonally adjusted at annual rate . . . . .	105

## Hours and Earnings—State and Area

C-12.	Gross hours and earnings of production workers on manufacturing payrolls by State and selected areas . . . . .	106
-------	--	-----

# MONTHLY STATE AND AREA UNEMPLOYMENT DATA

D- 1.	Labor force and unemployment by State and selected metropolitan areas . . . . .	111
-------	---	-----

# Employment and Unemployment Developments, February 1984

Employment rose markedly in February and unemployment continued to decline. Both the overall unemployment rate, at 7.7 percent, and the civilian worker rate, at 7.8 percent, dropped two-tenths of a percentage point over the month. Since the November 1982 recession trough, the rates have declined by 2.9 percentage points, and the number of unemployed has been reduced by 3.1 million.

Total civilian employment—as measured by the monthly survey of households—rose by 700,000 in February to 103.9 million, seasonally adjusted. The proportion of the civilian population with jobs was 59.1 percent, the highest since August 1981.

The number of employees on nonagricultural payrolls—as measured by the monthly survey of establishments—advanced by 385,000 to 92.2 million. Gains were particularly large in services and durable goods manufacturing.

## Unemployment

The unemployment rate for civilians dropped 0.2 percentage point in February to 7.8 percent, seasonally adjusted, as the number of unemployed declined by 225,000 to 8.8 million. The unemployment rate for adult men fell 0.3 point to 7.0 percent, while the rate for adult women edged down to 6.9 percent, and the rate for teenagers was stable at 19.3 percent. Jobless rates for black and white workers continued to trend down. The black teenage unemployment rate was down to 43.5 percent, reflecting improvements for young black women. The rate of Hispanic joblessness fell from 11.2 to 10.2 percent. (See tables A-33 and A-34.)

Both the mean and median duration of unemployment fell in February—to 18.8 and 8.3 weeks, respectively—as there was a substantial decline in the number of very long-term unemployed (27 or more weeks). Job losers accounted for about 54 percent of the jobless total, down from a recessionary high of 62 percent. (See tables A-40 and A-41.)

## Total employment and the labor force

Total civilian employment, at 103.9 million, seasonally adjusted, increased by 700,000 in February and has risen by 4.9 million over the course of the recovery, the largest gain in the first 15 months of any post-World War II recovery period. Over-the-month increases were

shared among adult men and women and white and black workers. Since November 1982, the proportion of the population with jobs has risen by about 2 percentage points for whites, to 60.2 percent, and by 3 percentage points for blacks, to 51.8 percent. (See tables A-33 and A-34.)

The rate of job growth over the past year has been greatest among precision production, craft, and repair workers—up 7 percent to 12.6 million—and operators, fabricators, and laborers—up 6 percent to 16.2 million. Service occupations recorded the lowest rate of growth during this period, while employment in farming, forestry, and fishing recorded a slight decline. (See table A-22.)

The civilian labor force rose by 480,000 in February to 112.7 million, seasonally adjusted. Growth occurred among both white and black workers and was especially visible among adult women. Over the course of the recovery, labor force gains have kept pace with population growth, as the overall labor force participation rate of 64.1 percent in February was the same as in November 1982.

## Industry payroll employment

Nonagricultural payroll employment rose by 385,000 in February. Job gains continued to be widespread, with two-thirds of the 186 industries in the BLS index of diffusion registering over-the-month increases. At 92.2 million, seasonally adjusted, total nonfarm employment has risen by 650,000 over the past 2 months and was 3.5 million above the November 1982 level. (See tables B-4 and B-7.)

Two-thirds of the February increase occurred in the manufacturing (110,000) and services (145,000) industries, each of which continued their strong growth during the recovery period. Within manufacturing, over-the-month gains were concentrated in the durable goods industries, especially in electrical and electronic equipment, machinery, and transportation equipment, which together accounted for 60 percent of the overall manufacturing gain. In nondurable goods, the only notable increase was in the auto-related rubber and plastic products industry, which has shown strength in recent months. Total factory jobs have risen by 1.3 million since November 1982. The large over-the-month employment increase in the services industry continued

the strong growth pattern during the past 15 months (1.1 million).

Employment in retail trade declined somewhat less than usual from January to February, and, as a result, the job total rose by 55,000 after seasonal adjustment. Elsewhere, the number of jobs in construction rose by 35,000, and there was also an increase in the durable goods portion of wholesale trade.

### **Weekly hours**

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls edged down 0.1 hour in February to 35.4 hours, seasonally adjusted. At 41.0 hours, the manufacturing workweek held steady at the highest level since January 1967. Factory overtime hours were about unchanged over the month at 3.6 hours, the highest level since early 1979. (See table C-6.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls, at 110.2 (1977 = 100) in February, was little changed over the month. The manufacturing index was up 0.7 percent in February to 96.5, 16.1 percent above the recession low. (See table C-7.)

### **Hourly and weekly earnings**

Average hourly earnings were about unchanged in February, while average weekly earnings decreased 0.2 percent, seasonally adjusted. Prior to adjustment for seasonality, average hourly earnings also were about unchanged in February at \$8.24, and average weekly earnings rose by 47 cents to \$289.22. Since February 1983, average hourly earnings have risen by 32 cents, and average weekly earnings were up by \$18.36. (See tables C-1 and C-8.)

### **Hourly Earnings Index**

The Hourly Earnings Index (HEI) was 158.2 (1977 = 100) in February, seasonally adjusted, essentially unchanged from January. For the 12 months ended in February, 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 decreased 0.1 percent during the 12-month period ended in January. (See table C-8.)

# Comparison of Nonagricultural Employment Estimates From Two Surveys

\*John F. Stinson, Jr.

Each month, the Bureau of Labor Statistics analyzes and publishes two independently derived estimates of nonagricultural employment. One is based on data from the Current Population Survey (or household survey), and the other from the Current Employment Statistics program (or establishment survey). Both series are important in appraising labor market trends and in assessing the overall performance of the economy. However, they are not always in agreement.

While the long-term movements of the two series have tended to be very similar, differences do occur with respect to their month-to-month changes and to their trends, particularly over the course of the business cycle. Some of these differences arise because the two series measure somewhat different things (employed individuals versus occupied jobs); other differences stem from measurement or procedural variations; and still others from scope and coverage.

Data from the household survey are obtained from a sample of about 60,000 households and measure the work status of individuals, whereas data from the establishment survey are derived from payroll records of approximately 189,000 establishments and are essentially a count of occupied jobs. The major conceptual differences between the series can be reconciled or explained in part, and a number of the differences in the scope of the surveys can be understood. However, discrepancies which result from variations in sampling techniques, collection, and estimation methodology cannot be readily quantified.

This article continues the Bureau's annual practice of providing an analysis of quantifiable differences between the series and a discussion of some of the major sources—both measurable and unmeasurable—of discrepancies between them.<sup>1</sup>

## Concepts and coverage

The household survey, although based on a smaller sample than the establishment survey, is much more

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comprehensive. It covers all workers 16 years and over, including the self-employed, unpaid family workers, and private household workers in addition to all other wage and salary workers. The count of employment from this survey also includes persons who were "with a job but not at work" during the reference week for the survey, as a result of such factors as bad weather, illness, vacation, industrial disputes, or various personal reasons, whether or not they were paid for their time off.

The establishment survey has no age limitations, but covers only *paid* wage and salary employees and excludes those employed in private households. However, employees who appear on more than one payroll during the reference week are counted separately for each appearance. Such persons are counted only once in the household survey, in the job at which they worked the greatest number of hours.

## Quantifiable differences

Table 1 reconciles, to the extent possible, the annual average levels of nonagricultural employment from the two surveys for the years 1981-83. The reconciliation technique involves a number of adjustments to the estimate of total nonagricultural employment from the household survey to bring it into as close agreement as possible with the concept of nonagricultural payroll employment in the establishment survey. In this process, the following groups are removed from the household series—self-employed workers, unpaid family workers, private household workers, and employees on unpaid absences from their jobs during the reference

<sup>1</sup> Prior analyses of the quantifiable differences between the two series have appeared in the March issues of this publication since 1978. For discussions of the conceptual and definitional differences between the two surveys, see Gloria P. Green, "Comparing Employment Estimates From Household and Payroll Surveys," *Monthly Labor Review*, December 1969, pp. 9-20. Additional information appears in Alexander Korns, "Cyclical Fluctuations in the Difference Between the Payroll and Household Measures of Employment," and "The Difference Between the Payroll and Household Measures of Employment, 1975-79" in the May and December 1979 issues, respectively, of the *Survey of Current Business*, Bureau of Economic Analysis, U.S. Department of Commerce.



**Table 1. Reconciliation of nonagricultural employment estimates from the household and establishment surveys, annual averages, 1981-83**

(In thousands)

Item	1981	1982	1983	Change 1982-83
Payroll series	<u>91,156</u>	<u>89,596</u>	<u>89,978</u>	<u>382</u>
Household series	<u>97,030</u>	<u>96,125</u>	<u>97,450</u>	<u>1,325</u>
Less:				
Self-employed workers	7,097	7,262	7,575	313
Unpaid family workers	390	401	376	-25
Private household workers	1,208	1,207	1,247	40
Unpaid absentees	2,141	2,071	2,051	-20
Equals:				
Nonagricultural wage and salary workers less private household workers and unpaid absentees	86,194	85,184	86,201	1,017
Plus:				
14- and 15-year-olds	535	443	428	-15
Agricultural service workers	385	411	408	-3
Equals:				
Household series adjusted by above factors	<u>87,114</u>	<u>86,038</u>	<u>87,037</u>	<u>999</u>
Difference:				
Payroll series less adjusted household series <sup>1</sup>	4,042	3,558	2,941	-617

<sup>1</sup> As discussed more fully in the text, several factors account for the remaining difference. One of the largest stems from multiple jobholding in the payroll series. Some idea of the size of this factor can be obtained from supplements to the household survey that used to be conducted each May. The

estimated number of persons holding a second nonagricultural wage and salary job was 3.0 million in May 1980, the last date for which these data are available.

week. Conversely, the 14- and 15-year-olds who are employed in nonagricultural wage and salary jobs (excluding private households) and the workers in agricultural services are added to the household series.<sup>2</sup>

After these adjustments were made to take account of the measurable differences in concepts and coverage, the establishment survey estimates exceeded those of the household survey—by 4.0 million in 1981, 3.6 million in 1982, and 2.9 million in 1983. The gap between the two surveys shrank considerably in 1983 as employment from the household survey rebounded from the 1981-82 recession at a more robust pace than was reflected by the counts of payroll employment. As will be discussed later in this article, the establishment survey underestimates employment growth to some extent because new firms that come into existence do not become part of the sample until they are identified in the benchmark process.

The difference that remains after the adjustment of the two series stems from factors such as multiple counting in the payroll survey and undercounting of the population in the household survey. These factors cannot be quantified with any degree of certainty. Both surveys are also subject to sampling and nonsampling errors of various kinds.

<sup>2</sup> Agricultural service workers are classified in agricultural industries in the household survey while, in the establishment survey, they are a subcategory of the services industry. Coverage is limited to those subgroups which are largely nonagricultural in nature, such as veterinary, animal, landscape, and horticultural services. With respect to the age adjustment, data on persons under 14 who may be employed in nonagricultural industries are not collected in the household survey.

### Sources of unquantifiable differences

Workers may be counted more than once in the establishment survey because they may hold two or more jobs at the same time, or they may leave one job and obtain another one during the same reference period and would thus appear on the payroll records of more than one employer. Additionally, multiple counting may result when, for example, a worker is continued on a firm's payroll while being compensated for earned vacation time, even though he or she has left that job and found another.

The extent of double counting in the establishment survey cannot be determined without an independent verification of some sort, such as a matching of payroll records and social security numbers. Multiple jobholding was measured to some degree in the household survey through special annual supplementary surveys.<sup>3</sup> In May 1980, the last time these data were collected, the number of persons 16 years and over who held second jobs as nonagricultural wage and salary workers totaled 3.0 million.

There are, however, several other groups of workers who are outside the scope of the household survey but are counted on establishment payrolls. These include institutionalized individuals working on payroll jobs, whether in or outside the institution, and foreign workers (such as residents of Canada or Mexico) who commute to jobs in the United States. While the number of workers in these groups cannot be quantified, adjustments for these types of differences would further reduce the gap between the two series.

<sup>3</sup> As a result of budget cutbacks, the May supplementary surveys were discontinued after 1980. However, one is currently being planned for May 1985.

Yet another factor contributing to the gap between the two series is the undercount of the population in the decennial censuses and its subsequent effect on all data derived from the household survey. Since the population estimates which underlie the survey findings are projected forward from the most recent census counts, any deficiency in the census data will be reflected in the data from the household survey.

Although the 1980 census appears to have achieved a greater coverage of the population than previous censuses, some undercounting has still undoubtedly occurred.<sup>4</sup> Establishment surveys may have some undercount as well, to the extent that firms are not reporting themselves for tax purposes and are therefore not included on the unemployment insurance rolls from which the establishment sample is drawn.

### Sampling variability

Statistics derived from both the household and establishment surveys are subject to sampling error; that is, estimates of the number of employed persons and other measures provided from these surveys may differ from the values that would be obtained if a complete census were taken using the same concepts, definitions, and survey procedures. In the household survey, the amount of sampling variability can be expressed in terms of standard error. The chances are 68 out of 100 that an estimate will differ by no more than one standard error from the results of a complete census; the chances are 90 out of 100 that an estimate based on the sample will not differ by more than 1.6 times the standard error from the results of a complete census. At this 90-percent level of confidence—the level used by BLS in its analyses—the monthly sampling error for the estimate of nonagricultural wage and salary employment from the household survey is on the order of plus or minus 460,000. (On an annual basis, the error is about 310,000.) As is the case with any survey, the results are also subject to errors of a nonsampling nature, such as response bias, processing mistakes, and other problems.<sup>5</sup>

In the establishment survey, sampling and response errors may accumulate over several months, because the estimating procedure uses the previous month's estimate as the base in computing the current month's level (link-relative technique). Moreover, estimates for the 2 most

current months are based on incomplete returns and are revised when all of the returns in the sample are received. To remove any errors that accumulate over time, the employment estimates are adjusted annually to new benchmarks (comprehensive counts of employment). Typically, benchmark revisions for total nonagricultural employment have been in the neighborhood of 0.4 percent. In addition to increasing the reliability of the sample estimates, the benchmark revisions adjust the estimates for intervening changes in industrial classification and the formation of new establishments. Employment estimates are currently projected from March 1982 benchmark levels, which were introduced in the June 1983 issue of this publication.<sup>6</sup> Employment estimates adjusted to the March 1983 benchmark will appear in the June 1984 issue. Approximations of the standard errors for the household survey data and measures of the reliability of the establishment survey data, including the actual amounts of revisions due to benchmark adjustments, are provided in the Explanatory Notes of this publication.

### Cyclical variations

The household and payroll employment estimates also differ in their responses to the movements of the business cycle.<sup>7</sup> Nonagricultural payroll employment fell 3.0 percent in the 1981-82 recession, compared with a 2.4-percent decline in the household employment series adjusted to payroll concepts. In the 15 months since the end of the recession (from November 1982 to February 1984), employment from the payroll survey has increased by 3.5 million or 3.9 percent, while the household employment total has risen at a somewhat faster rate, by 5.0 million or 5.2 percent. After adjustments are made to make the household series more comparable to the payroll concepts, the increase in the household employment series is reduced by 320,000 to 4.6 million.

One factor that explains some of the difference in the growth of these series is simply the greater volatility of the employment estimates from the household survey. Employment data from the household survey tend to show greater variability in terms of monthly changes than the payroll employment data. Therefore, the choice of the month used in making a comparison can have a significant impact on the difference in the growth of the two series. In addition, the difficulties involved in seasonally adjusting the two data series may contribute to their differences.

One of the unmeasurable factors contributing to the difference in the growth of the two series is the difficulty

<sup>4</sup> For a discussion of issues concerning the undercount in the 1980 census, see Jeffrey S. Passel, Jacob S. Siegel, and J. Gregory Robinson, "Coverage of the National Population in the 1980 Census, by Age, Sex, and Race: Preliminary Estimates by Demographic Analysis," *Current Population Reports*, Series P-23 No. 115 (Bureau of the Census, February 1982).

<sup>5</sup> For a comprehensive discussion of the potential sources of non-sampling error in the household survey, see Camilla Brooks and Barbara Bailar, "An Error Profile: Employment as Measured by the Current Population Survey," *Statistical Working Paper 3* (Office of Federal Statistical Policy and Standards, U.S. Department of Commerce, 1978).

<sup>6</sup> See John B. Farrell, "BLS Establishment Estimates Revised to March 1982 Benchmarks," *Employment and Earnings*, June 1983, pp. 6-21.

<sup>7</sup> For a comprehensive discussion of the differences in the cyclical behavior of the employment estimates from the two surveys, see Korns, "Cyclical Fluctuations."

of the payroll series in picking up employees of new firms. The reason for this is that the sample of establishments from which the payroll employment survey data are collected is drawn from the universe of firms on the tax rolls for unemployment insurance purposes. Because there can be some time delay between the birth of new firms and their appearance on the tax rolls, they will not be represented in the sample of establishments drawn from these rolls until a benchmark adjustment is made. Bias adjustment factors are used in the payroll survey in an attempt to compensate for this problem. But because the bias factors are com-

puted on the basis of past experience, they may understate the growth of new firms particularly during an expansionary period.<sup>8</sup>

The difference in the growth of employment in the two surveys will be reduced when future benchmark adjustments are made in that survey. The exact amount of the adjustment for 1983 and early 1984 will not be known until the March 1984 benchmark is introduced in mid-1985.

<sup>8</sup> See Farrell, "BLS Establishment Estimates," pp. 7-8.

**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	47,617	
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	74,296	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>												
February .....	175,169	112,352	64.1	100,836	1,664	99,172	3,415	95,757	11,516	10.2	62,817	
March .....	175,320	112,399	64.1	100,980	1,664	99,316	3,386	95,930	11,419	10.2	62,921	
April .....	175,465	112,646	64.2	101,277	1,671	99,606	3,392	96,214	11,369	10.1	62,819	
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	

<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	16,956	
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>												
February .....	83,720	64,077	76.5	57,321	1,528	55,793	2,699	53,094	6,756	10.5	19,643	
March .....	83,789	64,096	76.5	57,423	1,528	55,895	2,695	53,200	6,673	10.4	19,693	
April .....	83,856	64,311	76.7	57,589	1,530	56,059	2,707	53,352	6,722	10.5	19,545	
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	58,369	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	2,762	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	
<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	34,067	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	669	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 .....	90,867	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>												
February .....	91,449	48,275	52.8	43,515	136	43,379	716	42,663	4,760	9.9	43,174	
March .....	91,532	48,303	52.8	43,557	136	43,421	691	42,730	4,746	9.8	43,229	
April .....	91,609	48,335	52.8	43,688	141	43,547	685	42,862	4,647	9.6	43,274	
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	48,849	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	

<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>								
February .....	173,505	110,688	63.8	99,172	11,516	10.4	10.8	9.9
March .....	173,656	110,735	63.6	99,316	11,419	10.3	10.7	9.9
April .....	173,794	110,975	63.9	99,606	11,369	10.2	10.7	9.6
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

<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.

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

(Numbers in thousands)

Age, sex, and race	February 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 .....	175,879	111,388	63.4	101,961	9,407	8.4	64,311	31,680	10,269	2,612	19,751
16 to 19 years .....	14,931	7,181	48.1	5,693	1,488	20.7	7,750	467	6,706	21	556
16 to 17 years .....	7,247	2,533	34.9	1,935	597	23.6	4,714	97	4,430	4	183
18 to 19 years .....	7,684	4,648	60.5	3,758	891	18.2	3,036	371	2,275	18	372
20 to 24 years .....	20,776	15,633	75.2	13,627	2,006	12.8	5,143	1,987	2,422	53	681
25 to 54 years .....	91,690	73,887	80.4	68,515	5,172	7.0	18,004	13,433	1,103	855	2,614
25 to 34 years .....	39,714	32,319	81.4	29,491	2,828	8.8	7,395	5,421	824	205	945
25 to 29 years .....	20,776	16,864	81.2	15,235	1,629	9.7	3,912	2,748	563	80	521
30 to 34 years .....	18,938	15,455	81.6	14,256	1,200	7.8	3,484	2,673	260	125	425
35 to 44 years .....	29,773	24,525	82.4	23,093	1,432	5.8	5,248	4,154	212	224	658
35 to 39 years .....	16,452	13,587	82.5	12,751	816	6.0	2,685	2,319	122	91	358
40 to 44 years .....	13,320	10,958	82.3	10,342	617	5.6	2,363	1,841	90	133	300
45 to 54 years .....	22,204	16,843	75.9	15,931	911	5.4	5,361	3,856	66	427	1,012
45 to 49 years .....	11,225	8,832	78.7	8,338	494	5.6	2,393	1,767	38	174	413
50 to 54 years .....	10,979	8,010	73.0	7,594	417	5.2	2,968	2,089	29	253	599
55 to 64 years .....	22,052	11,959	54.2	11,314	645	5.4	10,093	5,554	25	718	3,796
55 to 59 years .....	11,390	7,282	64.3	6,883	399	5.5	4,048	2,514	15	367	1,152
60 to 64 years .....	10,722	4,877	43.6	4,431	245	5.2	6,045	3,040	10	352	2,644
65 years and over .....	26,229	2,908	11.1	2,812	96	3.3	23,321	10,240	13	964	12,104
65 to 89 years .....	8,941	1,733	19.4	1,665	67	3.9	7,209	3,228	5	247	3,727
70 years and over .....	17,288	1,175	6.8	1,146	29	2.5	16,112	7,011	8	717	8,377
<b>Men</b>											
16 years and over .....	83,271	82,663	75.3	57,089	5,574	8.9	20,608	431	5,339	1,521	13,317
16 to 19 years .....	7,485	3,699	49.4	2,868	831	22.5	3,786	11	3,470	8	296
16 to 17 years .....	3,679	1,303	35.4	981	322	24.7	2,376	7	2,274	1	94
18 to 19 years .....	3,805	2,396	63.0	1,887	509	21.2	1,409	4	1,196	7	202
20 to 24 years .....	10,148	8,398	82.2	7,149	1,188	14.3	1,810	12	1,332	41	426
25 to 54 years .....	44,641	41,821	93.7	38,739	3,083	7.4	2,820	107	533	596	1,584
25 to 34 years .....	19,447	18,243	93.8	18,529	1,713	9.4	1,205	40	447	145	573
25 to 29 years .....	10,188	9,490	93.2	8,485	1,005	10.6	696	14	315	56	311
30 to 34 years .....	9,261	8,753	94.5	8,044	709	8.1	509	25	132	89	262
35 to 44 years .....	14,482	13,841	95.6	13,011	829	6.0	642	40	67	168	367
35 to 39 years .....	8,008	7,666	95.7	7,207	459	6.0	342	20	43	71	209
40 to 44 years .....	6,474	6,175	95.4	5,804	371	6.0	300	21	24	97	158
45 to 54 years .....	10,712	9,738	90.9	9,198	540	5.5	974	27	19	283	645
45 to 49 years .....	5,441	5,053	92.9	4,788	285	5.6	388	7	13	112	255
50 to 54 years .....	5,271	4,685	88.9	4,431	254	5.4	586	19	6	171	390
55 to 64 years .....	10,285	7,047	68.5	6,626	420	6.0	3,238	66	3	458	2,712
55 to 59 years .....	5,336	4,272	80.1	4,021	251	5.9	1,064	19	1	242	802
60 to 64 years .....	4,949	2,775	56.1	2,606	169	6.1	2,174	46	2	216	1,910
65 years and over .....	10,712	1,758	18.4	1,706	52	3.0	8,954	235	2	417	8,299
65 to 89 years .....	3,984	1,012	25.4	984	27	2.7	2,973	63	1	139	2,769
70 years and over .....	6,728	746	11.1	721	25	3.3	5,981	172	1	278	5,530
<b>Women</b>											
16 years and over .....	92,408	48,705	52.7	44,872	3,833	7.9	43,703	31,250	4,929	1,091	6,434
16 to 19 years .....	7,446	3,482	46.8	2,824	657	18.9	3,964	456	3,236	13	260
16 to 17 years .....	3,567	1,229	34.5	954	276	22.4	2,338	89	2,157	3	89
18 to 19 years .....	3,879	2,252	58.1	1,871	382	16.9	1,627	367	1,079	10	170
20 to 24 years .....	10,628	7,295	68.6	6,477	818	11.2	3,333	1,976	1,090	11	255
25 to 54 years .....	47,049	31,865	67.7	29,775	2,090	6.6	15,184	13,326	570	259	1,030
25 to 34 years .....	20,267	14,077	69.5	12,962	1,115	7.9	6,190	5,381	377	60	372
25 to 29 years .....	10,590	7,374	69.6	6,750	624	8.5	3,216	2,734	248	24	210
30 to 34 years .....	9,677	6,702	69.3	6,212	491	7.3	2,975	2,648	128	36	163
35 to 44 years .....	15,290	10,684	69.9	10,081	603	5.6	4,606	4,114	145	56	291
35 to 39 years .....	8,444	5,901	69.9	5,544	357	6.1	2,543	2,294	79	20	149
40 to 44 years .....	6,846	4,763	69.9	4,538	246	5.1	2,063	1,820	66	36	142
45 to 54 years .....	11,492	7,104	61.8	6,733	372	5.2	4,388	3,830	48	144	367
45 to 49 years .....	5,764	3,779	65.3	3,570	209	5.5	2,005	1,760	25	62	156
50 to 54 years .....	5,708	3,325	58.3	3,163	163	4.9	2,382	2,070	23	82	209
55 to 64 years .....	11,767	4,912	41.7	4,868	224	4.6	6,855	5,489	22	260	1,084
55 to 59 years .....	5,994	3,011	50.2	2,663	148	4.9	2,983	2,494	14	125	350
60 to 64 years .....	5,773	1,902	32.9	1,825	76	4.0	3,872	2,994	8	136	734
65 years and over .....	15,517	1,150	7.4	1,107	44	3.8	14,367	10,004	11	547	3,805
65 to 89 years .....	4,957	721	14.5	681	40	5.5	4,236	3,165	4	108	858
70 years and over .....	10,560	429	4.1	425	4	1.0	10,131	6,839	7	439	2,847

**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	February 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 .....	152,079	96,971	63.8	89,724	7,248	7.5	55,108	27,886	7,958	2,078	17,186
16 to 19 years .....	12,319	6,378	51.8	5,202	1,176	18.4	5,941	357	5,172	13	398
16 to 17 years .....	5,955	2,320	38.9	1,804	515	22.2	3,636	84	3,401	3	148
18 to 19 years .....	6,363	4,058	63.8	3,397	661	16.3	2,305	273	1,771	10	251
20 to 24 years .....	17,403	13,452	77.3	12,027	1,425	10.6	3,951	1,549	1,924	42	435
25 to 54 years .....	78,943	63,781	80.8	59,749	4,031	6.3	15,160	11,641	827	642	2,052
25 to 34 years .....	33,767	27,701	82.0	25,582	2,140	7.7	6,066	4,601	605	161	700
25 to 29 years .....	17,621	14,455	82.0	13,216	1,238	8.6	3,166	2,306	421	59	382
30 to 34 years .....	16,146	13,246	82.0	12,345	900	6.8	2,899	2,295	184	103	318
35 to 44 years .....	25,798	21,311	82.6	20,181	1,130	5.3	4,487	3,643	173	164	508
35 to 39 years .....	14,254	11,782	82.7	11,154	628	7.8	2,473	2,036	96	67	279
40 to 44 years .....	11,545	9,530	82.5	9,027	502	5.3	2,015	1,616	76	96	230
45 to 54 years .....	19,376	14,789	76.2	14,007	762	5.2	4,608	3,397	49	317	844
45 to 49 years .....	9,733	7,713	79.2	7,309	403	5.2	2,021	1,540	28	123	339
50 to 54 years .....	9,642	7,055	73.2	6,697	358	5.7	2,587	1,879	22	194	505
55 to 64 years .....	19,696	10,727	54.5	10,188	539	5.0	8,968	5,017	23	569	3,360
55 to 59 years .....	10,077	6,529	64.8	6,205	324	5.0	3,548	2,245	14	282	1,006
60 to 64 years .....	9,619	4,198	43.6	3,983	215	5.1	5,421	2,772	8	287	2,354
65 years and over .....	23,720	2,633	11.1	2,557	76	2.9	21,087	9,322	12	812	10,941
65 to 69 years .....	8,071	1,575	19.5	1,521	54	3.4	6,495	2,923	5	202	3,365
70 years and over .....	15,649	1,057	6.8	1,035	22	2.1	14,591	6,399	7	610	7,576
<b>Men</b>											
16 years and over .....	72,594	55,189	76.0	50,796	4,393	8.0	17,405	352	4,187	1,230	11,636
16 to 19 years .....	6,203	3,273	52.8	2,630	643	19.6	2,930	10	2,718	6	195
16 to 17 years .....	3,039	1,189	39.1	913	276	23.2	1,850	8	1,771	1	70
18 to 19 years .....	3,163	2,084	65.9	1,717	367	17.6	1,079	2	947	5	125
20 to 24 years .....	8,567	7,184	83.9	6,316	868	12.1	1,383	10	1,076	34	264
25 to 54 years .....	38,876	36,717	94.4	34,227	2,489	6.8	2,158	85	387	467	1,221
25 to 34 years .....	16,752	15,875	94.8	14,523	1,352	8.5	877	31	328	111	407
25 to 29 years .....	8,753	8,248	94.2	7,442	806	9.8	504	11	241	38	215
30 to 34 years .....	7,999	7,626	95.3	7,081	545	7.2	372	20	88	73	192
35 to 44 years .....	12,687	12,213	96.3	11,530	683	5.6	474	29	47	129	268
35 to 39 years .....	6,999	6,757	96.5	6,385	372	5.5	243	12	28	55	148
40 to 44 years .....	5,688	5,457	95.9	5,146	311	5.7	231	17	19	74	120
45 to 54 years .....	9,437	8,628	91.4	8,174	454	5.3	808	24	12	226	546
45 to 49 years .....	4,767	4,457	93.5	4,220	237	5.3	310	5	8	80	217
50 to 54 years .....	4,669	4,171	89.3	3,954	217	5.2	498	19	4	146	329
55 to 64 years .....	9,259	6,423	69.4	6,069	354	5.5	2,835	50	4	368	2,414
55 to 59 years .....	4,794	3,698	81.3	3,688	211	5.4	896	12	1	186	696
60 to 64 years .....	4,485	2,525	56.6	2,382	143	5.7	1,940	38	3	181	1,717
65 years and over .....	9,690	1,592	16.4	1,553	39	2.4	8,099	198	1	356	7,543
65 to 69 years .....	3,616	925	25.6	905	20	2.2	2,690	52	-	117	2,521
70 years and over .....	6,075	666	11.0	647	19	2.8	5,408	145	1	240	5,022
<b>Women</b>											
16 years and over .....	79,485	41,783	52.6	38,928	2,855	6.8	37,702	27,534	3,771	847	5,550
16 to 19 years .....	6,116	3,105	50.8	2,572	533	17.2	3,011	347	2,454	7	203
16 to 17 years .....	2,916	1,131	38.8	892	239	21.1	1,786	77	1,630	2	78
18 to 19 years .....	3,200	1,974	61.7	1,680	294	14.9	1,226	271	824	5	126
20 to 24 years .....	8,836	6,268	70.9	5,711	557	8.9	2,568	1,539	848	9	172
25 to 54 years .....	40,067	27,064	67.5	25,522	1,542	5.7	13,002	11,556	440	175	831
25 to 34 years .....	17,015	11,826	69.5	11,038	788	6.7	5,189	4,570	276	50	293
25 to 29 years .....	8,868	6,207	70.0	5,774	432	7.0	2,662	2,295	180	21	167
30 to 34 years .....	8,147	5,620	69.0	5,264	355	6.3	2,527	2,275	96	30	126
35 to 44 years .....	13,112	9,098	69.4	8,651	447	4.9	4,014	3,614	126	34	240
35 to 39 years .....	7,255	5,025	69.3	4,769	256	5.1	2,230	2,018	68	12	131
40 to 44 years .....	5,857	4,073	69.5	3,881	191	4.7	1,784	1,596	57	22	110
45 to 54 years .....	9,940	6,140	61.8	5,833	308	5.0	3,799	3,372	38	91	298
45 to 49 years .....	4,966	3,256	65.8	3,089	166	5.1	1,711	1,525	20	43	122
50 to 54 years .....	4,973	2,884	58.0	2,743	141	4.9	2,089	1,847	18	48	176
55 to 64 years .....	10,437	4,304	41.2	4,119	185	4.3	6,133	4,967	18	201	946
55 to 59 years .....	5,283	2,631	49.8	2,517	114	4.3	2,652	2,233	13	96	310
60 to 64 years .....	5,154	1,673	32.5	1,602	71	4.3	3,481	2,734	5	106	636
65 years and over .....	14,029	1,042	7.4	1,004	37	3.6	12,988	9,124	11	455	3,398
65 to 69 years .....	4,455	650	14.6	616	34	5.2	3,805	2,871	5	85	844
70 years and over .....	9,574	391	4.1	388	3	.8	9,183	6,254	6	370	2,554



**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	February 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 .....	19,222	11,655	60.6	9,752	1,904	16.3	7,567	3,119	1,768	480	2,198
16 to 19 years .....	2,187	669	30.6	384	285	42.6	1,519	101	1,267	8	143
16 to 17 years .....	1,067	171	18.0	94	76	44.8	897	10	855	1	31
18 to 19 years .....	1,120	498	44.5	290	208	41.8	622	91	413	7	111
20 to 24 years .....	2,776	1,807	65.1	1,278	529	29.3	969	372	357	10	230
25 to 54 years .....	10,119	7,931	78.4	6,950	981	12.4	2,189	1,387	143	188	468
25 to 34 years .....	4,731	3,761	79.5	3,154	607	16.1	970	602	123	37	207
25 to 29 years .....	2,536	1,978	78.0	1,630	348	17.6	558	336	81	20	121
30 to 34 years .....	2,195	1,783	81.2	1,524	259	14.5	412	266	42	17	87
35 to 44 years .....	3,108	2,513	80.9	2,262	251	10.0	595	408	15	49	123
35 to 39 years .....	1,718	1,404	81.7	1,233	171	12.2	314	222	9	17	66
40 to 44 years .....	1,390	1,109	79.8	1,029	80	7.2	281	187	4	32	57
45 to 54 years .....	2,280	1,657	72.7	1,535	123	7.4	823	377	5	102	138
45 to 49 years .....	1,183	872	73.7	801	72	8.3	312	191	5	47	68
50 to 54 years .....	1,096	786	71.7	734	51	6.5	312	186	-	58	70
55 to 64 years .....	1,975	1,026	52.0	933	93	9.0	949	440	1	132	375
55 to 59 years .....	1,047	638	61.0	572	66	10.4	408	213	-	73	122
60 to 64 years .....	928	388	41.8	361	27	6.9	540	227	1	59	253
65 years and over .....	2,165	223	10.3	207	16	7.0	1,943	819	-	142	982
65 to 69 years .....	734	129	17.6	116	13	10.1	605	266	-	40	300
70 years and over .....	1,431	94	6.6	91	3	3.2	1,338	554	1	101	682
<b>Men</b>											
16 years and over .....	8,596	5,983	69.6	4,952	1,032	17.2	2,613	69	854	254	1,435
16 to 19 years .....	1,068	353	33.1	182	171	48.4	716	2	621	2	91
16 to 17 years .....	530	97	18.4	54	43	44.3	433	-	411	-	22
18 to 19 years .....	539	256	47.4	128	128	50.0	283	2	211	2	68
20 to 24 years .....	1,286	954	74.2	663	291	30.5	332	-	172	7	154
25 to 54 years .....	4,527	4,029	89.0	3,526	504	12.5	498	19	63	115	300
25 to 34 years .....	2,134	1,903	89.2	1,587	316	16.6	231	8	53	29	141
25 to 29 years .....	1,148	1,011	88.1	836	175	17.3	137	2	35	17	83
30 to 34 years .....	986	892	90.5	751	141	15.8	94	6	18	12	58
35 to 44 years .....	1,384	1,254	90.8	1,133	121	9.7	130	9	8	32	81
35 to 39 years .....	767	697	90.8	618	79	11.3	70	7	5	11	48
40 to 44 years .....	617	557	90.3	515	42	7.6	60	3	2	21	33
45 to 54 years .....	1,009	873	86.5	806	67	7.7	137	2	2	54	78
45 to 49 years .....	526	458	87.1	421	38	8.2	68	2	2	30	34
50 to 54 years .....	483	415	85.8	385	29	7.1	69	-	-	25	44
55 to 64 years .....	859	516	60.1	460	56	10.9	342	16	-	75	253
55 to 59 years .....	455	313	68.8	280	33	10.6	142	8	-	48	88
60 to 64 years .....	404	203	50.4	180	23	11.3	200	8	-	30	164
65 years and over .....	856	130	15.2	121	10	7.3	726	34	-	55	637
65 to 69 years .....	307	69	22.5	62	7	( <sup>1</sup> )	238	11	-	19	208
70 years and over .....	549	61	11.1	59	2	( <sup>1</sup> )	488	24	-	35	429
<b>Women</b>											
16 years and over .....	10,626	5,672	53.4	4,800	872	15.4	4,954	3,050	914	225	764
16 to 19 years .....	1,119	316	28.2	202	114	36.1	803	99	646	6	52
16 to 17 years .....	537	73	13.6	40	33	45.5	464	10	444	1	9
18 to 19 years .....	581	243	41.7	162	81	33.3	339	89	202	5	43
20 to 24 years .....	1,490	853	57.2	614	238	28.0	637	374	185	3	76
25 to 54 years .....	5,592	3,902	69.8	3,424	477	12.2	1,691	1,368	80	73	168
25 to 34 years .....	2,597	1,858	71.5	1,567	291	15.7	739	594	70	8	66
25 to 29 years .....	1,388	967	69.7	794	173	17.9	421	334	46	3	36
30 to 34 years .....	1,209	891	73.7	773	118	13.2	318	260	24	5	29
35 to 44 years .....	1,724	1,259	73.0	1,129	130	10.4	465	399	7	17	42
35 to 39 years .....	951	707	74.4	615	92	13.0	244	215	4	6	18
40 to 44 years .....	773	552	71.4	514	38	6.9	221	184	2	11	24
45 to 54 years .....	1,271	784	61.7	729	56	7.1	486	375	3	48	60
45 to 49 years .....	657	414	62.9	380	34	8.1	244	189	3	17	34
50 to 54 years .....	613	371	60.5	349	22	6.0	243	186	-	31	26
55 to 64 years .....	1,116	510	45.7	473	37	7.2	606	424	3	57	122
55 to 59 years .....	592	325	55.0	293	33	10.1	266	206	-	27	34
60 to 64 years .....	524	184	35.2	181	4	2.0	340	219	3	29	89
65 years and over .....	1,309	92	7.1	86	6	6.6	1,217	785	-	67	345
65 to 69 years .....	427	60	13.9	54	6	( <sup>1</sup> )	367	255	-	21	92
70 years and over .....	882	33	3.7	32	1	( <sup>1</sup> )	850	530	1	66	253

<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	February 1984								Not in labor force	
	Civilian noninstitutional population	Civilian labor force						Percent of labor force		
		Total	Percent of population	Employed			Unemployed			
				Total	Agriculture	Nonagricultural industries	Number			
<b>TOTAL</b>										
16 years and over .....	23,600	14,397	61.0	12,237	268	11,969	2,159	15.0	9,204	
16 to 19 years .....	2,612	803	30.7	491	5	486	312	38.8	1,809	
16 to 17 years .....	1,291	213	16.5	131	-	133	82	38.6	1,078	
18 to 19 years .....	1,321	590	44.7	360	7	353	230	38.9	731	
20 to 24 years .....	3,373	2,181	64.6	1,599	17	1,582	582	26.7	1,193	
25 to 54 years .....	12,749	9,907	77.7	8,765	197	8,568	1,141	11.5	2,843	
25 to 34 years .....	5,947	4,618	77.7	3,929	76	3,853	689	14.9	1,329	
25 to 29 years .....	3,154	2,408	76.3	2,019	26	1,991	391	16.2	746	
30 to 34 years .....	2,793	1,198	42.9	1,911	50	1,861	298	24.9	583	
35 to 44 years .....	3,974	3,214	80.9	2,912	58	2,853	302	9.4	760	
35 to 39 years .....	2,199	1,785	81.2	1,598	30	1,568	188	10.5	413	
40 to 44 years .....	1,776	1,429	80.5	1,315	28	1,287	115	8.0	348	
45 to 54 years .....	2,828	2,074	73.3	1,924	63	1,862	150	7.2	754	
45 to 49 years .....	1,491	1,119	75.1	1,029	36	992	91	8.1	373	
50 to 54 years .....	1,336	955	71.5	897	26	870	58	6.1	382	
55 to 64 years .....	2,356	1,232	52.3	1,126	31	1,095	106	8.6	1,125	
55 to 59 years .....	1,253	753	80.1	678	21	657	75	9.9	500	
60 to 64 years .....	1,103	479	43.4	448	10	438	31	6.4	625	
65 years and over .....	2,509	275	11.0	255	18	238	20	7.2	2,234	
65 to 69 years .....	871	157	18.0	144	7	138	13	8.3	713	
70 years and over .....	1,639	118	7.2	111	12	100	9	7.6	1,521	
<b>Men</b>										
16 years and over .....	10,677	7,474	70.0	6,293	243	6,050	1,181	15.8	3,203	
16 to 19 years .....	1,282	426	33.2	238	4	235	188	44.1	856	
16 to 17 years .....	840	114	17.8	68	-	70	46	40.0	526	
18 to 19 years .....	642	312	48.6	170	5	164	142	45.6	330	
20 to 24 years .....	1,581	1,154	73.0	833	14	820	320	27.8	427	
25 to 54 years .....	5,766	5,105	88.5	4,511	182	4,329	594	11.6	661	
25 to 34 years .....	2,696	2,368	87.8	2,006	87	1,939	362	15.3	328	
25 to 29 years .....	1,433	1,241	86.6	1,043	22	1,020	199	16.0	192	
30 to 34 years .....	1,263	1,127	89.2	963	45	919	163	14.5	136	
35 to 44 years .....	1,795	1,627	90.8	1,481	56	1,425	146	9.0	168	
35 to 39 years .....	1,009	909	90.1	823	29	793	87	9.5	99	
40 to 44 years .....	787	718	91.3	659	27	631	60	8.3	69	
45 to 54 years .....	1,275	1,110	87.0	1,024	59	965	86	7.7	166	
45 to 49 years .....	673	598	88.5	548	36	511	48	8.1	78	
50 to 54 years .....	802	514	64.1	477	22	454	37	7.3	88	
55 to 64 years .....	1,026	623	60.7	557	27	530	66	10.6	403	
55 to 59 years .....	542	373	68.9	339	18	315	40	10.8	169	
60 to 64 years .....	484	250	51.6	224	9	215	26	10.3	234	
65 years and over .....	1,022	166	16.3	153	16	137	13	8.0	855	
65 to 69 years .....	389	86	23.4	79	6	74	7	8.4	282	
70 years and over .....	653	80	12.2	74	11	63	6	7.6	573	
<b>Women</b>										
16 years and over .....	12,923	6,923	53.6	5,944	25	5,919	978	14.1	6,001	
16 to 19 years .....	1,330	377	28.3	253	2	251	124	32.9	953	
16 to 17 years .....	651	99	15.2	62	-	62	37	37.0	552	
18 to 19 years .....	679	276	40.9	191	2	189	88	31.5	401	
20 to 24 years .....	1,793	1,027	57.3	766	3	763	261	25.4	765	
25 to 54 years .....	6,983	4,802	68.8	4,254	15	4,239	547	11.4	2,182	
25 to 34 years .....	3,252	2,250	69.2	1,923	9	1,914	327	14.5	1,001	
25 to 29 years .....	1,721	1,167	67.8	976	4	971	192	16.4	554	
30 to 34 years .....	1,530	1,063	70.8	948	5	942	135	12.5	447	
35 to 44 years .....	2,179	1,587	72.8	1,431	2	1,429	156	9.8	592	
35 to 39 years .....	1,190	876	73.6	775	1	773	101	11.6	314	
40 to 44 years .....	989	711	71.8	656	1	656	55	7.7	279	
45 to 54 years .....	1,552	964	62.1	900	4	896	64	6.6	588	
45 to 49 years .....	816	523	64.0	481	-	481	43	8.2	295	
50 to 54 years .....	734	441	60.0	420	4	416	21	4.8	294	
55 to 64 years .....	1,330	608	45.7	569	3	565	39	6.5	722	
55 to 59 years .....	711	379	53.4	345	2	343	34	9.1	331	
60 to 64 years .....	619	229	36.9	224	1	223	5	2.2	390	
65 years and over .....	1,488	109	7.3	102	1	101	6	6.0	1,379	
65 to 69 years .....	502	71	14.1	65	1	64	6	( <sup>1</sup> )	431	
70 years and over .....	986	38	3.9	37	1	37	1	( <sup>1</sup> )	948	

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

**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	
	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984
<b>TOTAL</b>								
Civilian noninstitutional population .....	173,505	175,679	74,434	75,786	83,593	84,962	15,478	14,931
Civilian labor force .....	109,647	111,368	58,083	58,964	44,219	45,223	7,345	7,181
Percent of population .....	63.2	63.4	78.0	77.8	52.9	53.2	47.5	48.1
Employed .....	97,265	101,961	51,506	54,220	40,219	42,048	5,539	5,693
Agriculture .....	2,865	2,857	2,153	2,156	506	509	207	192
Nonagricultural industries .....	94,399	99,104	49,353	52,064	39,713	41,539	5,333	5,501
Unemployed .....	12,382	9,407	6,577	4,743	4,000	3,176	1,805	1,488
Unemployment rate .....	11.3	8.4	11.3	8.0	9.0	7.0	24.6	20.7
Not in labor force .....	63,858	64,311	16,351	16,823	39,374	39,739	8,133	7,750
<b>White</b>								
Civilian noninstitutional population .....	150,187	152,079	65,173	66,391	72,195	73,369	12,819	12,319
Civilian labor force .....	95,368	96,971	51,138	51,916	37,687	38,678	6,544	6,378
Percent of population .....	63.5	63.8	78.5	78.2	52.2	52.7	51.0	51.8
Employed .....	85,619	89,724	45,842	48,166	34,695	36,356	5,082	5,202
Agriculture .....	2,609	2,589	1,941	1,916	475	486	194	187
Nonagricultural industries .....	83,009	87,135	43,901	46,249	34,220	35,870	4,888	5,015
Unemployed .....	9,749	7,248	5,296	3,750	2,991	2,322	1,462	1,176
Unemployment rate .....	10.2	7.5	10.4	7.2	7.9	6.0	22.3	18.4
Not in labor force .....	54,819	55,108	14,035	14,476	34,509	34,691	6,275	5,941
<b>Black</b>								
Civilian noninstitutional population .....	18,796	19,222	7,288	7,528	9,260	9,507	2,248	2,187
Civilian labor force .....	11,366	11,655	5,420	5,630	5,290	5,356	656	669
Percent of population .....	60.5	60.6	74.4	74.8	57.1	56.3	29.2	30.6
Employed .....	9,076	9,752	4,317	4,770	4,410	4,598	349	384
Agriculture .....	192	201	161	182	20	15	10	4
Nonagricultural industries .....	8,884	9,551	4,155	4,588	4,390	4,583	339	380
Unemployed .....	2,290	1,904	1,103	860	880	758	306	285
Unemployment rate .....	20.1	16.3	20.4	15.3	16.6	14.2	46.7	42.6
Not in labor force .....	7,430	7,567	1,868	1,897	3,970	4,151	1,592	1,519

**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	February 1984								
	Total			White			Black		
	Both sexes	Men	Women	Both sexes	Men	Women	Both sexes	Men	Women
<b>TOTAL</b>									
Civilian noninstitutional population .....	22,975	11,413	11,562	19,032	9,487	9,545	3,300	1,590	1,710
Civilian labor force .....	12,794	6,625	6,169	11,193	5,785	5,408	1,336	696	641
Percent of population .....	55.7	58.0	53.4	58.8	61.0	56.7	40.5	43.8	37.4
Employed .....	10,503	5,328	5,175	9,473	4,815	4,658	816	398	417
Agriculture .....	301	256	44	286	244	42	8	6	2
Nonagricultural industries .....	10,203	5,072	5,131	9,187	4,570	4,617	807	392	415
Unemployed .....	2,291	1,297	994	1,720	970	750	520	297	223
Looking for full-time work .....	1,407	835	572	994	588	406	382	225	157
Looking for part-time work .....	884	462	422	726	383	343	138	72	67
Percent of labor force .....	17.9	19.6	16.1	15.4	16.8	13.9	39.0	42.7	34.9
Not in labor force .....	10,181	4,788	5,393	7,838	3,702	4,136	1,964	894	1,070
<b>Major activity: Going to school</b>									
Civilian noninstitutional population .....	12,505	6,510	5,995	10,299	5,392	4,907	1,787	905	882
Civilian labor force .....	4,304	2,260	2,044	3,910	2,035	1,875	310	184	126
Percent of population .....	34.4	34.7	34.1	38.0	37.7	38.2	17.3	20.3	14.3
Employed .....	3,491	1,786	1,704	3,253	1,656	1,597	171	100	71
Agriculture .....	90	77	14	90	77	13	-	-	-
Nonagricultural industries .....	3,400	1,710	1,691	3,163	1,579	1,584	171	100	71
Unemployed .....	813	474	340	656	379	277	139	84	55
Looking for full-time work .....	96	75	21	58	43	15	32	25	6
Looking for part-time work .....	718	399	319	598	336	262	107	59	49
Percent of labor force .....	18.9	21.0	16.6	16.8	18.6	14.8	44.9	45.7	43.7
Not in labor force .....	8,201	4,250	3,951	6,389	3,357	3,033	1,477	721	756
<b>Major activity: Other</b>									
Civilian noninstitutional population .....	10,470	4,903	5,567	8,733	4,095	4,637	1,513	684	829
Civilian labor force .....	8,490	4,365	4,125	7,284	3,750	3,534	1,026	511	515
Percent of population .....	81.1	89.0	74.1	83.4	91.6	76.2	67.8	74.8	62.1
Employed .....	7,012	3,542	3,471	6,220	3,159	3,061	645	298	346
Agriculture .....	210	179	31	196	167	29	9	7	2
Nonagricultural industries .....	6,802	3,362	3,440	6,024	2,991	3,032	636	292	344
Unemployed .....	1,477	823	654	1,064	591	473	381	213	168
Looking for full-time work .....	1,311	760	551	936	544	392	350	200	151
Looking for part-time work .....	166	63	103	128	47	81	31	13	18
Percent of labor force .....	17.4	18.9	15.9	14.6	15.8	13.4	37.2	41.7	32.7
Not in labor force .....	1,980	538	1,442	1,449	345	1,104	487	173	314

**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							
	Feb. 1983	Feb. 1984	Total		Employed		Unemployed			
			Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984	Number		Percent of labor force	
							Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984
<b>VETERANS</b>										
Total, 25 years and over .....	8,270	7,912	7,758	7,408	6,868	6,866	890	542	11.5	7.3
25 to 39 years .....	6,542	5,651	6,230	5,428	5,465	4,999	765	429	12.3	7.9
25 to 29 years .....	941	561	890	522	703	460	187	62	21.0	11.9
30 to 34 years .....	2,504	1,891	2,370	1,797	2,058	1,617	312	180	13.2	10.0
35 to 39 years .....	3,097	3,199	2,970	3,109	2,704	2,922	266	187	9.0	6.0
40 years and over .....	1,728	2,261	1,528	1,980	1,403	1,867	125	113	8.2	5.7
<b>NONVETERANS</b>										
Total, 25 to 39 years .....	19,297	20,702	18,203	19,450	16,129	17,849	2,074	1,601	11.4	8.2
25 to 29 years .....	8,496	8,866	7,968	8,261	6,827	7,433	1,141	828	14.3	10.0
30 to 34 years .....	6,462	7,172	6,106	6,772	5,528	6,259	578	513	9.5	7.6
35 to 39 years .....	4,339	4,664	4,129	4,417	3,774	4,157	355	260	8.6	5.9

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	February 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 .....	94,913	81,329	5,824	7,760	8.2	16,455	14,808	1,647	10.0
16 to 19 years .....	3,028	1,721	589	717	23.7	4,153	3,383	771	18.6
16 to 17 years .....	306	144	62	101	32.9	2,226	1,730	497	22.3
18 to 19 years .....	2,721	1,577	527	617	22.7	1,927	1,653	274	14.2
20 years and over .....	91,885	79,608	5,235	7,043	7.7	12,302	11,425	876	7.1
20 to 24 years .....	13,090	9,979	1,344	1,767	13.5	2,543	2,304	239	9.4
25 years and over .....	78,795	69,628	3,891	5,275	6.7	9,759	9,121	637	6.5
25 to 54 years .....	67,010	59,045	3,269	4,697	7.0	6,676	6,201	475	7.1
55 years and over .....	11,785	10,584	622	579	4.9	3,082	2,920	162	5.3
<b>Men, 16 years and over .....</b>	<b>57,281</b>	<b>49,676</b>	<b>2,735</b>	<b>4,869</b>	<b>8.5</b>	<b>5,382</b>	<b>4,677</b>	<b>705</b>	<b>13.1</b>
16 to 19 years .....	1,650	960	268	422	25.6	2,049	1,641	409	19.9
20 years and over .....	55,631	48,716	2,468	4,447	8.0	3,333	3,036	297	8.9
20 to 24 years .....	7,264	5,487	688	1,090	15.0	1,074	975	99	9.2
25 years and over .....	48,366	43,228	1,781	3,357	6.9	2,260	2,062	198	8.8
25 to 54 years .....	40,815	36,377	1,463	2,976	7.3	1,006	899	107	10.6
55 years and over .....	7,551	6,852	318	381	5.0	1,253	1,163	91	7.3
<b>Women, 16 years and over .....</b>	<b>37,632</b>	<b>31,653</b>	<b>3,088</b>	<b>2,891</b>	<b>7.7</b>	<b>11,073</b>	<b>10,131</b>	<b>942</b>	<b>8.5</b>
16 to 19 years .....	1,378	761	321	295	21.4	2,104	1,742	362	17.2
20 years and over .....	36,254	30,892	2,767	2,596	7.2	8,969	8,389	580	6.5
20 to 24 years .....	5,826	4,492	657	678	11.6	1,469	1,329	140	9.6
25 years and over .....	30,429	26,400	2,111	1,918	6.3	7,500	7,061	439	5.9
25 to 54 years .....	26,195	22,668	1,807	1,721	6.6	5,670	5,302	368	6.5
55 years and over .....	4,234	3,732	304	197	4.7	1,830	1,759	71	3.9
<b>White</b>									
<b>Men, 16 years and over .....</b>	<b>50,374</b>	<b>44,265</b>	<b>2,276</b>	<b>3,813</b>	<b>7.6</b>	<b>4,815</b>	<b>4,235</b>	<b>580</b>	<b>12.0</b>
16 to 19 years .....	1,429	890	238	301	21.0	1,844	1,502	342	18.6
20 years and over .....	48,945	43,395	2,037	3,512	7.2	2,971	2,733	238	8.0
20 to 24 years .....	6,223	4,885	543	795	12.8	961	888	73	7.6
25 years and over .....	42,722	38,511	1,494	2,717	6.4	2,010	1,845	165	8.2
25 to 54 years .....	35,843	32,235	1,214	2,394	6.7	874	778	94	10.8
55 years and over .....	6,879	6,275	280	323	4.7	1,137	1,066	70	6.2
<b>Women, 16 years and over .....</b>	<b>31,708</b>	<b>27,080</b>	<b>2,563</b>	<b>2,066</b>	<b>6.5</b>	<b>10,074</b>	<b>9,285</b>	<b>789</b>	<b>7.8</b>
16 to 19 years .....	1,202	703	268	231	19.2	1,903	1,601	303	15.9
20 years and over .....	30,507	26,377	2,294	1,835	6.0	8,171	7,684	486	6.0
20 to 24 years .....	4,956	3,950	557	449	9.1	1,312	1,204	108	8.2
25 years and over .....	25,552	22,427	1,738	1,387	5.4	6,859	6,481	378	5.5
25 to 54 years .....	21,851	19,146	1,479	1,226	5.6	5,214	4,897	317	6.1
55 years and over .....	3,701	3,281	259	161	4.4	1,645	1,584	61	3.7
<b>Black</b>									
<b>Men, 16 years and over .....</b>	<b>5,543</b>	<b>4,226</b>	<b>398</b>	<b>919</b>	<b>16.6</b>	<b>440</b>	<b>328</b>	<b>113</b>	<b>25.6</b>
16 to 19 years .....	185	51	24	110	59.3	168	107	61	36.4
20 years and over .....	5,358	4,175	374	809	15.1	272	221	51	18.9
20 to 24 years .....	878	479	130	268	30.6	76	54	22	29.4
25 years and over .....	4,480	3,696	245	541	12.1	196	167	28	14.3
25 to 54 years .....	3,934	3,228	213	495	12.6	95	85	9	9.5
55 years and over .....	546	468	32	46	8.4	101	82	19	18.8
<b>Women, 16 years and over .....</b>	<b>4,893</b>	<b>3,689</b>	<b>457</b>	<b>747</b>	<b>15.3</b>	<b>779</b>	<b>653</b>	<b>125</b>	<b>16.1</b>
16 to 19 years .....	153	46	46	61	40.0	163	110	53	32.5
20 years and over .....	4,740	3,644	411	686	14.5	616	544	72	11.8
20 to 24 years .....	740	440	87	213	28.7	112	87	26	23.1
25 years and over .....	4,000	3,202	325	452	11.3	503	457	47	9.3
25 to 54 years .....	3,558	2,836	282	439	12.3	343	306	38	11.1
55 years and over .....	442	366	43	13	3.0	160	151	9	5.6

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

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

(Numbers in thousands)

Family relationship	February 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> .....	92,122	63.8	84,257	7,868	8.5	52,348	25,708	9,405	2,005	15,230
Husbands .....	38,946	78.7	36,783	2,164	5.6	10,570	166	231	939	9,234
With employed wife .....	22,386	91.5	21,284	1,102	4.9	2,077	55	136	305	1,582
With unemployed wife .....	1,381	91.8	1,143	238	17.2	123	-	9	17	98
With wife not in labor force .....	15,179	64.5	14,356	824	5.4	8,369	111	86	618	7,554
Wives .....	25,968	52.4	24,464	1,504	5.8	23,548	20,617	354	289	2,288
With employed husband .....	22,427	61.0	21,284	1,143	5.1	14,356	13,273	276	63	743
With unemployed husband .....	1,340	61.9	1,102	238	17.7	824	737	30	20	37
With husband not in labor force .....	2,201	20.8	2,077	123	5.6	8,369	6,607	48	206	1,508
Relatives in married-couple families .....	13,202	59.6	11,178	2,024	15.3	8,952	875	6,461	266	1,350
16 to 19 years .....	4,870	48.3	4,020	850	17.4	5,210	118	4,791	8	293
20 to 24 years .....	5,372	73.5	4,621	750	14.0	1,932	161	1,488	30	252
25 years and over .....	2,960	62.1	2,537	424	14.3	1,810	596	182	228	805
Women who maintain families .....	5,973	60.3	5,315	658	11.0	3,930	2,879	167	190	694
Relatives in families maintained by women .....	5,080	56.5	3,942	1,139	22.4	3,907	799	1,841	219	1,048
16 to 19 years .....	1,269	42.0	879	389	30.7	1,754	80	1,471	11	192
20 to 24 years .....	1,679	71.8	1,293	387	23.0	659	146	314	4	195
25 years and over .....	2,132	58.8	1,770	363	17.0	1,494	573	56	204	661
Men who maintain families .....	1,654	77.1	1,500	154	9.3	492	32	23	40	397
Relatives in families maintained by men .....	1,299	57.8	1,075	225	17.3	949	340	328	62	219
16 to 19 years .....	224	46.1	163	61	27.1	262	17	226	-	18
20 to 24 years .....	424	74.8	356	68	16.1	143	30	79	2	32
25 years and over .....	651	54.4	556	96	14.7	544	293	23	60	169

<sup>1</sup> Excludes persons living alone or with nonrelatives, persons in married-couple families where the husband 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	
	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984
Total, 16 years and over .....	7,632	5,574	12.3	8.9	4,751	3,833	10.0	7.9
Married, spouse present .....	3,406	2,316	8.5	5.7	2,073	1,637	7.9	6.1
Widowed, divorced, or separated .....	945	686	16.6	11.7	1,071	854	11.4	8.9
Single (never married) .....	3,281	2,571	20.5	15.8	1,607	1,343	13.3	10.9
White, 16 years and over .....	6,152	4,393	11.3	8.0	3,597	2,855	8.8	6.8
Married, spouse present .....	2,938	1,993	8.1	5.4	1,783	1,393	7.7	5.8
Widowed, divorced, or separated .....	726	528	15.5	10.9	740	602	9.8	7.8
Single (never married) .....	2,488	1,871	18.4	13.7	1,075	860	10.8	8.4
Black, 16 years and over .....	1,278	1,032	22.1	17.2	1,012	872	18.1	15.4
Married, spouse present .....	377	251	13.0	8.5	218	185	10.4	8.6
Widowed, divorced, or separated .....	197	134	22.1	14.7	297	230	17.7	13.9
Single (never married) .....	705	646	35.3	30.6	497	457	27.3	24.5
Total, 25 years and over .....	4,852	3,555	9.8	7.0	2,926	2,358	7.9	6.2
Married, spouse present .....	3,033	2,127	8.0	5.5	1,622	1,293	6.9	5.4
Widowed, divorced, or separated .....	836	616	15.5	11.1	915	729	10.4	8.1
Single (never married) .....	983	811	15.2	12.0	389	335	8.5	7.0
White, 25 years and over .....	3,953	2,882	9.0	6.4	2,211	1,765	7.1	5.4
Married, spouse present .....	2,596	1,823	7.6	5.3	1,398	1,100	6.7	5.1
Widowed, divorced, or separated .....	629	466	14.3	10.2	614	497	8.7	6.9
Single (never married) .....	728	593	13.5	10.6	199	167	5.6	4.5
Black, 25 years and over .....	765	570	17.2	12.2	613	520	13.9	11.5
Married, spouse present .....	348	239	12.8	8.4	169	141	8.8	7.2
Widowed, divorced, or separated .....	185	126	21.6	14.2	269	213	16.7	13.3
Single (never married) .....	231	203	27.0	21.3	176	165	19.8	17.5



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984
Total, 16 years and over .....	12,382	9,407	11.3	8.4	12.3	8.9	10.0	7.9
Managerial and professional specialty .....	840	684	3.5	2.7	3.5	2.5	3.4	2.9
Executive, administrative, and managerial .....	451	344	4.1	3.0	3.9	2.4	4.6	4.0
Professional specialty .....	389	340	2.9	2.5	3.0	2.6	2.8	2.3
Technical, sales, and administrative support .....	2,390	1,893	7.3	5.6	6.7	4.4	7.6	6.3
Technicians and related support .....	169	113	5.2	3.5	6.6	3.7	3.7	3.3
Sales occupations .....	958	787	7.9	6.2	5.8	4.2	10.1	8.3
Administrative support, including clerical .....	1,264	993	7.3	5.6	8.6	5.3	7.0	5.7
Service occupations .....	1,718	1,456	11.3	9.5	11.3	9.8	11.3	9.3
Private household .....	72	73	7.0	6.8	( <sup>1</sup> )	( <sup>1</sup> )	6.9	6.7
Protective service .....	119	108	6.8	6.1	6.3	5.6	10.2	9.0
Service, except private household and protective .....	1,528	1,276	12.3	10.2	13.0	11.3	11.9	9.6
Precision production, craft, and repair .....	1,972	1,391	14.4	10.0	14.7	10.1	11.2	8.3
Mechanics and repairers .....	441	312	9.7	6.8	9.6	6.7	13.6	8.5
Construction trades .....	1,022	746	20.8	15.3	20.8	15.2	19.2	19.7
Other precision production, craft, and repair .....	509	333	12.0	7.5	12.5	7.6	9.8	7.3
Operators, fabricators, and laborers .....	3,791	2,568	19.9	13.7	20.0	13.9	19.6	13.0
Machine operators, assemblers, and inspectors .....	1,814	1,052	19.6	11.8	19.6	10.8	19.5	13.3
Transportation and material moving occupations .....	819	541	16.8	11.2	17.2	11.7	12.4	6.6
Handlers, equipment cleaners, helpers, and laborers .....	1,158	975	23.6	19.2	23.6	20.0	23.9	14.8
Construction laborers .....	300	298	39.8	33.5	39.4	33.0	( <sup>1</sup> )	( <sup>1</sup> )
Other handlers, equipment cleaners, helpers, and laborers .....	859	677	20.7	16.2	20.1	16.8	23.2	13.5
Farming, forestry, and fishing .....	491	379	14.1	11.5	13.9	11.6	15.2	10.8
No previous work experience .....	1,084	983	-	-	-	-	-	-
16 to 19 years .....	752	643	-	-	-	-	-	-
20 to 24 years .....	210	232	-	-	-	-	-	-
25 years and over .....	122	108	-	-	-	-	-	-

<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	
	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984
Total, 16 years and over .....	12,382	9,407	11.3	8.4	12.3	8.9	10.0	7.9
Nonagricultural private wage and salary workers .....	9,735	7,189	12.1	8.7	13.4	9.5	10.3	7.8
Mining .....	236	144	21.5	13.8	22.8	15.9	13.1	3.0
Construction .....	1,399	1,183	27.3	21.1	28.4	21.9	15.1	11.8
Manufacturing .....	3,151	1,818	14.3	8.3	13.9	7.7	15.2	9.6
Durable goods .....	2,030	1,034	15.8	8.1	16.0	8.1	15.2	8.0
Lumber and wood products .....	133	98	19.3	14.0	18.0	13.7	26.5	15.2
Furniture and fixtures .....	85	47	18.3	8.4	17.4	9.2	20.9	6.7
Stone, clay, and glass products .....	96	61	15.6	10.0	15.5	11.6	15.9	5.1
Primary metal industries .....	260	127	24.7	13.4	25.4	13.5	19.4	13.3
Fabricated metal products .....	231	113	16.7	8.5	17.2	8.3	15.1	9.4
Machinery, except electrical .....	445	184	15.9	6.9	16.8	6.4	12.7	8.4
Electrical machinery, equipment, and supplies .....	263	132	11.5	5.8	9.4	5.9	14.4	5.7
Transportation equipment .....	376	182	15.7	7.1	15.7	6.6	15.9	9.2
Automobiles .....	223	105	19.7	8.2	18.4	7.1	25.7	12.5
Other transportation equipment .....	153	77	12.1	6.0	13.2	6.0	8.1	6.1
Professional and photographic equipment .....	60	39	9.1	6.0	6.6	4.0	12.9	8.7
Other durable goods industries .....	81	51	14.8	9.4	14.8	10.6	15.2	8.2
Nondurable goods .....	1,121	784	12.3	8.7	10.1	7.0	15.2	11.1
Food and kindred products .....	324	227	16.8	12.7	12.9	10.0	24.7	18.1
Textile mill products .....	108	82	12.7	9.7	13.5	9.7	11.8	9.6
Apparel and other textile products .....	199	161	15.5	11.9	14.9	14.4	15.7	11.2
Paper and allied products .....	43	34	5.9	5.2	6.0	4.4	5.6	8.0
Printing and publishing .....	130	96	7.9	5.6	7.2	4.3	9.1	7.3
Chemicals and allied products .....	120	61	9.1	5.1	7.2	3.7	13.4	8.3
Rubber and miscellaneous plastics products .....	90	47	11.3	6.0	8.9	4.1	15.1	8.8
Other nondurable goods industries .....	106	76	18.4	12.8	16.8	10.4	20.4	16.3
Transportation and public utilities .....	526	397	9.2	6.8	10.5	7.5	5.7	4.9
Transportation .....	429	326	11.0	8.1	12.3	9.1	6.1	5.1
Communications and other public utilities .....	97	70	3.9	2.7	3.7	2.3	4.1	3.5
Wholesale and retail trade .....	2,453	1,920	12.0	9.2	11.2	8.2	12.9	10.4
Wholesale trade .....	380	277	9.0	6.7	8.3	6.1	10.6	8.4
Retail trade .....	2,073	1,643	12.8	9.8	12.4	9.0	13.2	10.6
Finance, insurance, and real estate .....	293	283	4.9	4.6	5.5	5.0	4.5	4.2
Service industries .....	1,677	1,444	8.2	6.9	9.4	8.0	7.5	6.2
Professional services .....	609	524	5.1	4.5	5.1	4.6	5.1	4.4
Other service industries .....	1,068	920	12.6	10.1	13.2	10.7	12.1	9.4
Agricultural wage and salary workers .....	366	294	21.7	18.8	21.1	18.0	24.2	22.0
Government, self-employed, and unpaid family workers .....	1,198	943	4.6	3.5	4.9	3.4	4.2	3.8
No previous work experience .....	1,084	983	-	-	-	-	-	-

**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	
	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984
<b>NUMBER OF UNEMPLOYED</b>												
Total unemployed .....	12,382	9,407	6,577	4,743	4,000	3,176	1,805	1,488	9,749	7,248	2,290	1,904
Job losers .....	7,939	5,471	5,323	3,658	2,132	1,476	484	337	6,395	4,305	1,437	1,083
On layoff .....	2,654	1,613	1,875	1,147	665	370	114	96	2,291	1,399	307	187
Other job losers .....	5,285	3,858	3,448	2,511	1,467	1,106	370	241	4,104	2,906	1,129	896
Job leavers .....	842	787	339	314	384	347	118	126	697	680	17	32
Reentrants .....	2,521	2,168	802	643	1,265	1,142	454	383	1,900	1,577	547	522
New entrants .....	1,079	981	111	128	220	211	749	642	755	686	289	266
<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 .....	64.1	58.1	80.9	77.1	53.3	46.4	26.8	22.7	65.6	59.4	62.7	56.9
On layoff .....	21.4	17.1	28.5	24.2	16.6	11.6	6.3	6.5	23.5	19.3	13.4	9.8
Other job losers .....	42.7	41.0	52.4	52.9	36.7	34.8	20.5	16.2	42.1	40.1	49.3	47.0
Job leavers .....	6.8	8.4	5.2	6.6	9.6	10.9	6.5	8.4	7.2	9.4	.8	1.7
Reentrants .....	20.4	23.0	12.2	13.6	31.6	35.9	25.2	25.8	19.5	21.8	23.9	27.4
New entrants .....	8.7	10.4	1.7	2.7	5.5	6.7	41.5	43.1	7.7	9.5	12.6	14.0
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>												
Job losers .....	7.2	4.9	9.1	6.2	4.8	3.2	6.6	4.7	6.7	4.4	12.6	9.3
Job leavers .....	.8	.7	.6	.5	.9	.8	1.6	1.7	.7	.7	.2	.3
Reentrants .....	2.3	1.9	1.4	1.0	2.9	2.5	6.2	5.3	2.0	1.6	4.8	4.5
New entrants .....	1.0	.9	.2	.2	.5	.5	10.2	8.9	.8	.7	2.5	2.3

**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	February 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 .....	9,407	100.0	33.6	31.7	34.7	14.4	20.3
Job losers .....	5,471	100.0	26.9	32.0	41.2	16.6	24.5
On layoff .....	1,613	100.0	34.9	36.0	29.1	14.4	14.6
Other job losers .....	3,858	100.0	23.5	30.3	46.2	17.6	28.7
Job leavers .....	787	100.0	44.0	31.1	24.9	13.2	11.7
Reentrants .....	2,168	100.0	43.3	32.7	24.1	10.4	13.7
New entrants .....	981	100.0	41.0	29.1	30.0	11.7	18.3
Men, 20 years and over .....	4,743	100.0	26.8	32.4	40.7	15.5	25.3
Job losers .....	3,658	100.0	24.6	32.0	43.4	16.5	26.9
On layoff .....	1,147	100.0	33.4	36.5	30.1	15.1	15.0
Other job losers .....	2,511	100.0	20.5	30.0	49.5	17.2	32.3
Job leavers .....	314	100.0	36.1	28.5	35.3	18.5	16.8
Reentrants .....	643	100.0	35.5	37.6	26.9	8.7	18.2
New entrants .....	128	100.0	25.2	26.3	48.4	13.3	35.1
Women, 20 years and over .....	3,176	100.0	37.2	31.1	31.7	13.6	18.1
Job losers .....	1,476	100.0	28.2	31.7	40.1	16.7	23.4
On layoff .....	370	100.0	33.5	35.2	31.3	14.0	17.3
Other job losers .....	1,106	100.0	26.4	30.5	43.1	17.6	25.5
Job leavers .....	347	100.0	44.1	34.1	21.9	10.7	11.2
Reentrants .....	1,142	100.0	45.4	30.1	24.5	11.6	12.9
New entrants .....	211	100.0	44.2	27.7	28.1	8.3	19.8
Both sexes, 16 to 19 years .....	1,488	100.0	47.2	31.0	21.8	12.5	9.3
Job losers .....	337	100.0	45.7	32.4	21.9	17.9	4.0
On layoff .....	96	100.0	58.5	32.8	8.6	8.6	-
Other job losers .....	241	100.0	40.6	32.2	27.2	21.6	5.6
Job leavers .....	126	100.0	63.7	29.4	6.9	6.7	.2
Reentrants .....	383	100.0	50.0	31.9	18.1	9.7	8.4
New entrants .....	642	100.0	43.1	30.0	26.9	12.4	14.5

**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	
	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984
	Total, 16 years and over .....	12,382	9,407	100.0	100.0	10,596	7,760	100.0
Less than 5 weeks .....	3,507	3,157	28.3	33.6	2,648	2,266	25.0	29.2
5 to 14 weeks .....	3,823	2,986	30.9	31.7	3,303	2,525	31.2	32.5
5 to 10 weeks .....	2,702	2,108	21.8	22.4	2,310	1,768	21.8	22.8
11 to 14 weeks .....	1,122	879	9.1	9.3	993	757	9.4	9.8
15 weeks and over .....	5,052	3,264	40.8	34.7	4,644	2,969	43.8	38.3
15 to 26 weeks .....	2,221	1,354	17.9	14.4	1,953	1,197	18.4	15.4
27 weeks and over .....	2,832	1,910	22.9	20.3	2,691	1,772	25.4	22.8
27 to 51 weeks .....	1,386	649	11.2	6.9	1,333	606	12.6	7.8
52 weeks and over .....	1,446	1,261	11.7	13.4	1,359	1,166	12.8	15.0
Average (mean) duration, in weeks .....	19.4	19.2	-	-	20.8	21.1	-	-
Median duration, in weeks .....	11.0	9.3	-	-	12.4	10.5	-	-

**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	
								Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984
	February 1984										
Total, 16 years and over .....	9,407	3,157	2,986	1,354	1,910	19.2	9.3	28.3	33.6	40.8	34.7
16 to 19 years .....	1,488	702	461	186	139	11.2	5.6	37.1	47.2	31.6	21.8
20 to 24 years .....	2,006	716	641	295	355	17.0	8.5	31.1	35.7	34.6	32.4
25 to 34 years .....	2,828	921	937	386	584	19.5	9.3	25.3	32.6	43.8	34.3
35 to 44 years .....	1,432	396	434	231	371	24.0	11.9	25.9	27.7	45.4	42.0
45 to 54 years .....	911	207	302	133	269	24.7	13.0	23.1	22.7	47.4	44.2
55 to 64 years .....	645	176	183	109	177	25.4	13.2	25.0	27.3	48.2	44.4
65 years and over .....	96	38	28	15	15	17.4	6.8	37.9	39.7	41.1	31.2
Men, 16 years and over .....	5,574	1,643	1,806	845	1,281	21.5	10.4	23.8	29.5	44.8	38.1
16 to 19 years .....	831	369	268	110	83	11.8	6.2	33.3	44.5	35.2	23.3
20 to 24 years .....	1,188	365	395	193	236	18.9	9.6	25.8	30.7	39.6	36.1
25 to 34 years .....	1,713	504	571	237	402	22.0	10.2	21.7	29.4	47.6	37.3
35 to 44 years .....	829	189	244	146	250	27.3	14.0	19.1	22.8	49.7	47.7
45 to 54 years .....	540	107	177	85	171	27.1	14.2	20.8	19.8	48.6	47.3
55 to 64 years .....	420	86	133	69	132	28.2	14.4	20.6	20.5	52.1	47.9
65 years and over .....	52	22	18	5	8	( <sup>1</sup> )	( <sup>1</sup> )	34.9	( <sup>1</sup> )	45.3	( <sup>1</sup> )
Women, 16 years and over .....	3,833	1,514	1,181	509	630	15.9	7.5	35.5	39.5	34.4	29.7
16 to 19 years .....	657	333	193	76	56	10.5	4.9	42.5	50.7	26.4	20.0
20 to 24 years .....	818	351	247	102	119	14.2	6.4	39.6	42.9	26.6	27.0
25 to 34 years .....	1,115	417	367	149	182	15.7	8.0	31.6	37.4	37.3	29.7
35 to 44 years .....	603	207	190	84	122	19.5	9.5	35.4	34.3	39.3	34.2
45 to 54 years .....	372	100	125	48	99	21.2	10.4	27.0	26.8	45.2	39.6
55 to 64 years .....	224	90	50	40	45	20.0	10.0	32.6	40.1	41.3	37.7
65 years and over .....	44	16	10	10	8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
White, 16 years and over .....	7,248	2,485	2,375	1,024	1,364	18.3	9.0	28.9	34.3	39.3	32.9
Men .....	4,393	1,308	1,472	667	946	20.7	10.1	24.3	29.8	43.2	36.7
Women .....	2,855	1,177	903	357	418	14.6	6.9	36.7	41.2	32.6	27.1
Black, 16 years and over .....	1,904	567	548	287	502	23.0	10.0	25.2	29.8	47.4	41.4
Men .....	1,032	281	298	148	304	25.2	11.2	21.1	27.2	52.3	43.9
Women .....	872	286	250	138	198	20.5	9.0	30.3	32.8	41.2	38.5
Men, 16 years and over:											
Married, spouse present .....	2,316	600	756	369	591	23.5	11.6	20.9	25.9	47.0	41.5
Widowed, divorced, or separated .....	686	171	202	110	203	26.0	13.5	24.0	24.9	48.3	45.6
Single (never married) .....	2,571	871	848	366	486	18.5	8.9	26.9	33.9	41.5	33.1
Women, 16 years and over:											
Married, spouse present .....	1,637	631	532	217	256	15.1	7.8	37.9	38.5	34.6	28.9
Widowed, divorced, or separated .....	854	315	252	108	178	19.4	8.6	33.0	36.9	37.1	33.5
Single (never married) .....	1,343	568	396	183	196	14.8	6.6	34.1	42.3	32.5	28.2

<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	
	February 1984							Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984
<b>OCCUPATION</b>											
Managerial and professional specialty .....	684	198	203	114	168	21.2	10.5	25.3	29.0	42.9	41.3
Technical, sales, and administrative support .....	1,893	720	559	277	337	16.7	8.2	31.1	38.0	39.0	32.4
Service occupations .....	1,456	525	476	197	258	17.6	8.6	34.2	36.0	36.8	31.3
Precision production, craft, and repair .....	1,391	411	467	194	319	21.7	10.2	24.2	29.6	40.8	36.8
Operators, fabricators, and laborers .....	2,568	799	808	352	609	22.1	10.2	23.7	31.1	46.3	37.4
Farming, forestry, and fishing .....	379	97	161	91	29	14.3	9.4	30.2	25.6	30.3	31.9
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	284	79	125	76	14	12.1	9.2	31.7	26.8	28.0	30.7
Construction .....	1,228	392	487	179	171	16.7	9.3	25.5	31.9	34.9	28.5
Manufacturing .....	1,823	492	521	261	548	26.2	12.0	21.5	27.0	52.5	44.4
Durable goods .....	1,037	262	266	130	378	30.9	14.3	17.9	25.3	59.0	49.0
Nondurable goods .....	786	230	255	132	169	20.0	10.4	27.9	29.3	40.7	38.3
Transportation and public utilities .....	437	121	132	93	92	20.0	11.3	23.2	27.6	39.3	42.2
Wholesale and retail trade .....	1,938	744	599	227	368	17.7	8.1	33.5	38.4	35.1	30.7
Finance and service industries .....	2,067	755	631	298	384	17.4	8.5	30.0	36.5	39.7	33.0
Public administration .....	284	66	96	62	60	21.1	11.7	22.9	23.3	47.1	42.8
No previous work experience .....	983	404	285	114	180	16.0	7.2	38.8	41.1	34.8	29.9

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

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

Sex, age, and race	February 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 .....	9,407	7,658	24.4	6.1	76.7	34.1	18.6	5.1	1.65
16 to 19 years .....	1,488	1,361	13.7	2.6	80.7	24.1	14.0	3.7	1.39
20 to 24 years .....	2,006	1,721	26.5	4.9	80.0	35.1	18.8	3.3	1.69
25 to 34 years .....	2,828	2,191	29.5	8.5	74.8	38.1	19.7	4.8	1.75
35 to 44 years .....	1,432	1,138	26.6	8.3	74.0	36.3	20.0	6.8	1.72
45 to 54 years .....	911	690	24.1	6.7	75.5	34.5	17.1	7.0	1.65
55 to 64 years .....	645	491	21.4	4.3	72.5	34.2	22.8	10.0	1.65
65 years and over .....	96	66	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Men, 16 years and over .....	5,574	4,299	27.6	5.5	78.4	30.9	20.4	6.2	1.69
16 to 19 years .....	831	764	13.9	1.7	83.9	20.8	14.9	4.1	1.39
20 to 24 years .....	1,188	959	32.2	4.2	80.4	30.4	21.2	2.6	1.71
25 to 34 years .....	1,713	1,232	32.8	8.0	75.8	35.1	21.3	6.3	1.79
35 to 44 years .....	829	625	31.7	8.8	78.1	34.9	22.4	9.0	1.85
45 to 54 years .....	540	369	28.5	5.4	74.3	33.3	22.5	9.2	1.73
55 to 64 years .....	420	311	21.2	4.2	75.6	29.9	20.3	13.8	1.65
65 years and over .....	52	39	( <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 .....	3,833	3,360	20.2	6.9	74.6	38.1	16.3	3.6	1.60
16 to 19 years .....	657	597	13.4	3.7	76.7	28.5	12.9	3.2	1.38
20 to 24 years .....	818	762	19.3	5.9	79.4	40.9	15.9	3.9	1.65
25 to 34 years .....	1,115	960	25.3	9.2	73.3	41.8	17.6	3.0	1.70
35 to 44 years .....	603	513	20.5	7.8	69.0	38.0	17.2	4.1	1.57
45 to 54 years .....	372	321	19.0	8.1	77.3	35.8	11.2	4.4	1.56
55 to 64 years .....	224	180	22.2	4.4	67.2	42.2	27.2	3.9	1.67
65 years and over .....	44	27	( <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 .....	7,248	5,733	23.5	6.2	76.6	35.2	17.7	5.7	1.65
Men .....	4,393	3,260	26.9	5.2	78.5	31.6	20.0	6.9	1.69
Women .....	2,855	2,472	19.1	7.6	74.0	39.8	14.7	4.2	1.59
Black, 16 years and over .....	1,904	1,709	27.3	6.0	77.9	21.3	30.3	3.0	1.66
Men .....	1,032	914	29.6	7.0	80.0	21.6	27.1	4.0	1.69
Women .....	872	795	24.7	4.8	75.7	21.0	34.0	1.9	1.62

<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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Sex and reason	February 1984								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
Total, 16 years and over .....	9,407	7,658	24.4	6.1	76.7	34.1	18.6	5.1	1.65
Job losers <sup>1</sup> .....	5,471	3,849	29.8	8.9	77.2	35.3	21.5	5.8	1.76
Job leavers .....	787	778	23.1	6.9	79.3	34.6	19.0	2.2	1.65
Reentrants .....	2,168	2,066	17.9	5.6	73.1	35.1	14.5	5.4	1.52
New entrants .....	981	965	17.5	3.3	80.4	26.6	15.6	4.0	1.48
Men, 16 years and over .....	5,574	4,299	27.6	5.5	78.4	30.9	20.4	6.2	1.69
Job losers <sup>1</sup> .....	3,849	2,635	31.8	6.1	77.9	32.0	23.0	6.8	1.78
Job leavers .....	369	367	25.9	6.5	82.0	34.3	22.1	1.4	1.72
Reentrants .....	866	817	21.5	4.8	75.8	30.1	14.3	8.4	1.55
New entrants .....	490	480	16.7	2.7	83.1	23.3	15.4	3.3	1.45
Women, 16 years and over .....	3,833	3,360	20.2	6.9	74.6	38.1	16.3	3.6	1.60
Job losers <sup>1</sup> .....	1,622	1,214	25.6	8.6	75.7	42.3	18.2	3.6	1.74
Job leavers .....	418	410	20.7	7.3	77.1	34.9	16.3	2.9	1.59
Reentrants .....	1,302	1,250	15.5	6.1	71.4	38.4	14.5	3.4	1.49
New entrants .....	491	485	18.4	3.9	77.7	29.9	15.9	4.7	1.51

<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	
	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984
All industries .....	97,265	101,961	54,311	57,089	42,953	44,872
16 to 19 years .....	5,539	5,693	2,805	2,868	2,734	2,824
16 to 17 years .....	1,937	1,935	996	981	940	954
18 to 19 years .....	3,603	3,758	1,809	1,887	1,794	1,871
20 to 24 years .....	13,036	13,627	6,709	7,149	6,327	6,477
25 to 54 years .....	64,659	68,515	36,511	38,739	28,148	29,775
25 to 34 years .....	27,823	29,491	15,560	16,529	12,263	12,962
35 to 44 years .....	21,304	23,093	11,988	13,011	9,316	10,081
45 to 54 years .....	15,532	15,931	8,963	9,198	6,570	6,733
55 to 64 years .....	11,198	11,314	6,594	6,626	4,604	4,688
55 to 59 years .....	6,706	6,883	3,960	4,021	2,746	2,863
60 to 64 years .....	4,492	4,431	2,634	2,606	1,858	1,825
65 years and over .....	2,832	2,812	1,692	1,706	1,139	1,107
Agriculture .....	2,865	2,857	2,319	2,317	546	540
16 to 19 years .....	207	192	166	161	40	31
16 to 17 years .....	83	79	68	69	15	10
18 to 19 years .....	124	113	98	92	26	21
20 to 24 years .....	360	313	300	256	60	57
25 to 54 years .....	1,627	1,724	1,273	1,357	354	367
25 to 34 years .....	692	669	552	537	140	132
35 to 44 years .....	535	590	411	461	124	130
45 to 54 years .....	400	464	309	359	91	105
55 to 64 years .....	426	392	367	333	59	60
55 to 59 years .....	226	209	191	177	35	32
60 to 64 years .....	200	183	175	156	25	28
65 years and over .....	246	237	214	211	31	25
Nonagricultural industries .....	94,399	99,104	51,992	54,771	42,407	44,332
16 to 19 years .....	5,333	5,501	2,639	2,707	2,694	2,794
16 to 17 years .....	1,854	1,857	928	913	926	944
18 to 19 years .....	3,479	3,644	1,711	1,795	1,768	1,850
20 to 24 years .....	12,676	13,314	6,409	6,894	6,267	6,420
25 to 54 years .....	63,033	66,791	35,238	37,383	27,794	29,408
25 to 34 years .....	27,131	28,822	15,007	15,992	12,123	12,829
35 to 44 years .....	20,769	22,503	11,577	12,551	9,193	9,952
45 to 54 years .....	15,133	15,467	8,654	8,840	6,479	6,627
55 to 64 years .....	10,772	10,922	6,228	6,294	4,544	4,628
55 to 59 years .....	6,479	6,674	3,769	3,843	2,711	2,831
60 to 64 years .....	4,292	4,248	2,459	2,450	1,834	1,798
65 years and over .....	2,586	2,576	1,478	1,494	1,108	1,081

**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	
	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984
Total .....	97,265	101,961	54,311	57,089	51,506	54,220	42,953	44,872	40,219	42,048
Managerial and professional specialty .....	23,415	24,713	13,819	14,424	13,760	14,338	9,597	10,289	9,502	10,210
Executive, administrative, and managerial .....	10,471	11,329	7,112	7,601	7,086	7,568	3,359	3,728	3,322	3,703
Officials and administrators, public administration .....	464	499	297	323	295	323	166	177	163	175
Other executive, administrative, and managerial .....	7,136	7,574	5,107	5,355	5,083	5,327	2,029	2,219	2,003	2,206
Management-related occupations .....	2,871	3,255	1,708	1,923	1,707	1,919	1,163	1,333	1,156	1,321
Professional specialty .....	12,944	13,384	6,707	6,823	6,674	6,770	6,238	6,561	6,179	6,507
Engineers .....	1,489	1,533	1,398	1,447	1,398	1,442	91	86	91	86
Mathematical and computer scientists .....	445	541	312	404	312	404	132	137	132	137
Natural scientists .....	418	344	329	275	329	275	89	69	89	69
Health diagnosing occupations .....	787	741	674	642	673	642	113	99	113	98
Health assessment and treating occupations .....	1,830	1,844	282	261	282	258	1,548	1,584	1,544	1,581
Teachers, college and university .....	640	646	400	394	400	390	240	252	232	252
Teachers, except college and university .....	3,671	3,744	1,097	1,049	1,086	1,036	2,574	2,695	2,556	2,664
Lawyers and judges .....	606	666	513	564	512	564	94	101	94	101
Other professional specialty occupations .....	3,060	3,325	1,703	1,786	1,682	1,758	1,356	1,539	1,329	1,520
Technical, sales, and administrative support .....	30,394	31,729	10,588	11,401	10,109	10,880	19,806	20,328	18,405	18,922
Technicians and related support .....	3,075	3,117	1,589	1,604	1,572	1,589	1,486	1,513	1,465	1,499
Health technologists and technicians .....	1,162	1,119	183	184	182	179	979	934	966	923
Engineering and science technicians .....	1,055	1,024	812	798	803	792	243	226	237	225
Technicians, except health, engineering, and science .....	858	974	594	622	588	618	264	352	262	350
Sales occupations .....	11,213	11,944	5,894	6,320	5,574	5,980	5,320	5,624	4,576	4,862
Supervisors and proprietors .....	2,706	3,084	1,974	2,163	1,955	2,148	732	921	719	908
Sales representatives, finance and business services .....	1,799	1,919	1,138	1,194	1,131	1,185	661	725	651	715
Sales representatives, commodities, except retail .....	1,440	1,467	1,240	1,206	1,230	1,201	199	261	193	254
Sales workers, retail and personal services .....	5,226	5,418	1,530	1,734	1,245	1,426	3,697	3,683	2,983	2,955
Sales-related occupations .....	42	55	12	22	13	22	30	33	30	30
Administrative support, including clerical .....	16,106	16,668	3,106	3,477	2,963	3,310	13,000	13,191	12,364	12,561
Supervisors .....	671	648	330	320	328	319	342	328	342	326
Computer equipment operators .....	559	749	186	304	177	297	372	445	350	418
Secretaries, stenographers, and typists .....	4,760	4,955	87	86	79	78	4,673	4,870	4,455	4,668
Financial records processing .....	2,500	2,451	249	253	247	243	2,251	2,198	2,207	2,152
Mail and message distributing .....	766	821	501	569	482	546	265	252	242	236
Other administrative support, including clerical .....	6,850	7,044	1,753	1,945	1,650	1,827	5,098	5,099	4,768	4,761
Service occupations .....	13,491	13,861	5,386	5,417	4,542	4,573	8,105	8,443	7,092	7,368
Private household .....	953	989	36	51	20	33	917	937	687	736
Protective service .....	1,628	1,673	1,431	1,468	1,399	1,436	196	205	192	190
Service, except private household and protective .....	10,910	11,199	3,919	3,897	3,123	3,104	6,992	7,301	6,213	6,442
Food service .....	4,622	4,899	1,650	1,711	1,126	1,132	2,972	3,188	2,425	2,554
Health service .....	1,745	1,778	206	185	188	182	1,539	1,593	1,433	1,491
Cleaning and building service .....	2,675	2,658	1,656	1,623	1,474	1,456	1,019	1,035	965	990
Personal service .....	1,868	1,864	407	378	334	335	1,461	1,486	1,389	1,407
Precision production, craft, and repair .....	11,712	12,557	10,817	11,488	10,562	11,205	895	1,068	877	1,038
Mechanics and repairers .....	4,082	4,312	3,958	4,198	3,868	4,082	125	115	123	110
Construction trades .....	3,893	4,140	3,815	4,075	3,717	3,952	79	66	73	60
Other precision production, craft, and repair .....	3,736	4,104	3,045	3,216	2,977	3,171	692	888	681	868
Operators, fabricators, and laborers .....	15,262	16,190	11,152	11,895	10,185	10,941	4,110	4,295	3,942	4,100
Machine operators, assemblers, and inspectors .....	7,462	7,825	4,283	4,554	4,114	4,380	3,179	3,271	3,083	3,154
Manufacturing industries .....	6,291	6,631	3,539	3,797	3,432	3,666	2,752	2,834	2,686	2,733
Durable goods .....	3,333	3,632	2,208	2,478	2,146	2,403	1,125	1,154	1,107	1,108
Nondurable goods .....	2,958	2,998	1,331	1,318	1,287	1,263	1,628	1,680	1,579	1,625
Nonmanufacturing industries .....	1,170	1,194	744	757	681	714	426	437	397	421
Transportation and material moving occupations .....	4,053	4,270	3,713	3,903	3,592	3,791	340	366	327	351
Motor vehicle operators .....	2,936	3,131	2,650	2,832	2,557	2,737	286	299	273	285
Other transportation and material moving occupations .....	1,117	1,139	1,063	1,071	1,035	1,054	54	67	53	66
Handlers, equipment cleaners, helpers, and laborers .....	3,747	4,095	3,156	3,438	2,480	2,770	591	657	532	595
Construction laborers .....	453	589	448	575	405	500	5	14	5	12
Other handlers, equipment cleaners, helpers, and laborers .....	3,294	3,506	2,708	2,863	2,075	2,270	585	643	527	583
Farming, forestry, and fishing .....	2,986	2,912	2,547	2,464	2,349	2,283	439	448	399	410
Farm operators and managers .....	1,324	1,332	1,182	1,155	1,173	1,142	142	176	142	175
Other farming, forestry, and fishing occupations .....	1,663	1,581	1,365	1,308	1,177	1,142	298	272	257	236

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	February 1983	February 1984	February 1983	February 1984	February 1983	February 1984
<b>TOTAL</b>						
Total, 16 years and over (thousands) .....	97,265	101,961	54,311	57,089	42,953	44,872
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	24.1	24.2	25.4	25.3	22.3	22.9
Executive, administrative, and managerial .....	10.8	11.1	13.1	13.3	7.8	8.3
Professional specialty .....	13.3	13.1	12.3	12.0	14.5	14.6
Technical, sales, and administrative support .....	31.3	31.1	19.5	20.0	46.1	45.3
Technicians and related support .....	3.2	3.1	2.9	2.8	3.5	3.4
Sales occupations .....	11.5	11.7	10.9	11.1	12.4	12.5
Administrative support, including clerical .....	16.6	16.3	5.7	6.1	30.3	29.4
Service occupations .....	13.9	13.6	9.9	9.5	18.9	18.8
Private household .....	1.0	1.0	.1	.1	2.1	2.1
Protective service .....	1.7	1.6	2.6	2.6	.5	.5
Service, except private household and protective .....	11.2	11.0	7.2	6.8	16.3	16.3
Precision production, craft, and repair .....	12.0	12.3	19.9	20.1	2.1	2.4
Operators, fabricators, and laborers .....	15.7	15.9	20.5	20.8	9.6	9.6
Machine operators, assemblers, and inspectors .....	7.7	7.7	7.9	8.0	7.4	7.3
Transportation and material moving occupations .....	4.2	4.2	6.8	6.8	.8	.8
Handlers, equipment cleaners, helpers, and laborers .....	3.9	4.0	5.8	6.0	1.4	1.5
Farming, forestry, and fishing .....	3.1	2.9	4.7	4.3	1.0	1.0
<b>White</b>						
Total, 16 years and over (thousands) .....	85,619	89,724	48,413	50,796	37,206	38,928
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	25.0	25.3	26.5	26.4	23.1	23.9
Executive, administrative, and managerial .....	11.4	11.8	13.8	14.1	8.2	8.8
Professional specialty .....	13.7	13.6	12.7	12.4	14.9	15.1
Technical, sales, and administrative support .....	31.9	31.7	19.9	20.3	47.5	46.6
Technicians and related support .....	3.2	3.0	3.0	2.8	3.5	3.3
Sales occupations .....	12.2	12.4	11.5	11.8	13.1	13.3
Administrative support, including clerical .....	16.6	16.3	5.5	5.8	30.9	30.0
Service occupations .....	12.6	12.3	8.9	8.5	17.4	17.3
Private household .....	.8	.7	.1	.1	1.7	1.6
Protective service .....	1.6	1.5	2.5	2.4	.4	.4
Service, except private household and protective .....	10.2	10.0	6.3	6.0	15.3	15.3
Precision production, craft, and repair .....	12.4	12.7	20.4	20.7	2.0	2.3
Operators, fabricators, and laborers .....	14.9	15.0	19.6	19.7	8.8	8.9
Machine operators, assemblers, and inspectors .....	7.2	7.2	7.6	7.6	6.7	6.6
Transportation and material moving occupations .....	4.0	4.0	6.5	6.4	.8	.8
Handlers, equipment cleaners, helpers, and laborers .....	3.6	3.8	5.4	5.6	1.3	1.4
Farming, forestry, and fishing .....	3.1	2.9	4.6	4.3	1.1	1.1
<b>Black</b>						
Total, 16 years and over (thousands) .....	9,076	9,752	4,494	4,952	4,582	4,800
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	14.4	13.7	13.4	12.1	15.3	15.5
Executive, administrative, and managerial .....	5.3	5.1	6.3	5.7	4.3	4.5
Professional specialty .....	9.1	8.7	7.2	6.4	11.0	11.0
Technical, sales, and administrative support .....	25.7	25.8	14.6	15.9	36.6	36.1
Technicians and related support .....	2.8	2.8	2.2	2.1	3.4	3.6
Sales occupations .....	5.9	5.7	4.9	4.9	6.9	6.6
Administrative support, including clerical .....	17.0	17.2	7.6	8.8	26.2	25.9
Service occupations .....	24.8	24.3	18.6	17.9	30.9	30.9
Private household .....	2.8	3.0	.1	.2	5.4	5.9
Protective service .....	2.5	2.8	4.2	4.4	.8	1.1
Service, except private household and protective .....	19.5	18.5	14.2	13.3	24.7	23.9
Precision production, craft, and repair .....	8.9	9.3	16.0	15.7	2.1	2.8
Operators, fabricators, and laborers .....	23.2	24.4	32.0	34.0	14.5	14.5
Machine operators, assemblers, and inspectors .....	11.2	11.9	10.7	11.8	11.7	11.9
Transportation and material moving occupations .....	5.8	6.4	10.8	11.5	.8	1.1
Handlers, equipment cleaners, helpers, and laborers .....	6.2	6.2	10.5	10.7	2.1	1.5
Farming, forestry, and fishing .....	2.9	2.4	5.3	4.5	.6	.2

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Age and sex	February 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 .....	91,080	1,154	16,075	73,851	7,731	293	1,270	1,427	160
16 to 19 years .....	5,385	243	339	4,803	90	26	148	12	32
16 to 17 years .....	1,807	157	67	1,583	43	7	57	6	15
18 to 19 years .....	3,578	86	272	3,220	48	19	91	6	16
20 to 24 years .....	12,940	135	1,207	11,597	361	13	221	79	13
25 to 34 years .....	26,829	151	4,589	22,089	1,927	66	355	280	34
35 to 44 years .....	20,312	150	4,494	15,668	2,102	88	237	333	20
45 to 54 years .....	13,875	138	3,025	10,713	1,548	43	159	271	34
55 to 64 years .....	9,697	225	2,080	7,392	1,183	43	116	255	21
55 to 59 years .....	5,954	100	1,329	4,526	694	25	62	137	10
60 to 64 years .....	3,742	126	751	2,866	489	18	54	118	11
65 years and over .....	2,042	111	342	1,589	519	14	34	197	5
Men, 16 years and over .....	49,472	119	7,776	41,578	5,257	42	1,041	1,223	53
16 to 19 years .....	2,630	34	156	2,441	55	22	127	11	24
16 to 17 years .....	876	16	31	828	30	7	49	6	14
18 to 19 years .....	1,754	18	124	1,612	25	15	78	4	11
20 to 24 years .....	6,643	19	545	6,079	243	8	181	66	8
25 to 34 years .....	14,697	18	2,072	12,607	1,289	7	285	243	9
35 to 44 years .....	11,142	8	2,186	8,949	1,409	-	186	271	3
45 to 54 years .....	7,781	8	1,565	6,207	1,057	2	128	226	5
55 to 64 years .....	5,462	13	1,067	4,382	830	2	103	228	2
55 to 59 years .....	3,370	5	668	2,697	473	-	53	123	1
60 to 64 years .....	2,092	8	399	1,684	357	2	50	104	1
65 years and over .....	1,118	18	186	913	375	2	30	179	2
Women, 16 years and over .....	41,607	1,035	8,299	32,273	2,475	250	229	204	106
16 to 19 years .....	2,755	209	183	2,363	35	3	21	2	8
16 to 17 years .....	931	141	36	754	13	-	8	-	2
18 to 19 years .....	1,824	68	147	1,608	22	3	13	2	6
20 to 24 years .....	6,297	116	663	5,518	119	5	40	12	5
25 to 34 years .....	12,132	133	2,517	9,482	638	59	70	37	25
35 to 44 years .....	9,170	143	2,306	6,719	694	89	51	61	17
45 to 54 years .....	6,095	130	1,460	4,505	491	42	30	46	29
55 to 64 years .....	4,235	212	1,013	3,010	353	41	13	28	19
55 to 59 years .....	2,584	94	661	1,829	222	25	9	14	9
60 to 64 years .....	1,651	117	352	1,182	131	16	4	14	10
65 years and over .....	924	93	156	675	145	12	4	18	3

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

(In thousands)

Industry	February 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 .....	2,857	62	48	25	23	83	-	13	43	10	49	15	2,487
Mining .....	913	161	103	31	7	140	-	10	267	28	119	46	2
Construction .....	6,107	686	121	89	53	383	-	49	3,528	93	394	706	5
Manufacturing .....	20,569	2,116	1,562	756	729	2,519	-	370	3,907	6,631	853	1,057	69
Durable goods .....	12,181	1,270	1,027	546	306	1,473	-	190	2,726	3,632	430	514	68
Nondurable goods .....	8,388	846	536	210	423	1,046	-	181	1,182	2,998	423	544	1
Transportation and public utilities .....	7,123	714	420	187	231	2,019	-	221	1,315	105	1,525	381	4
Wholesale and retail trade .....	21,067	1,711	366	61	8,677	2,215	-	4,015	1,431	234	767	1,565	25
Wholesale trade .....	4,177	465	69	25	1,634	830	-	33	306	126	396	285	7
Retail trade .....	16,891	1,246	297	37	7,044	1,385	-	3,982	1,125	108	370	1,280	18
Finance, insurance, and real estate .....	6,662	1,576	159	123	1,577	2,828	-	210	106	11	21	11	39
Services .....	32,091	3,317	10,003	1,648	616	5,214	989	6,915	1,716	672	494	275	233
Private households .....	1,160	5	13	26	-	16	989	53	5	-	5	18	30
Other service industries .....	30,931	3,311	9,990	1,622	616	5,198	-	6,862	1,711	672	489	257	204
Professional services .....	21,477	1,828	9,053	1,415	122	3,827	-	4,256	389	147	303	72	65
Public administration .....	4,571	986	601	196	29	1,267	-	1,069	243	42	48	40	48

<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					
	Feb. 1983	Feb. 1984	Total		Wage and salary workers <sup>1</sup>			
			Feb. 1983	Feb. 1984	Paid absences		Unpaid absences	
					Feb. 1983	Feb. 1984	Feb. 1983	Feb. 1984
Total, 16 years and over .....	4,128	4,033	3,913	3,854	1,511	1,612	1,732	1,592
Vacation .....	1,182	1,344	1,137	1,301	735	790	263	332
Illness .....	1,442	1,522	1,403	1,470	587	613	671	718
Bad weather .....	348	168	267	137	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Industrial dispute .....	107	20	108	20	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
All other reasons .....	1,049	978	997	927	188	210	798	542
Men, 16 years and over .....	2,317	2,177	2,129	2,031	895	915	790	698
Vacation .....	693	721	658	688	483	467	95	116
Illness .....	730	830	695	784	301	351	315	361
All other reasons <sup>3</sup> .....	893	625	776	560	111	97	379	221
Women, 16 years and over .....	1,811	1,855	1,784	1,823	613	697	941	893
Vacation .....	489	623	479	613	251	323	167	216
Illness .....	711	692	708	686	286	262	355	356
All other reasons <sup>3</sup> .....	611	541	597	524	76	112	419	321

<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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Hours of work	February 1984					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over .....	97,928	2,679	95,249	100.0	100.0	100.0
1 to 34 hours .....	25,765	883	24,882	26.3	32.9	26.1
1 to 4 hours .....	835	51	784	.9	1.9	.8
5 to 14 hours .....	4,751	207	4,544	4.9	7.7	4.8
15 to 29 hours .....	12,526	424	12,102	12.8	15.8	12.7
30 to 34 hours .....	7,653	201	7,452	7.8	7.5	7.8
35 hours and over .....	72,163	1,797	70,366	73.7	67.1	73.9
35 to 39 hours .....	6,744	127	6,617	6.9	4.7	6.9
40 hours .....	40,236	590	39,646	41.1	22.0	41.6
41 hours and over .....	25,183	1,080	24,103	25.7	40.3	25.3
41 to 48 hours .....	9,841	217	9,624	10.0	8.1	10.1
49 to 59 hours .....	8,807	342	8,465	9.0	12.8	8.9
60 hours and over .....	6,535	521	6,014	6.7	19.4	6.3
Average hours, total at work .....	38.2	40.9	38.1	-	-	-
Average hours, workers on full-time schedules .....	42.8	47.5	42.7	-	-	-

**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	February 1984					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 18 years and over .....	25,765	7,994	17,771	24,882	7,596	17,287
Economic reasons .....	5,824	1,815	4,009	5,634	1,706	3,928
Slack work .....	2,715	1,504	1,211	2,577	1,399	1,178
Material shortages or repairs to plant and equipment .....	65	65	-	61	61	-
New job started during week .....	173	173	-	172	172	-
Job terminated during week .....	73	73	-	73	73	-
Could find only part-time work .....	2,798	-	2,798	2,750	-	2,750
Other reasons .....	19,942	6,179	13,763	19,248	5,888	13,360
Does not want, or unavailable for, full-time work .....	11,489	-	11,489	11,218	-	11,218
Vacation .....	850	850	-	829	829	-
Illness .....	2,142	1,971	171	2,083	1,936	157
Bad weather .....	407	407	-	346	346	-
Industrial dispute .....	-	-	-	-	-	-
Legal or religious holiday .....	1,500	1,500	-	1,495	1,495	-
Full time for this job .....	1,531	-	1,531	1,494	-	1,494
All other reasons .....	2,024	1,452	572	1,775	1,284	491
Average hours:						
Economic reasons .....	21.8	24.0	20.8	21.8	24.2	20.8
Other reasons .....	21.1	26.7	18.6	21.2	26.9	18.7
Worked 30 to 34 hours:						
Economic reasons .....	1,803	830	973	1,753	794	959
Other reasons .....	5,850	3,509	2,341	5,699	3,410	2,289

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

(Numbers in thousands)

Industry	February 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 .....	95,249	5,634	13,360	76,255	52,152	9,624	14,479	38.1	42.7
Wage and salary workers .....	87,835	4,956	12,087	70,792	49,673	8,969	12,150	37.9	42.3
Mining .....	833	26	17	790	179	111	228	45.1	46.3
Construction .....	4,719	396	226	4,097	3,033	462	602	38.5	41.3
Manufacturing .....	19,492	678	697	18,117	12,652	2,871	2,594	40.8	42.2
Durable goods .....	11,553	247	295	11,011	7,578	1,772	1,661	41.5	42.4
Nondurable goods .....	7,940	431	402	7,107	5,075	1,099	933	39.7	41.9
Transportation and public utilities .....	6,481	244	322	5,915	4,145	813	957	40.9	42.7
Wholesale and retail trade .....	18,394	1,683	4,469	12,242	7,784	1,790	2,668	35.5	43.3
Finance, insurance, and real estate .....	5,897	134	463	5,300	3,892	579	829	39.0	41.1
Service industries .....	27,602	1,722	5,697	20,183	14,469	1,985	3,729	36.0	42.3
Private households .....	1,118	218	495	405	264	35	106	25.9	47.2
All other industries .....	26,484	1,504	5,202	19,778	14,205	1,950	3,623	36.4	42.2
Public administration .....	4,417	73	195	4,149	3,245	359	545	39.8	41.1
Self-employed workers .....	7,119	661	1,156	5,302	2,383	643	2,276	40.4	47.9
Unpaid family workers .....	295	16	117	162	97	12	53	35.3	45.5

**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	February 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 .....	95,249	5,634	13,360	76,255	52,152	24,103	38.1	42.7
16 to 19 years .....	5,351	564	3,194	1,593	1,299	294	23.4	39.8
16 to 17 years .....	1,801	54	1,622	125	107	18	16.1	37.8
18 to 19 years .....	3,550	510	1,572	1,468	1,192	276	27.1	40.0
20 years and over .....	89,898	5,070	10,165	74,663	50,854	23,809	39.0	42.8
20 to 24 years .....	12,956	1,294	2,174	9,488	6,988	2,500	35.7	41.5
25 years and over .....	76,942	3,775	7,991	65,176	43,869	21,307	39.5	43.0
25 to 44 years .....	49,524	2,511	4,336	42,677	28,297	14,380	40.0	43.1
45 to 64 years .....	25,039	1,154	2,551	21,334	14,725	6,609	39.7	42.9
65 years and over .....	2,380	110	1,104	1,166	847	319	29.4	41.7
<b>Men, 16 years and over</b> .....	52,740	2,579	4,073	46,088	26,327	17,761	41.0	44.1
16 to 19 years .....	2,641	245	1,527	869	683	186	24.5	40.5
16 to 17 years .....	890	22	794	74	66	8	17.0	39.0
18 to 19 years .....	1,751	223	733	795	615	180	28.3	40.7
20 years and over .....	50,099	2,333	2,546	45,220	27,646	17,574	41.9	44.2
20 to 24 years .....	6,714	644	909	5,161	3,480	1,681	37.4	42.7
25 years and over .....	43,385	1,689	1,637	40,059	24,167	15,892	42.6	44.4
25 to 44 years .....	27,656	1,128	629	25,899	15,257	10,642	43.1	44.6
45 to 64 years .....	14,369	493	466	13,410	8,393	5,017	42.6	44.1
65 years and over .....	1,359	67	543	749	518	231	31.3	42.3
<b>Women, 16 years and over</b> .....	42,509	3,056	9,286	30,167	23,824	6,343	34.5	40.6
16 to 19 years .....	2,710	319	1,667	724	616	108	22.3	38.9
16 to 17 years .....	911	31	828	52	40	12	15.2	( <sup>1</sup> )
18 to 19 years .....	1,799	288	839	672	575	97	25.9	39.1
20 years and over .....	39,799	2,737	7,619	29,443	23,208	6,235	35.4	40.6
20 to 24 years .....	6,242	651	1,265	4,326	3,507	819	33.9	40.1
25 years and over .....	33,558	2,085	6,354	25,119	19,701	5,418	35.6	40.7
25 to 44 years .....	21,867	1,382	3,707	16,778	13,042	3,736	36.0	40.6
45 to 64 years .....	10,669	661	2,065	7,923	6,330	1,593	35.7	40.8
65 years and over .....	1,021	42	561	418	330	88	26.9	40.7
<b>RACE</b>								
White, 16 years and over .....	83,735	4,670	12,206	66,859	44,611	22,248	38.2	43.0
Men .....	46,908	2,139	3,699	41,070	24,540	16,530	41.3	44.4
Women .....	36,827	2,531	8,507	25,789	20,071	5,718	34.4	40.7
Black, 16 years and over .....	9,160	839	864	7,457	6,124	1,333	36.7	40.5
Men .....	4,585	384	269	3,932	3,047	885	38.4	41.4
Women .....	4,574	454	595	3,525	3,078	447	35.1	39.5
<b>MARITAL STATUS</b>								
Men, 16 years and over:								
Married, spouse present .....	35,257	1,218	1,144	32,895	19,546	13,349	42.9	44.5
Widowed, divorced, or separated .....	4,707	309	232	4,166	2,559	1,607	41.6	44.3
Single (never married) .....	12,776	1,052	2,697	9,027	6,223	2,804	35.4	42.6
Women, 16 years and over:								
Married, spouse present .....	23,615	1,520	5,348	16,747	13,405	3,342	34.5	40.4
Widowed, divorced, or separated .....	8,281	650	1,080	6,551	4,984	1,567	37.0	41.2
Single (never married) .....	10,613	886	2,858	6,869	5,436	1,433	32.6	40.5

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



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

(Numbers in thousands)

Occupation and sex	February 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 .....	95,211	5,624	13,346	76,241	52,073	9,638	14,530	38.1	42.7
Managerial and professional specialty .....	23,871	542	2,190	21,140	12,534	2,551	6,055	41.6	44.4
Executive, administrative, and managerial .....	10,930	161	475	10,293	5,625	1,330	3,338	44.0	45.4
Professional specialty .....	12,941	381	1,714	10,846	6,909	1,220	2,717	39.5	43.5
Technical, sales, and administrative support .....	30,605	1,396	5,490	23,720	17,207	2,693	3,820	36.9	41.9
Technicians and related support .....	3,016	65	350	2,601	2,063	231	307	38.2	41.2
Sales occupations .....	11,509	774	2,477	8,259	4,478	1,190	2,592	37.9	45.2
Administrative support, including clerical .....	16,080	557	2,663	12,860	10,666	1,273	921	35.9	39.9
Service occupations .....	13,237	1,646	3,952	7,639	5,858	753	1,029	32.2	41.8
Private household .....	956	192	428	336	222	25	89	25.5	47.4
Protective service .....	1,600	63	146	1,391	882	209	300	41.2	44.5
Service, except private household and protective .....	10,681	1,391	3,378	5,912	4,754	519	639	31.4	40.9
Precision production, craft, and repair .....	11,978	746	392	10,841	7,230	1,713	1,898	40.5	42.6
Operators, fabricators, and laborers .....	15,520	1,295	1,322	12,902	9,246	1,928	1,729	38.5	42.1
Machine operators, assemblers, and inspectors .....	7,541	459	345	6,738	5,085	1,059	594	39.3	41.3
Transportation and material moving occupations .....	4,041	298	333	3,410	2,065	490	855	40.8	44.5
Handlers, equipment cleaners, helpers, and laborers .....	3,937	538	645	2,754	2,096	379	279	34.7	41.0
Men, 16 years and over .....	52,620	2,568	4,035	46,017	28,206	6,416	11,395	41.1	44.1
Managerial and professional specialty .....	13,961	238	635	13,088	6,907	1,498	4,683	44.5	46.1
Executive, administrative, and managerial .....	7,330	84	200	7,046	3,446	867	2,733	45.8	46.9
Professional specialty .....	6,631	154	435	6,042	3,461	631	1,949	43.0	45.3
Technical, sales, and administrative support .....	11,059	304	1,080	9,675	5,500	1,409	2,766	41.5	44.8
Technicians and related support .....	1,563	24	101	1,439	1,071	152	215	39.9	41.9
Sales occupations .....	6,147	192	638	5,317	2,323	831	2,163	43.4	47.3
Administrative support, including clerical .....	3,348	88	342	2,919	2,106	425	388	38.8	41.8
Service occupations .....	5,215	485	1,101	3,628	2,598	440	591	35.3	42.7
Private household .....	52	12	25	14	5	3	6	( <sup>1</sup> )	( <sup>1</sup> )
Protective service .....	1,407	45	97	1,265	783	198	285	42.2	44.7
Service, except private household and protective .....	3,756	428	978	2,349	1,810	238	301	32.8	41.6
Precision production, craft, and repair .....	10,965	708	295	9,962	6,583	1,593	1,787	40.7	42.7
Operators, fabricators, and laborers .....	11,421	832	924	9,664	6,620	1,476	1,568	39.4	42.8
Machine operators, assemblers, and inspectors .....	4,405	172	160	4,073	2,886	701	486	40.8	42.2
Transportation and material moving occupations .....	3,706	248	214	3,244	1,948	461	835	41.7	44.7
Handlers, equipment cleaners, helpers, and laborers .....	3,309	412	550	2,347	1,786	314	247	34.9	41.2
Women, 16 years and over .....	42,591	3,057	9,311	30,224	23,867	3,222	3,135	34.5	40.6
Managerial and professional specialty .....	9,910	304	1,554	8,052	5,627	1,053	1,372	37.4	41.7
Executive, administrative, and managerial .....	3,599	77	275	3,247	2,179	464	604	40.2	42.3
Professional specialty .....	6,311	227	1,279	4,805	3,448	589	768	35.9	41.2
Technical, sales, and administrative support .....	19,547	1,092	4,410	14,045	11,707	1,284	1,053	34.3	39.9
Technicians and related support .....	1,453	41	249	1,162	991	78	92	36.4	40.3
Sales occupations .....	5,362	582	1,839	2,942	2,155	358	428	31.6	41.3
Administrative support, including clerical .....	12,732	469	2,322	9,941	8,560	848	533	35.2	39.4
Service occupations .....	8,022	1,161	2,851	4,011	3,260	313	438	30.1	41.0
Private household .....	905	179	403	322	217	22	84	25.5	47.0
Protective service .....	192	19	48	125	99	11	16	33.2	41.8
Service, except private household and protective .....	6,925	963	2,399	3,563	2,944	281	338	30.6	40.5
Precision production, craft, and repair .....	1,013	38	97	878	647	120	111	38.7	41.4
Operators, fabricators, and laborers .....	4,099	463	398	3,238	2,626	451	161	36.2	39.9
Machine operators, assemblers, and inspectors .....	3,136	287	184	2,665	2,199	357	109	37.3	39.8
Transportation and material moving occupations .....	335	50	119	166	117	29	20	30.9	41.1
Handlers, equipment cleaners, helpers, and laborers .....	628	126	95	407	310	65	32	33.5	40.3

<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	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
<b>TOTAL</b>													
Noninstitutional population <sup>1</sup> .....	175,169	175,320	175,465	175,622	175,793	175,970	176,122	176,297	176,474	176,636	176,809	177,219	177,363
Labor force <sup>1</sup> .....	112,352	112,399	112,646	112,619	113,573	113,489	113,799	113,924	113,561	113,720	113,824	113,901	114,377
Percent of population <sup>2</sup> .....	64.1	64.1	64.2	64.1	64.6	64.5	64.6	64.6	64.3	64.4	64.4	64.3	64.5
Total employed <sup>1</sup> .....	100,836	100,980	101,277	101,431	102,411	102,889	103,166	103,571	103,665	104,291	104,629	104,876	105,576
Employment-population ratio <sup>3</sup> .....	57.6	57.6	57.7	57.8	58.3	58.5	58.6	58.7	58.7	59.0	59.2	59.2	59.5
Resident Armed Forces .....	1,664	1,664	1,671	1,669	1,668	1,664	1,682	1,695	1,695	1,685	1,688	1,686	1,684
Civilian employed .....	99,172	99,316	99,606	99,762	100,743	101,225	101,484	101,876	101,970	102,606	102,941	103,190	103,892
Agriculture .....	3,415	3,386	3,392	3,374	3,479	3,499	3,449	3,308	3,240	3,257	3,356	3,271	3,395
Nonagricultural industries .....	95,757	95,930	96,214	96,388	97,264	97,726	98,035	98,568	98,730	99,349	99,585	99,918	100,496
Unemployed .....	11,516	11,419	11,369	11,188	11,162	10,600	10,633	10,353	9,896	9,429	9,195	9,026	8,801
Unemployment rate <sup>4</sup> .....	10.2	10.2	10.1	9.9	9.8	9.3	9.3	9.1	8.7	8.3	8.1	7.9	7.7
Not in labor force .....	62,817	62,921	62,819	63,003	62,220	62,481	62,323	62,373	62,913	62,916	62,985	63,318	62,986
<b>Men</b>													
Noninstitutional population <sup>1</sup> .....	83,720	83,789	83,856	83,931	84,014	84,099	84,173	84,261	84,344	84,423	84,506	84,745	84,811
Labor force <sup>1</sup> .....	64,077	64,096	64,311	64,348	64,778	64,840	64,807	64,877	64,709	64,846	64,838	64,930	65,093
Percent of population <sup>2</sup> .....	76.5	76.5	76.7	76.7	77.1	77.1	77.0	77.0	76.7	76.8	76.7	76.6	76.8
Total employed <sup>1</sup> .....	57,321	57,423	57,589	57,744	58,369	58,592	58,607	58,828	58,950	59,389	59,580	59,781	60,147
Employment-population ratio <sup>3</sup> .....	68.5	68.5	68.7	68.8	69.5	69.7	69.6	69.8	69.9	70.3	70.5	70.5	70.9
Resident Armed Forces .....	1,528	1,528	1,530	1,528	1,525	1,521	1,538	1,549	1,543	1,534	1,537	1,542	1,540
Civilian employed .....	55,793	55,895	56,059	56,216	56,844	57,071	57,069	57,279	57,407	57,855	58,043	58,239	58,607
Unemployed .....	6,756	6,673	6,722	6,604	6,409	6,248	6,200	6,049	5,759	5,457	5,258	5,149	4,946
Unemployment rate <sup>4</sup> .....	10.5	10.4	10.5	10.3	9.9	9.6	9.6	9.3	8.9	8.4	8.1	7.9	7.6
Not in labor force .....	19,643	19,693	19,545	19,583	19,236	19,259	19,366	19,384	19,635	19,577	19,668	19,815	19,718
<b>Women</b>													
Noninstitutional population <sup>1</sup> .....	91,449	91,532	91,609	91,691	91,779	91,871	91,949	92,036	92,129	92,214	92,302	92,474	92,552
Labor force <sup>1</sup> .....	48,275	48,303	48,335	48,271	48,795	48,649	48,992	49,047	48,852	48,874	48,986	48,971	49,283
Percent of population <sup>2</sup> .....	52.8	52.8	52.8	52.6	53.2	53.0	53.3	53.3	53.0	53.0	53.1	53.0	53.2
Total employed <sup>1</sup> .....	43,515	43,557	43,688	43,687	44,042	44,297	44,559	44,743	44,715	44,902	45,049	45,094	45,429
Employment-population ratio <sup>3</sup> .....	47.6	47.6	47.7	47.6	48.0	48.2	48.5	48.6	48.5	48.7	48.8	48.8	49.1
Resident Armed Forces .....	136	136	141	141	143	143	144	146	152	151	151	144	144
Civilian employed .....	43,379	43,421	43,547	43,546	43,899	44,154	44,415	44,597	44,563	44,751	44,898	44,950	45,285
Unemployed .....	4,760	4,746	4,647	4,584	4,753	4,352	4,433	4,304	4,137	3,972	3,937	3,876	3,855
Unemployment rate <sup>4</sup> .....	9.9	9.8	9.6	9.5	9.7	8.9	9.0	8.8	8.5	8.1	8.0	7.9	7.8
Not in labor force .....	43,174	43,229	43,274	43,420	42,984	43,222	42,957	42,989	43,277	43,340	43,316	43,503	43,269

<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.

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	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
<b>TOTAL</b>														
Civilian noninstitutional population <sup>1</sup> .....	173,505	173,656	173,794	173,953	174,125	174,306	174,440	174,602	174,779	174,951	175,121	175,533	175,679	
Civilian labor force .....	110,688	110,735	110,975	110,950	111,905	111,825	112,117	112,229	111,866	112,035	112,136	112,215	112,693	
Percent of population .....	63.8	63.8	63.9	63.8	64.3	64.2	64.3	64.3	64.0	64.0	64.0	63.9	64.1	
Employed .....	99,172	99,316	99,606	99,762	100,743	101,225	101,484	101,876	101,970	102,606	102,941	103,190	103,892	
Employment-population ratio <sup>2</sup> .....	57.2	57.2	57.3	57.3	57.9	58.1	58.2	58.3	58.3	58.6	58.8	58.8	59.1	
Unemployed .....	11,516	11,419	11,369	11,188	11,162	10,600	10,633	10,353	9,896	9,429	9,195	9,026	8,801	
Unemployment rate .....	10.4	10.3	10.2	10.1	10.0	9.5	9.5	9.2	8.8	8.4	8.2	8.0	7.8	
<b>Men, 20 years and over</b>														
Civilian noninstitutional population <sup>1</sup> .....	74,434	74,528	74,611	74,712	74,814	74,927	75,012	75,115	75,216	75,327	75,433	75,692	75,786	
Civilian labor force .....	58,225	58,268	58,512	58,546	58,844	58,982	58,954	59,012	58,949	59,053	59,050	59,299	59,394	
Percent of population .....	78.2	78.2	78.4	78.4	78.7	78.7	78.6	78.6	78.4	78.4	78.3	78.3	78.4	
Employed .....	52,508	52,673	52,830	52,963	53,492	53,765	53,804	53,947	54,140	54,457	54,658	54,999	55,266	
Employment-population ratio <sup>2</sup> .....	70.5	70.7	70.8	70.9	71.5	71.8	71.7	71.8	72.0	72.3	72.5	72.7	72.9	
Agriculture .....	2,402	2,425	2,421	2,440	2,497	2,521	2,475	2,431	2,376	2,336	2,374	2,356	2,409	
Nonagricultural industries .....	50,106	50,248	50,409	50,523	50,995	51,244	51,329	51,516	51,764	52,121	52,284	52,643	52,857	
Unemployed .....	5,717	5,595	5,682	5,583	5,352	5,217	5,150	5,065	4,809	4,596	4,392	4,300	4,128	
Unemployment rate .....	9.8	9.6	9.7	9.5	9.1	8.8	8.7	8.6	8.2	7.8	7.4	7.3	7.0	
Not in labor force .....	16,209	16,260	16,099	16,166	15,970	15,945	16,058	16,103	16,267	16,274	16,383	16,393	16,392	
<b>Women, 20 years and over</b>														
Civilian noninstitutional population <sup>1</sup> .....	83,593	83,699	83,794	83,899	84,008	84,122	84,224	84,333	84,443	84,553	84,666	84,860	84,962	
Civilian labor force .....	44,248	44,259	44,311	44,331	44,684	44,647	44,896	45,062	44,936	44,953	45,024	44,981	45,258	
Percent of population .....	52.9	52.9	52.9	52.8	53.2	53.1	53.3	53.4	53.2	53.2	53.2	53.0	53.3	
Employed .....	40,315	40,368	40,531	40,583	40,847	41,123	41,298	41,550	41,570	41,738	41,843	41,798	42,138	
Employment-population ratio <sup>2</sup> .....	48.2	48.2	48.4	48.4	48.6	48.9	49.0	49.3	49.2	49.4	49.4	49.3	49.6	
Agriculture .....	640	632	621	605	634	613	627	581	597	638	653	625	640	
Nonagricultural industries .....	39,675	39,736	39,910	39,978	40,213	40,510	40,671	40,969	40,973	41,100	41,190	41,174	41,498	
Unemployed .....	3,933	3,891	3,780	3,748	3,837	3,524	3,598	3,512	3,366	3,215	3,181	3,182	3,120	
Unemployment rate .....	8.9	8.8	8.5	8.5	8.6	7.9	8.0	7.8	7.5	7.2	7.1	7.1	6.9	
Not in labor force .....	39,345	39,440	39,483	39,568	39,324	39,475	39,328	39,271	39,507	39,600	39,642	39,879	39,704	
<b>Both sexes, 16 to 19 years</b>														
Civilian noninstitutional population <sup>1</sup> .....	15,478	15,429	15,389	15,342	15,303	15,257	15,204	15,154	15,120	15,072	15,022	14,981	14,931	
Civilian labor force .....	8,215	8,208	8,152	8,073	8,377	8,196	8,267	8,155	7,981	8,029	8,062	7,935	8,041	
Percent of population .....	53.1	53.2	53.0	52.6	54.7	53.7	54.4	53.8	52.8	53.3	53.7	53.0	53.9	
Employed .....	6,349	6,275	6,245	6,216	6,404	6,337	6,382	6,379	6,260	6,411	6,440	6,392	6,488	
Employment-population ratio <sup>2</sup> .....	41.0	40.7	40.6	40.5	41.8	41.5	42.0	42.1	41.4	42.5	42.9	42.7	43.5	
Agriculture .....	373	329	350	329	348	365	347	296	267	283	329	290	346	
Nonagricultural industries .....	5,976	5,946	5,895	5,887	6,056	5,972	6,035	6,083	5,993	6,128	6,111	6,102	6,142	
Unemployed .....	1,866	1,933	1,907	1,857	1,973	1,859	1,885	1,776	1,721	1,618	1,622	1,543	1,553	
Unemployment rate .....	22.7	23.6	23.4	23.0	23.6	22.7	22.8	21.8	21.6	20.2	20.1	19.4	19.3	
Not in labor force .....	7,263	7,221	7,237	7,269	6,926	7,061	6,937	6,999	7,139	7,043	6,960	7,046	6,890	

<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	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
<b>WHITE</b>														
Civilian noninstitutional population <sup>1</sup> .....	150,187	150,382	150,518	150,671	150,810	150,959	151,003	151,021	151,175	151,324	151,484	151,939	152,079	
Civilian labor force .....	96,238	96,265	96,450	96,472	97,235	97,255	97,498	97,507	97,339	97,559	97,724	97,813	98,167	
Percent of population .....	64.1	64.0	64.1	64.0	64.5	64.4	64.6	64.6	64.4	64.5	64.5	64.4	64.6	
Employed .....	87,367	87,530	87,854	88,004	88,836	89,260	89,503	89,693	89,851	90,430	90,779	91,044	91,544	
Employment-population ratio <sup>2</sup> .....	58.2	58.2	58.4	58.4	58.9	59.1	59.3	59.4	59.4	59.8	59.9	59.9	60.2	
Unemployed .....	8,871	8,735	8,596	8,468	8,399	7,995	7,995	7,814	7,488	7,129	6,945	6,768	6,623	
Unemployment rate .....	9.2	9.1	8.9	8.8	8.6	8.2	8.2	8.0	7.7	7.3	7.1	6.9	6.7	
<b>Men, 20 years and over</b>														
Civilian labor force .....	51,271	51,320	51,480	51,561	51,820	51,901	51,878	51,881	51,902	52,021	52,063	52,270	52,335	
Percent of population .....	78.7	78.6	78.7	78.7	79.0	79.0	78.9	79.0	78.9	78.9	78.9	78.8	78.8	
Employed .....	46,772	46,942	47,085	47,231	47,704	47,891	47,886	47,908	48,128	48,414	48,589	48,964	49,149	
Employment-population ratio <sup>2</sup> .....	71.8	71.9	72.0	72.1	72.7	72.9	72.9	73.1	73.5	73.6	73.6	73.8	74.0	
Unemployed .....	4,499	4,378	4,395	4,330	4,116	4,010	3,992	3,973	3,774	3,607	3,474	3,306	3,186	
Unemployment rate .....	8.8	8.5	8.5	8.4	7.9	7.7	7.7	7.7	7.3	6.9	6.7	6.3	6.1	
<b>Women, 20 years and over</b>														
Civilian labor force .....	37,696	37,664	37,793	37,805	38,129	38,161	38,356	38,468	38,438	38,489	38,556	38,505	38,726	
Percent of population .....	52.2	52.1	52.2	52.2	52.6	52.5	52.7	52.8	52.7	52.7	52.8	52.6	52.8	
Employed .....	34,785	34,646	35,049	35,082	35,309	35,574	35,767	35,928	36,016	36,177	36,292	36,180	36,465	
Employment-population ratio <sup>2</sup> .....	48.2	48.2	48.4	48.4	48.7	48.9	49.2	49.3	49.4	49.6	49.7	49.4	49.7	
Unemployed .....	2,911	2,818	2,744	2,723	2,820	2,587	2,589	2,540	2,422	2,312	2,264	2,325	2,261	
Unemployment rate .....	7.7	7.5	7.3	7.2	7.4	6.8	6.7	6.6	6.3	6.0	5.9	6.0	5.8	
<b>Both sexes, 16 to 19 years</b>														
Civilian labor force .....	7,271	7,281	7,177	7,106	7,286	7,193	7,264	7,158	6,999	7,049	7,105	7,038	7,106	
Percent of population .....	56.7	57.0	56.3	56.0	57.6	57.2	57.9	57.3	56.2	56.7	57.2	56.9	57.7	
Employed .....	5,810	5,742	5,720	5,691	5,823	5,795	5,850	5,857	5,707	5,839	5,898	5,900	5,930	
Employment-population ratio <sup>2</sup> .....	45.3	45.0	44.9	44.8	46.1	48.1	46.6	46.9	45.8	47.0	47.5	47.7	48.1	
Unemployed .....	1,461	1,539	1,457	1,415	1,463	1,398	1,414	1,301	1,292	1,210	1,207	1,138	1,176	
Unemployment rate .....	20.1	21.1	20.3	19.9	20.1	19.4	19.5	18.2	18.5	17.2	17.0	16.2	16.5	
Men .....	21.4	22.6	21.4	20.4	20.4	20.3	20.7	18.9	19.8	17.6	17.5	17.8	16.4	
Women .....	18.7	19.6	19.1	19.4	19.7	18.4	18.2	17.4	16.9	16.6	16.5	14.5	16.7	
<b>BLACK</b>														
Civilian noninstitutional population <sup>1</sup> .....	18,796	18,823	18,851	18,880	18,911	18,942	18,966	18,994	19,026	19,057	19,086	19,196	19,222	
Civilian labor force .....	11,561	11,573	11,651	11,645	11,718	11,741	11,724	11,720	11,565	11,623	11,650	11,660	11,881	
Percent of population .....	61.5	61.5	61.8	61.7	62.0	62.0	61.8	61.7	60.8	61.0	61.0	60.7	61.8	
Employed .....	9,272	9,249	9,245	9,277	9,339	9,443	9,408	9,504	9,449	9,563	9,582	9,707	9,958	
Employment-population ratio <sup>2</sup> .....	49.3	49.1	49.0	49.1	49.4	49.9	49.6	50.0	49.7	50.2	50.2	50.6	51.8	
Unemployed .....	2,289	2,324	2,406	2,368	2,379	2,298	2,316	2,216	2,116	2,060	2,068	1,953	1,923	
Unemployment rate .....	19.8	20.1	20.7	20.3	20.3	19.6	19.8	18.9	18.3	17.7	17.8	16.7	16.2	
<b>Men, 20 years and over</b>														
Civilian labor force .....	5,442	5,466	5,530	5,506	5,562	5,599	5,578	5,553	5,501	5,568	5,565	5,621	5,677	
Percent of population .....	74.7	74.8	75.6	75.1	75.7	76.0	75.6	75.1	74.2	74.9	74.7	74.8	75.4	
Employed .....	4,417	4,420	4,425	4,435	4,512	4,559	4,563	4,613	4,607	4,701	4,722	4,789	4,877	
Employment-population ratio <sup>2</sup> .....	60.6	60.5	60.5	60.5	61.4	61.9	61.8	62.4	62.1	63.2	63.4	63.7	64.8	
Unemployed .....	1,025	1,046	1,105	1,071	1,050	1,040	1,015	940	894	867	843	833	800	
Unemployment rate .....	18.8	19.1	20.0	19.5	18.9	18.6	18.2	16.9	16.3	15.6	15.1	14.8	14.1	
<b>Women, 20 years and over</b>														
Civilian labor force .....	5,339	5,325	5,286	5,329	5,287	5,317	5,312	5,358	5,277	5,270	5,303	5,277	5,408	
Percent of population .....	57.7	57.4	56.9	57.2	56.7	56.9	56.7	57.1	56.1	55.9	56.2	55.6	56.9	
Employed .....	4,438	4,400	4,396	4,424	4,391	4,458	4,440	4,495	4,438	4,448	4,461	4,522	4,630	
Employment-population ratio <sup>2</sup> .....	47.9	47.4	47.3	47.5	47.1	47.7	47.4	47.9	47.2	47.2	47.3	47.7	48.7	
Unemployed .....	901	925	892	905	896	859	872	863	839	822	842	755	777	
Unemployment rate .....	16.9	17.4	16.9	17.0	16.9	16.2	16.4	16.1	15.9	15.6	15.9	14.3	14.4	

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	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
<b>BLACK—Continued</b>													
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	780	782	833	810	869	825	834	809	787	785	782	762	796
Percent of population .....	34.7	34.9	37.2	36.3	39.0	37.1	37.6	36.6	35.6	35.6	35.6	34.7	36.4
Employed .....	417	429	424	418	436	426	405	396	404	414	399	397	450
Employment-population ratio <sup>2</sup> .....	18.5	19.1	18.9	18.7	19.6	19.1	18.3	17.9	18.3	18.8	18.2	18.1	20.6
Unemployed .....	363	353	409	392	433	399	429	413	383	371	383	365	346
Unemployment rate .....	46.5	45.1	49.1	48.4	49.8	48.4	51.4	51.1	48.7	47.3	49.0	47.9	43.5
Men .....	47.2	46.5	48.6	52.1	50.7	48.3	53.7	52.7	45.6	44.9	46.4	47.1	46.7
Women .....	45.7	43.5	49.6	44.1	48.7	48.4	48.8	49.2	52.2	50.0	51.9	48.8	39.9
<b>HISPANIC ORIGIN</b>													
Civilian noninstitutional population <sup>1</sup> .....	9,368	9,551	9,665	9,747	9,738	9,640	9,690	9,700	9,745	9,677	9,735	9,778	9,906
Civilian labor force .....	6,001	6,070	6,161	6,139	6,202	6,090	6,145	6,202	6,165	6,232	6,267	6,336	6,292
Percent of population .....	64.1	63.6	63.7	63.0	63.7	63.2	63.4	63.9	63.3	64.4	64.4	64.8	63.5
Employed .....	5,071	5,114	5,259	5,284	5,336	5,339	5,350	5,392	5,398	5,463	5,540	5,627	5,652
Employment-population ratio <sup>2</sup> .....	54.1	53.5	54.4	54.2	54.8	55.4	55.2	55.6	55.4	56.5	56.9	57.6	57.1
Unemployed .....	930	956	902	855	866	751	795	810	767	769	727	708	639
Unemployment rate .....	15.5	15.7	14.6	13.9	14.0	12.3	12.9	13.1	12.4	12.3	11.6	11.2	10.2

<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	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
<b>CHARACTERISTIC</b>													
Total .....	99,172	99,316	99,606	99,762	100,743	101,225	101,484	101,876	101,970	102,606	102,941	103,190	103,892
Married men, spouse present .....	37,491	37,545	37,602	37,616	37,911	38,254	38,281	38,232	38,240	38,388	38,494	38,682	38,911
Married women, spouse present .....	24,129	24,220	24,361	24,304	24,416	24,618	24,905	24,921	24,953	25,057	25,140	24,947	25,212
Women who maintain families .....	5,016	5,093	4,969	4,991	5,029	5,071	5,096	5,124	5,172	5,236	5,254	5,293	5,346
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>													
<b>Agriculture:</b>													
Wage and salary workers .....	1,617	1,558	1,578	1,588	1,624	1,631	1,628	1,572	1,505	1,481	1,512	1,443	1,560
Self-employed workers .....	1,562	1,584	1,595	1,558	1,591	1,573	1,564	1,515	1,527	1,556	1,572	1,613	1,609
Unpaid family workers .....	230	265	219	233	252	251	240	236	227	224	265	233	232
<b>Nonagricultural industries:</b>													
Wage and salary workers .....	87,916	88,078	88,390	88,584	89,345	89,687	90,032	90,743	90,617	91,094	91,422	91,641	92,379
Government .....	15,510	15,479	15,524	15,530	15,514	15,593	15,671	15,560	15,578	15,585	15,481	15,535	15,822
Private industries .....	72,406	72,599	72,866	73,054	73,831	74,094	74,361	75,183	75,039	75,509	75,941	76,106	76,557
Private households .....	1,222	1,234	1,221	1,238	1,295	1,276	1,270	1,279	1,278	1,216	1,241	1,197	1,219
Other industries .....	71,184	71,365	71,645	71,816	72,536	72,818	73,091	73,904	73,761	74,293	74,700	74,909	75,339
Self-employed workers .....	7,403	7,456	7,504	7,448	7,510	7,595	7,641	7,656	7,695	7,800	7,734	7,936	7,849
Unpaid family workers .....	354	344	354	345	352	322	375	380	405	474	450	364	330
<b>PERSONS AT WORK<sup>1</sup></b>													
Nonagricultural industries .....	90,276	90,450	92,233	91,070	90,913	92,126	91,953	93,322	93,273	93,834	94,173	94,707	95,067
Full-time schedules .....	71,703	72,035	73,567	72,949	73,071	73,844	73,499	74,666	75,047	75,398	75,802	76,237	76,715
Part time for economic reasons .....	6,362	6,169	6,077	5,965	5,886	5,700	5,866	6,027	5,724	5,848	5,712	5,943	5,808
Usually work full time .....	2,059	1,934	1,888	1,748	1,777	1,781	1,742	1,771	1,617	1,719	1,672	1,771	1,611
Usually work part time .....	4,303	4,235	4,189	4,217	4,109	3,919	4,124	4,256	4,107	4,129	4,040	4,172	4,197
Part time for noneconomic reasons .....	12,211	12,246	12,589	12,156	11,956	12,582	12,588	12,629	12,502	12,588	12,659	12,527	12,545

<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	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
Total, 16 years and over .....	99,172	99,316	99,606	99,762	100,743	101,225	101,484	101,876	101,970	102,606	102,941	103,190	103,892	
16 to 24 years .....	19,885	19,803	19,806	19,715	20,211	20,215	20,170	20,217	20,085	20,338	20,377	20,401	20,628	
16 to 19 years .....	6,349	6,275	6,245	6,216	6,404	6,337	6,382	6,379	6,260	6,411	6,440	6,392	6,488	
16 to 17 years .....	2,348	2,309	2,291	2,288	2,315	2,283	2,331	2,320	2,257	2,332	2,355	2,321	2,342	
18 to 19 years .....	3,995	3,970	3,954	3,938	4,104	4,067	4,013	4,062	4,012	4,064	4,092	4,114	4,153	
20 to 24 years .....	13,536	13,528	13,561	13,499	13,807	13,878	13,788	13,838	13,825	13,927	13,937	14,008	14,140	
25 years and over .....	79,288	79,507	79,783	80,034	80,528	81,020	81,363	81,668	81,892	82,268	82,551	82,765	83,294	
25 to 54 years .....	65,058	65,309	65,691	65,895	66,380	66,797	67,155	67,323	67,537	67,913	68,179	68,534	68,964	
55 years and over .....	14,182	14,157	14,111	14,129	14,178	14,224	14,231	14,368	14,364	14,364	14,347	14,239	14,293	
Men, 16 years and over .....	55,793	55,895	56,059	56,216	56,844	57,071	57,069	57,279	57,407	57,855	58,043	58,239	58,607	
16 to 24 years .....	10,358	10,303	10,337	10,347	10,689	10,606	10,566	10,634	10,569	10,789	10,770	10,700	10,864	
16 to 19 years .....	3,285	3,222	3,229	3,253	3,352	3,306	3,265	3,332	3,267	3,398	3,385	3,240	3,342	
16 to 17 years .....	1,242	1,210	1,174	1,196	1,219	1,200	1,206	1,217	1,165	1,223	1,224	1,222	1,223	
18 to 19 years .....	2,041	2,013	2,056	2,061	2,147	2,116	2,054	2,120	2,102	2,155	2,151	2,050	2,120	
20 to 24 years .....	7,073	7,081	7,108	7,094	7,337	7,300	7,301	7,302	7,302	7,391	7,385	7,460	7,523	
25 years and over .....	45,434	45,594	45,718	45,881	46,168	46,430	46,511	46,666	46,834	47,073	47,266	47,531	47,745	
25 to 54 years .....	37,000	37,180	37,328	37,483	37,748	37,953	38,052	38,173	38,334	38,550	38,757	39,049	39,271	
55 years and over .....	8,419	8,410	8,394	8,371	8,460	8,481	8,468	8,499	8,499	8,541	8,470	8,495	8,473	
Women, 16 years and over .....	43,379	43,421	43,547	43,546	43,899	44,154	44,415	44,597	44,563	44,751	44,898	44,950	45,285	
16 to 24 years .....	9,527	9,500	9,469	9,368	9,522	9,609	9,604	9,583	9,516	9,549	9,607	9,700	9,763	
16 to 19 years .....	3,064	3,053	3,016	2,963	3,052	3,031	3,117	3,047	2,993	3,013	3,055	3,152	3,147	
16 to 17 years .....	1,106	1,099	1,117	1,092	1,096	1,083	1,125	1,103	1,092	1,109	1,131	1,099	1,119	
18 to 19 years .....	1,954	1,957	1,898	1,877	1,957	1,951	1,959	1,942	1,910	1,909	1,941	2,064	2,033	
20 to 24 years .....	6,463	6,447	6,453	6,405	6,470	6,578	6,487	6,536	6,523	6,536	6,552	6,548	6,617	
25 years and over .....	33,854	33,913	34,065	34,153	34,360	34,590	34,852	35,002	35,058	35,195	35,285	35,234	35,549	
25 to 54 years .....	28,058	28,129	28,363	28,412	28,632	28,844	29,103	29,150	29,203	29,363	29,422	29,485	29,694	
55 years and over .....	5,763	5,747	5,717	5,758	5,718	5,743	5,763	5,869	5,865	5,823	5,877	5,744	5,820	

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

(In thousands)

Sex and age	1983												1984	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
Total, 16 years and over .....	11,516	11,419	11,369	11,188	11,162	10,600	10,633	10,353	9,896	9,429	9,195	9,026	8,801	
16 to 24 years .....	4,455	4,398	4,381	4,330	4,322	4,096	4,197	3,994	3,899	3,692	3,564	3,537	3,410	
16 to 19 years .....	1,866	1,933	1,907	1,857	1,973	1,859	1,885	1,776	1,721	1,618	1,622	1,543	1,553	
16 to 17 years .....	742	786	798	788	798	767	767	731	712	653	700	649	663	
18 to 19 years .....	1,114	1,157	1,106	1,066	1,176	1,071	1,107	1,046	1,020	972	947	878	881	
20 to 24 years .....	2,589	2,465	2,474	2,473	2,349	2,237	2,312	2,218	2,178	2,074	1,942	1,994	1,857	
25 years and over .....	7,080	6,999	6,956	6,898	6,871	6,486	6,424	6,370	6,002	5,728	5,659	5,474	5,405	
25 to 54 years .....	6,226	6,209	6,106	6,106	5,990	5,707	5,668	5,610	5,259	5,007	4,938	4,789	4,742	
55 years and over .....	815	807	825	798	825	798	765	785	753	741	742	700	636	
Men, 16 years and over .....	6,756	6,673	6,722	6,604	6,409	6,248	6,200	6,049	5,759	5,457	5,258	5,149	4,946	
16 to 24 years .....	2,550	2,486	2,501	2,505	2,448	2,397	2,408	2,271	2,209	2,042	1,998	1,971	1,857	
16 to 19 years .....	1,039	1,078	1,040	1,021	1,057	1,031	1,050	984	950	861	866	849	818	
16 to 17 years .....	400	431	432	435	429	451	423	383	374	344	372	336	337	
18 to 19 years .....	628	649	610	591	635	568	619	605	579	524	501	501	469	
20 to 24 years .....	1,511	1,408	1,461	1,484	1,391	1,366	1,358	1,287	1,259	1,181	1,132	1,122	1,039	
25 years and over .....	4,213	4,178	4,213	4,124	3,962	3,826	3,791	3,794	3,552	3,417	3,283	3,154	3,089	
25 to 54 years .....	3,680	3,656	3,646	3,602	3,465	3,337	3,311	3,315	3,074	2,935	2,799	2,743	2,686	
55 years and over .....	517	518	549	516	492	489	482	507	482	490	481	431	396	
Women, 16 years and over .....	4,760	4,746	4,647	4,584	4,753	4,352	4,433	4,304	4,137	3,972	3,937	3,876	3,855	
16 to 24 years .....	1,905	1,912	1,880	1,825	1,874	1,699	1,789	1,723	1,690	1,650	1,566	1,566	1,552	
16 to 19 years .....	827	855	867	836	916	828	835	792	771	757	756	694	735	
16 to 17 years .....	342	355	366	353	369	316	344	348	338	309	328	313	326	
18 to 19 years .....	486	508	496	475	541	503	488	441	441	448	446	377	412	
20 to 24 years .....	1,078	1,057	1,013	989	958	871	954	931	919	893	810	872	817	
25 years and over .....	2,867	2,811	2,743	2,774	2,909	2,660	2,633	2,576	2,450	2,311	2,376	2,320	2,316	
25 to 54 years .....	2,546	2,553	2,460	2,504	2,525	2,370	2,357	2,295	2,185	2,072	2,139	2,046	2,057	
55 years and over .....	298	289	276	282	333	309	283	278	271	251	261	269	240	

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

(Civilian workers)

Sex and age	1983											1984	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Total, 16 years and over .....	10.4	10.3	10.2	10.1	10.0	9.5	9.5	9.2	8.8	8.4	8.2	8.0	7.8
16 to 24 years .....	18.3	18.2	18.1	18.0	17.6	16.8	17.2	16.5	16.3	15.4	14.9	14.8	14.2
16 to 19 years .....	22.7	23.6	23.4	23.0	23.6	22.7	22.8	21.8	21.6	20.2	20.1	19.4	19.3
16 to 17 years .....	24.0	25.4	25.8	25.6	25.6	25.1	24.8	24.0	24.0	21.9	22.9	21.9	22.1
18 to 19 years .....	21.8	22.6	21.9	21.3	22.3	20.8	21.6	20.5	20.3	19.3	18.8	17.6	17.5
20 to 24 years .....	16.1	15.4	15.4	15.5	14.5	13.9	14.4	13.8	13.6	13.0	12.2	12.5	11.6
25 years and over .....	8.2	8.1	8.0	7.9	7.9	7.4	7.3	7.2	6.8	6.5	6.4	6.2	6.1
25 to 54 years .....	8.7	8.7	8.5	8.5	8.3	7.9	7.8	7.7	7.2	6.9	6.8	6.5	6.4
55 years and over .....	5.4	5.4	5.5	5.3	5.5	5.3	5.1	5.2	5.0	4.9	4.9	4.7	4.3
Men, 16 years and over .....	10.8	10.7	10.7	10.5	10.1	9.9	9.8	9.6	9.1	8.6	8.3	8.1	7.8
16 to 24 years .....	19.8	19.4	19.5	19.5	18.6	18.4	18.6	17.6	17.3	15.9	15.6	15.6	14.6
16 to 19 years .....	24.0	25.1	24.4	23.9	24.0	23.8	24.3	22.8	22.5	20.2	20.4	20.8	19.7
16 to 17 years .....	24.4	26.3	26.9	26.7	26.0	27.3	26.0	23.9	24.3	22.0	23.3	21.6	21.6
18 to 19 years .....	23.5	24.4	22.9	22.3	22.8	21.2	23.2	22.2	21.6	19.6	18.9	19.6	18.1
20 to 24 years .....	17.6	16.6	17.0	17.3	15.9	15.8	15.7	15.0	14.7	13.8	13.3	13.1	12.1
25 years and over .....	8.5	8.4	8.4	8.2	7.9	7.6	7.5	7.5	7.0	6.8	6.5	6.2	6.1
25 to 54 years .....	9.0	9.0	8.9	8.8	8.4	8.1	8.0	8.0	7.4	7.1	6.7	6.6	6.4
55 years and over .....	5.8	5.8	6.1	5.8	5.5	5.5	5.4	5.6	5.4	5.4	5.4	4.8	4.5
Women, 16 years and over .....	9.9	9.9	9.6	9.5	9.8	9.0	9.1	8.8	8.5	8.2	8.1	7.9	7.8
16 to 24 years .....	16.7	16.8	16.6	16.3	16.4	15.0	15.7	15.2	15.1	14.7	14.0	13.9	13.7
16 to 19 years .....	21.3	21.9	22.3	22.0	23.1	21.5	21.1	20.6	20.5	20.1	19.8	18.0	18.9
16 to 17 years .....	23.6	24.4	24.7	24.4	25.2	22.6	23.4	24.0	23.6	21.8	22.5	22.2	22.6
18 to 19 years .....	19.9	20.6	20.7	20.2	21.7	20.5	19.9	18.5	18.8	19.0	18.7	15.4	16.9
20 to 24 years .....	14.3	14.1	13.6	13.4	12.9	11.7	12.8	12.5	12.3	12.0	11.0	11.7	11.0
25 years and over .....	7.8	7.7	7.5	7.5	7.8	7.1	7.0	6.9	6.5	6.2	6.3	6.2	6.1
25 to 54 years .....	8.3	8.3	8.0	8.1	8.1	7.6	7.5	7.3	7.0	6.6	6.8	6.5	6.5
55 years and over .....	4.9	4.8	4.6	4.7	5.5	5.1	4.7	4.5	4.4	4.1	4.3	4.5	4.0

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

(Unemployment rates)

Category	1983											1984	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
<b>CHARACTERISTIC</b>													
Total (all civilian workers) .....	10.4	10.3	10.2	10.1	10.0	9.5	9.5	9.2	8.8	8.4	8.2	8.0	7.8
Men, 20 years and over .....	9.8	9.6	9.7	9.5	9.1	8.8	8.7	8.6	8.2	7.8	7.4	7.3	7.0
Women, 20 years and over .....	8.9	8.8	8.5	8.5	8.6	7.9	8.0	7.8	7.5	7.2	7.1	7.1	6.9
Both sexes, 16 to 19 years .....	22.7	23.6	23.4	23.0	23.6	22.7	22.8	21.8	21.6	20.2	20.1	19.4	19.3
White .....	9.2	9.1	8.9	8.8	8.6	8.2	8.2	8.0	7.7	7.3	7.1	6.9	6.7
Black and other .....	18.2	18.6	18.7	18.5	18.6	17.9	17.9	17.3	16.7	16.1	16.3	15.6	14.9
Black .....	19.8	20.1	20.7	20.3	20.3	19.6	19.8	18.9	18.3	17.7	17.8	16.7	16.2
Hispanic origin .....	15.5	15.7	14.6	13.9	14.0	12.3	12.9	13.1	12.4	12.3	11.6	11.2	10.2
Married men, spouse present .....	7.2	7.1	7.1	7.0	6.7	6.2	6.3	6.1	5.7	5.5	5.2	5.0	4.9
Married women, spouse present .....	7.6	7.5	7.4	7.4	7.6	7.0	6.9	6.8	6.3	6.0	6.1	6.0	5.9
Women who maintain families .....	13.2	13.3	13.0	12.7	12.5	11.8	11.8	12.0	11.4	10.5	10.9	10.7	11.0
Full-time workers .....	10.4	10.2	10.2	10.0	9.7	9.4	9.3	9.1	8.7	8.2	8.0	7.8	7.5
Part-time workers .....	10.1	10.6	10.5	10.9	11.8	10.2	10.2	10.1	10.0	9.8	9.8	9.2	9.3
Unemployed 15 weeks and over <sup>1</sup> .....	4.2	4.1	4.0	4.1	4.0	3.9	3.6	3.5	3.3	3.1	3.0	2.9	2.6
Labor force time lost <sup>2</sup> .....	11.9	11.7	11.5	11.5	11.1	10.7	10.7	10.5	10.0	9.7	9.4	9.2	8.9
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers .....	10.8	10.7	10.5	10.4	10.1	9.7	9.8	9.4	9.0	8.6	8.3	7.9	7.8
Mining .....	19.1	19.2	20.3	20.8	17.9	16.6	14.9	16.9	12.1	12.8	12.4	10.9	12.2
Construction .....	19.9	20.2	20.0	20.0	18.4	18.0	17.9	18.1	15.8	15.6	16.3	15.0	15.1
Manufacturing .....	13.1	12.8	12.5	12.3	11.6	10.7	11.2	10.2	9.6	8.9	8.3	8.4	7.5
Durable goods .....	14.5	14.3	13.7	13.5	12.5	11.4	11.7	10.9	10.2	9.0	8.3	8.0	7.3
Nondurable goods .....	11.0	10.8	10.8	10.6	10.2	9.7	10.5	9.3	8.7	8.7	8.2	8.9	7.6
Transportation and public utilities .....	8.0	7.6	7.7	7.3	7.8	7.3	7.7	7.4	7.2	6.7	6.5	5.1	5.9
Wholesale and retail trade .....	10.9	10.9	10.4	10.2	10.2	9.6	9.8	9.5	9.8	9.1	8.8	8.4	8.3
Finance and service industries .....	7.4	7.3	7.3	7.5	7.2	7.3	7.2	7.0	6.9	6.7	6.6	6.3	6.3
Agricultural wage and salary workers .....	16.3	15.9	16.8	16.8	16.5	15.0	15.1	16.5	16.2	15.7	15.6	15.5	14.0

<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	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
<b>DURATION</b>													
Less than 5 weeks .....	3,732	3,535	3,595	3,568	3,630	3,529	3,633	3,740	3,504	3,328	3,382	3,233	3,359
5 to 14 weeks .....	3,169	3,173	3,139	3,012	2,950	2,841	2,951	2,784	2,725	2,616	2,504	2,556	2,484
15 weeks and over .....	4,613	4,587	4,396	4,510	4,486	4,398	4,078	3,889	3,655	3,527	3,369	3,201	2,984
15 to 26 weeks .....	1,928	1,861	1,691	1,774	1,593	1,794	1,597	1,383	1,372	1,337	1,284	1,166	1,173
27 weeks and over .....	2,685	2,726	2,705	2,736	2,893	2,604	2,481	2,506	2,283	2,190	2,085	2,035	1,810
Average (mean) duration, in weeks .....	19.1	19.2	19.2	20.2	21.4	21.3	19.9	20.2	20.1	20.2	19.6	20.5	18.8
Median duration, in weeks .....	9.8	10.4	10.8	11.9	10.8	10.1	9.4	9.4	9.5	9.4	9.0	9.2	8.3
<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 .....	32.4	31.3	32.3	32.2	32.8	32.8	34.1	35.9	35.5	35.1	36.5	36.0	38.1
5 to 14 weeks .....	27.5	28.1	28.2	27.2	26.7	26.4	27.7	26.7	27.6	27.6	27.1	28.4	28.1
15 weeks and over .....	40.1	40.6	39.5	40.7	40.5	40.8	38.2	37.3	37.0	37.2	36.4	35.6	33.8
15 to 26 weeks .....	16.7	16.5	15.2	16.0	14.4	16.7	15.0	13.3	13.9	14.1	13.9	13.0	13.3
27 weeks and over .....	23.3	24.1	24.3	24.7	26.1	24.2	23.3	24.1	23.1	23.1	22.5	22.6	20.5

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

(Numbers in thousands)

Reasons for unemployment	1983											1984	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
<b>NUMBER OF UNEMPLOYED</b>													
Job losers .....	6,864	6,848	6,767	6,753	6,525	6,235	6,133	5,938	5,601	5,226	5,017	4,825	4,737
On layoff .....	2,084	2,005	1,979	1,958	1,841	1,735	1,660	1,562	1,392	1,321	1,283	1,238	1,272
Other job losers .....	4,780	4,843	4,788	4,795	4,684	4,500	4,473	4,376	4,209	3,905	3,734	3,588	3,465
Job leavers .....	830	888	816	808	799	752	799	858	866	868	855	809	772
Reentrants .....	2,505	2,460	2,491	2,404	2,436	2,415	2,479	2,362	2,322	2,250	2,246	2,192	2,153
New entrants .....	1,188	1,182	1,251	1,246	1,412	1,229	1,214	1,234	1,127	1,154	1,150	1,175	1,092
<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 .....	60.3	60.2	59.8	60.2	58.4	58.6	57.7	57.1	56.5	55.0	54.1	53.6	54.1
On layoff .....	18.3	17.6	17.5	17.5	16.5	16.3	15.6	15.0	14.0	13.9	13.8	13.7	14.5
Other job losers .....	42.0	42.6	42.3	42.8	41.9	42.3	42.1	42.1	42.4	41.1	40.3	39.9	39.6
Job leavers .....	7.3	7.8	7.2	7.2	7.2	7.1	7.5	8.3	8.7	9.1	9.2	9.0	8.8
Reentrants .....	22.0	21.6	22.0	21.4	21.8	22.7	23.3	22.7	23.4	23.7	24.2	24.4	24.6
New entrants .....	10.4	10.4	11.0	11.1	12.6	11.6	11.4	11.9	11.4	12.1	12.4	13.1	12.5
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	6.2	6.2	6.1	6.1	5.8	5.6	5.5	5.3	5.0	4.7	4.5	4.3	4.2
Job leavers .....	.7	.8	.7	.7	.7	.7	.7	.8	.8	.8	.8	.7	.7
Reentrants .....	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.0	2.0	2.0	1.9
New entrants .....	1.1	1.1	1.1	1.1	1.3	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0



**ESTABLISHMENT DATA  
HISTORICAL EMPLOYMENT**

**B-1. Employees on nonagricultural payrolls by industry division, 1933 to data**

(In thousands)

Year and month	Goods-producing										Service-producing					
	Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government				
							Total	Wholesale trade	Retail trade			Total	Federal	State and local		
<b>Annual averages</b>																
1933.....	23,699	8,965	744	824	7,337	14,734	2,672	4,755	-	-	1,280	2,861	3,166	565	2,601	
1934.....	25,940	10,261	883	877	8,501	15,679	2,750	5,281	-	-	1,304	3,045	3,299	652	2,647	
1935.....	27,039	10,893	897	927	9,069	16,146	2,786	5,431	-	-	1,320	3,128	3,481	753	2,728	
1936.....	29,068	11,333	946	1,160	9,527	17,135	2,973	5,809	-	-	1,373	3,312	3,668	826	2,842	
1937.....	31,011	12,936	1,015	1,127	10,794	18,075	3,134	6,265	-	-	1,417	3,503	3,756	833	2,923	
1938.....	29,194	11,401	891	1,070	9,440	17,793	2,863	6,179	-	-	1,410	3,458	3,883	829	2,904	
1939.....	30,603	12,297	854	1,165	10,278	18,306	2,936	6,426	1,762	4,654	1,447	3,502	3,995	905	3,090	
1940.....	32,361	13,221	925	1,311	10,985	19,140	3,038	6,750	1,835	4,914	1,485	3,665	4,202	996	3,206	
1941.....	36,533	15,963	957	1,814	13,192	20,574	3,274	7,210	1,960	5,251	1,525	3,905	4,660	1,340	3,320	
1942.....	40,106	18,470	992	2,198	15,280	21,636	3,460	7,118	1,906	5,212	1,509	4,066	5,483	2,213	3,270	
1943.....	42,434	20,114	925	1,537	17,602	22,320	3,647	6,982	1,822	5,160	1,481	4,130	6,080	2,905	3,175	
1944.....	41,864	19,328	892	1,108	17,328	22,536	3,829	7,058	1,845	5,214	1,461	4,145	6,043	2,928	3,116	
1945.....	40,374	17,507	836	1,147	15,524	22,857	3,905	7,314	1,949	5,365	1,481	4,222	5,944	2,808	3,127	
1946.....	41,652	17,248	862	1,683	14,703	24,404	4,061	8,376	2,291	6,084	1,675	4,697	5,595	2,254	3,341	
1947.....	43,857	18,509	955	2,009	15,545	25,348	4,166	8,955	2,471	6,485	1,728	5,025	5,474	1,892	3,582	
1948.....	44,866	18,774	994	2,198	15,582	26,392	4,189	9,272	2,605	6,567	1,800	5,181	5,650	1,863	3,787	
1949.....	43,754	17,565	930	2,194	14,441	26,199	4,001	9,264	2,602	6,662	1,828	5,240	5,856	1,908	3,948	
1950.....	45,197	18,506	901	2,364	15,241	26,691	4,034	9,386	2,635	6,751	1,888	5,357	6,026	1,928	4,098	
1951.....	47,819	19,959	929	2,637	16,333	27,860	4,226	9,742	2,727	7,015	1,956	5,547	6,389	2,302	4,297	
1952.....	48,793	20,198	898	2,668	16,632	28,595	4,248	10,004	2,812	7,192	2,035	5,699	6,603	2,420	4,188	
1953.....	50,202	21,074	866	2,659	17,543	29,128	4,290	10,247	2,854	7,393	2,111	5,835	6,645	2,305	4,240	
1954.....	48,990	19,751	791	2,646	16,314	29,239	4,084	10,235	2,867	7,368	2,200	5,969	6,751	2,188	4,563	
1955.....	50,641	20,513	792	2,839	16,882	30,128	4,141	10,535	2,926	7,610	2,298	6,240	6,914	2,187	4,727	
1956.....	52,369	21,104	822	3,039	17,243	31,266	4,244	10,658	3,018	7,840	2,389	6,497	7,278	2,209	5,069	
1957.....	52,853	21,964	828	2,962	17,174	31,889	4,241	10,886	3,028	7,858	2,438	6,708	7,616	2,217	5,399	
1958.....	51,324	19,513	751	2,817	15,945	31,811	3,976	10,750	2,980	7,770	2,481	6,765	7,839	2,191	5,648	
1959.....	53,268	20,411	732	3,004	16,675	32,857	4,011	11,127	3,082	8,045	2,549	7,087	8,083	2,233	5,850	
1960.....	54,189	20,434	712	2,926	16,796	33,755	4,004	11,391	3,143	8,248	2,629	7,378	8,353	2,270	6,083	
1961.....	53,999	19,857	672	2,859	16,326	34,142	3,903	11,337	3,133	8,204	2,688	7,620	8,594	2,279	6,315	
1962.....	55,549	20,451	650	2,948	16,853	35,098	3,906	11,566	3,198	8,368	2,754	7,982	8,890	2,340	6,550	
1963.....	56,653	20,640	635	3,010	16,995	36,013	3,903	11,778	3,248	8,530	2,830	8,277	9,225	2,358	6,869	
1964.....	58,283	21,005	634	3,097	17,274	37,278	3,951	12,160	3,337	8,823	2,911	8,660	9,596	2,348	7,248	
1965.....	60,765	21,926	632	3,232	18,062	38,839	4,035	12,716	3,466	9,250	2,977	9,036	10,074	2,373	7,596	
1966.....	63,901	23,158	627	3,317	19,214	40,743	4,153	13,245	3,597	9,648	3,058	9,498	10,784	2,564	8,220	
1967.....	65,803	23,308	613	3,248	19,447	42,495	4,268	13,606	3,689	9,917	3,185	10,045	11,391	2,719	8,672	
1968.....	67,897	23,737	606	3,350	19,781	44,160	4,318	14,099	3,779	10,320	3,337	10,567	11,839	2,737	9,102	
1969.....	70,384	24,361	619	3,575	20,167	46,023	4,442	14,705	3,907	10,798	3,512	11,159	12,195	2,758	9,427	
1970.....	70,880	23,578	623	3,588	19,367	47,302	4,515	15,040	3,993	11,047	3,645	11,548	12,554	2,731	9,823	
1971.....	71,214	22,935	609	3,704	18,623	48,278	4,476	15,352	4,001	11,351	3,772	11,797	12,881	2,694	10,185	
1972.....	73,675	23,668	628	3,889	19,151	50,007	4,541	15,949	4,113	11,836	3,908	12,276	13,334	2,684	10,649	
1973.....	76,790	24,693	642	4,097	20,154	51,897	4,656	16,607	4,277	12,329	4,046	12,857	13,732	2,663	11,069	
1974.....	78,265	24,794	697	4,020	20,077	53,471	4,725	16,987	4,433	12,554	4,148	13,441	14,170	2,724	11,446	
1975.....	76,945	22,600	752	3,525	18,323	54,345	4,542	17,060	4,415	12,645	4,165	13,892	14,686	2,748	11,927	
1976.....	79,382	23,352	779	3,576	18,997	56,030	4,582	17,755	4,546	13,209	4,271	14,551	14,871	2,733	12,138	
1977.....	82,471	24,346	813	3,851	19,682	58,125	4,713	18,516	4,708	13,808	4,467	15,303	15,127	2,727	12,399	
1978.....	86,697	25,585	851	4,229	20,505	61,113	4,923	19,542	4,969	14,573	4,724	16,252	15,972	2,753	12,919	
1979.....	89,823	26,461	958	4,463	21,040	63,363	5,136	20,192	5,204	14,989	4,975	17,112	15,647	2,773	13,174	
1980.....	90,406	25,658	1,027	4,346	20,285	64,748	5,146	20,310	5,275	15,035	5,160	17,890	16,241	2,866	13,375	
1981.....	91,156	25,457	1,139	4,168	20,170	65,659	5,165	20,547	5,358	15,189	5,298	18,619	16,031	2,772	13,259	
1982.....	89,596	23,907	1,443	3,911	18,853	65,689	5,081	20,401	5,280	15,122	5,340	19,064	15,803	2,739	13,064	
1983.....	89,978	23,646	1,021	3,947	18,678	66,332	4,941	20,513	5,232	15,281	5,454	19,680	15,744	2,752	12,992	
<b>Monthly data, seasonally adjusted</b>																
<b>1983:</b>																
February....	88,746	23,049	1,014	3,790	18,245	65,697	4,966	20,343	5,181	15,162	5,384	19,262	15,742	2,742	13,000	
March.....	88,814	23,030	1,006	3,757	18,267	65,784	4,963	20,350	5,176	15,174	5,391	19,356	15,724	2,742	12,982	
April.....	89,090	23,159	997	3,786	18,376	65,931	4,988	20,329	5,180	15,149	5,423	19,478	15,713	2,738	12,975	
May.....	89,421	23,347	994	3,860	18,493	66,074	4,993	20,356	5,197	15,159	5,435	19,546	15,744	2,756	12,988	
June.....	89,844	23,518	1,003	3,933	18,582	66,326	4,992	20,494	5,222	15,272	5,451	19,668	15,721	2,742	12,979	
July.....	90,152	23,724	1,017	3,974	18,733	66,428	4,984	20,529	5,229	15,300	5,465	19,770	15,680	2,738	12,942	
August.....	89,748	23,830	1,023	4,014	18,793	66,918	4,341	20,580	5,249	15,331	5,488	19,835	15,674	2,746	12,928	
September..	90,851	23,935	1,026	4,038	18,871	66,916	5,031	20,612	5,274	15,338	5,499	19,913	15,861	2,778	13,083	
October.....	91,084	24,168	1,044	4,060	19,064	66,916	5,019	20,666	5,287	15,379	5,503	19,956	15,772	2,761	13,011	
November....	91,355	24,311	1,045	4,094	19,172	67,044	5,019	20,718	5,291	15,427	5,515	20,016	15,776	2,763	13,013	
December....	91,599	24,415	1,047	4,088	19,280	67,184	5,015	20,781	5,313	15,468	5,525	20,093	15,770	2,768	13,002	
<b>1984:</b>																
January..P..	91,863	24,611	1,050	4,176	19,385	67,252	5,042	20,846	5,341	15,505	5,553	20,096	15,715	2,763	12,952	

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
-	<b>TOTAL</b> .....	89,978	87,660	92,247	90,572	91,033	-	-	-	-	-
-	<b>PRIVATE SECTOR</b> .....	74,234	71,905	76,270	74,853	75,061	59,925	57,776	61,760	60,340	60,498
-	<b>MINING</b> .....	1,021	1,028	1,045	1,042	1,040	722	729	744	742	740
10	<b>METAL MINING</b> .....	61.6	62.2	62.0	63.2	-	44.9	44.6	45.3	46.1	-
101	Iron ores .....	8.1	9.2	7.6	8.8	-	5.4	6.1	5.2	6.2	-
102	Copper ores .....	19.8	20.2	19.7	19.6	-	14.2	14.6	13.8	13.7	-
11, 12	<b>COAL MINING</b> .....	208.6	209.2	213.6	214.1	-	167.7	167.2	172.6	173.1	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	205.9	206.1	211.0	211.6	-	165.4	164.5	170.4	170.9	-
13	<b>OIL AND GAS EXTRACTION</b> .....	639.8	658.5	658.7	659.9	-	425.4	445.0	442.5	445.0	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	280.4	280.6	277.7	279.2	-	129.6	131.2	126.9	129.4	-
138	Oil and gas field services .....	359.4	377.9	381.0	380.7	-	295.9	313.8	315.6	315.6	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	110.9	98.2	110.2	104.5	-	84.0	72.0	83.1	77.4	-
142	Crushed and broken stone .....	37.9	30.6	37.2	33.7	-	29.7	22.8	29.3	25.6	-
144	Sand and gravel .....	33.9	28.2	33.7	31.8	-	-	-	-	-	-
147	Chemical and fertilizer minerals .....	20.4	21.9	20.6	20.8	-	-	-	-	-	-
-	<b>CONSTRUCTION</b> .....	3,947	3,528	4,055	3,771	3,753	3,035	2,638	3,133	2,859	2,835
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	1,020.3	901.4	1,076.7	1,011.3	-	754.5	648.6	803.1	738.3	-
152	Residential building construction .....	483.1	410.6	510.4	475.1	-	346.1	282.9	369.3	334.1	-
153	Operative builders .....	56.2	46.6	60.6	59.8	-	30.8	23.3	33.2	32.5	-
154	Nonresidential building construction .....	480.9	444.2	505.7	476.4	-	377.6	342.4	400.6	371.7	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	797.7	706.1	764.6	691.3	-	636.3	541.3	613.4	545.9	-
161	Highway and street construction .....	220.2	153.6	199.3	164.3	-	183.1	118.7	163.3	129.3	-
162	Heavy construction, except highway .....	577.5	552.5	565.3	527.0	-	453.1	422.6	450.1	416.6	-
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	2,129.0	1,920.9	2,213.7	2,068.1	-	1,643.6	1,447.9	1,716.9	1,574.7	-
171	Plumbing, heating, air conditioning .....	492.5	476.1	513.8	507.6	-	354.8	339.9	374.8	369.6	-
172	Painting, paper hanging, decorating .....	126.0	105.0	129.5	116.7	-	104.1	83.2	107.8	94.9	-
173	Electrical work .....	396.8	388.4	417.4	406.0	-	299.8	291.5	319.4	305.7	-
174	Masonry, stonework, and plastering .....	323.5	285.0	343.5	304.9	-	273.1	236.9	290.7	252.9	-
175	Carpentering and flooring .....	115.4	102.9	124.1	120.0	-	86.5	75.6	93.0	90.0	-
176	Roofing and sheet metal work .....	155.0	142.9	162.2	147.7	-	122.6	110.9	129.5	115.4	-
-	<b>MANUFACTURING</b> .....	18,678	18,045	19,235	19,169	19,308	12,696	12,115	13,180	13,124	13,256
24, 25, 32-39	<b>DURABLE GOODS</b> .....	10,932	10,496	11,379	11,363	11,475	7,246	6,847	7,637	7,626	7,726
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	7,747	7,549	7,856	7,806	7,833	5,450	5,268	5,543	5,498	5,530
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	676.9	601.0	699.1	686.6	691.3	564.5	493.0	585.5	573.8	578.0
241	Logging camps and logging contractors .....	84.3	75.8	82.6	77.0	-	66.0	58.5	64.4	60.5	-
242	Sawmills and planing mills .....	202.0	178.7	209.6	207.5	-	178.8	156.3	186.1	183.6	-
2421	Sawmills and planing mills, general .....	168.9	148.9	173.9	171.9	-	149.9	130.5	154.7	152.3	-
2426	Hardwood dimension and flooring .....	28.6	25.9	30.8	30.8	-	25.0	22.3	27.2	27.1	-
243	Millwork, plywood, and structural members .....	204.6	181.3	217.6	216.7	-	169.3	147.2	181.5	180.2	-
2431	Millwork .....	79.0	69.7	83.5	83.0	-	63.5	54.9	67.5	66.8	-
2434	Wood kitchen cabinets .....	47.5	40.5	53.4	53.5	-	37.8	31.3	43.3	43.3	-
2435	Hardwood veneer and plywood .....	22.9	21.1	24.1	24.2	-	20.1	18.3	21.4	21.3	-
2436	Softwood veneer and plywood .....	38.1	36.3	38.0	37.9	-	34.2	32.3	34.4	34.3	-
244	Wood containers .....	39.6	36.1	40.4	39.6	-	33.4	30.0	34.3	33.6	-
245	Wood buildings and mobile homes .....	72.7	59.8	72.9	69.9	-	55.8	44.1	55.9	52.8	-
2451	Mobile homes .....	52.1	42.5	51.7	49.8	-	41.7	32.8	41.1	39.2	-
249	Miscellaneous wood products .....	73.8	69.3	76.0	75.9	-	61.2	56.9	63.3	63.1	-
25	<b>FURNITURE AND FIXTURES</b> .....	450.8	429.9	477.0	476.4	480.2	356.0	339.2	381.4	381.0	384.7
251	Household furniture .....	278.8	267.9	291.3	290.0	-	231.0	220.5	242.9	242.0	-
2511	Wood household furniture .....	124.0	120.9	128.7	127.8	-	107.0	103.6	111.7	110.7	-
2512	Upholstered household furniture .....	89.1	83.3	94.0	93.5	-	72.1	67.0	76.8	76.5	-
2514	Metal household furniture .....	28.2	27.7	30.5	31.7	-	22.7	22.2	24.8	25.8	-
2515	Mattresses and bedsprings .....	28.5	26.9	28.6	28.5	-	21.5	20.0	21.5	21.8	-
252	Office furniture .....	57.6	54.8	63.1	63.6	-	44.3	42.0	49.0	49.4	-
253	Public building and related furniture .....	21.4	20.3	22.5	22.2	-	15.7	15.0	16.8	16.6	-
254	Partitions and fixtures .....	59.7	55.4	63.8	64.1	-	44.2	40.2	47.6	47.8	-
259	Miscellaneous furniture and fixtures .....	33.3	31.5	36.3	36.5	-	22.8	21.5	25.1	25.2	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	574.7	535.5	583.2	569.7	574.7	438.6	401.6	446.7	433.0	438.1
321	Flat glass	17.1	16.3	17.9	17.6	-	13.4	12.9	14.2	13.9	-
322	Glass and glassware, pressed or blown	103.2	102.5	100.9	98.8	-	86.8	85.5	85.2	82.9	-
3221	Glass containers	56.7	57.7	53.2	51.6	-	49.8	50.7	46.6	45.1	-
3229	Pressed and blown glass, nec	46.5	44.8	47.7	47.2	-	37.0	34.8	38.6	37.8	-
323	Products of purchased glass	42.7	39.8	45.1	45.0	-	28.7	26.6	31.1	30.7	-
324	Cement, hydraulic	25.8	24.8	26.1	25.6	-	20.2	19.2	20.5	20.0	-
325	Structural clay products	36.4	32.5	38.1	37.2	-	27.5	23.6	29.3	28.5	-
326	Pottery and related products	38.7	37.5	40.0	39.4	-	30.6	30.1	31.8	31.3	-
327	Concrete, gypsum, and plaster products	186.9	164.1	187.2	178.6	-	143.0	121.3	142.7	134.3	-
3271	Concrete block and brick	18.2	16.1	18.3	17.7	-	12.3	10.6	12.7	11.9	-
3272	Concrete products, nec	59.7	53.2	61.1	59.3	-	44.1	37.6	45.0	43.1	-
3273	Ready-mixed concrete	91.0	77.5	88.9	82.8	-	72.1	59.4	70.0	64.3	-
329	Misc. nonmetallic mineral products	113.8	108.6	117.8	117.9	-	80.4	75.2	83.8	83.8	-
3291	Abrasive products	22.2	21.1	23.1	23.4	-	14.4	13.3	15.3	15.5	-
3292	Asbestos products	13.1	12.6	13.4	13.1	-	9.7	9.4	10.1	10.0	-
3296	Mineral wool	26.5	25.4	27.2	26.7	-	-	-	-	-	-
33	<b>PRIMARY METAL INDUSTRIES</b>	838.9	815.3	868.2	869.4	876.4	625.4	597.6	656.3	660.7	666.7
331	Blast furnace and basic steel products	336.3	334.4	339.1	338.1	-	252.8	247.6	259.6	260.7	-
3312	Blast furnaces and steel mills	275.3	276.0	275.5	274.3	-	208.3	205.8	212.2	213.1	-
3317	Steel pipe and tubes	22.4	21.4	22.9	22.7	-	15.9	14.7	16.7	16.5	-
332	Iron and steel foundries	143.3	135.7	152.5	153.6	-	109.7	101.5	119.1	120.3	-
3321	Gray iron foundries	92.8	86.2	100.1	100.1	-	73.5	66.5	80.7	80.9	-
3322	Malleable iron foundries	10.8	10.1	11.7	12.3	-	7.8	7.2	8.6	9.0	-
3325	Steel foundries, nec	30.3	29.9	31.0	31.5	-	22.0	21.5	22.9	23.4	-
333	Primary nonferrous metals	50.2	49.3	52.8	53.2	-	36.2	34.8	38.8	39.2	-
3334	Primary aluminum	26.3	25.7	28.9	29.3	-	19.9	18.8	22.4	22.7	-
335	Nonferrous rolling and drawing	183.5	179.1	188.3	188.0	-	129.2	125.0	132.8	132.9	-
3351	Copper rolling and drawing	26.4	24.7	27.5	27.6	-	19.3	17.8	20.5	20.6	-
3353	Aluminum sheet, plate, and foil	30.1	29.3	31.2	31.0	-	23.2	22.4	23.8	23.8	-
3357	Nonferrous wire drawing and insulating	76.2	75.2	77.8	77.7	-	53.4	52.7	54.7	54.8	-
336	Nonferrous foundries	84.2	77.4	90.9	91.8	-	67.1	60.4	73.0	74.1	-
3361	Aluminum foundries	50.4	45.7	54.9	55.6	-	41.2	36.8	45.1	45.7	-
34	<b>FABRICATED METAL PRODUCTS</b>	1,396.2	1,353.8	1,449.2	1,447.1	1,459.0	1,012.0	970.8	1,059.7	1,058.8	1,070.4
341	Metal cans and shipping containers	62.6	61.6	60.8	60.5	-	52.9	51.9	51.5	51.4	-
3411	Metal cans	50.4	50.0	48.3	48.1	-	43.5	43.0	41.8	41.8	-
342	Cutlery, hand tools, and hardware	139.1	133.9	145.7	145.6	-	102.2	97.1	108.5	108.6	-
3423,5	Hand and edge tools, and hand saws and blades	44.6	44.2	45.7	46.2	-	32.4	32.1	33.5	34.0	-
3429	Hardware, nec	81.9	77.4	87.1	86.7	-	61.2	56.6	66.2	66.0	-
343	Plumbing and heating, except electric	63.0	60.8	66.2	65.6	-	44.3	42.8	47.0	46.3	-
3432	Plumbing fittings and brass goods	23.8	23.0	25.1	25.5	-	18.2	18.0	19.0	19.3	-
3433	Heating equipment, except electric	29.6	28.7	30.7	29.7	-	19.5	18.7	20.4	19.4	-
344	Fabricated structural metal products	433.0	424.5	444.9	439.8	-	290.4	282.6	299.1	294.9	-
3441	Fabricated structural metal	77.8	79.8	77.8	76.9	-	53.6	54.9	53.8	53.0	-
3442	Metal doors, sash, and trim	82.5	75.2	87.1	86.6	-	60.2	53.7	63.6	62.4	-
3443	Fabricated plate work (boiler shops)	111.1	114.8	110.7	110.1	-	63.9	66.9	62.6	62.7	-
3444	Sheet metal work	101.6	96.0	106.6	105.0	-	72.8	67.9	77.3	75.7	-
3446	Architectural metal work	28.1	27.9	28.8	28.1	-	19.4	19.3	20.2	20.0	-
345	Screw machine products, bolts, etc.	86.8	83.3	92.1	93.1	-	64.7	61.3	69.7	70.8	-
3451	Screw machine products	41.3	38.6	45.0	45.5	-	32.4	29.7	36.0	36.6	-
3452	Bolts, nuts, rivets, and washers	45.6	44.7	47.1	47.6	-	32.3	31.6	33.7	34.2	-
346	Metal forgings and stampings	232.7	218.2	249.4	250.4	-	184.1	169.5	199.7	200.5	-
3462	Iron and steel forgings	32.9	32.7	34.7	34.6	-	24.5	23.8	26.3	26.4	-
3465	Automotive stampings	88.6	80.0	97.8	98.0	-	75.3	67.0	83.8	83.8	-
3469	Metal stampings, nec	100.4	94.8	105.7	106.6	-	76.2	70.8	81.1	81.9	-
347	Metal services, nec	92.9	89.1	95.7	95.9	-	73.8	69.9	76.7	76.8	-
3471	Plating and polishing	66.1	63.3	68.4	68.7	-	53.6	51.0	56.0	56.1	-
3479	Metal coating and allied services	26.8	25.8	27.3	27.2	-	20.2	18.9	20.7	20.7	-
348	Ordnance and accessories, nec	65.5	64.7	66.1	66.2	-	42.0	41.9	41.9	42.6	-
3483	Ammunition, exc. for small arms, nec	29.0	28.1	29.7	29.8	-	18.8	18.4	18.9	19.4	-
349	Misc. fabricated metal products	220.7	217.7	228.3	230.0	-	157.7	153.8	165.6	166.9	-
3494	Valves and pipe fittings	83.0	84.8	83.1	83.7	-	54.0	54.4	55.0	55.5	-
3496	Misc. fabricated wire products	51.9	49.5	55.1	55.6	-	39.2	37.2	42.1	42.7	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	2,088.4	2,046.5	2,175.9	2,186.3	2,206.2	1,223.4	1,185.7	1,299.8	1,313.3	1,331.6
351	Engines and turbines	99.6	99.4	104.9	104.8	-	58.5	58.9	64.1	64.3	-
3511	Turbines and turbine generator sets	37.6	39.9	36.4	35.6	-	19.2	21.3	18.0	17.4	-
3519	Internal combustion engines, nec	62.0	59.5	68.5	69.2	-	39.3	37.6	46.1	46.9	-
352	Farm and garden machinery	128.0	121.7	132.1	135.6	-	82.0	76.0	85.2	89.5	-
3523	Farm machinery and equipment	109.6	103.1	111.7	113.9	-	68.9	62.6	70.4	73.5	-
353	Construction and related machinery	264.6	259.5	273.0	275.3	-	148.2	141.7	161.1	163.1	-
3531	Construction machinery	85.8	72.9	92.4	94.0	-	42.7	31.8	52.1	54.0	-

See footnotes at end of table.

# ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>											
3532	Mining machinery .....	23.0	24.6	22.9	23.0	-	12.9	13.4	13.3	13.3	-
3533	Oil field machinery .....	78.6	87.1	76.8	77.4	-	48.3	54.7	47.9	48.3	-
3535	Conveyers and conveying equipment .....	27.8	27.3	29.2	29.0	-	14.3	13.7	15.6	14.9	-
3537	Industrial trucks and tractors .....	26.8	24.8	28.1	28.3	-	16.1	14.1	17.9	18.2	-
354	Metalworking machinery .....	281.4	280.4	296.6	299.8	-	195.3	193.1	209.6	212.6	-
3541	Machine tools, metal cutting types .....	49.4	51.5	50.4	50.8	-	28.3	30.0	23.5	29.9	-
3542	Machine tools, metal forming types .....	16.7	17.0	17.4	17.5	-	9.7	9.5	10.3	10.4	-
3544	Special dies, tools, jigs, and fixtures .....	121.5	118.5	130.1	131.1	-	93.9	91.2	101.5	102.9	-
3545	Machine tool accessories .....	52.1	51.2	55.9	56.9	-	35.2	33.9	38.8	39.5	-
3546	Power driven hand tools .....	23.9	23.1	25.3	25.5	-	17.3	16.7	18.7	18.7	-
355	Special industry machinery .....	160.3	162.8	163.0	163.0	-	93.6	96.1	96.1	96.6	-
3551	Food products machinery .....	36.0	36.9	36.1	36.1	-	22.1	23.1	22.1	22.2	-
3552	Textile machinery .....	19.9	20.4	20.2	20.4	-	13.3	13.5	14.0	14.2	-
3555	Printing trades machinery .....	33.8	34.2	33.9	33.7	-	19.3	19.8	19.3	19.3	-
356	General industrial machinery .....	254.1	253.2	261.2	262.3	-	156.4	154.2	163.8	165.3	-
3561	Pumps and pumping equipment .....	50.1	51.2	50.6	50.9	-	27.8	28.4	28.7	28.9	-
3562	Ball and roller bearings .....	44.9	41.9	48.0	48.4	-	33.2	30.7	36.0	36.4	-
3563	Air and gas compressors .....	23.4	25.1	21.2	20.8	-	11.8	13.1	10.4	10.4	-
3564	Blowers and fans .....	34.5	34.1	35.1	35.5	-	21.0	20.7	21.4	21.5	-
3566	Speed changers, drives, and gears .....	19.2	18.8	20.2	20.2	-	12.1	11.4	13.2	13.3	-
3568	Power transmission equipment, nec .....	16.9	16.6	18.3	18.8	-	11.0	10.7	12.2	12.6	-
357	Office and computing machines .....	489.3	478.2	506.2	503.9	-	194.0	189.1	200.2	200.1	-
3573	Electronic computing equipment .....	423.8	411.5	440.5	439.3	-	161.5	155.1	167.0	167.8	-
358	Refrigeration and service machinery .....	161.1	151.5	172.6	173.1	-	109.9	100.3	120.2	120.7	-
3585	Refrigeration and heating equipment .....	112.1	103.2	122.0	122.7	-	77.8	69.1	86.4	87.4	-
359	Misc. machinery, except electrical .....	250.0	239.8	266.3	268.5	-	185.5	176.3	199.5	201.1	-
3592	Carburetors, pistons, rings, valves .....	33.7	30.8	36.5	36.6	-	26.6	24.0	28.8	28.9	-
3599	Machinery, except electrical, nec .....	216.3	209.0	229.8	231.9	-	158.9	152.3	170.7	172.2	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT .....</b>	<b>2,044.6</b>	<b>1,969.6</b>	<b>2,149.9</b>	<b>2,160.9</b>	<b>2,184.1</b>	<b>1,239.8</b>	<b>1,179.6</b>	<b>1,321.7</b>	<b>1,330.6</b>	<b>1,349.9</b>
361	Electric distributing equipment .....	108.6	107.1	111.9	113.0	-	77.4	75.5	80.2	81.3	-
3612	Transformers .....	47.4	46.9	49.0	49.6	-	33.0	32.6	34.3	35.0	-
3613	Switchgear and switchboard apparatus .....	61.4	60.2	62.9	63.4	-	44.4	42.9	45.9	46.3	-
362	Electrical industrial apparatus .....	192.3	187.8	200.0	201.4	-	133.0	127.9	140.9	142.3	-
3621	Motors and generators .....	96.7	92.3	101.1	102.1	-	73.9	69.1	78.1	79.2	-
3622	Industrial controls .....	58.7	59.2	60.9	61.0	-	34.7	34.8	37.1	37.1	-
363	Household appliances .....	147.9	139.4	154.3	156.6	-	115.1	107.3	121.3	123.6	-
3632	Household refrigerators and freezers .....	25.3	25.3	27.3	28.4	-	20.1	19.6	22.0	23.0	-
3633	Household laundry equipment .....	23.5	21.7	23.9	24.2	-	18.2	16.6	18.5	18.8	-
3634	Electric housewares and fans .....	43.4	40.4	44.6	44.0	-	33.1	30.5	34.2	33.7	-
364	Electric lighting and wiring equipment .....	186.3	179.1	194.1	194.5	-	136.2	129.2	142.9	142.9	-
3641	Electric lamps .....	27.1	27.3	27.5	27.4	-	23.6	23.8	23.9	23.9	-
3643	Current-carrying wiring devices .....	79.1	75.1	82.5	83.0	-	52.9	49.0	55.4	55.6	-
3644	Noncurrent-carrying wiring devices .....	17.1	17.1	17.3	17.3	-	12.3	12.1	12.6	12.4	-
3645	Residential lighting fixtures .....	24.6	22.7	26.1	26.2	-	18.6	17.0	19.9	20.1	-
365	Radio and TV receiving equipment .....	87.6	86.2	90.9	89.7	-	60.8	59.8	63.9	62.5	-
3651	Radio and TV receiving sets .....	68.1	67.4	70.7	71.0	-	46.5	46.4	49.0	49.1	-
366	Communication equipment .....	579.9	571.3	597.6	599.1	-	262.2	261.4	269.5	271.3	-
3661	Telephone and telegraph apparatus .....	137.1	138.8	141.1	140.5	-	86.5	88.9	89.8	89.8	-
3662	Radio and TV communication equipment .....	442.6	432.5	456.5	458.6	-	175.7	172.5	179.7	181.5	-
367	Electronic components and accessories .....	592.5	556.1	638.4	644.2	-	348.0	317.1	384.2	388.4	-
3671-3	Electronic tubes .....	43.9	42.5	44.9	44.8	-	27.5	26.3	27.5	27.3	-
3674	Semiconductors and related devices .....	238.2	229.3	251.7	254.6	-	100.0	92.2	109.7	111.3	-
3679	Electronic components, nec .....	239.3	219.3	262.8	264.9	-	167.2	150.6	186.8	188.8	-
369	Misc. electrical equipment and supplies .....	149.6	142.6	162.7	162.4	-	107.1	101.4	118.8	118.3	-
3691	Storage batteries .....	30.1	29.3	34.1	34.1	-	23.6	22.7	27.3	27.2	-
3694	Engine electrical equipment .....	58.2	54.2	64.9	65.4	-	45.3	42.4	51.5	51.9	-
37	<b>TRANSPORTATION EQUIPMENT .....</b>	<b>1,785.3</b>	<b>1,689.3</b>	<b>1,885.2</b>	<b>1,882.9</b>	<b>1,911.5</b>	<b>1,121.7</b>	<b>1,037.7</b>	<b>1,210.6</b>	<b>1,205.2</b>	<b>1,229.9</b>
371	Motor vehicles and equipment .....	772.7	682.9	849.4	845.7	-	582.4	498.3	656.3	651.7	-
3711	Motor vehicles and car bodies .....	363.1	314.8	395.5	388.8	-	263.1	218.4	294.9	288.2	-
3713	Truck and bus bodies .....	31.8	26.6	34.0	34.1	-	24.1	19.3	26.2	26.4	-
3714	Motor vehicle parts and accessories .....	344.2	316.2	377.4	379.3	-	269.4	242.3	301.5	302.6	-
3715	Truck trailers .....	23.1	17.9	28.8	29.5	-	17.3	12.6	22.4	22.9	-
372	Aircraft and parts .....	579.8	585.9	585.4	588.7	-	282.6	293.4	283.1	283.4	-
3721	Aircraft .....	308.0	308.8	311.2	312.4	-	132.9	137.9	132.5	132.0	-
3724	Aircraft engines and engine parts .....	141.9	147.9	141.7	143.4	-	75.7	82.0	74.8	75.8	-
3728	Aircraft equipment, nec .....	130.0	129.2	132.5	132.9	-	74.0	73.5	75.8	75.6	-
373	Ship and boat building and repairing .....	199.2	195.2	207.9	205.4	-	150.0	144.7	158.8	156.4	-
3731	Ship building and repairing .....	156.4	159.8	161.1	159.4	-	114.8	116.3	120.1	118.4	-
3732	Boat building and repairing .....	42.9	35.4	46.8	46.0	-	35.2	28.4	38.7	38.0	-
374	Railroad equipment .....	29.7	30.0	30.5	30.6	-	18.7	18.2	19.7	19.8	-
376	Guided missiles, space vehicles, parts .....	143.0	138.3	148.6	149.0	-	46.2	44.1	48.6	49.6	-
3761	Guided missiles and space vehicles .....	113.4	109.8	117.7	118.0	-	35.6	34.1	37.5	38.2	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
<b>TRANSPORTATION EQUIPMENT—Continued</b>											
379	Miscellaneous transportation equipment .....	46.9	44.2	48.3	48.2	-	31.6	29.7	32.8	32.8	-
3792	Travel trailers and campers .....	19.5	16.3	20.8	20.9	-	15.3	12.4	16.6	16.7	-
<b>INSTRUMENTS AND RELATED PRODUCTS</b>											
38	Engineering and scientific instruments .....	693.5	693.0	702.0	702.9	705.0	387.2	386.0	393.5	395.0	397.2
381	Measuring and controlling devices .....	80.6	79.4	82.5	82.5	-	37.0	36.6	37.9	37.6	-
382	Environmental controls .....	237.5	236.7	241.7	242.8	-	139.0	138.2	141.6	142.7	-
3822	Process control instruments .....	44.5	42.2	46.5	47.1	-	29.0	27.8	30.1	30.6	-
3823	Instruments to measure electricity .....	54.5	56.2	54.0	53.8	-	26.0	27.3	25.4	25.7	-
3825	Optical instruments and lenses .....	99.4	99.4	100.6	101.0	-	57.8	57.1	58.7	58.4	-
383	Medical instruments and supplies .....	33.6	32.9	34.1	34.4	-	17.1	17.1	17.7	17.8	-
384	Surgical and medical instruments .....	159.6	155.9	163.6	163.7	-	97.1	94.7	99.8	100.6	-
3841	Surgical appliances and supplies .....	76.6	74.4	77.8	77.7	-	44.5	42.5	45.3	45.4	-
3842	Ophthalmic goods .....	69.0	67.3	71.5	72.0	-	44.5	43.9	46.3	46.9	-
385	Photographic equipment and supplies .....	37.0	36.3	37.7	37.9	-	25.3	24.6	25.8	25.8	-
386	Watches, clocks, and watchcases .....	128.2	134.3	125.4	124.4	-	60.2	63.1	58.7	58.3	-
387	Signs and advertising displays .....	17.0	17.5	17.0	17.2	-	11.7	11.7	12.0	12.2	-
<b>MISCELLANEOUS MANUFACTURING</b>											
39	<b>INDUSTRIES</b> .....	382.3	362.2	388.9	380.7	386.9	275.6	256.2	282.0	274.6	279.9
391	Jewelry, silverware, and plated ware .....	56.1	55.3	57.6	55.6	-	39.6	38.8	40.7	38.9	-
3911	Musical instruments .....	37.2	36.4	38.4	36.9	-	26.2	25.4	27.1	25.7	-
393	Toys and sporting goods .....	19.5	18.7	20.4	20.3	-	15.3	14.5	16.1	16.1	-
394	Dolls, games, toys, and children's vehicles .....	110.5	98.3	111.2	109.0	-	79.7	68.9	80.7	79.0	-
3942.4	Sporting and athletic goods, nec .....	57.4	47.2	55.6	53.0	-	39.6	30.3	38.7	36.4	-
3949	Pens, pencils, office and art supplies .....	53.1	51.1	55.6	56.0	-	40.0	38.6	42.0	42.6	-
395	Costume jewelry and notions .....	30.6	29.9	30.8	31.1	-	21.1	20.1	21.1	21.0	-
396	Costume jewelry .....	39.1	36.5	40.8	37.5	-	29.9	27.0	31.6	28.4	-
3961	Miscellaneous manufactures .....	20.7	18.7	22.5	19.6	-	16.0	14.1	17.7	14.9	-
399	Signs and advertising displays .....	126.6	123.5	128.1	127.2	-	90.1	86.9	91.8	91.2	-
3993	Signs and advertising displays .....	48.0	45.9	49.5	49.9	-	33.7	32.0	35.1	35.2	-
<b>NONDURABLE GOODS</b>											
<b>FOOD AND KINDRED PRODUCTS</b>											
20	Meat products .....	1,630.0	1,574.9	1,620.3	1,589.3	1,577.4	1,123.5	1,072.0	1,114.7	1,088.5	1,078.4
201	Meat packing plants .....	344.0	336.8	349.7	340.9	-	287.1	279.6	293.4	283.4	-
2011	Sausages and other prepared meats .....	141.8	141.3	145.1	142.7	-	115.4	115.3	119.3	115.7	-
2013	Poultry dressing plants .....	70.7	69.7	71.7	69.2	-	52.5	51.3	53.5	51.2	-
2016	Dairy products .....	115.7	110.7	116.9	113.0	-	105.3	99.9	106.5	102.4	-
202	Cheese, natural and processed .....	165.1	161.9	163.7	161.3	-	93.9	89.9	93.3	92.2	-
2022	Fluid milk .....	35.5	34.6	35.8	34.9	-	27.1	26.3	27.4	26.7	-
2026	Preserved fruits and vegetables .....	91.4	91.2	91.0	89.7	-	42.1	41.1	42.2	42.2	-
203	Canned specialties .....	236.9	204.4	211.7	205.2	-	195.5	164.1	170.3	164.6	-
2032	Canned fruits and vegetables .....	23.6	24.0	24.2	24.1	-	17.7	18.1	17.6	17.4	-
2033	Frozen fruits and vegetables .....	84.1	64.4	63.8	60.6	-	68.9	49.4	49.7	46.4	-
2037	Grain mill products .....	47.8	41.6	42.1	41.2	-	41.3	35.5	36.2	35.5	-
204	Flour and other grain mill products .....	135.5	136.9	133.6	135.1	-	91.2	92.2	89.4	91.9	-
2041	Prepared feeds, nec .....	27.0	27.4	26.8	26.8	-	16.2	16.5	16.2	17.1	-
2048	Bakery products .....	49.4	50.4	48.1	48.7	-	31.3	32.2	29.9	30.8	-
205	Bread, cake, and related products .....	218.1	216.0	219.2	216.4	-	128.8	127.0	130.2	127.9	-
2051	Cookies and crackers .....	174.5	172.9	175.2	172.6	-	93.8	92.2	94.9	92.6	-
2052	Sugar and confectionery products .....	43.6	43.1	44.0	43.8	-	35.0	34.8	35.3	35.3	-
206	Cane and beet sugar .....	106.1	107.1	117.0	111.7	-	82.5	84.2	91.6	86.6	-
2061.3	Confectionery products .....	27.7	30.4	30.6	29.0	-	21.2	24.1	23.9	22.5	-
2065	Fats and oils .....	58.5	57.2	66.2	62.6	-	47.8	47.0	54.2	50.5	-
207	Beverages .....	36.6	38.3	37.6	37.3	-	27.3	28.9	28.3	28.0	-
208	Malt beverages .....	225.9	221.9	225.8	222.5	-	96.3	94.9	96.0	94.9	-
2082	Bottled and canned soft drinks .....	47.7	47.1	47.8	46.8	-	29.5	29.8	28.9	28.5	-
2086	Misc. foods and kindred products .....	133.1	130.6	132.5	131.2	-	43.0	41.8	42.6	42.0	-
209	Misc. foods and kindred products .....	161.7	151.6	162.0	158.9	-	121.2	111.2	121.6	119.0	-
<b>TOBACCO MANUFACTURES</b>											
21	Cigarettes .....	64.7	71.0	65.5	64.1	61.8	49.6	55.7	50.5	49.0	46.3
211	Cigarettes .....	44.7	47.4	44.0	43.9	-	33.7	36.1	33.0	33.0	-
<b>TEXTILE MILL PRODUCTS</b>											
22	Weaving mills, cotton .....	743.8	721.1	762.0	759.9	759.1	641.1	616.9	660.2	657.6	658.0
221	Weaving mills, synthetics .....	122.9	121.9	124.1	123.6	-	109.2	107.5	111.1	110.9	-
222	Weaving and finishing mills, wool .....	90.7	90.2	92.3	92.2	-	81.0	80.3	82.6	82.4	-
223	Narrow fabric mills .....	17.1	16.0	18.2	18.3	-	14.3	13.4	15.4	15.4	-
224	Knitting mills .....	22.0	21.7	22.5	22.6	-	18.9	18.7	19.4	19.4	-
225	Women's hosiery, except socks .....	205.5	195.8	210.4	207.6	-	177.5	167.2	183.0	180.2	-
2251	Hosiery, nec .....	33.5	31.7	35.8	35.8	-	30.0	28.4	32.3	32.2	-
2252	Knit outerwear mills .....	32.1	30.5	32.1	32.4	-	28.9	27.5	28.9	29.2	-
2253	Knit underwear mills .....	63.6	60.8	64.2	62.0	-	54.3	50.9	55.2	53.3	-
2254	Knit underwear mills .....	30.2	28.9	31.7	31.2	-	25.6	24.4	27.1	26.7	-

See footnotes at end of table.

# ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
<b>TEXTILE MILL PRODUCTS—Continued</b>											
2257	Circular knit fabric mills	26.6	25.5	27.1	26.6	-	22.4	21.3	23.0	22.5	-
226	Textile finishing, except wool	65.0	63.5	66.1	66.4	-	54.1	52.5	55.5	55.9	-
2261	Finishing plants, cotton	27.5	27.1	27.7	27.7	-	22.8	22.3	23.1	23.2	-
2262	Finishing plants, synthetics	22.8	22.4	23.2	23.3	-	19.0	18.6	19.5	19.6	-
227	Floor covering mills	48.7	46.4	50.4	51.2	-	38.7	36.4	40.3	41.0	-
228	Yarn and thread mills	111.7	107.9	114.8	114.6	-	99.8	96.0	102.6	102.2	-
2281	Yarn mills, except wool	76.5	73.9	78.7	78.2	-	69.1	66.8	71.1	70.5	-
2282	Throwing and winding mills	17.6	16.8	18.5	18.7	-	15.7	14.8	16.5	16.7	-
229	Miscellaneous textile goods	60.3	57.7	63.2	63.4	-	47.6	44.9	50.3	50.2	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	<b>1,169.3</b>	<b>1,129.7</b>	<b>1,194.1</b>	<b>1,188.6</b>	<b>1,206.8</b>	<b>989.2</b>	<b>953.2</b>	<b>1,009.3</b>	<b>1,006.5</b>	<b>1,024.3</b>
231	Men's and boys' suits and coats	69.0	70.7	70.7	70.1	-	60.3	62.2	61.7	61.3	-
232	Men's and boys' furnishings	326.2	313.9	334.4	333.3	-	278.8	267.7	286.2	285.5	-
2321	Men's and boys' shirts and nightwear	91.5	87.2	93.9	93.7	-	78.7	74.8	80.9	80.8	-
2327	Men's and boys' separate trousers	65.6	65.2	67.5	67.8	-	56.9	56.4	58.5	58.9	-
2328	Men's and boys' work clothing	95.3	89.7	97.9	97.5	-	80.5	75.7	82.7	82.4	-
233	Women's and misses' outerwear	389.7	380.5	390.8	392.2	-	329.8	321.0	329.7	332.0	-
2331	Women's and misses' blouses and waists	62.7	62.9	61.7	62.8	-	53.3	53.8	52.6	53.8	-
2335	Women's and misses' dresses	128.5	124.5	127.8	130.4	-	110.2	106.4	108.6	111.0	-
2337	Women's and misses' suits and coats	58.3	53.1	56.9	54.4	-	49.2	44.5	47.6	45.3	-
2339	Women's and misses' outerwear, nec.	140.2	140.0	144.4	144.6	-	117.1	116.3	120.9	121.9	-
234	Women's and children's undergarments	84.1	80.3	88.3	87.7	-	71.0	67.6	74.3	74.3	-
2341	Women's and children's underwear	69.1	65.7	72.8	72.3	-	59.8	56.6	62.8	62.6	-
2342	Brassieres and allied garments	15.0	14.6	15.5	15.4	-	11.2	11.0	11.5	11.7	-
236	Children's outerwear	61.6	60.2	63.1	63.3	-	52.5	51.3	53.8	53.8	-
2361	Children's dresses and blouses	26.1	26.4	26.3	26.5	-	23.1	23.6	23.3	23.5	-
238	Misc. apparel and accessories	46.7	45.4	46.0	44.4	-	38.7	37.4	38.1	36.6	-
239	Misc. fabricated textile products	172.5	160.7	180.7	177.4	-	141.8	131.1	148.7	146.2	-
2391	Curtains and draperies	24.4	22.9	26.0	25.5	-	19.9	18.5	21.3	21.0	-
2392	House furnishings, nec.	51.1	47.3	53.7	52.0	-	43.0	39.4	45.3	43.8	-
2396	Automotive and apparel trimmings	31.9	28.7	34.1	33.4	-	26.3	23.3	28.2	27.6	-
26	<b>PAPER AND ALLIED PRODUCTS</b>	<b>658.7</b>	<b>648.7</b>	<b>669.4</b>	<b>666.2</b>	<b>668.7</b>	<b>492.4</b>	<b>482.3</b>	<b>502.1</b>	<b>500.4</b>	<b>503.4</b>
261, 26	Paper and pulp mills	194.5	193.3	196.7	195.5	-	146.4	145.2	148.7	148.0	-
262	Paper mills, except building paper	168.1	167.7	169.9	169.3	-	125.0	124.4	127.0	126.8	-
263	Paperboard mills	59.2	59.5	59.5	59.5	-	45.3	45.3	45.7	45.8	-
264	Misc. converted paper products	217.1	211.5	221.5	221.3	-	157.6	153.0	160.6	161.1	-
2641	Paper coating and glazing	57.9	56.6	59.2	59.1	-	37.3	35.8	38.8	38.5	-
2642	Envelopes	26.1	25.8	27.2	27.2	-	20.3	20.1	21.1	21.1	-
2643	Bags, except textile bags	48.9	49.0	50.1	50.3	-	38.0	38.1	39.2	39.2	-
265	Paperboard containers and boxes	187.9	184.4	191.7	189.9	-	143.0	138.8	147.1	145.5	-
2651	Folding paperboard boxes	40.1	39.6	41.0	40.4	-	31.2	30.7	31.9	31.3	-
2653	Corrugated and solid fiber boxes	38.4	37.1	38.7	38.5	-	30.8	29.1	30.2	29.2	-
2654	Sanitary food containers	22.5	22.1	22.2	22.1	-	18.3	17.7	18.3	18.1	-
27	<b>PRINTING AND PUBLISHING</b>	<b>1,282.9</b>	<b>1,265.2</b>	<b>1,312.2</b>	<b>1,309.1</b>	<b>1,314.6</b>	<b>705.0</b>	<b>693.3</b>	<b>725.8</b>	<b>721.4</b>	<b>724.7</b>
271	Newspapers	421.6	415.0	430.2	428.3	-	158.6	156.0	163.4	161.1	-
272	Periodicals	99.4	99.6	101.0	101.9	-	21.6	21.5	22.4	22.5	-
273	Books	96.2	98.4	96.9	97.5	-	49.1	50.9	49.6	50.8	-
2731	Book publishing	68.4	70.2	67.8	67.9	-	26.4	27.8	25.8	26.5	-
2732	Book printing	27.6	28.2	29.1	29.6	-	22.7	23.1	23.8	24.3	-
274	Miscellaneous publishing	51.7	50.8	52.2	52.0	-	28.1	27.8	28.4	28.3	-
275	Commercial printing	432.5	422.7	446.6	443.8	-	315.9	307.5	327.9	324.7	-
2751	Commercial printing, letterpress	151.9	146.9	156.2	155.1	-	112.6	108.4	116.1	114.8	-
2752	Commercial printing, lithographic	257.8	253.3	266.9	265.8	-	185.3	181.6	192.9	191.6	-
276	Manifold business forms	48.1	47.7	49.6	49.9	-	33.4	33.2	34.4	34.8	-
278	Blankbooks and bookbinding	61.6	60.3	62.1	62.1	-	49.7	48.5	49.8	49.9	-
279	Printing trade services	47.2	46.4	48.4	48.7	-	35.0	34.4	36.1	35.7	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	<b>1,058.5</b>	<b>1,049.9</b>	<b>1,060.4</b>	<b>1,057.2</b>	<b>1,061.3</b>	<b>588.3</b>	<b>582.9</b>	<b>592.1</b>	<b>589.0</b>	<b>595.5</b>
281	Industrial inorganic chemicals	152.7	154.6	151.9	151.5	-	78.0	80.4	77.4	77.3	-
2819	Industrial inorganic chemicals, nec.	103.4	103.5	104.0	104.2	-	53.5	54.6	53.5	53.8	-
282	Plastics materials and synthetics	179.3	176.0	179.4	178.8	-	116.4	114.0	117.0	117.1	-
2821	Plastics materials and resins	75.3	72.8	76.4	76.2	-	43.8	42.8	44.6	44.6	-
2824	Organic fibers, noncellulosic	73.5	73.6	72.3	71.9	-	51.6	51.3	51.0	50.8	-
283	Drugs	201.0	199.3	200.7	199.7	-	98.5	98.3	98.4	97.2	-
2834	Pharmaceutical preparations	158.4	157.4	158.5	157.8	-	76.2	76.6	76.5	75.9	-
284	Soap, cleaners, and toilet goods	150.7	144.2	154.4	152.6	-	94.4	90.2	97.1	95.6	-
2841	Soap and other detergents	45.2	44.7	45.6	45.7	-	29.2	29.1	29.8	29.5	-
2844	Toilet preparations	66.3	60.7	69.1	66.9	-	43.8	39.6	45.6	44.2	-
2842, 3	Polishing, sanitation, and finishing preparations	39.3	38.8	39.7	40.0	-	21.4	21.5	21.7	21.9	-
285	Paints and allied products	61.6	59.9	61.2	61.5	-	30.1	28.6	29.9	29.8	-
286	Industrial organic chemicals	162.5	165.3	160.9	160.7	-	83.2	84.7	82.4	81.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>					
		Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>											
2865	Cyclic crudes and intermediates . . . . .	31.6	32.3	31.3	31.2	-	19.1	19.9	18.8	18.6	-	
2861,9	Gum, wood, and industrial organic chemicals, nec . . . . .	130.9	133.0	129.6	129.5	-	64.1	64.8	63.6	62.8	-	
287	Agricultural chemicals . . . . .	60.8	61.9	60.0	60.6	-	36.8	37.4	36.6	37.2	-	
289	Miscellaneous chemical products . . . . .	89.8	88.7	91.9	91.8	-	50.9	49.3	53.3	53.4	-	
29	<b>PETROLEUM AND COAL PRODUCTS</b> . . . . .	196.4	195.5	190.5	187.8	187.2	118.5	116.7	112.2	109.1	110.4	
291	Petroleum refining . . . . .	158.6	162.0	154.4	153.6	-	91.6	94.0	87.2	85.6	-	
295	Paving and roofing materials . . . . .	26.5	22.3	24.7	22.7	-	19.9	16.0	17.9	16.4	-	
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b> . . . . .	726.7	682.3	766.0	770.2	781.0	562.4	520.6	595.6	598.7	609.8	
301	Tires and inner tubes . . . . .	101.5	101.0	103.0	103.6	-	73.2	73.0	72.5	72.7	-	
302	Rubber and plastics footwear . . . . .	18.6	18.2	18.0	18.2	-	15.7	15.4	15.1	15.3	-	
303,4	Reclaimed rubber, and rubber and plastics hose and belting . . . . .	21.5	20.4	23.5	23.6	-	14.9	14.1	16.5	16.4	-	
306	Fabricated rubber products, nec . . . . .	100.0	94.1	105.6	106.6	-	76.4	70.7	81.7	82.5	-	
307	Miscellaneous plastics products . . . . .	485.3	448.6	515.9	518.2	-	382.3	347.4	409.8	411.8	-	
31	<b>LEATHER AND LEATHER PRODUCTS</b> . . . . .	215.6	211.0	215.6	213.4	214.7	180.1	174.7	180.5	178.0	179.0	
311	Leather tanning and finishing . . . . .	19.1	18.5	19.1	18.7	-	15.9	15.2	15.9	15.6	-	
314	Footwear, except rubber . . . . .	132.8	132.9	131.0	131.1	-	113.2	112.5	111.8	111.6	-	
3143	Men's footwear, except athletic . . . . .	52.2	52.0	52.0	52.8	-	42.2	41.6	41.9	42.5	-	
3144	Women's footwear, except athletic . . . . .	52.1	53.4	51.9	51.6	-	46.2	47.2	46.2	45.9	-	
316	Luggage . . . . .	13.3	12.0	13.2	12.6	-	9.5	8.0	9.6	9.0	-	
317	Handbags and personal leather goods . . . . .	27.0	24.8	27.0	26.6	-	21.9	19.9	22.1	21.6	-	
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b> . . . . .	4,941	4,914	5,045	4,976	4,972	4,059	4,041	4,155	4,085	4,078	
40	<b>RAILROAD TRANSPORTATION</b> . . . . .	377.3	368.8	360.1	362.1	-	-	-	-	-	-	
4011	Class I railroads <sup>2</sup> . . . . .	348.1	342.3	331.0	332.8	-	-	-	-	-	-	
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b> . . . . .	263.2	274.6	264.3	276.9	-	244.2	255.8	245.8	256.9	-	
411	Local and suburban transportation . . . . .	86.3	84.4	88.1	86.5	-	79.3	77.5	81.0	79.5	-	
412	Taxis . . . . .	39.6	41.1	39.8	40.1	-	-	-	-	-	-	
413	Intercity highway transportation . . . . .	32.0	35.6	20.4	34.7	-	29.3	32.8	18.5	31.5	-	
415	School buses . . . . .	86.1	96.2	97.4	97.4	-	-	-	-	-	-	
42	<b>TRUCKING AND WAREHOUSING</b> . . . . .	4,213.3	4,151.7	4,279.7	4,215.1	-	1,055.0	993.6	1,119.8	1,055.3	-	
421,3	Trucking and trucking terminals . . . . .	1,132.5	1,069.8	1,196.3	1,134.0	-	987.4	925.0	1,049.6	987.1	-	
422	Public warehousing . . . . .	80.6	81.9	83.4	81.1	-	67.6	68.6	70.2	68.2	-	
44	<b>WATER TRANSPORTATION</b> . . . . .	189.0	185.2	184.8	183.5	-	-	-	-	-	-	
45	<b>TRANSPORTATION BY AIR</b> . . . . .	449.5	439.5	451.0	452.9	-	-	-	-	-	-	
451,2	Air transportation . . . . .	396.7	389.7	395.6	397.3	-	-	-	-	-	-	
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b> . . . . .	22.0	21.8	21.9	22.7	-	15.5	15.3	15.5	16.4	-	
47	<b>TRANSPORTATION SERVICES</b> . . . . .	218.3	214.4	218.7	217.5	-	-	-	-	-	-	
48	<b>COMMUNICATION</b> . . . . .	1,326.5	1,382.0	1,376.7	1,361.8	-	995.2	1,053.1	1,042.8	1,030.5	-	
481	Telephone communication . . . . .	953.7	1,022.7	991.9	976.6	-	697.2	762.2	737.0	725.5	-	
483	Radio and television broadcasting . . . . .	230.4	225.5	233.0	232.4	-	183.8	180.8	186.4	186.2	-	
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b> . . . . .	882.1	876.0	888.2	883.3	-	707.1	705.5	706.8	701.7	-	
491	Electric services . . . . .	434.3	429.3	436.1	435.5	-	343.7	341.1	342.1	340.9	-	
492	Gas production and distribution . . . . .	175.4	175.1	173.7	172.5	-	140.1	140.3	138.0	137.1	-	
493	Combination utility services . . . . .	197.2	197.4	202.9	199.9	-	157.9	160.3	161.0	158.5	-	
495	Sanitary services . . . . .	51.0	50.2	51.7	52.1	-	45.5	44.4	46.2	46.3	-	
-	<b>WHOLESALE AND RETAIL TRADE</b> . . . . .	20,513	20,108	21,349	20,586	20,430	17,920	17,545	18,705	17,952	17,778	
50,51	<b>WHOLESALE TRADE</b> . . . . .	5,232	5,145	5,324	5,298	5,308	4,209	4,132	4,283	4,257	4,265	
50	<b>WHOLESALE TRADE—DURABLE GOODS</b> . . . . .	3,063	3,007	3,131	3,127	-	2,449	2,401	2,506	2,505	-	
501	Motor vehicles and automotive equipment . . . . .	405.2	400.5	412.4	413.6	-	325.1	321.3	330.5	331.6	-	
502	Furniture and home furnishing . . . . .	115.7	113.7	119.0	115.8	-	94.6	92.8	98.0	94.5	-	
503	Lumber and construction materials . . . . .	189.5	177.8	198.1	194.2	-	155.8	145.1	164.2	161.5	-	
504	Sporting goods, toys, and hobby goods . . . . .	72.4	71.0	72.7	73.6	-	58.3	56.9	58.0	61.0	-	
505	Metals and minerals, except petroleum . . . . .	130.8	130.4	132.5	131.2	-	104.0	102.4	106.0	105.9	-	
506	Electrical goods . . . . .	431.1	421.7	444.6	442.4	-	343.0	334.6	355.1	354.1	-	
507	Hardware, plumbing, and heating equipment . . . . .	236.4	233.1	240.9	240.9	-	191.1	188.2	195.5	195.4	-	

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
	<b>WHOLESALE TRADE-DURABLE GOODS—</b>										
	Continued										
508	Machinery, equipment, and supplies .....	1,305.3	1,291.2	1,326.9	1,331.2	-	1,030.4	1,021.7	1,043.8	1,046.5	-
509	Miscellaneous durable goods .....	176.4	167.2	184.3	184.4	-	146.6	137.5	154.4	154.1	-
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b> ..	2,170	2,138	2,193	2,171	-	1,760	1,731	1,777	1,752	-
511	Paper and paper products .....	161.0	157.2	166.2	165.9	-	130.4	126.1	135.4	135.0	-
512	Drugs, proprietaries, and sundries .....	153.8	154.3	155.8	155.7	-	128.7	129.6	130.3	129.8	-
513	Apparel, piece goods, and notions .....	168.5	165.2	170.7	170.3	-	127.4	125.4	127.2	126.6	-
514	Groceries and related products .....	657.1	641.0	663.7	651.5	-	562.0	546.5	566.9	554.0	-
516	Chemicals and allied products .....	134.3	133.1	137.1	137.0	-	93.3	92.9	94.7	94.3	-
517	Petroleum and petroleum products .....	217.8	218.9	216.3	218.1	-	165.1	165.4	163.7	166.1	-
518	Beer, wine, and distilled beverages .....	145.8	142.3	148.9	146.1	-	121.4	117.8	124.4	121.0	-
519	Miscellaneous nondurable goods .....	369.2	382.8	387.4	383.7	-	315.1	309.3	312.5	308.1	-
52-59	<b>RETAIL TRADE</b> .....	15,281	14,963	16,025	15,288	15,122	13,711	13,413	14,422	13,695	13,513
52	<b>BUILDING MATERIALS AND GARDEN</b>										
	SUPPLIES .....	600.6	567.5	615.1	591.9	-	506.2	475.5	519.3	496.5	-
521	Lumber and other building materials .....	313.1	293.6	320.3	313.7	-	265.5	247.2	272.1	266.0	-
525	Hardware stores .....	151.0	146.5	156.1	152.7	-	127.9	123.4	133.0	128.8	-
53	<b>GENERAL MERCHANDISE STORES</b> .....	2,209.8	2,236.9	2,553.6	2,315.1	-	2,068.9	2,091.6	2,411.3	2,175.3	-
531	Department stores .....	1,885.3	1,917.1	2,191.3	1,996.9	-	1,776.3	1,803.7	2,080.9	1,890.9	-
533	Variety stores .....	210.5	209.7	234.8	204.5	-	193.9	193.3	217.2	186.0	-
539	Misc. general merchandise stores .....	113.9	110.1	127.5	113.7	-	98.8	94.6	113.2	98.4	-
54	<b>FOOD STORES</b> .....	2,491.0	2,460.2	2,561.4	2,510.6	-	2,314.0	2,279.6	2,386.9	2,335.6	-
541	Grocery stores .....	2,183.0	2,161.6	2,234.8	2,215.3	-	2,036.1	2,011.2	2,089.4	2,070.1	-
542	Meat markets and freezer provisioners .....	59.3	58.0	59.0	59.1	-	-	-	-	-	-
546	Retail bakeries .....	133.5	130.2	136.7	133.2	-	121.6	118.1	124.9	121.3	-
55	<b>AUTOMOTIVE DEALERS AND SERVICE</b>										
	STATIONS .....	1,617.5	1,594.7	1,638.9	1,638.7	-	1,359.7	1,338.7	1,376.9	1,372.3	-
551.2	New and used car dealers .....	751.3	735.9	770.2	773.2	-	617.4	603.5	634.4	637.3	-
553	Auto and home supply stores .....	258.8	255.3	266.5	262.8	-	223.0	219.3	229.1	222.6	-
554	Gasoline service stations .....	530.7	534.1	528.4	530.0	-	458.2	461.2	455.7	456.0	-
56	<b>APPAREL AND ACCESSORY STORES</b> .....	950.7	946.4	1,057.3	967.2	-	805.1	802.0	908.5	818.4	-
561	Men's and boys' clothing and furnishings .....	117.5	120.5	132.8	121.2	-	99.0	102.2	113.7	102.1	-
562	Women's ready-to-wear stores .....	347.8	340.3	380.9	351.2	-	296.6	291.0	328.5	297.9	-
565	Family clothing stores .....	174.1	176.0	204.4	177.0	-	152.1	153.8	181.8	154.4	-
566	Shoe stores .....	201.2	200.9	216.9	205.5	-	163.6	162.7	178.6	168.4	-
57	<b>FURNITURE AND HOME FURNISHINGS</b>										
	STORES .....	587.7	576.4	623.7	611.9	-	487.0	476.5	520.1	508.9	-
571	Furniture and home furnishings stores .....	351.2	342.3	368.8	362.9	-	291.1	282.6	307.7	300.8	-
572	Household appliance stores .....	74.6	74.2	78.3	77.2	-	63.9	63.8	67.1	65.9	-
573	Radio, television, and music stores .....	161.9	159.9	176.6	171.8	-	132.0	130.1	145.3	142.2	-
58	<b>EATING AND DRINKING PLACES</b> .....	4,888.4	4,653.8	4,870.4	4,683.8	-	4,492.0	4,272.4	4,459.8	4,283.4	-
59	<b>MISCELLANEOUS RETAIL</b> .....	1,934.9	1,926.6	2,104.6	1,968.8	-	1,677.6	1,676.8	1,638.7	1,704.7	-
591	Drug stores and proprietary stores .....	491.6	494.8	513.6	502.3	-	436.6	443.4	455.9	443.5	-
592	Liquor stores .....	126.9	130.8	132.1	120.2	-	-	-	-	-	-
594	Miscellaneous shopping goods stores .....	636.3	628.5	737.7	661.6	-	542.7	537.5	641.3	566.5	-
596	Nonstore retailers .....	256.0	251.5	279.7	255.5	-	236.4	232.9	259.0	234.5	-
598	Fuel and ice dealers .....	99.9	104.5	105.0	107.2	-	82.7	87.2	87.3	89.6	-
599	Retail stores, nec. .....	260.7	254.7	271.0	256.2	-	217.8	211.5	227.4	213.6	-
	<b>FINANCE, INSURANCE, AND REAL</b>										
	ESTATE <sup>3</sup> .....	5,454	5,335	5,508	5,514	5,518	4,063	3,957	4,102	4,091	4,094
60	<b>BANKING</b> .....	1,659.9	1,650.7	1,666.2	1,666.8	-	1,236.8	1,231.7	1,238.2	1,235.8	-
602	Commercial and stock savings banks .....	1,506.9	1,500.5	1,512.4	1,512.7	-	1,115.7	1,112.8	1,116.4	1,114.8	-
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	614.6	596.0	632.2	636.1	-	466.0	447.4	482.2	483.3	-
612	Savings and loan associations .....	293.0	281.6	303.6	304.2	-	224.7	215.0	234.1	233.6	-
614	Personal credit institutions .....	195.6	194.0	199.0	199.8	-	148.8	144.6	152.6	152.9	-
62	<b>SECURITY, COMMODITY BROKERS, AND</b>										
	SERVICES .....	308.3	286.5	326.5	326.7	-	-	-	-	-	-
621	Security brokers and dealers .....	248.2	228.3	264.0	264.6	-	-	-	-	-	-
63	<b>INSURANCE CARRIERS</b> .....	1,231.4	1,227.8	1,234.1	1,235.8	-	835.5	834.0	836.9	834.8	-
631	Life insurance .....	536.9	540.8	537.2	536.9	-	328.3	330.7	326.1	325.1	-

See footnotes at end of table.



**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
	<b>INSURANCE CARRIERS—Continued</b>										
632	Medical service and health insurance .....	145.4	143.8	148.5	148.6	-	116.0	114.8	118.8	118.1	-
633	Fire, marine, and casualty insurance .....	469.4	471.2	466.9	468.4	-	329.8	331.9	327.2	326.2	-
64	<b>INSURANCE AGENTS, BROKERS, AND SERVICE</b> .....	481.1	477.0	484.2	485.9	-	-	-	-	-	-
65	<b>REAL ESTATE</b> .....	1,003.4	944.9	1,005.1	1,004.5	-	-	-	-	-	-
651	Real estate operators and lessors .....	500.4	475.3	507.0	501.9	-	-	-	-	-	-
653	Real estate agents and managers .....	363.0	346.1	362.0	368.5	-	-	-	-	-	-
655	Subdividers and developers .....	119.1	105.0	113.4	111.4	-	-	-	-	-	-
66	<b>COMBINED REAL ESTATE, INSURANCE, ETC.</b> .....	16.8	16.9	16.8	17.0	-	-	-	-	-	-
67	<b>HOLDING AND OTHER INVESTMENT OFFICES</b> .....	138.8	135.1	143.0	141.3	-	-	-	-	-	-
-	<b>SERVICES</b> .....	19,080	18,947	20,033	19,795	20,040	17,430	16,751	17,741	17,487	17,717
70	<b>HOTELS AND OTHER LODGING PLACES</b> .....	1,120.4	1,026.7	1,083.9	1,059.0	-	-	-	-	-	-
701	Hotels, motels, and tourist courts .....	1,080.1	999.0	1,054.4	1,032.4	-	982.8	908.4	954.8	934.7	-
72	<b>PERSONAL SERVICES</b> .....	937.2	949.6	942.4	951.9	-	-	-	-	-	-
721	Laundry, cleaning, and garment services .....	346.6	344.4	352.0	351.8	-	307.7	305.9	312.9	313.1	-
723	Beauty shops .....	297.4	290.6	306.1	302.6	-	274.7	269.1	280.4	276.4	-
726	Funeral service and crematories .....	72.2	71.6	72.5	72.1	-	-	-	-	-	-
73	<b>BUSINESS SERVICES</b> .....	3,595.0	3,356.4	3,845.9	3,815.4	-	3,118.2	2,889.6	3,355.6	3,317.0	-
731	Advertising .....	166.9	165.0	166.5	167.2	-	124.8	122.8	125.5	125.4	-
732	Credit reporting and collection .....	78.9	75.9	80.6	80.5	-	-	-	-	-	-
733	Mailing, reproduction, stenographic .....	143.3	136.3	151.1	150.8	-	-	-	-	-	-
734	Services to buildings .....	543.5	519.6	558.7	553.8	-	494.3	470.8	509.3	504.0	-
736	Personnel supply services .....	714.4	581.1	859.2	841.5	-	-	-	-	-	-
737	Computer and data processing services .....	400.1	379.8	423.4	426.7	-	331.3	312.4	353.3	356.7	-
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	586.9	570.0	595.6	594.2	-	495.9	480.2	503.8	501.6	-
753	Automotive repair shops .....	364.9	357.3	366.1	364.9	-	305.0	298.3	306.5	304.3	-
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	271.0	269.3	276.3	275.2	-	224.5	222.0	230.5	229.1	-
78	<b>MOTION PICTURES</b> .....	208.8	198.5	202.2	199.9	-	180.5	171.0	174.7	171.8	-
781	Motion picture production and services .....	86.1	82.7	88.2	86.0	-	71.9	68.6	74.0	71.7	-
783	Motion picture theaters .....	112.4	105.3	103.8	103.8	-	-	-	-	-	-
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	843.1	712.2	787.1	751.6	-	767.4	643.4	708.5	673.6	-
80	<b>HEALTH SERVICES</b> .....	5,948.4	5,874.7	5,987.8	5,980.0	-	5,331.3	5,263.8	5,361.6	5,346.6	-
801	Offices of physicians .....	856.5	839.3	867.8	869.5	-	720.2	705.3	729.5	730.5	-
802	Offices of dentists .....	408.4	396.2	421.7	424.3	-	361.3	349.7	373.7	376.3	-
805	Nursing and personal care facilities .....	1,097.9	1,079.3	1,112.0	1,112.9	-	992.6	976.0	1,004.6	1,003.9	-
806	Hospitals .....	3,026.9	3,027.1	3,004.5	2,996.1	-	2,776.8	2,777.9	2,752.0	2,740.5	-
81	<b>LEGAL SERVICES</b> .....	602.4	578.5	620.2	622.0	-	508.0	487.9	521.5	524.7	-
82	<b>EDUCATIONAL SERVICES</b> .....	1,207.3	1,201.8	1,276.3	1,177.9	-	-	-	-	-	-
821	Elementary and secondary schools .....	318.4	329.7	329.2	328.1	-	-	-	-	-	-
822	Colleges and universities .....	761.1	747.9	813.9	717.7	-	-	-	-	-	-
83	<b>SOCIAL SERVICES</b> .....	1,251.0	1,192.0	1,294.9	1,290.4	-	-	-	-	-	-
86	<b>MEMBERSHIP ORGANIZATIONS</b> .....	1,521.9	1,506.9	1,529.2	1,503.1	-	-	-	-	-	-
89	<b>MISCELLANEOUS SERVICES</b> .....	1,064.9	1,045.4	1,078.6	1,091.8	-	871.1	849.4	884.3	893.5	-
891	Engineering and architectural services .....	574.5	554.3	586.0	586.1	-	476.8	453.9	489.3	488.9	-
893	Accounting, auditing, and bookkeeping .....	363.0	364.3	367.3	381.5	-	290.3	292.9	292.4	303.4	-
	<b>GOVERNMENT</b> .....	15,744	15,755	15,977	15,719	15,972	-	-	-	-	-
	<b>FEDERAL GOVERNMENT</b> .....	2,752	2,724	2,754	2,741	2,746	-	-	-	-	-
	Executive, by agency .....	2,696.1	2,668.2	2,698.9	-	-	-	-	-	-	-
	Department of Defense .....	949.6	940.1	953.1	-	-	-	-	-	-	-
	Postal Service .....	662.1	660.4	673.6	-	-	-	-	-	-	-
	Other executive agencies .....	1,084.4	1,067.7	1,072.2	-	-	-	-	-	-	-
	Legislative .....	39.6	40.1	38.9	-	-	-	-	-	-	-
	Judicial .....	16.2	15.9	16.3	-	-	-	-	-	-	-

See footnotes at end of table.

# ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984 <sup>p</sup>	Feb. 1984 <sup>p</sup>	Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984 <sup>p</sup>	Feb. 1984 <sup>p</sup>
	<b>FEDERAL GOVERNMENT—Continued</b>										
	Federal Government, by industry										
-	Manufacturing activities	137.2	136.1	137.1	137.7	-	-	-	-	-	-
3731	Shipbuilding and repairing	82.8	82.9	82.2	81.9	-	-	-	-	-	-
-	Transportation and public utilities, except										
-	Postal Service	39.2	39.5	37.6	38.7	-	-	-	-	-	-
-	Services	393.6	387.7	390.3	388.7	-	-	-	-	-	-
806	Federal government hospitals	237.2	236.4	238.5	238.2	-	-	-	-	-	-
	<b>STATE AND LOCAL GOVERNMENT</b>	12,992	13,031	13,223	12,978	13,226	-	-	-	-	-
	State government	3,636	3,606	3,721	3,590	-	-	-	-	-	-
806	State government hospitals	481.5	492.0	477.0	475.8	-	-	-	-	-	-
82	State education	1,468.3	1,444.6	1,585.4	1,451.5	-	-	-	-	-	-
-	General administration including executive, legislative, and judicial functions	1,078.0	1,065.3	1,063.2	1,066.9	-	-	-	-	-	-
-	Local government	9,356	9,425	9,501	9,388	-	-	-	-	-	-
-	Transportation and public utilities	536.3	532.6	537.7	538.0	-	-	-	-	-	-
806	Local government hospitals	637.7	638.2	630.8	630.1	-	-	-	-	-	-
82	Local education	5,035.6	5,210.8	5,269.8	5,165.5	-	-	-	-	-	-
-	General administration including executive, legislative, and judicial functions	2,845.1	2,764.3	2,784.8	2,776.0	-	-	-	-	-	-

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

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

<sup>3</sup> Data for nonoffice sales agents excluded from 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 Central Intelligence and National Security Agencies.

- Data not available.

p = preliminary.

NOTE: Data from April 1982 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" under the Establishment Data section of the Explanatory Notes.

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Avq. 1983	Dec. 1982	Oct. 1983	Nov. 1983	Dec. 1983
	<b>TOTAL</b> .....	39,565	39,464	40,344	40,659	40,962
	<b>PRIVATE SECTOR</b> .....	32,008	31,760	32,635	32,823	33,134
-	<b>MINING</b> .....	125	128	124	124	124
10	<b>METAL MINING</b> .....	5.6	5.4	5.7	5.5	5.3
11, 12	<b>COAL MINING</b> .....	11.1	11.2	11.1	11.2	11.2
13	<b>OIL AND GAS EXTRACTION</b> .....	99.3	102.9	98.0	98.2	98.8
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	65.6	66.0	64.8	65.1	65.4
138	Oil and gas field services .....	33.7	36.9	33.2	33.1	33.4
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	8.8	8.9	9.3	9.2	8.9
142	Crushed and broken stone .....	2.8	2.7	3.0	2.9	2.9
144	Sand and gravel .....	3.0	2.9	3.3	3.2	3.0
-	<b>CONSTRUCTION</b> .....	388	375	399	402	401
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	128.2	115.8	133.2	133.6	135.2
152	Residential building construction .....	72.4	65.7	75.9	75.9	77.2
153	Operative builders .....	14.3	12.7	15.1	15.0	15.2
154	Nonresidential building construction .....	41.5	41.4	42.2	42.7	42.8
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	61.5	61.2	63.4	61.5	58.4
161	Highway and street construction .....	14.9	13.3	16.9	16.0	14.2
162	Heavy construction, except highway .....	46.6	47.9	46.5	45.5	44.2
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	198.6	193.8	202.6	206.4	207.2
171	Plumbing, heating, air conditioning .....	53.1	51.9	53.9	54.5	54.6
172	Painting, paper hanging, decorating .....	11.3	11.0	11.6	11.8	11.5
173	Electrical work .....	39.1	38.8	39.7	40.4	40.6
174	Masonry, stonework, and plastering .....	21.8	20.9	22.4	22.8	23.3
175	Carpentering and flooring .....	14.2	13.1	14.7	15.4	15.5
176	Roofing and sheet metal work .....	13.2	12.9	13.4	13.5	13.6
-	<b>MANUFACTURING</b> .....	6,022	5,821	6,229	6,238	6,212
24, 25, 32-39	<b>DURABLE GOODS</b> .....	2,832	2,718	2,936	2,960	2,968
20, 23, 26-31	<b>NONDURABLE GOODS</b> .....	3,190	3,103	3,293	3,278	3,244
	<b>DURABLE GOODS</b>					
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	99.3	90.6	104.8	104.5	103.6
241	Logging camps and logging contractors .....	6.1	6.0	6.5	6.4	6.1
242	Sawmills and planing mills .....	18.5	17.2	19.3	19.2	19.1
2421	Sawmills and planing mills, general .....	12.8	11.8	13.3	13.2	13.1
243	Millwork, plywood, and structural members .....	40.9	35.8	43.3	43.6	43.6
244	Wood containers .....	5.9	5.8	5.8	5.9	5.9
245	Wood buildings and mobile homes .....	8.4	7.2	9.3	9.0	8.8
249	Miscellaneous wood products .....	19.4	18.6	20.6	20.4	20.1
25	<b>FURNITURE AND FIXTURES</b> .....	135.1	130.1	139.7	141.3	142.9
251	Household furniture .....	91.6	89.4	93.6	94.6	95.1
2511	Wood household furniture .....	38.8	38.5	39.5	39.6	39.6
2512	Upholstered household furniture .....	31.3	29.9	33.0	33.0	33.2
2515	Mattresses and bedsprings .....	8.1	7.2	8.1	7.9	7.9
252	Office furniture .....	14.1	13.1	15.2	15.4	15.8
253	Public building and related furniture .....	4.8	4.8	5.0	5.0	5.2
254	Partitions and fixtures .....	10.6	9.9	11.2	11.3	11.5
259	Miscellaneous furniture and fixtures .....	13.9	12.9	14.7	15.0	15.3
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	110.7	107.7	114.9	114.2	113.0
322	Glass and glassware, pressed or blown .....	33.5	33.6	34.8	33.6	32.9
3221	Glass containers .....	18.4	19.3	18.6	17.8	17.2
3229	Pressed and blown glass, nec .....	15.1	14.3	16.2	15.8	15.7
323	Products of purchased glass .....	12.4	11.5	13.2	13.3	13.2
324	Cement, hydraulic .....	1.5	1.6	1.5	1.5	1.5
325	Structural clay products .....	5.7	5.4	5.9	5.9	5.7
326	Pottery and related products .....	13.7	13.5	14.4	14.4	14.1
327	Concrete, gypsum, and plaster products .....	14.9	14.6	15.3	15.1	14.9
329	Misc. nonmetallic mineral products .....	26.1	24.7	26.8	27.4	27.7
33	<b>PRIMARY METAL INDUSTRIES</b> .....	97.9	93.0	100.8	102.0	102.4
331	Blast furnace and basic steel products .....	26.0	25.3	26.0	26.6	26.1
3312	Blast furnaces and steel mills .....	18.6	18.2	18.6	19.1	18.7
332	Iron and steel foundries .....	13.2	12.3	13.6	14.0	14.2

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Aug. 1983	Dec. 1982	Oct. 1983	Nov. 1983	Dec. 1983
<b>PRIMARY METAL INDUSTRIES —Continued</b>						
3321	Gray iron foundries .....	6.2	5.6	6.6	6.8	6.9
3322	Malleable iron foundries .....	.9	.8	.9	.9	.9
3325	Steel foundries, nec .....	3.3	3.0	3.3	3.4	3.4
333	Primary nonferrous metals .....	3.4	3.4	3.5	3.5	3.6
3334	Primary aluminum .....	1.4	1.4	1.5	1.5	1.5
335	Nonferrous rolling and drawing .....	34.8	32.7	36.1	36.0	36.4
3351	Copper rolling and drawing .....	3.2	3.0	3.3	3.3	3.3
3353	Aluminum sheet, plate, and foil .....	3.3	2.9	3.4	3.5	3.6
3357	Nonferrous wire drawing and insulating .....	20.5	19.4	21.2	21.2	21.4
336	Nonferrous foundries .....	15.4	14.2	16.4	16.6	16.8
3361	Aluminum foundries .....	8.0	7.5	8.7	8.8	8.7
34	<b>FABRICATED METAL PRODUCTS</b> .....	304.3	290.1	315.4	316.8	316.9
341	Metal cans and shipping containers .....	10.5	10.0	10.3	10.4	10.4
3411	Metal cans .....	8.7	8.3	8.6	8.7	8.6
342	Cutlery, hand tools, and hardware .....	47.9	45.6	49.5	49.7	50.2
3423, 5	Hand and edge tools, and hand saws and blades .....	13.3	13.1	13.5	13.5	13.7
3429	Hardware, nec .....	29.1	26.8	30.4	30.6	30.9
343	Plumbing and heating, except electric .....	16.0	15.3	16.4	16.4	16.5
344	Fabricated structural metal products .....	65.9	64.7	68.7	69.0	68.0
3441	Fabricated structural metal .....	6.3	6.6	6.2	6.3	6.3
3442	Metal doors, sash, and trim .....	22.0	20.2	23.9	23.8	23.1
3443	Fabricated plate work (boiler shops) .....	14.4	15.6	14.3	14.5	14.3
3444	Sheet metal work .....	14.7	14.0	15.4	15.4	15.5
345	Screw machine products, bolts, etc. ....	19.8	18.8	20.9	21.0	21.2
3451	Screw machine products .....	10.0	9.2	10.8	10.9	11.0
3452	Bolts, nuts, rivets, and washers .....	9.8	9.6	10.1	10.1	10.2
346	Metal forgings and stampings .....	47.2	43.4	50.0	50.3	50.6
3462	Iron and steel forgings .....	3.1	3.2	3.1	3.0	3.1
3465	Automotive stampings .....	12.6	9.9	13.9	14.2	14.4
3469	Metal stampings, nec .....	29.3	28.2	30.7	30.9	30.8
347	Metal services, nec .....	23.2	21.4	23.8	24.2	23.9
3471	Plating and polishing .....	17.2	16.1	17.4	17.8	17.8
3479	Metal coating and allied services .....	5.9	5.3	6.4	6.4	6.1
348	Ordnance and accessories, nec .....	19.1	18.7	19.5	19.5	19.7
349	Misc. fabricated metal products .....	54.7	52.2	56.3	56.3	56.4
3494	Valves and pipe fittings .....	19.3	18.9	19.4	19.4	19.5
3496	Misc. fabricated wire products .....	13.9	13.0	14.8	14.9	14.8
35	<b>MACHINERY, EXCEPT ELECTRICAL</b> .....	456.9	451.6	465.0	473.0	476.2
351	Engines and turbines .....	18.6	19.0	17.0	20.6	21.2
3511	Turbines and turbine generator sets .....	5.3	6.0	5.1	5.0	5.0
3519	Internal combustion engines, nec .....	13.3	13.0	11.9	15.6	16.2
352	Farm and garden machinery .....	21.3	21.3	21.7	21.8	22.0
3523	Farm machinery and equipment .....	15.6	15.9	15.8	15.9	15.8
353	Construction and related machinery .....	35.7	37.9	35.5	35.5	35.7
3531	Construction machinery .....	9.0	9.1	9.4	9.3	9.3
3533	Oil field machinery .....	12.4	13.8	11.9	11.8	11.9
354	Metalworking machinery .....	46.3	46.5	47.0	48.0	48.5
3541	Machine tools, metal cutting types .....	7.0	7.4	6.9	7.0	7.2
3544	Special dies, tools, jigs, and fixtures .....	14.5	14.2	14.9	15.3	15.3
3545	Machine tool accessories .....	10.4	10.5	10.4	10.5	10.7
355	Special industry machinery .....	25.1	25.6	25.3	25.4	25.7
3551	Food products machinery .....	4.7	4.8	4.7	4.7	4.8
3552	Textile machinery .....	3.8	4.0	3.8	3.9	3.9
3555	Printing trades machinery .....	6.7	6.7	6.7	6.7	6.7
356	General industrial machinery .....	51.0	50.3	52.1	52.4	53.6
3561	Pumps and pumping equipment .....	9.4	9.6	9.3	9.3	9.3
3562	Ball and roller bearings .....	11.0	10.3	11.5	11.7	11.9
357	Office and computing machines .....	182.2	178.0	186.1	188.0	187.9
3573	Electronic computing equipment .....	157.6	152.9	161.6	162.7	163.1
358	Refrigeration and service machinery .....	34.6	32.0	36.8	36.9	37.0
3585	Refrigeration and heating equipment .....	23.5	20.9	25.2	25.3	25.7
359	Misc. machinery, except electrical .....	42.1	41.0	43.5	44.4	44.6
3599	Machinery, except electrical, nec .....	33.6	33.6	34.5	35.0	35.1
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b> .....	861.2	816.8	900.0	908.7	916.5
361	Electric distributing equipment .....	42.6	41.4	43.9	44.6	45.0
3612	Transformers .....	17.2	17.1	17.3	17.9	18.0
3613	Switchgear and switchboard apparatus .....	25.4	24.3	26.6	26.7	27.0
362	Electrical industrial apparatus .....	71.1	68.5	73.3	74.0	75.3
3621	Motors and generators .....	38.6	35.9	39.9	40.5	40.8
3622	Industrial controls .....	22.6	22.9	23.1	23.3	24.0
363	Household appliances .....	51.7	46.3	55.8	54.9	55.7
3632	Household refrigerators and freezers .....	5.7	5.0	6.4	5.3	6.2
3633	Household laundry equipment .....	4.7	3.5	5.2	5.0	5.1
3634	Electric housewares and fans .....	24.3	23.5	26.2	26.2	25.5
364	Electric lighting and wiring equipment .....	82.3	74.2	85.6	86.1	86.5
3641	Electric lamps .....	15.8	11.7	16.3	16.3	16.2

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Avg. 1983	Dec. 1982	Oct. 1983	Nov. 1983	Dec. 1983
<b>ELECTRIC AND ELECTRONIC EQUIPMENT—Continued</b>						
3643	Current-carrying wiring devices .....	37.1	35.2	38.4	38.6	38.8
365	Radio and TV receiving equipment .....	46.5	45.4	48.2	48.0	48.0
3651	Radio and TV receiving sets .....	34.6	33.7	35.7	35.1	35.6
366	Communication equipment .....	214.3	213.1	217.5	220.4	221.3
3661	Telephone and telegraph apparatus .....	65.8	67.4	67.2	68.0	67.8
3662	Radio and TV communication equipment .....	148.5	145.7	150.3	152.4	153.5
367	Electronic components and accessories .....	296.2	274.0	314.5	318.9	322.9
3671-3	Electronic tubes .....	16.6	16.1	16.9	16.8	16.8
3674	Semiconductors and related devices .....	110.5	103.4	115.8	117.5	118.4
3679	Electronic components, nec. ....	123.5	113.0	132.9	135.4	136.9
369	Misc. electrical equipment and supplies .....	56.5	53.9	61.2	61.8	61.8
3694	Engine electrical equipment .....	24.4	23.5	26.9	27.2	27.3
<b>TRANSPORTATION EQUIPMENT</b>						
37	Motor vehicles and equipment .....	299.2	280.3	314.6	316.3	318.7
371	Motor vehicles and equipment .....	111.8	95.5	125.4	126.2	127.4
3711	Motor vehicles and car bodies .....	43.0	35.9	49.3	49.2	48.8
3713	Truck and bus bodies .....	3.1	2.6	3.5	3.5	3.4
3714	Motor vehicle parts and accessories .....	61.2	53.5	66.9	67.7	69.1
372	Aircraft and parts .....	112.4	113.4	112.4	113.0	113.7
3721	Aircraft .....	62.1	62.4	61.9	62.2	62.7
3724	Aircraft engines and engine parts .....	24.4	25.0	24.4	24.3	24.4
3728	Aircraft equipment, nec. ....	25.9	26.0	26.1	26.5	26.6
373	Ship and boat building and repairing .....	23.8	24.0	24.2	24.2	24.0
3731	Ship building and repairing .....	16.7	18.1	16.3	16.3	16.0
374	Railroad equipment .....	3.2	3.3	3.2	3.2	3.1
376	Guided missiles, space vehicles, parts .....	33.8	32.0	34.7	35.1	35.8
3761	Guided missiles and space vehicles .....	27.6	26.3	28.3	28.6	29.1
379	Miscellaneous transportation equipment .....	9.1	7.8	9.4	9.4	9.3
<b>INSTRUMENTS AND RELATED PRODUCTS</b>						
38	Engineering and scientific instruments .....	293.2	292.1	296.8	299.3	299.3
381	Engineering and scientific instruments .....	24.5	24.8	24.6	24.7	25.1
382	Measuring and controlling devices .....	100.9	99.3	103.0	104.0	104.1
3822	Environmental controls .....	21.9	20.4	23.2	23.2	23.2
3823	Process control instruments .....	17.7	18.5	17.7	17.9	17.8
3825	Instruments to measure electricity .....	45.2	45.0	45.4	45.8	45.9
383	Optical instruments and lenses .....	11.2	11.3	11.6	11.6	11.6
384	Medical instruments and supplies .....	87.2	85.2	88.2	89.3	89.3
3841	Surgical and medical instruments .....	43.1	41.7	43.4	44.0	44.0
3842	Surgical appliances and supplies .....	37.3	36.6	38.1	38.5	38.4
385	Ophthalmic goods .....	22.3	21.9	22.7	22.7	22.8
386	Photographic equipment and supplies .....	36.7	39.0	36.3	36.3	35.9
387	Watches, clocks, and watchcases .....	10.4	10.6	10.4	10.7	10.5
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>						
39	Jewelry, silverware, and plated ware .....	174.2	165.7	183.7	183.7	178.8
391	Jewelry, silverware, and plated ware .....	25.9	25.9	28.1	28.2	27.6
393	Musical instruments .....	8.9	8.5	9.3	9.2	9.2
394	Toys and sporting goods .....	56.0	48.6	59.4	58.7	56.1
3942, 4	Dolls, games, toys, and children's vehicles .....	31.3	24.2	34.2	33.4	30.6
3949	Sporting and athletic goods, nec. ....	24.7	24.4	25.2	25.3	25.5
395	Pens, pencils, office and art supplies .....	16.0	15.4	16.1	16.4	16.2
396	Costume jewelry and notions .....	21.7	21.7	23.6	24.2	22.9
399	Miscellaneous manufactures .....	45.8	45.6	47.2	47.0	46.8
<b>NONDURABLE GOODS</b>						
<b>FOOD AND KINDRED PRODUCTS</b>						
20	Meat products .....	501.8	488.7	530.6	516.2	496.1
201	Meat products .....	114.7	113.3	117.5	118.0	115.3
2011	Meat packing plants .....	26.3	26.8	26.7	26.7	26.5
2013	Sausages and other prepared meats .....	21.3	21.4	21.3	21.5	21.5
2016	Poultry dressing plants .....	59.3	57.8	61.2	61.6	59.4
202	Dairy products .....	35.6	35.4	35.8	35.8	35.9
2026	Fluid milk .....	15.2	15.4	15.2	15.0	15.1
203	Preserved fruits and vegetables .....	100.7	92.6	113.8	100.6	87.2
2032	Canned specialties .....	8.5	8.4	9.5	8.8	8.5
2033	Canned fruits and vegetables .....	33.3	26.4	38.8	28.7	22.2
2037	Frozen fruits and vegetables .....	22.4	21.9	26.2	24.9	20.2
204	Grain mill products .....	28.9	29.4	29.2	29.0	28.5
205	Bakery products .....	59.4	59.5	59.4	60.0	59.6
2051	Bread, cake, and related products .....	38.7	39.2	38.8	39.2	38.9
2052	Cookies and crackers .....	20.7	20.3	20.6	20.8	20.7
206	Sugar and confectionery products .....	45.7	45.9	52.2	52.7	51.7
207	Fats and oils .....	5.1	5.4	5.1	5.0	5.2
208	Beverages .....	42.5	42.1	43.6	43.0	42.7
2082	Malt beverages .....	8.6	7.9	9.1	9.0	8.8
2086	Bottled and canned soft drinks .....	18.8	18.6	18.8	18.6	18.7
209	Misc. foods and kindred products .....	69.2	65.1	74.0	72.1	70.0
<b>TOBACCO MANUFACTURES</b>						
21	Cigarettes .....	22.5	25.4	24.9	22.6	23.1
211	Cigarettes .....	13.4	14.3	13.1	13.0	13.3

# ESTABLISHMENT DATA WOMEN EMPLOYEES

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

(In thousands)

1972 SIC Code	Industry	Avg. 1983	Dec. 1982	Oct. 1983	Nov. 1983	Dec. 1983
22	<b>TEXTILE MILL PRODUCTS</b>	353.8	347.3	365.0	363.4	362.5
221	Weaving mills, cotton	53.4	54.2	54.1	54.4	53.9
222	Weaving mills, synthetics	37.2	37.5	37.9	37.5	37.6
223	Weaving and finishing mills, wool	6.7	6.4	7.0	7.0	7.1
224	Narrow fabric mills	12.7	12.5	12.9	13.1	13.1
225	Knitting mills	132.2	128.8	137.1	137.3	136.6
2251	Women's hosiery, except socks	26.4	24.8	27.7	27.9	28.3
2252	Hosiery, nec	22.9	21.9	23.5	23.5	23.1
2253	Knit outerwear mills	42.9	43.9	44.4	44.2	43.3
2254	Knit underwear mills	22.8	22.0	23.4	23.6	24.0
2257	Circular knit fabric mills	10.1	9.7	10.5	10.4	10.4
226	Textile finishing, except wool	19.6	19.3	20.3	20.1	20.2
2261	Finishing plants, cotton	9.0	9.0	9.0	9.0	9.3
2262	Finishing plants, synthetic	4.9	4.8	5.1	5.0	4.9
227	Floor covering mills	20.7	19.5	22.1	20.7	20.1
228	Yarn and thread mills	54.7	53.2	56.3	56.1	56.5
2281	Yarn mills, except wool	35.7	34.9	36.7	36.4	36.7
2282	Throwing and winding mills	10.0	9.4	10.5	10.5	10.6
229	Miscellaneous textile goods	16.6	15.9	17.3	17.2	17.4
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	945.3	909.8	977.3	977.0	962.8
231	Men's and boys' suits and coats	53.7	56.3	54.5	54.7	55.1
232	Men's and boys' furnishings	276.5	267.6	286.8	286.2	283.1
2321	Men's and boys' shirts and nightwear	80.1	76.6	83.1	82.7	81.5
2327	Men's and boys' separate trousers	55.2	54.7	56.3	56.6	56.9
2328	Men's and boys' work clothing	79.8	76.6	84.2	83.4	81.8
233	Women's and misses' outerwear	328.0	314.2	334.5	333.8	326.8
2331	Women's and misses' blouses and waists	55.5	54.3	55.9	55.3	54.3
2335	Women's and misses' dresses	108.5	101.1	111.1	109.5	106.7
2337	Women's and misses' suits and coats	46.8	45.0	49.0	48.8	45.2
2339	Women's and misses' outerwear, nec	117.2	113.8	118.5	120.2	120.6
234	Women's and children's undergarments	72.3	69.8	76.0	76.2	75.5
2341	Women's and children's underwear	60.4	58.1	63.8	63.8	63.3
2342	Brassieres and allied garments	11.9	11.7	12.2	12.4	12.2
236	Children's outerwear	53.6	51.5	54.9	55.2	54.8
2361	Children's dresses and blouses	23.3	23.4	23.6	23.6	23.6
238	Misc. apparel and accessories	35.8	34.5	37.0	36.9	35.6
239	Misc. fabricated textile products	111.5	103.2	118.9	119.4	117.5
2391	Curtains and draperies	18.6	17.6	20.1	20.1	19.9
2392	House furnishings, nec	33.6	32.2	36.2	36.6	35.3
2396	Automotive and apparel trimmings	17.8	14.4	19.5	19.3	18.9
26	<b>PAPER AND ALLIED PRODUCTS</b>	152.5	149.1	155.9	155.3	155.4
261, 26	Paper and pulp mills	26.7	26.2	27.0	27.0	27.0
262	Paper mills, except building paper	24.1	23.7	24.4	24.3	24.4
263	Paperboard mills	5.4	5.3	5.3	5.4	5.3
264	Misc. converted paper products	76.3	74.1	77.6	76.7	77.5
265	Paperboard containers and boxes	44.2	43.5	46.0	46.2	45.6
27	<b>PRINTING AND PUBLISHING</b>	523.0	516.1	529.9	533.2	537.9
271	Newspapers	166.1	163.1	169.1	170.4	171.0
272	Periodicals	59.1	58.9	59.8	59.9	60.0
273	Books	51.8	53.4	49.8	50.6	52.7
274	Miscellaneous publishing	29.7	29.0	29.2	29.9	30.4
275	Commercial printing	139.3	136.9	143.3	143.8	145.2
2751	Commercial printing, letterpress	51.8	51.3	54.1	53.8	54.2
2752	Commercial printing, lithographic	81.2	79.4	82.9	83.6	84.4
276	Manifold business forms	15.9	15.4	15.9	16.1	16.4
278	Blankbooks and bookbinding	32.8	31.5	33.5	33.0	32.8
279	Printing trade services	14.3	13.9	14.9	15.0	15.0
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	277.6	273.5	280.1	279.3	279.6
281	Industrial inorganic chemicals	25.2	24.5	25.3	25.4	25.5
2819	Industrial inorganic chemicals, nec	17.2	16.5	17.4	17.5	17.6
282	Plastics materials and synthetics	37.2	36.7	37.3	37.5	37.9
2821	Plastics materials and resins	11.1	10.6	11.2	11.2	11.3
2824	Organic fibers, noncellulosic	18.8	19.2	18.7	18.7	18.8
283	Drugs	86.7	86.3	86.9	86.6	86.5
2834	Pharmaceutical preparations	72.1	71.9	72.5	72.1	72.1
284	Soap, cleaners, and toilet goods	61.9	59.3	63.4	62.9	62.9
2841	Soap and other detergents	10.1	10.1	10.1	10.1	9.6
2844	Toilet preparations	39.0	36.9	39.9	39.5	40.1
285	Paints and allied products	11.8	11.4	12.0	11.9	11.7
286	Industrial organic chemicals	25.6	26.2	25.6	25.7	25.5
2861,9	Gum, wood, and industrial organic chemicals, nec	21.3	22.0	21.2	21.3	21.1
287	Agricultural chemicals	9.0	9.1	8.9	8.8	8.8
289	Miscellaneous chemical products	20.2	20.0	20.7	20.5	20.8

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Aug. 1983	Dec. 1982	Oct. 1983	Nov. 1983	Dec. 1983
29	<b>PETROLEUM AND COAL PRODUCTS</b>	30.4	30.8	30.3	30.4	30.1
291	Petroleum refining	25.5	26.1	25.3	25.4	25.4
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>	254.6	236.3	267.1	268.5	268.8
301	Tires and inner tubes	8.6	9.0	8.7	8.8	8.8
302	Rubber and plastics footwear	10.8	11.7	10.4	10.7	10.5
303,4	Reclaimed rubber, and rubber and plastics hose and belting	5.5	5.3	5.8	5.9	6.1
306	Fabricated rubber products, nec	34.9	32.8	36.4	36.8	36.8
307	Miscellaneous plastics products	194.9	177.5	205.8	206.3	206.6
31	<b>LEATHER AND LEATHER PRODUCTS</b>	128.3	126.3	131.8	132.4	127.9
311	Leather tanning and finishing	2.7	2.7	2.7	2.7	2.8
314	Footwear, except rubber	87.3	87.0	87.9	88.5	86.2
3143	Men's footwear, except athletic	31.9	31.5	32.4	32.5	31.8
3144	Women's footwear, except athletic	36.1	37.1	35.8	36.4	36.1
316	Luggage	7.3	6.5	7.7	7.6	7.1
317	Handbags and personal leather goods	18.1	17.2	20.1	20.0	18.1
	<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	1,309	1,341	1,355	1,354	1,359
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b>	72.3	78.3	78.7	76.5	78.0
411	Local and suburban transportation	17.5	16.7	18.4	18.2	18.3
412	Taxicabs	5.7	6.1	5.6	5.7	6.0
413	Intercity highway transportation	3.9	4.6	3.8	2.1	2.6
415	School buses	41.1	47.2	46.5	46.1	46.7
42	<b>TRUCKING AND WAREHOUSING</b>	155.5	156.7	161.8	162.0	164.7
421,3	Trucking and trucking terminals	138.0	138.9	141.5	142.8	146.9
422	Public warehousing	17.5	17.8	20.3	19.2	17.8
44	<b>WATER TRANSPORTATION</b>	25.2	25.0	25.5	25.1	25.4
45	<b>TRANSPORTATION BY AIR</b>	149.6	146.8	149.7	148.1	147.9
451,2	Air transportation	139.3	137.3	139.1	137.5	137.3
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b>	2.8	2.9	2.7	2.7	2.7
47	<b>TRANSPORTATION SERVICES</b>	118.7	112.0	121.2	121.8	121.8
48	<b>COMMUNICATION</b>	588.6	624.7	617.2	619.6	620.1
481	Telephone communication	463.8	509.2	488.4	489.3	488.4
483	Radio and television broadcasting	78.4	75.7	79.0	79.0	79.3
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	176.3	173.2	177.7	178.2	178.9
491	Electric services	87.1	84.4	87.8	88.3	88.5
492	Gas production and distribution	38.7	39.2	38.6	38.3	38.4
493	Combination utility services	37.7	37.6	38.7	38.8	39.0
495	Sanitary services	7.1	6.5	7.0	7.1	7.2
	<b>WHOLESALE AND RETAIL TRADE</b>	9,172	9,441	9,303	9,471	9,747
50,51	<b>WHOLESALE TRADE</b>	1,396	1,389	1,431	1,436	1,438
50	<b>WHOLESALE TRADE-DURABLE GOODS</b>	764	754	779	784	788
501	Motor vehicles and automotive equipment	88.0	86.9	89.3	90.0	90.0
502	Furniture and home furnishings	46.1	45.2	46.7	47.7	47.8
503	Lumber and construction materials	38.2	36.3	39.7	40.0	40.2
504	Sporting goods, toys, and hobby goods	25.6	24.6	26.2	26.3	26.0
505	Metals and minerals, except petroleum	24.8	25.8	24.6	24.7	25.0
506	Electrical goods	128.9	126.1	133.4	134.6	135.1
507	Hardware, plumbing, and heating equipment	63.9	64.0	65.1	65.0	65.5
508	Machinery, equipment, and supplies	305.1	302.2	309.7	311.7	314.1
509	Miscellaneous durable goods	43.0	42.9	43.8	43.8	44.5
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b>	633	635	652	652	650
511	Paper and paper products	52.9	52.5	54.1	54.7	54.5
512	Drugs, proprietaries, and sundries	68.6	68.8	68.3	69.3	70.5
513	Apparel, piece goods, and notions	83.7	85.5	86.2	86.9	86.4
514	Groceries and related products	154.5	152.7	162.3	160.0	159.6
516	Chemicals and allied products	39.2	37.5	40.0	40.2	40.1
517	Petroleum and petroleum products	51.5	53.5	51.9	52.2	52.3
518	Beer, wine, and distilled beverages	22.0	22.0	22.2	22.4	22.5
519	Miscellaneous nondurable goods	121.0	120.0	122.5	121.9	121.8

# ESTABLISHMENT DATA WOMEN EMPLOYEES

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

[In thousands]

1972 SIC Code	Industry	Avg. 1983	Dec. 1982	Oct. 1983	Nov. 1983	Dec. 1983
52-59	RETAIL TRADE .....	7,776	8,052	7,872	8,035	8,309
52	BUILDING MATERIALS AND GARDEN SUPPLIES .....	162.4	162.4	165.3	167.2	169.5
521	Lumber and other building materials .....	66.1	62.8	68.4	68.8	68.7
525	Hardware stores .....	57.0	58.1	57.9	59.2	60.0
53	GENERAL MERCHANDISE STORES .....	1,507.7	1,674.5	1,525.6	1,625.1	1,762.4
531	Department stores .....	1,273.0	1,402.4	1,285.5	1,378.4	1,500.0
533	Variety stores .....	160.5	187.8	164.1	168.0	178.9
539	Misc. general merchandise stores .....	74.2	84.3	76.0	78.7	83.5
54	FOOD STORES .....	1,112.1	1,123.3	1,129.6	1,144.2	1,157.9
541	Grocery stores .....	931.0	928.9	945.4	954.4	959.8
542	Meat markets and freezer provisioners .....	18.0	18.0	18.4	18.1	17.7
546	Retail bakeries .....	87.3	85.8	89.5	90.1	90.0
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS .....	317.5	312.9	324.4	325.6	327.6
551,2	New and used car dealers .....	111.4	108.7	114.0	114.9	115.5
553	Auto and home supply stores .....	48.8	49.2	49.5	49.6	50.7
554	Gasoline service stations .....	142.0	141.4	145.2	145.4	145.9
56	APPAREL AND ACCESSORY STORES .....	664.9	731.1	667.1	692.6	749.0
561	Men's and boys' clothing and furnishings .....	53.2	62.3	52.2	54.3	61.2
562	Women's ready-to-wear stores .....	311.6	332.9	317.2	326.1	343.5
565	Family clothing stores .....	131.5	154.9	128.7	136.4	154.8
566	Shoe stores .....	85.9	90.5	85.0	87.4	94.0
57	FURNITURE AND HOME FURNISHING STORES .....	212.6	210.0	219.1	225.6	230.9
571	Furniture and home furnishings stores .....	132.0	132.2	135.5	138.2	140.1
572	Household appliance stores .....	26.2	23.0	27.7	27.3	27.3
573	Radio, television, and music stores .....	54.4	54.8	55.9	60.1	63.5
58	EATING AND DRINKING PLACES .....	2,716.2	2,688.8	2,734.2	2,710.5	2,710.4
59	MISCELLANEOUS RETAIL .....	1,082.2	1,149.0	1,106.3	1,144.1	1,201.0
591	Drug stores and proprietary stores .....	312.4	321.6	313.4	320.1	329.1
592	Liquor stores .....	35.4	37.1	36.9	37.2	39.0
594	Miscellaneous shopping goods stores .....	397.2	439.8	405.9	428.0	468.6
596	Nonstore retailers .....	157.5	165.9	169.0	175.4	174.0
598	Fuel and ice dealers .....	23.5	24.5	23.4	23.9	24.5
599	Retail stores, nec .....	132.9	138.0	133.9	135.4	141.6
	FINANCE, INSURANCE, AND REAL ESTATE .....	3,270	3,210	3,295	3,305	3,318
60	BANKING .....	1,179.8	1,173.4	1,179.1	1,180.2	1,182.4
602	Commercial and stock savings banks .....	1,080.1	1,076.2	1,078.4	1,079.2	1,081.5
61	CREDIT AGENCIES OTHER THAN BANKS .....	429.4	413.6	438.3	441.1	445.4
612	Savings and loan associations .....	224.2	209.7	229.6	231.0	233.1
614	Personal credit institutions .....	124.9	129.2	126.2	127.4	128.6
62	SECURITY, COMMODITY BROKERS, AND SERVICES .....	134.7	123.8	140.3	141.1	141.8
621	Security brokers and dealers .....	109.2	100.9	114.0	114.5	114.9
63	INSURANCE CARRIERS .....	743.2	744.0	743.8	745.6	746.4
631	Life insurance .....	297.7	299.9	296.7	297.0	296.7
632	Medical service and health insurance .....	104.4	102.8	105.4	105.7	106.5
633	Fire, marine, and casualty insurance .....	289.2	292.7	286.8	287.3	287.4
64	INSURANCE AGENTS, BROKERS, AND SERVICE .....	304.9	301.0	305.9	307.6	307.9
65	REAL ESTATE .....	395.1	371.8	403.9	404.0	408.2
651	Real estate operators and lessors .....	174.0	161.4	179.9	178.9	182.1
653	Real estate agents and managers .....	172.4	164.2	173.9	173.9	174.2
655	Subdividers and developers .....	33.3	32.9	33.6	34.2	34.9
66	COMBINED REAL ESTATE, INSURANCE, ETC .....	10.4	10.8	10.3	10.3	10.4
67	HOLDING AND OTHER INVESTMENT OFFICES .....	72.4	71.8	73.3	74.7	75.4
-	SERVICES .....	11,722	11,444	11,930	11,929	11,973
70	HOTELS AND OTHER LODGING PLACES .....	609.1	563.1	613.4	594.3	582.0
701	Hotels, motels, and tourist courts .....	587.3	546.8	595.8	578.0	566.1



**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Aug. 1983	Dec. 1982	Oct. 1983	Nov. 1983	Dec. 1983
72	<b>PERSONAL SERVICES</b> .....	650.2	651.5	649.4	653.7	656.6
721	Laundry, cleaning, and garment services .....	217.3	218.2	219.5	220.6	220.2
723	Beauty shops .....	265.5	261.3	270.2	270.8	273.3
726	Funeral service and crematories .....	21.6	20.2	21.4	21.3	21.7
73	<b>BUSINESS SERVICES</b> .....	1,594.8	1,491.7	1,691.0	1,697.8	1,748.4
731	Advertising .....	84.2	81.2	85.1	87.2	85.1
732	Credit reporting and collection .....	56.2	54.0	57.1	57.6	57.6
733	Mailing, reproduction, stenographic .....	70.0	67.0	74.9	76.0	73.8
734	Services to buildings .....	205.9	201.5	212.8	212.2	212.3
736	Personnel supply services .....	446.3	372.6	498.3	494.1	540.3
737	Computer and data processing services .....	188.3	180.4	192.0	194.5	197.8
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	102.8	102.4	103.6	102.5	102.9
753	Automotive repair shops .....	50.6	50.7	50.7	49.5	49.4
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	54.3	55.5	55.0	54.6	55.0
78	<b>MOTION PICTURES</b> .....	82.3	80.7	80.4	78.9	79.0
781	Motion picture production and services .....	28.4	29.8	29.8	29.2	29.1
783	Motion picture theaters .....	48.0	44.9	44.7	43.7	44.1
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	337.6	299.1	323.6	305.8	313.9
80	<b>HEALTH SERVICES</b> .....	4,857.4	4,771.6	4,894.1	4,897.6	4,900.5
801	Offices of physicians .....	678.1	655.6	689.7	692.4	696.9
802	Offices of dentists .....	349.1	335.4	356.4	359.5	362.3
805	Nursing and personal care facilities .....	971.5	955.6	979.6	981.6	984.2
806	Hospitals .....	2,441.3	2,442.0	2,438.1	2,431.5	2,421.0
81	<b>LEGAL SERVICES</b> .....	425.6	408.9	435.3	439.7	441.9
82	<b>EDUCATIONAL SERVICES</b> .....	644.3	688.6	686.3	695.9	681.0
821	Elementary and secondary schools .....	208.2	218.9	213.5	216.3	217.3
822	Colleges and universities .....	365.3	399.8	400.8	406.6	389.4
83	<b>SOCIAL SERVICES</b> .....	922.7	895.7	948.5	957.2	960.1
89	<b>MISCELLANEOUS SERVICES</b> .....	368.6	358.6	371.2	373.4	377.3
891	Engineering and architectural services .....	129.2	126.7	131.2	131.8	132.2
893	Accounting, auditing, and bookkeeping .....	182.2	176.8	181.9	183.5	186.9
-	<b>GOVERNMENT</b> .....	7,557	7,704	7,709	7,836	7,828
-	<b>FEDERAL GOVERNMENT</b> .....	934	887	950	952	956
-	<b>STATE AND LOCAL GOVERNMENT</b> .....	6,623	6,817	6,759	6,884	6,872
-	State government .....	1,579.8	1,657.6	1,634.8	1,660.2	1,655.7
-	Hospitals .....	300.3	305.7	297.7	299.7	299.2
-	State education .....	668.6	721.4	720.0	737.7	729.6
-	General administration including executive, legislative, and judicial functions .....	400.1	422.7	404.9	410.7	414.5
-	Local government .....	5,042.5	5,159.2	5,123.7	5,223.4	5,216.3
-	Transportation and public utilities .....	91.6	88.8	92.8	93.1	93.6
-	Hospitals .....	518.2	518.6	518.1	516.7	514.7
-	Local education .....	3,275.7	3,418.0	3,381.7	3,469.3	3,468.0
-	General administration including executive, legislative, and judicial functions .....	970.2	960.2	948.2	960.6	955.1

# ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

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

[In thousands]

Industry division and group	1983												1984	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. p	Feb. p	
<b>TOTAL</b> .....	86,746	88,814	89,090	89,421	89,844	90,152	89,748	90,851	91,084	91,355	91,599	91,863	92,249	
<b>GOODS-PRODUCING</b> .....	23,049	23,030	23,159	23,347	23,518	23,724	23,830	23,935	24,168	24,311	24,415	24,611	24,760	
<b>MINING</b> .....	1,014	1,006	997	994	1,003	1,017	1,023	1,026	1,044	1,045	1,047	1,050	1,053	
<b>CONSTRUCTION</b> .....	3,790	3,757	3,786	3,860	3,933	3,974	4,014	4,038	4,060	4,094	4,088	4,176	4,212	
<b>MANUFACTURING</b> .....	18,245	18,267	18,376	18,493	18,582	18,733	18,793	18,871	19,064	19,172	19,280	19,385	19,495	
<b>DURABLE GOODS</b> .....	10,608	10,617	10,689	10,788	10,844	10,961	11,022	11,081	11,235	11,320	11,406	11,474	11,575	
Lumber and wood products .....	631	638	651	662	679	688	699	703	712	714	715	714	716	
Furniture and fixtures .....	427	433	440	446	450	459	457	459	465	470	473	476	481	
Stone, clay, and glass products .....	557	559	565	570	573	577	582	585	590	590	589	593	602	
Primary metal industries .....	610	816	820	828	830	839	840	849	867	871	881	872	879	
Fabricated metal products .....	1,364	1,362	1,369	1,379	1,384	1,391	1,410	1,411	1,430	1,438	1,449	1,459	1,466	
Machinery, except electrical .....	2,042	2,030	2,031	2,064	2,066	2,094	2,109	2,115	2,131	2,158	2,172	2,188	2,202	
Electric and electronic equipment .....	1,981	1,988	1,999	2,010	2,030	2,047	2,043	2,082	2,107	2,128	2,146	2,167	2,195	
Transportation equipment .....	1,729	1,723	1,743	1,757	1,762	1,794	1,807	1,801	1,848	1,862	1,887	1,906	1,929	
Instruments and related products .....	693	691	690	689	687	687	692	696	699	701	701	706	709	
Miscellaneous manufacturing ind. ....	374	377	381	383	383	385	383	380	386	388	393	393	396	
<b>NONDURABLE GOODS</b> .....	7,637	7,650	7,687	7,705	7,738	7,772	7,771	7,790	7,829	7,852	7,874	7,911	7,920	
Food and kindred products .....	1,020	1,619	1,633	1,632	1,643	1,638	1,627	1,630	1,628	1,633	1,632	1,642	1,635	
Tobacco manufactures .....	67	67	66	66	65	65	62	63	64	61	62	62	62	
Textile mill products .....	726	730	733	736	745	746	752	753	759	758	759	766	762	
Apparel and other textile products .....	1,148	1,143	1,149	1,153	1,159	1,180	1,175	1,177	1,191	1,199	1,206	1,210	1,210	
Paper and allied products .....	652	652	654	656	657	658	659	662	665	666	670	670	674	
Printing and publishing .....	1,264	1,269	1,274	1,276	1,281	1,284	1,289	1,290	1,297	1,301	1,303	1,309	1,313	
Chemicals and allied products .....	1,056	1,056	1,058	1,058	1,056	1,059	1,056	1,060	1,061	1,061	1,064	1,065	1,066	
Petroleum and coal products .....	199	199	199	198	198	197	195	195	193	193	192	192	192	
Rubber and misc. plastic products .....	691	699	707	716	721	732	739	742	753	762	769	777	787	
Leather and leather products .....	214	216	214	214	213	213	217	218	218	218	217	218	219	
<b>SERVICE-PRODUCING</b> .....	65,697	65,784	65,931	66,074	66,326	66,428	65,918	66,916	66,916	67,044	67,184	67,252	67,489	
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	4,966	4,963	4,988	4,993	4,992	4,984	4,341	5,031	5,019	5,019	5,015	5,042	5,043	
<b>WHOLESALE AND RETAIL TRADE</b> .....	20,343	20,350	20,329	20,356	20,494	20,529	20,580	20,612	20,666	20,718	20,781	20,846	20,914	
<b>WHOLESALE TRADE</b> .....	5,181	5,176	5,180	5,197	5,222	5,229	5,249	5,274	5,287	5,291	5,313	5,341	5,356	
<b>RETAIL TRADE</b> .....	15,162	15,174	15,149	15,159	15,272	15,300	15,331	15,338	15,379	15,427	15,468	15,505	15,558	
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	5,384	5,391	5,423	5,435	5,451	5,465	5,488	5,499	5,503	5,515	5,525	5,553	5,563	
<b>SERVICES</b> .....	19,262	19,356	19,478	19,546	19,668	19,770	19,835	19,913	19,956	20,016	20,093	20,096	20,242	
<b>GOVERNMENT</b> .....	15,742	15,724	15,713	15,744	15,721	15,680	15,674	15,861	15,772	15,776	15,770	15,715	15,727	
<b>FEDERAL</b> .....	2,742	2,742	2,738	2,756	2,742	2,738	2,746	2,778	2,761	2,763	2,768	2,763	2,760	
<b>STATE AND LOCAL</b> .....	13,000	12,982	12,975	12,988	12,979	12,942	12,928	13,083	13,011	13,013	13,002	12,952	12,967	

p=preliminary.

**ESTABLISHMENT DATA**  
**SEASONALLY ADJUSTED EMPLOYMENT**

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

[In thousands]

Industry division and group	1982	1983											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>TOTAL</b> .....	38,847	38,955	38,977	39,048	39,176	39,306	39,458	39,736	39,556	39,958	40,063	40,182	40,338
<b>GOODS-PRODUCING</b> .....	6,336	6,376	6,376	6,390	6,433	6,466	6,505	6,561	6,569	6,606	6,664	6,715	6,754
<b>MINING</b> .....	129	129	128	127	126	123	122	123	124	124	125	124	125
<b>CONSTRUCTION</b> .....	377	379	379	380	380	382	384	389	391	396	396	401	403
<b>MANUFACTURING</b> .....	5,830	5,868	5,869	5,883	5,927	5,961	5,999	6,049	6,054	6,086	6,143	6,190	6,226
<b>DURABLE GOODS</b> .....	2,717	2,732	2,738	2,748	2,769	2,792	2,808	2,842	2,851	2,876	2,913	2,943	2,970
Lumber and wood products .....	92	93	94	95	96	97	100	101	101	102	103	104	105
Furniture and fixtures .....	128	130	129	131	133	134	135	138	137	137	138	139	141
Stone, clay, and glass products .....	108	108	107	108	110	111	110	111	111	111	112	113	114
Primary metal industries .....	94	95	96	96	96	96	97	97	97	99	101	102	104
Fabricated metal products .....	291	293	295	296	298	301	303	304	308	308	312	315	318
Machinery, except electrical .....	450	447	445	443	445	451	452	459	464	463	466	473	475
Electric and electronic equipment .....	814	822	826	831	837	844	851	863	861	881	896	906	914
Transportation equipment .....	280	283	286	287	291	295	296	301	303	306	311	313	319
Instruments and related products .....	292	292	291	291	290	289	289	291	294	296	297	299	299
Miscellaneous manufacturing ind. ....	168	169	169	170	173	174	175	177	175	172	176	178	181
<b>NONDURABLE GOODS</b> .....	3,113	3,136	3,131	3,135	3,158	3,169	3,191	3,207	3,203	3,210	3,230	3,247	3,256
Food and kindred products .....	495	499	498	497	505	505	513	507	498	498	496	503	503
Tobacco manufactures .....	24	24	23	23	23	23	23	22	21	22	22	21	22
Textile mill products .....	346	346	345	348	349	350	355	355	357	358	361	360	361
Apparel and other textile products .....	917	932	928	924	929	933	937	954	950	952	964	970	971
Paper and allied products .....	150	150	149	150	151	151	152	153	153	154	155	155	156
Printing and publishing .....	512	513	513	515	518	520	523	524	526	527	530	532	534
Chemicals and allied products .....	275	274	275	275	276	276	277	278	278	280	280	280	281
Petroleum and coal products .....	31	31	31	31	31	30	30	30	30	30	30	30	30
Rubber and misc. plastics products .....	236	238	241	244	249	253	254	257	262	260	263	266	269
Leather and leather products .....	127	129	128	128	127	128	127	127	128	129	129	130	129
<b>SERVICE-PRODUCING</b> .....	32,511	32,579	32,601	32,658	32,743	32,840	32,953	33,175	32,987	33,352	33,399	33,467	33,584
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	1,331	1,328	1,328	1,328	1,332	1,329	1,333	1,326	1,021	1,346	1,343	1,342	1,348
<b>WHOLESALE AND RETAIL TRADE</b> ..	8,997	9,063	9,068	9,088	9,094	9,099	9,167	9,208	9,225	9,216	9,247	9,274	9,295
<b>WHOLESALE TRADE</b> .....	1,378	1,374	1,375	1,372	1,377	1,381	1,396	1,401	1,408	1,412	1,414	1,420	1,427
<b>RETAIL TRADE</b> .....	7,619	7,689	7,693	7,716	7,717	7,718	7,771	7,807	7,817	7,804	7,833	7,854	7,868
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,212	3,218	3,220	3,227	3,251	3,255	3,263	3,277	3,287	3,304	3,305	3,312	3,321
<b>SERVICES</b> .....	11,456	11,474	11,500	11,536	11,603	11,654	11,708	11,759	11,802	11,852	11,882	11,905	11,985
<b>GOVERNMENT</b> .....	7,515	7,496	7,485	7,479	7,463	7,503	7,482	7,605	7,652	7,634	7,622	7,634	7,635
<b>FEDERAL</b> .....	894	892	891	902	910	928	935	947	951	965	963	963	963
<b>STATE AND LOCAL</b> .....	6,621	6,604	6,594	6,577	6,553	6,575	6,547	6,658	6,701	6,669	6,659	6,671	6,672

# ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

## B-6. Production or nonsupervisory workers' on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

[In thousands]

Industry division and group	1983												1984	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. <sup>P</sup>	Feb. P	
<b>TOTAL PRIVATE</b> .....	58,801	58,889	59,150	59,462	59,871	60,182	59,751	60,607	60,886	61,118	61,323	61,568	61,874	
<b>GOODS-PRODUCING</b> .....	15,900	15,881	16,016	16,183	16,349	16,538	16,626	16,705	16,926	17,060	17,140	17,311	17,446	
<b>MINING</b> .....	715	707	701	699	710	721	724	728	741	742	745	749	751	
<b>CONSTRUCTION</b> .....	2,862	2,851	2,880	2,953	3,024	3,061	3,099	3,118	3,142	3,171	3,165	3,241	3,277	
<b>MANUFACTURING</b> .....	12,303	12,323	12,435	12,531	12,615	12,756	12,803	12,859	13,043	13,147	13,230	13,321	13,418	
<b>DURABLE GOODS</b> .....	6,949	6,961	7,035	7,115	7,169	7,278	7,329	7,378	7,522	7,601	7,665	7,726	7,813	
Lumber and wood products .....	522	529	540	550	566	575	584	588	597	600	601	600	601	
Furniture and fixtures .....	337	342	349	354	357	365	364	365	371	376	378	381	385	
Stone, clay, and glass products .....	421	423	429	434	436	440	446	448	453	454	452	455	464	
Primary metal industries .....	595	601	608	615	616	625	629	636	653	660	668	661	669	
Fabricated metal products .....	983	982	987	996	1,003	1,009	1,023	1,025	1,044	1,049	1,060	1,071	1,078	
Machinery, except electrical .....	1,179	1,171	1,175	1,201	1,204	1,227	1,241	1,247	1,262	1,287	1,297	1,313	1,328	
Electric and electronic equipment .....	1,187	1,193	1,204	1,213	1,226	1,242	1,238	1,270	1,292	1,310	1,319	1,335	1,355	
Transportation equipment .....	1,073	1,066	1,085	1,093	1,103	1,134	1,141	1,134	1,176	1,188	1,211	1,227	1,244	
Instruments and related products .....	365	384	384	384	382	382	386	391	394	395	393	397	400	
Miscellaneous manufacturing ind. ....	267	270	274	275	276	279	277	274	280	282	286	286	289	
<b>NONDURABLE GOODS</b> .....	5,354	5,362	5,400	5,416	5,446	5,478	5,474	5,481	5,521	5,546	5,565	5,595	5,605	
Food and kindred products .....	1,115	1,114	1,126	1,126	1,136	1,133	1,120	1,120	1,127	1,127	1,126	1,137	1,129	
Tobacco manufactures .....	52	52	51	51	50	50	47	48	49	46	48	47	47	
Textile mill products .....	622	627	631	634	643	643	650	650	655	656	658	664	661	
Apparel and other textile products .....	970	965	972	976	980	999	994	995	1,009	1,016	1,022	1,027	1,027	
Paper and allied products .....	466	466	488	491	494	494	492	495	498	499	503	504	508	
Printing and publishing .....	694	694	699	701	705	705	708	708	714	719	719	722	723	
Chemicals and allied products .....	567	565	587	585	586	589	588	589	591	592	594	594	598	
Petroleum and coal products .....	121	122	122	120	119	119	118	117	116	115	114	112	115	
Rubber and misc. plastics products .....	529	538	546	554	558	568	575	576	586	593	599	605	614	
Leather and leather products .....	178	175	178	178	178	178	182	183	183	183	182	183	183	
<b>SERVICE-PRODUCING</b> .....	42,901	43,008	43,134	43,279	43,522	43,644	43,125	43,902	43,960	44,058	44,183	44,257	44,428	
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	4,087	4,086	4,106	4,111	4,110	4,103	3,461	4,143	4,135	4,129	4,130	4,147	4,140	
<b>WHOLESALE AND RETAIL TRADE</b> .....	17,769	17,776	17,754	17,797	17,910	17,958	18,000	18,018	18,052	18,096	18,141	18,189	18,239	
<b>WHOLESALE TRADE</b> .....	4,166	4,156	4,165	4,182	4,203	4,207	4,225	4,250	4,256	4,259	4,274	4,300	4,308	
<b>RETAIL TRADE</b> .....	13,603	13,620	13,589	13,615	13,707	13,751	13,775	13,768	13,796	13,837	13,867	13,889	13,931	
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	4,003	4,012	4,037	4,049	4,065	4,071	4,090	4,095	4,099	4,108	4,118	4,132	4,135	
<b>SERVICES</b> .....	17,042	17,134	17,237	17,322	17,437	17,512	17,574	17,646	17,674	17,725	17,794	17,789	17,914	

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

p = preliminary.

**ESTABLISHMENT DATA**

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

Time span	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Over 1-month span	1982.....	28.5	45.4	36.0	39.0	47.6	32.8	38.4	37.1	34.1	29.3	32.0	42.2
	1983.....	56.5	45.7	62.4	69.1	71.0	64.5	68.5	68.0	60.8	70.7	64.5	64.0
	1984.....	67.2p	70.2p										
Over 3-month span	1982.....	25.3	28.8	32.0	34.1	32.5	33.6	27.2	27.2	26.1	25.5	24.7	40.6
	1983.....	45.4	55.1	65.6	75.8	76.1	77.2	73.9	79.6	79.6	74.2	72.0	74.2p
	1984.....	78.5p											
Over 6-month span	1982.....	20.2	23.7	25.3	29.8	26.1	26.1	23.4	19.1	21.2	26.1	26.6	35.8
	1983.....	50.5	63.2	73.4	76.3	79.3	83.6	82.5	80.4	82.0	82.8p	82.8p	
	1984.....												
Over 12-month span	1982.....	22.0	20.7	18.0	19.4	18.3	20.7	20.7	22.8	24.2	31.5	37.6	44.1
	1983.....	48.9	58.3	62.6	73.4	76.1	81.2	84.9p	87.1p				
	1984.....												

<sup>1</sup> Number of employees, seasonally adjusted for 1, 3, and 6 month spans, on payrolls of 188 private nonagricultural industries.  
p = 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.

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P
<b>1 ALABAMA</b> .....	1,282.9	1,338.8	1,324.4	14.4	13.5	13.6	51.6	62.4	60.7	323.8	345.6	344.3
2 Birmingham .....	328.9	339.8	336.5	7.7	7.1	7.2	15.9	19.4	18.6	48.6	48.8	48.8
3 Huntsville .....	126.5	136.2	135.1	(1)	(1)	(1)	3.2	4.3	4.0	39.4	44.7	44.5
4 Mobile .....	140.7	145.6	144.5	(1)	(1)	(1)	8.6	9.5	9.5	24.6	25.3	25.1
5 Montgomery .....	103.5	109.1	107.6	(1)	(1)	(1)	5.0	6.2	6.2	14.7	15.5	15.8
6 Tuscaloosa .....	49.0	50.8	50.0	2.1	2.1	2.2	1.7	1.9	1.8	7.2	7.9	8.0
<b>7 ALASKA</b> .....	189.5	206.2	198.7	8.1	7.7	8.2	13.7	17.2	14.8	7.0	7.8	6.6
<b>8 ARIZONA</b> .....	1,027.4	1,115.5	1,099.4	14.6	14.3	14.3	66.3	82.2	81.4	149.1	161.7	162.0
9 Phoenix .....	659.2	724.5	714.8	.6	.6	.6	46.4	57.5	56.8	107.5	116.6	117.1
10 Tucson .....	190.8	206.8	203.5	3.9	3.6	3.6	12.1	16.4	16.4	25.4	27.8	27.5
<b>11 ARKANSAS</b> .....	707.6	760.4	750.9	5.3	5.2	5.2	26.7	28.2	26.4	187.9	204.7	204.9
12 Fayetteville—Springdale .....	64.6	69.0	68.5	(1)	(1)	(1)	2.0	2.4	2.2	18.8	19.1	18.9
13 Fort Smith .....	65.0	70.0	69.1	1.2	1.2	1.2	2.4	2.8	2.5	19.5	22.9	23.0
14 Little Rock—North Little Rock .....	176.3	186.7	183.8	(1)	(1)	(1)	7.8	8.4	7.9	25.1	26.0	25.9
15 Pine Bluff .....	28.6	30.5	29.9	(1)	(1)	(1)	1.2	1.1	.9	5.3	5.8	5.8
<b>16 CALIFORNIA</b> .....	9,706.8	10,183.4	10,078.7	47.2	47.4	47.0	326.9	378.8	368.4	1,866.8	1,950.0	1,950.2
17 Anaheim—Santa Ana—Garden Grove .....	838.2	881.8	872.1	3.5	3.4	3.4	30.2	33.9	34.1	203.2	213.8	213.4
18 Bakersfield .....	138.1	144.2	142.7	14.1	14.8	14.6	6.6	6.8	6.5	9.5	9.7	9.6
19 Fresno .....	170.1	177.8	173.1	.9	1.2	1.2	7.6	9.1	8.5	18.8	20.2	19.7
20 Los Angeles—Long Beach .....	3,486.2	3,619.5	3,589.2	12.8	12.6	12.6	90.2	101.2	98.0	831.2	860.6	863.6
21 Modesto .....	80.7	84.6	82.8	.1	.1	.1	3.6	4.3	4.1	16.5	18.0	17.6
22 Oxnard—Simi Valley—Ventura .....	162.1	166.2	165.3	3.4	3.3	3.3	5.0	6.0	6.0	25.5	24.9	25.0
23 Riverside—San Bernardino—Ontario .....	433.0	448.0	445.1	1.2	1.2	1.2	19.9	22.2	21.7	55.3	56.4	56.0
24 Sacramento .....	404.6	425.1	419.8	.7	.8	.8	14.2	18.1	17.5	25.7	28.2	28.2
25 Salinas—Seaside—Monterey .....	87.7	91.1	90.4	.4	.4	.4	2.9	3.1	3.3	7.7	8.4	8.3
26 San Diego .....	660.1	696.4	688.9	.5	.5	.5	27.4	35.2	34.3	104.8	109.0	109.2
27 San Francisco—Oakland .....	1,538.4	1,585.0	1,561.3	4.5	4.6	4.5	58.4	60.6	58.3	182.1	183.0	181.4
28 San Jose .....	696.1	732.8	725.5	.1	.1	.1	21.2	25.6	25.5	255.9	264.0	263.3
29 Santa Barbara—Santa Maria—Lompoc .....	121.7	126.1	124.8	1.6	1.6	1.5	4.2	4.8	4.5	19.4	21.1	21.2
30 Santa Rosa .....	94.7	99.5	97.4	.6	.7	.6	4.0	4.5	4.2	14.8	16.2	15.8
31 Stockton .....	114.8	119.5	116.9	.1	.1	.1	5.2	5.9	5.9	17.9	18.9	18.2
32 Vallejo—Fairfield—Napa .....	99.8	103.1	102.0	.4	.4	.4	4.2	4.5	4.3	9.4	9.8	9.7
<b>33 COLORADO</b> .....	1,292.8	1,351.8	1,327.0	37.5	37.1	37.0	75.7	82.5	77.9	176.2	183.8	183.2
34 Denver—Boulder .....	832.5	872.8	857.6	26.8	25.9	25.8	46.4	48.6	47.2	119.9	126.7	126.1
<b>35 CONNECTICUT</b> .....	1,403.7	1,484.6	1,446.7	1.4	1.4	1.3	45.8	55.6	48.9	402.6	410.7	410.3
36 Bridgeport .....	163.5	171.8	165.4	-	-	-	4.2	4.9	4.2	58.5	59.0	59.2
37 Hartford .....	396.5	410.7	403.5	.1	.1	-	10.7	12.4	11.0	88.4	87.5	87.8
38 New Britain .....	58.0	60.6	58.7	-	-	-	1.8	2.9	2.0	23.8	24.3	24.3
39 New Haven—West Haven .....	185.5	196.1	192.8	.2	.2	.2	5.6	6.3	5.7	38.7	39.4	39.2
40 Stamford .....	110.5	114.3	112.2	.9	.7	.7	4.2	4.6	4.4	31.2	30.9	30.8
41 Waterbury .....	82.8	88.0	85.8	-	-	-	2.4	3.0	2.5	28.0	29.3	29.5
<b>42 DELAWARE</b> .....	256.5	270.8	263.9	.1	.1	.1	15.6	16.3	15.3	67.0	67.5	67.3
43 Wilmington .....	227.6	237.9	233.5	.2	.2	.1	17.3	18.5	17.6	59.9	59.0	58.9
<b>44 DISTRICT OF COLUMBIA</b> .....	585.8	598.5	589.1	.1	.1	.1	9.4	10.7	10.1	14.2	14.5	14.3
45 Washington SMSA .....	1,596.5	1,675.1	1,645.2	.9	1.0	1.0	65.5	79.1	75.3	62.1	67.7	67.9
<b>46 FLORIDA</b> .....	3,788.7	4,056.4	4,050.9	9.6	9.9	10.0	240.1	287.8	287.8	449.6	488.0	493.4
47 Daytona Beach .....	82.6	88.9	88.5	-	-	-	4.5	5.1	5.0	8.7	10.3	10.3
48 Fort Lauderdale—Hollywood .....	369.0	380.0	380.4	(1)	(1)	(1)	24.7	26.2	26.1	40.0	43.1	43.2
49 Fort Myers—Cape Coral .....	76.9	80.8	81.1	(1)	(1)	(1)	8.0	8.6	8.9	3.9	4.3	4.3
50 Gainesville .....	70.8	72.8	71.9	(1)	(1)	(1)	3.8	4.5	4.4	4.2	4.7	4.7
51 Jacksonville .....	306.8	319.2	318.7	(1)	(1)	(1)	18.8	19.9	20.0	31.9	32.6	32.6
52 Lakeland—Winter Haven .....	119.7	119.2	119.2	4.8	4.6	4.6	6.9	6.4	6.3	21.8	21.6	21.9
53 Melbourne—Titusville—Cocoa .....	111.9	121.9	121.7	(1)	(1)	(1)	5.4	7.7	7.7	24.5	26.9	27.0
54 Miami .....	729.1	748.3	748.1	(1)	(1)	(1)	35.2	39.6	39.1	89.0	92.3	93.7
55 Orlando .....	327.8	350.4	351.1	(1)	(1)	(1)	22.2	24.6	24.8	39.9	42.0	42.9
56 Pensacola .....	102.5	107.5	107.2	(1)	(1)	(1)	6.9	7.7	7.6	12.3	12.8	12.7
57 Sarasota .....	78.6	82.7	82.9	(1)	(1)	(1)	6.9	7.8	7.9	5.7	6.5	6.4
58 Tallahassee .....	75.6	78.8	78.0	(1)	(1)	(1)	3.2	4.0	4.0	3.0	3.1	3.1
59 Tampa—St. Petersburg .....	603.6	626.1	625.9	(1)	(1)	(1)	39.3	44.1	44.4	77.6	80.2	80.5
60 West Palm Beach—Boca Raton .....	236.7	245.6	246.1	(1)	(1)	(1)	18.1	20.0	19.9	29.6	32.6	32.5

See footnotes at end of table.

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	
69.4	71.1	70.5	264.1	282.1	274.0	58.4	59.6	59.5	212.3	218.3	216.0	288.9	286.2	285.8	1
28.3	29.0	28.9	79.1	83.0	80.5	23.1	23.9	23.9	71.2	73.1	73.0	55.0	55.5	55.6	2
2.7	2.8	2.8	22.6	24.6	23.8	3.5	3.6	3.6	19.4	19.8	20.0	35.7	36.4	36.4	3
9.7	9.7	9.4	35.5	37.7	37.1	7.0	7.0	7.0	30.1	31.2	30.8	25.2	25.2	25.6	4
4.3	4.2	4.2	23.1	25.5	24.6	6.2	6.3	6.3	20.9	21.7	21.7	29.3	29.7	28.8	5
1.7	1.6	1.6	10.3	10.5	10.3	1.6	1.6	1.6	6.8	6.8	6.7	17.6	18.4	17.8	6
17.0	17.7	17.3	37.5	44.4	42.1	9.8	10.9	10.6	36.3	37.7	37.2	60.1	62.8	61.9	7
55.9	58.0	57.6	252.5	271.4	266.5	63.1	67.0	66.9	227.2	247.5	248.4	198.7	213.4	202.3	8
35.5	37.6	37.4	170.1	184.7	180.9	49.4	52.3	52.3	151.3	167.9	168.6	98.4	107.3	101.1	9
8.6	8.8	8.8	42.4	44.9	43.9	8.6	9.6	9.5	44.4	47.3	47.4	45.4	48.4	46.4	10
41.4	44.3	43.8	154.9	170.2	165.3	32.6	34.2	34.0	120.9	130.8	130.0	137.9	142.8	141.3	11
4.0	4.6	4.5	15.4	16.7	16.2	2.3	2.5	2.4	9.6	10.2	10.0	12.5	13.5	14.3	12
3.5	3.5	3.5	14.5	15.4	15.1	2.5	2.6	2.6	12.0	12.4	12.4	9.4	9.2	8.8	13
12.9	13.6	13.4	41.6	45.6	44.2	13.5	13.6	13.4	37.8	40.5	40.4	37.6	39.0	38.6	14
3.0	3.3	3.3	5.7	6.0	5.8	1.3	1.4	1.4	5.5	5.8	5.6	6.6	7.1	7.1	15
529.4	544.0	512.7	2,274.4	2,459.9	2,409.6	641.6	663.9	664.2	2,279.4	2,394.6	2,388.9	1,741.1	1,744.8	1,737.7	16
29.4	30.1	28.5	209.4	227.4	221.8	61.6	64.9	65.3	195.7	203.6	201.9	105.2	104.7	103.7	17
7.8	8.0	7.7	35.5	37.6	36.8	5.4	5.7	5.7	25.9	27.4	27.9	33.3	34.2	33.9	18
9.7	10.0	9.3	44.4	46.6	45.3	11.6	12.0	11.9	37.2	38.7	38.2	39.9	40.0	39.0	19
193.9	196.1	190.3	792.5	850.4	827.9	231.4	238.9	238.7	863.0	896.4	895.2	471.2	463.3	462.9	20
3.9	3.8	3.7	21.1	22.4	21.6	3.4	3.7	3.7	16.8	17.2	17.0	15.3	15.1	15.0	21
6.8	6.9	7.1	39.7	42.1	41.6	10.4	10.9	10.7	32.9	34.7	34.4	38.4	37.4	37.2	22
24.8	25.6	25.1	110.8	117.6	115.6	19.1	19.7	19.7	98.4	102.1	102.0	103.5	103.2	103.8	23
21.9	21.2	20.4	95.0	103.7	99.9	22.8	23.6	23.7	80.1	84.4	84.0	144.2	145.1	145.3	24
4.5	4.5	4.4	23.4	24.7	23.9	4.2	4.5	4.5	20.6	21.3	21.3	24.0	24.2	24.3	25
29.5	30.1	28.6	154.9	168.0	163.7	43.8	46.4	46.4	158.7	165.4	165.2	140.5	141.8	141.0	26
123.7	127.6	124.8	359.2	382.7	372.4	151.9	153.1	153.2	374.4	390.2	385.1	284.2	283.2	281.6	27
21.1	21.4	19.4	129.4	142.5	139.1	28.3	29.4	29.1	161.3	171.8	171.4	78.8	78.0	77.6	28
5.1	5.4	5.3	29.9	30.6	29.8	6.0	6.4	6.4	31.1	31.9	31.7	24.4	24.3	24.4	29
4.4	4.9	4.6	24.2	25.0	24.4	6.3	6.3	6.4	20.5	21.6	21.6	19.9	20.3	19.8	30
7.4	7.6	7.2	26.6	28.9	28.1	5.9	6.1	6.1	24.2	24.7	23.9	27.5	27.3	27.4	31
4.1	4.0	3.8	22.1	23.7	23.3	3.6	3.7	3.7	20.7	21.6	21.6	35.3	35.4	35.2	32
83.9	85.4	85.1	316.0	335.8	324.8	84.3	86.8	86.4	281.5	293.6	293.1	237.7	246.7	239.7	33
60.7	63.0	62.6	201.1	214.7	207.3	60.1	62.3	61.8	184.8	193.2	192.5	132.8	138.5	134.2	34
61.1	63.5	62.2	298.4	327.2	308.4	114.6	120.1	119.7	299.8	320.1	314.3	180.0	186.0	181.6	35
6.4	6.8	6.5	35.2	39.2	36.2	8.2	8.3	8.3	34.8	37.2	34.8	16.2	16.4	16.2	36
13.8	14.8	14.3	82.7	88.2	83.9	65.9	69.0	68.8	81.8	85.2	84.5	53.1	53.5	53.2	37
3.1	2.9	3.0	10.3	11.1	10.6	1.9	2.0	1.9	10.9	11.1	11.0	6.2	6.3	5.9	38
15.5	15.9	15.6	41.0	45.2	44.1	11.3	11.9	11.9	49.6	52.8	52.9	23.7	24.4	23.2	39
4.4	4.2	4.1	24.1	26.2	25.0	8.5	8.8	8.7	27.0	28.5	28.1	10.2	10.4	10.4	40
3.2	3.3	3.4	16.1	17.6	16.5	3.7	4.0	3.9	18.2	19.2	18.5	11.2	11.6	11.5	41
11.9	12.3	12.1	55.0	60.6	58.2	14.6	16.0	15.9	49.4	54.0	51.9	43.0	43.9	43.0	42
11.5	11.9	11.8	47.0	50.4	48.8	13.4	14.6	14.6	44.4	48.0	47.1	33.8	35.3	34.4	43
25.5	26.0	24.7	56.8	60.9	57.1	33.4	34.4	33.2	190.3	193.1	190.9	256.1	258.8	258.7	44
74.0	79.4	76.9	305.6	329.1	315.9	91.9	94.8	93.3	471.4	493.1	488.9	525.1	530.9	526.0	45
230.5	232.6	232.7	1,011.3	1,109.4	1,098.9	274.7	297.6	300.3	934.6	987.9	991.3	638.3	643.2	636.5	46
3.3	3.2	3.2	23.8	24.8	24.6	4.9	5.4	5.5	22.3	23.9	23.9	15.1	16.2	16.0	47
18.7	18.3	18.3	108.7	112.4	112.3	32.5	34.0	34.0	95.0	95.4	95.9	49.4	50.6	50.6	48
4.4	4.6	4.6	23.1	24.3	24.0	6.6	6.7	6.7	18.3	19.3	19.5	12.6	13.0	13.1	49
1.6	1.6	1.7	15.2	15.1	15.0	3.3	3.0	2.9	14.8	14.5	14.6	27.9	29.4	28.6	50
24.6	25.7	25.6	80.4	84.1	83.4	28.6	29.0	29.1	70.4	74.2	74.3	52.1	53.7	53.7	51
5.2	5.3	5.3	30.5	31.4	30.7	7.3	7.4	7.4	25.6	26.7	26.8	17.6	15.8	16.2	52
4.9	5.1	5.1	24.7	28.0	27.6	4.0	4.4	4.3	29.2	30.3	30.5	19.2	19.5	19.5	53
69.8	68.6	68.4	191.2	194.0	193.3	59.2	61.1	61.1	187.5	195.5	195.3	97.2	97.2	97.2	54
16.3	16.8	16.9	90.8	97.2	97.2	21.7	22.2	22.2	92.5	99.9	99.9	44.4	47.7	47.2	55
5.7	5.8	6.0	24.4	26.8	26.4	4.3	4.4	4.3	23.3	23.3	23.7	25.6	26.7	26.5	56
3.3	3.3	3.5	24.6	25.5	25.6	6.9	7.2	7.2	20.8	21.7	21.5	10.4	10.7	10.8	57
2.5	2.7	2.7	16.6	17.8	17.5	3.7	3.8	3.7	14.9	15.3	15.3	31.7	32.1	31.7	58
34.2	34.1	33.7	166.5	171.2	170.2	44.3	47.1	46.9	157.0	164.0	164.7	84.7	85.4	85.5	59
10.0	10.0	10.2	63.5	65.2	65.0	19.9	20.5	20.5	63.9	64.5	65.4	31.7	32.8	32.6	60

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

	State and area	Total			Mining			Construction			Manufacturing		
		JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P
1	GEORGIA .....	2,192.3	2,341.3	2,308.8	7.1	7.6	7.6	97.0	117.0	110.9	489.3	522.0	521.6
2	Albany .....	43.7	45.1	44.5	(1)	(1)	(1)	1.8	2.0	2.0	10.4	10.5	10.4
3	Athens .....	53.2	54.9	55.6	-	-	-	1.4	1.8	1.7	13.9	14.8	14.6
4	Atlanta .....	1,013.6	1,093.9	1,078.7	(1)	(1)	(1)	43.0	55.9	53.9	140.2	150.3	148.4
5	Augusta .....	124.1	127.9	126.3	(1)	(1)	(1)	7.4	6.6	6.5	32.5	33.8	33.5
6	Columbus .....	78.8	83.0	82.4	(1)	(1)	(1)	3.7	4.6	4.7	19.3	21.1	21.1
7	Macon .....	99.8	102.7	103.0	(1)	(1)	(1)	4.0	4.7	4.5	16.2	16.5	16.7
8	Savannah .....	87.8	92.0	91.0	(1)	(1)	(1)	4.8	5.2	5.2	15.5	16.8	16.8
9	HAWAII .....	399.8	406.1	402.1	-	-	-	18.0	17.5	17.5	22.0	21.7	21.9
10	Honolulu .....	325.2	331.4	327.4	-	-	-	14.4	14.7	14.6	16.0	15.7	15.8
11	IDAHO .....	302.2	324.1	316.2	3.3	4.2	4.2	10.9	12.4	10.5	45.9	50.2	49.8
12	Boise City .....	75.0	78.4	76.6	-	-	-	4.5	4.7	4.5	8.2	9.1	8.7
13	ILLINOIS .....	4,429.1	4,541.6	4,448.2	23.6	23.7	22.4	131.2	139.8	120.5	932.1	969.9	968.1
14	Bloomington—Normal .....	49.5	50.1	50.2	(2)	(2)	(2)	.8	.9	.7	5.2	5.1	5.4
15	Champaign—Urbana—Rantoul .....	71.1	74.9	70.9	(2)	(2)	(2)	1.6	1.6	1.4	6.8	7.0	6.9
16	Chicago—Gary .....	3,196.3	3,250.6	3,196.6	2.7	3.1	3.0	92.4	106.3	92.1	709.7	713.5	710.3
17	Chicago SMSA <sup>1</sup> .....	2,982.8	3,037.3	2,987.0	2.6	3.0	2.9	83.2	97.4	84.0	639.8	644.9	642.3
18	Davenport—Rock Island—Moline .....	142.0	146.0	145.5	(2)	(2)	(2)	5.5	5.7	5.2	32.6	35.0	35.3
19	Decatur .....	49.2	52.4	52.0	(2)	(2)	(2)	2.0	2.1	2.0	15.2	17.8	17.8
20	Kankakee .....	30.8	31.1	31.2	(2)	(2)	(2)	1.2	1.1	1.1	5.6	5.8	5.9
21	Peoria .....	118.4	128.8	127.6	(2)	(2)	(2)	5.3	6.7	5.9	25.4	34.3	34.9
22	Rockford .....	104.4	111.3	111.3	(2)	(2)	(2)	2.7	3.0	2.8	37.2	43.1	43.3
23	Springfield .....	86.3	87.4	86.9	(2)	(2)	(2)	2.4	2.8	2.3	5.1	5.7	5.9
24	INDIANA .....	1,953.3	2,037.7	2,001.8	9.3	9.2	8.7	64.1	69.7	60.7	552.6	594.9	594.6
25	Anderson .....	42.1	46.5	45.8	-	-	-	.9	1.0	.9	15.9	18.8	18.8
26	Elkhart .....	70.0	80.9	79.9	-	-	-	1.4	2.1	1.7	36.1	43.9	44.0
27	Evanston .....	120.3	124.0	122.1	2.7	2.7	2.6	5.2	6.3	5.5	32.5	33.5	33.5
28	Fort Wayne .....	153.8	158.8	156.9	-	-	-	4.7	5.4	4.7	44.0	45.6	45.7
29	Gary—Hammond—East Chicago <sup>2</sup> .....	213.5	213.3	209.6	-	-	-	9.2	8.9	8.1	69.9	68.6	68.0
30	Indianapolis .....	492.3	515.0	(*)	(1)	(1)	(*)	16.3	19.7	(*)	104.4	107.3	(*)
31	Lafayette—West Lafayette .....	55.6	56.5	57.3	-	-	-	1.3	1.3	1.2	9.8	10.7	10.8
32	Muncie .....	43.8	46.4	(*)	(1)	(1)	(*)	1.1	1.2	(*)	9.8	11.4	(*)
33	South Bend .....	104.5	109.3	107.5	-	-	-	3.1	3.9	3.4	27.5	28.2	28.3
34	Terre Haute .....	57.2	59.4	58.6	1.2	1.2	1.1	2.1	2.6	2.2	11.9	12.5	12.5
35	IOWA .....	996.8	1,031.4	1,012.7	1.3	1.7	1.5	27.9	28.9	26.0	190.3	207.1	206.0
36	Cedar Rapids .....	74.1	75.8	74.0	.1	.1	.1	2.0	2.5	2.1	20.9	20.7	20.2
37	Des Moines .....	169.6	173.3	171.1	-	-	-	4.6	5.4	4.9	20.5	21.3	21.4
38	Dubuque .....	33.6	39.0	37.8	-	-	-	1.0	1.0	.9	7.4	11.6	11.1
39	Sioux City .....	45.7	47.0	46.1	-	-	-	1.3	1.3	1.2	8.9	9.4	9.4
40	Waterloo—Cedar Falls .....	56.4	56.4	54.8	-	-	-	1.3	1.2	1.1	17.3	16.2	16.1
41	KANSAS .....	895.5	928.6	916.2	17.3	17.6	17.3	35.3	38.8	34.9	155.8	169.6	170.4
42	Lawrence .....	27.0	27.5	26.8	-	-	-	.7	.8	.7	4.3	4.0	4.1
43	Topeka .....	81.2	83.2	82.3	.1	.1	.1	2.6	2.8	2.5	8.6	9.4	9.4
44	Wichita .....	182.7	196.1	194.9	3.4	3.2	3.3	7.7	9.0	8.1	45.2	52.2	52.7
45	KENTUCKY .....	1,131.1	1,186.4	1,159.0	43.9	41.1	41.0	41.4	50.0	45.0	235.1	247.5	248.5
46	Lexington—Fayette .....	143.7	152.2	149.2	(1)	(1)	(1)	5.7	7.5	6.5	26.4	28.7	28.6
47	Louisville .....	357.9	369.2	361.4	(1)	(1)	(1)	12.9	16.5	14.9	80.3	84.7	85.9
48	Owensboro .....	29.6	31.7	31.2	1.0	.9	1.0	1.4	1.6	1.6	5.8	6.2	6.1
49	LOUISIANA .....	1,550.8	1,580.7	1,560.3	84.9	79.5	79.7	110.9	115.8	114.3	182.7	178.4	176.0
50	Alexandria .....	52.6	54.6	54.0	(1)	(1)	(1)	3.0	3.5	3.2	5.1	5.4	5.4
51	Baton Rouge .....	201.6	211.2	208.2	1.1	.9	.9	20.5	20.7	19.5	23.1	22.3	21.9
52	Lafayette .....	90.5	87.8	87.3	18.0	16.2	16.5	5.5	5.2	5.2	4.1	3.7	3.7
53	Lake Charles .....	61.5	60.5	58.9	2.4	2.4	2.3	6.7	5.5	4.8	10.0	9.4	9.2
54	Monroe .....	51.4	51.0	49.8	.6	.5	.5	2.7	2.9	2.6	7.1	7.1	7.0
55	New Orleans .....	502.5	508.7	504.5	19.4	18.5	18.3	29.0	32.0	31.7	42.8	39.6	39.3
56	Shreveport .....	144.0	148.9	146.6	6.4	6.5	6.5	8.1	9.2	8.6	22.6	24.0	24.0
57	MAINE .....	401.3	424.6	(*)	.1	.2	(*)	13.6	17.1	(*)	106.9	109.7	(*)
58	Lewiston—Auburn .....	32.2	33.9	(*)	-	-	-	1.1	1.3	(*)	10.4	11.3	(*)
59	Portland .....	92.2	99.9	(*)	-	-	-	3.4	4.2	(*)	16.3	16.8	(*)
60	MARYLAND .....	1,654.5	1,733.4	1,689.3	1.8	1.3	1.2	85.6	98.1	90.5	206.8	214.1	212.7
61	Baltimore SMSA .....	922.5	954.6	932.9	.1	.1	.1	41.4	46.0	42.5	138.0	142.0	141.1
62	Baltimore City .....	424.3	432.0	425.4	(1)	(1)	(1)	12.6	12.3	11.4	54.3	54.3	53.3

See footnotes at end of table.



# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	
144.2	152.0	150.0	522.7	577.3	556.6	118.0	122.6	122.5	375.2	402.9	400.7	438.7	439.8	439.0	1
2.3	2.4	2.3	10.0	10.9	10.5	2.0	2.1	2.0	6.2	6.2	6.1	10.9	11.1	11.2	2
1.6	1.5	1.5	10.2	10.6	10.5	1.7	1.7	1.7	7.0	7.3	7.5	17.4	17.2	18.1	3
90.5	94.8	94.9	285.6	313.6	305.2	73.5	76.2	76.1	215.9	237.5	235.2	164.9	165.4	165.1	4
4.3	4.3	4.3	23.7	25.4	24.8	4.5	4.7	4.7	19.3	19.7	19.3	32.5	33.4	33.2	5
3.1	3.0	3.0	16.3	17.6	16.8	5.3	5.4	5.4	11.7	11.8	11.8	19.4	19.5	19.6	6
4.5	4.3	4.4	20.8	22.6	21.7	6.2	6.3	6.4	17.8	17.5	18.3	30.2	30.7	31.0	7
9.4	10.5	10.1	20.8	21.6	21.1	3.9	4.2	4.2	17.0	17.5	17.6	16.5	16.1	16.1	8
30.8	30.6	30.6	105.3	108.0	106.5	31.4	31.4	31.2	102.6	104.4	104.8	89.7	92.5	89.6	9
25.5	25.5	25.5	85.5	87.8	86.6	27.0	27.1	26.9	80.8	82.0	82.1	76.0	78.6	75.9	10
18.8	18.9	18.6	76.6	83.2	80.7	22.5	23.4	23.2	58.8	62.5	62.2	65.4	69.3	67.0	11
5.1	5.1	5.1	19.3	19.8	19.3	7.5	7.9	7.9	15.2	16.1	15.7	15.2	15.7	15.4	12
259.2	264.3	259.0	1,072.3	1,117.9	1,077.4	319.7	318.0	318.6	994.2	1,012.5	998.9	696.8	695.5	683.3	13
3.5	3.2	3.1	11.9	12.5	12.8	8.3	8.6	8.6	8.7	8.8	8.7	11.1	11.0	10.9	14
2.5	2.5	2.5	17.8	18.4	17.6	2.4	2.4	2.4	11.3	12.0	12.0	28.7	31.0	28.1	15
186.6	191.4	188.6	779.7	803.0	780.2	248.7	245.6	246.0	762.0	779.5	770.4	414.6	408.2	406.0	16
173.9	178.8	176.2	734.4	756.9	734.9	240.2	237.0	237.5	724.5	741.7	733.5	384.2	377.6	375.7	17
6.6	6.8	6.9	38.0	38.7	38.3	7.1	7.1	7.2	26.0	26.2	26.2	26.2	26.5	26.4	18
4.0	4.1	3.9	11.0	11.4	11.5	2.7	2.7	2.7	9.0	9.1	9.1	5.3	5.2	5.0	19
1.2	1.1	1.1	7.1	7.2	7.3	1.5	1.5	1.5	7.0	7.1	7.0	7.2	7.3	7.3	20
6.7	6.7	6.6	31.4	31.5	30.8	6.5	6.5	6.4	26.7	26.9	26.8	16.4	16.2	16.2	21
4.2	4.3	4.2	24.3	24.7	24.6	4.3	4.1	4.1	19.6	20.0	20.1	12.1	12.1	12.2	22
4.3	4.1	4.2	19.2	19.6	19.2	7.3	7.4	7.4	18.6	18.7	18.6	29.4	29.1	29.3	23
99.1	101.1	100.3	449.3	468.6	452.7	98.8	101.2	99.9	350.6	362.6	355.1	329.4	330.5	329.8	24
1.2	1.2	1.1	9.1	9.8	9.5	1.5	1.6	1.6	8.0	8.4	8.2	5.5	5.7	5.7	25
2.4	2.5	2.5	13.5	15.1	14.6	2.0	2.1	2.1	9.6	10.2	10.1	5.0	5.0	4.9	26
7.0	6.9	6.9	29.8	31.4	30.5	4.4	4.5	4.5	26.5	26.6	26.5	12.2	12.1	12.1	27
9.7	9.7	9.7	38.5	40.1	39.2	10.2	10.4	10.3	29.0	30.1	29.9	17.6	17.4	17.3	28
12.7	12.6	12.4	45.3	46.1	45.3	8.5	8.6	8.5	37.5	37.9	37.0	30.4	30.6	30.3	29
29.4	30.3	(*)	125.7	133.7	(*)	37.7	39.0	(*)	96.5	102.7	(*)	81.9	82.3	(*)	30
1.7	1.7	1.7	11.3	12.0	11.8	2.5	2.6	2.5	9.2	9.6	9.4	19.8	18.6	19.9	31
1.8	1.9	(*)	10.7	11.3	(*)	1.5	1.5	(*)	8.6	8.7	(*)	10.6	10.7	(*)	32
4.6	4.7	4.5	26.0	28.3	27.3	5.2	5.2	5.2	26.0	26.8	26.7	12.1	12.2	12.1	33
3.3	3.4	3.3	14.5	15.7	15.5	2.0	2.1	2.0	10.1	10.3	10.2	12.1	11.6	11.8	34
50.0	49.4	49.4	258.7	265.0	258.2	58.6	59.9	59.7	209.0	210.5	208.6	200.9	208.9	203.3	35
3.8	3.8	3.7	18.2	18.5	17.9	4.3	4.3	4.3	15.4	15.8	15.6	9.5	10.1	9.9	36
10.4	10.2	10.3	44.5	45.9	44.8	21.8	22.1	21.8	41.0	41.0	40.5	26.8	27.3	27.3	37
1.7	1.7	1.7	8.4	9.0	8.5	1.3	1.3	1.3	10.3	10.7	10.6	3.7	3.7	3.7	38
3.4	3.3	3.3	11.9	12.5	12.0	2.6	2.5	2.5	11.6	12.0	11.7	6.0	6.0	5.9	39
2.0	1.9	1.8	12.6	13.0	12.6	2.2	2.2	2.2	10.8	10.9	10.6	10.2	11.0	10.1	40
60.5	64.0	63.6	222.5	228.3	222.7	48.9	49.0	49.0	170.4	173.1	172.2	184.8	188.2	186.1	41
1.3	1.3	1.3	5.6	6.1	5.8	.9	.8	.9	3.9	4.0	3.9	10.3	10.4	10.1	42
7.5	7.5	7.5	17.6	18.5	18.1	5.8	5.8	5.8	17.8	17.6	17.6	21.2	21.5	21.3	43
10.0	10.0	10.2	43.6	47.0	46.1	9.7	9.9	9.8	39.0	39.6	39.7	24.1	25.2	25.0	44
61.0	64.7	60.7	257.0	283.0	269.1	51.9	53.3	53.1	217.2	222.0	221.8	223.6	224.8	219.8	45
7.4	7.4	7.4	32.7	35.7	32.9	7.4	7.5	7.4	32.2	34.1	34.1	31.9	31.3	32.3	46
21.9	20.9	18.5	85.4	89.3	86.2	23.6	24.5	24.2	78.5	80.4	79.3	55.3	52.9	52.6	47
2.3	2.4	2.4	7.4	8.1	7.7	1.1	1.3	1.2	6.0	6.4	6.4	4.6	4.8	4.8	48
120.3	115.6	113.1	358.6	380.1	370.0	80.4	83.4	83.4	299.5	307.9	307.2	313.5	320.0	316.6	49
2.5	2.5	2.5	12.0	12.7	12.4	2.8	2.9	2.9	11.4	11.7	11.7	15.8	15.9	15.9	50
10.1	10.3	10.0	46.4	51.2	50.1	11.9	12.4	12.3	37.7	38.7	39.0	50.8	54.7	54.5	51
7.3	6.7	6.7	22.9	23.8	23.4	3.8	3.8	3.8	18.1	18.0	18.3	10.8	10.4	9.7	52
4.2	4.3	4.3	14.1	14.6	14.0	2.8	2.9	2.9	10.7	10.9	10.9	10.6	10.5	10.5	53
2.7	2.7	2.7	13.5	14.7	14.0	3.9	4.1	4.0	10.2	10.1	10.0	10.7	8.9	9.0	54
47.7	46.7	46.9	127.2	131.8	128.7	31.2	31.7	31.7	121.0	122.8	122.6	84.2	85.6	85.3	55
9.3	9.5	9.6	33.9	34.5	33.3	7.8	8.0	8.0	29.9	30.9	30.5	26.0	26.3	26.1	56
17.5	18.4	(*)	85.3	95.2	(*)	17.4	18.0	(*)	78.1	81.8	(*)	82.4	84.2	(*)	57
1.2	1.3	(*)	7.6	8.2	(*)	1.6	1.6	(*)	7.1	7.1	(*)	3.2	3.1	(*)	58
5.4	5.6	(*)	25.4	28.2	(*)	8.1	8.5	(*)	20.5	22.5	(*)	13.1	14.1	(*)	59
84.8	90.2	86.8	405.6	435.9	416.4	95.2	96.4	96.1	387.6	403.5	399.1	387.1	393.9	386.5	60
56.5	59.2	57.5	215.8	229.5	219.4	58.6	59.1	59.0	208.0	215.2	212.8	204.1	203.5	200.5	61
34.6	35.8	35.9	90.5	94.6	90.3	38.7	38.8	38.8	112.3	116.4	115.9	81.3	79.8	79.8	62

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P
<b>1 MASSACHUSETTS</b> .....	2,576.1	2,741.6	2,651.2	.9	1.1	.9	68.3	83.5	72.3	613.2	637.7	633.7
2 Boston .....	1,455.1	1,543.2	1,489.8	.4	.4	.4	38.2	45.6	38.6	276.1	290.0	286.0
3 Brockton .....	55.7	59.0	57.1	(1)	(1)	(1)	1.6	2.2	1.9	11.2	11.0	10.8
4 Fall River .....	52.6	55.8	54.7	-	-	-	1.1	1.5	1.1	18.7	20.0	20.0
5 Lawrence—Haverhill .....	110.3	115.5	112.5	-	-	-	2.7	3.1	2.7	40.8	42.4	42.3
6 Lowell .....	81.1	88.7	86.6	-	-	-	2.1	2.3	1.8	32.2	35.9	36.2
7 New Bedford .....	61.5	66.4	64.7	-	-	-	1.5	2.3	1.8	23.0	25.0	25.4
8 Springfield—Chicopee—Holyoke .....	224.5	238.7	223.8	.1	.1	.1	5.0	6.0	5.0	54.9	55.8	55.3
9 Worcester .....	153.8	159.4	154.7	.3	.4	.3	3.8	4.1	3.4	40.0	39.9	39.7
<b>10 MICHIGAN</b> .....	3,098.3	3,273.9	3,216.6	8.6	8.4	8.5	74.9	86.0	79.1	833.7	932.3	923.5
11 Ann Arbor .....	127.8	142.0	135.4	(1)	(1)	(1)	3.5	3.6	3.5	27.2	35.9	32.3
12 Battle Creek .....	57.0	60.0	58.8	(1)	(1)	(1)	1.2	1.2	1.0	16.7	17.4	17.5
13 Bay City .....	31.3	31.9	31.8	(1)	(1)	(1)	.6	.8	.7	7.8	8.3	8.3
14 Benton Harbor .....	54.0	56.3	55.5	(1)	(1)	(1)	1.9	2.1	1.9	18.3	19.0	19.0
15 Detroit .....	1,503.8	1,581.6	1,549.4	.8	.8	.7	33.5	38.4	35.3	397.9	437.8	431.9
16 Flint .....	166.9	185.2	182.1	(1)	(1)	(1)	2.9	3.5	3.2	59.7	70.0	69.4
17 Grand Rapids .....	256.9	269.9	264.9	(1)	(1)	(1)	8.1	9.2	8.3	83.4	89.8	90.3
18 Jackson .....	45.4	47.1	45.9	(1)	(1)	(1)	.8	1.0	.8	11.4	11.5	11.4
19 Kalamazoo—Portage .....	103.4	106.6	105.3	(1)	(1)	(1)	2.8	3.4	2.9	29.8	31.4	31.3
20 Lansing—East Lansing .....	185.4	190.7	193.8	(1)	(1)	(1)	2.8	4.2	3.9	36.7	41.6	41.8
21 Muskegon—Norton Shores—Musk. Hts. ....	52.0	59.5	55.0	(1)	(1)	(1)	1.7	1.9	1.7	16.0	18.3	18.6
22 Saginaw .....	75.1	80.9	78.9	(1)	(1)	(1)	1.5	1.9	1.7	23.3	26.6	26.6
<b>23 MINNESOTA</b> .....	1,651.2	1,757.1	1,717.6	7.8	7.0	7.9	46.2	60.2	51.3	330.8	350.6	347.2
24 Duluth—Superior .....	50.2	52.1	50.4	(1)	(1)	(1)	1.0	1.1	1.0	4.6	4.6	4.5
25 Minneapolis—St. Paul .....	1,043.3	1,106.6	1,089.0	(1)	(1)	(1)	30.2	37.4	34.3	225.3	237.9	237.5
26 Rochester .....	50.0	51.7	51.1	(2)	(2)	(2)	1.2	1.5	1.3	9.8	10.2	10.3
27 St. Cloud .....	52.9	57.5	55.8	(1)	(1)	(1)	1.7	2.7	2.2	10.1	10.3	10.1
<b>28 MISSISSIPPI</b> .....	769.6	805.1	793.0	9.0	9.0	9.1	33.7	33.6	31.9	193.5	210.3	209.7
29 Jackson .....	141.7	148.2	146.1	1.7	1.7	1.7	4.9	6.3	5.9	15.5	16.5	16.2
<b>30 MISSOURI</b> .....	1,871.6	1,940.9	1,903.1	6.4	6.5	6.3	65.6	74.0	64.5	390.4	412.1	411.0
31 Kansas City .....	594.7	618.5	607.1	.5	.5	.5	18.1	22.6	20.6	105.8	112.3	110.0
32 St. Joseph .....	35.8	36.6	36.2	-	-	-	1.1	1.3	1.4	8.3	8.9	8.7
33 St. Louis .....	962.1	1,002.9	982.5	3.6	3.5	3.4	38.3	44.8	41.0	209.0	217.9	218.7
34 Springfield .....	85.9	92.5	89.3	.1	.1	.1	2.4	3.0	2.7	17.5	19.3	18.9
<b>35 MONTANA</b> .....	264.8	273.3	268.3	7.7	6.4	6.5	10.7	11.9	10.0	20.6	20.7	20.3
<b>36 NEBRASKA</b> .....	593.3	617.4	605.7	1.5	1.6	1.4	18.9	19.5	17.2	82.4	87.9	87.5
37 Lincoln .....	93.5	97.1	94.4	-	-	-	2.4	2.8	2.6	11.3	11.8	11.8
38 Omaha .....	256.1	267.0	262.9	.1	.2	.1	7.9	8.3	7.7	32.0	35.3	35.3
<b>39 NEVADA</b> .....	385.3	416.6	412.2	5.2	6.3	6.2	16.9	20.9	20.0	17.7	19.7	19.7
40 Las Vegas .....	219.7	235.6	234.6	.3	.3	.3	10.8	13.0	12.6	6.5	7.5	7.5
41 Reno .....	106.0	115.4	113.3	.5	.7	.6	4.0	5.4	5.1	7.2	7.8	7.8
<b>42 NEW HAMPSHIRE</b> .....	385.5	419.4	412.0	.3	.3	.3	20.5	23.7	22.1	108.2	117.0	116.3
43 Manchester .....	76.0	80.4	79.8	-	-	-	2.8	3.7	3.4	16.1	16.6	16.5
44 Nashua .....	67.0	74.3	72.6	.1	.1	.1	2.4	2.9	2.7	31.3	34.8	34.4
<b>45 NEW JERSEY</b> .....	3,037.5	3,216.4	(*)	1.8	2.0	(*)	97.2	121.8	(*)	693.7	720.8	(*)
46 Atlantic City .....	98.0	104.9	(*)	-	-	-	3.6	4.6	(*)	7.5	7.8	(*)
47 Camden <sup>5</sup> .....	349.2	365.3	(*)	.1	.1	(*)	11.7	13.8	(*)	68.4	70.8	(*)
48 Hackensack <sup>6</sup> .....	398.0	415.0	(*)	-	-	-	11.9	14.9	(*)	100.2	100.5	(*)
49 Jersey City <sup>6</sup> .....	210.7	223.5	(*)	-	-	-	4.3	4.9	(*)	54.8	59.1	(*)
50 Long Branch—Asbury Park .....	163.6	174.9	(*)	-	-	-	5.7	8.0	(*)	22.7	23.0	(*)
51 New Bruns.—Perth Amboy—Sayreville <sup>6</sup> .....	285.1	302.1	(*)	-	-	-	7.8	10.3	(*)	79.2	81.4	(*)
52 Newark <sup>6</sup> .....	931.1	974.3	(*)	.6	.7	(*)	28.0	31.4	(*)	217.7	222.9	(*)
53 Paterson—Clifton—Passaic <sup>6</sup> .....	183.1	192.0	(*)	-	-	-	5.9	6.9	(*)	61.2	63.8	(*)
54 Trenton .....	162.5	168.1	(*)	-	-	-	2.7	2.9	(*)	30.3	31.0	(*)
55 Vineland—Millville—Bridgeton .....	51.1	52.9	(*)	-	-	-	1.3	1.7	(*)	16.7	16.1	(*)
<b>56 NEW MEXICO</b> .....	463.5	485.3	479.2	22.8	21.0	21.1	28.3	32.0	30.9	33.6	34.9	34.2
57 Albuquerque .....	190.7	203.1	200.5	(1)	(1)	(1)	11.7	13.7	13.1	18.1	19.1	18.7
58 Las Cruces .....	32.7	34.7	34.3	(1)	(1)	(1)	1.8	2.2	2.2	3.0	3.2	3.2
<b>59 NEW YORK</b> .....	7,109.5	7,440.7	7,269.1	6.0	7.1	6.5	199.2	232.0	208.3	1,274.4	1,309.0	1,289.7
60 Albany—Schenectady—Troy .....	332.0	344.9	336.6	(1)	(1)	(1)	8.8	11.6	10.4	50.3	51.9	50.5
61 Binghamton .....	114.9	119.9	118.3	(1)	(1)	(1)	3.4	4.4	3.9	41.3	42.0	41.7
62 Buffalo .....	453.3	472.4	459.1	(1)	(1)	(1)	12.2	14.7	11.9	101.9	103.1	102.3

See footnotes at end of table.

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	
117.6	121.6	118.4	571.6	637.5	604.7	165.7	170.6	168.8	668.6	717.8	690.2	370.2	371.8	362.2	1
70.3	73.1	71.4	321.2	349.9	333.4	115.4	120.9	118.2	449.3	477.0	456.5	184.2	186.3	185.3	2
3.6	4.0	3.9	15.6	16.9	16.3	2.1	2.1	2.1	10.5	11.4	11.0	11.1	11.4	11.1	3
1.9	1.8	1.9	11.9	13.2	12.5	2.7	2.9	2.9	9.5	9.9	9.9	6.8	6.5	6.4	4
4.8	4.8	4.6	22.2	23.9	22.4	4.2	4.3	4.4	19.4	20.6	20.0	16.2	16.4	16.1	5
3.1	3.1	3.1	16.9	18.3	17.2	2.3	2.4	2.5	13.1	14.3	13.7	11.4	12.4	12.1	6
2.2	2.3	2.2	12.5	13.6	12.8	2.1	2.2	2.2	10.4	11.3	10.8	9.8	9.7	9.5	7
9.1	9.4	9.3	47.5	52.5	48.3	13.6	13.9	13.7	48.7	51.9	48.6	45.6	49.1	43.5	8
7.0	7.2	6.6	35.0	38.4	36.6	9.6	9.3	9.1	35.3	37.0	36.1	22.5	23.1	22.9	9
137.0	137.7	135.6	677.3	719.9	691.2	149.5	152.1	152.7	642.6	663.1	655.9	574.7	574.2	570.0	10
3.0	3.1	3.1	20.6	21.5	20.6	4.1	4.4	4.4	24.6	25.5	25.6	44.8	48.0	46.0	11
2.0	1.9	1.9	9.3	11.0	10.4	4.0	4.0	4.0	11.6	12.0	11.9	12.1	12.4	12.1	12
1.5	1.4	1.4	8.4	8.5	8.4	1.3	1.4	1.4	6.6	6.2	6.5	5.1	5.2	5.1	13
2.2	2.3	2.3	10.4	10.9	10.4	1.9	1.9	1.9	11.7	11.9	12.0	7.7	8.2	8.0	14
72.0	73.0	71.0	347.1	368.2	354.0	86.3	87.9	87.8	347.9	360.1	357.1	218.3	215.4	211.7	15
5.5	5.2	5.0	38.7	43.4	41.9	5.8	6.0	5.9	27.8	29.3	29.3	26.5	27.9	27.4	16
10.4	10.6	10.6	63.6	67.2	64.2	10.9	11.0	11.0	52.1	53.8	52.4	28.4	28.4	28.0	17
5.0	5.0	4.9	9.5	10.1	9.5	1.6	1.6	1.6	9.3	9.5	9.4	7.8	8.4	8.2	18
3.9	3.7	3.6	21.8	22.6	21.6	3.9	4.1	4.1	21.8	22.1	21.9	19.4	19.3	19.7	19
5.5	5.5	5.4	34.6	36.4	35.9	9.6	9.6	9.6	29.2	31.2	31.0	66.9	62.1	66.2	20
2.8	2.8	2.8	10.5	11.3	10.9	1.4	1.4	1.4	9.9	10.0	10.0	9.6	13.7	9.7	21
4.5	4.6	4.4	17.0	17.8	16.7	3.8	3.7	3.7	14.0	14.7	14.5	11.0	11.5	11.4	22
90.9	94.9	92.7	414.5	445.1	428.5	98.0	102.1	101.5	376.1	401.2	395.4	287.0	296.0	293.1	23
4.5	5.5	4.8	13.8	14.6	14.4	2.0	2.1	2.1	13.0	13.0	12.8	11.3	11.3	10.8	24
60.7	63.0	62.5	257.1	272.0	263.4	73.0	76.4	75.9	247.3	265.3	263.1	149.8	154.6	152.3	25
1.9	2.0	2.0	10.4	10.9	10.5	1.6	1.6	1.6	20.1	20.3	20.2	5.1	5.3	5.3	26
3.4	3.5	3.4	15.2	16.5	16.3	1.9	2.1	2.1	9.7	11.3	10.7	10.7	11.2	11.0	27
38.0	38.7	37.9	159.3	170.3	163.9	33.0	34.0	34.0	122.1	125.8	125.2	180.9	183.4	181.4	28
9.6	9.7	9.6	35.2	36.9	35.9	11.3	11.6	11.5	29.2	30.9	30.7	34.4	34.8	34.5	29
130.4	132.1	133.5	448.8	464.6	449.7	108.9	108.9	108.2	397.1	407.4	403.9	324.0	335.3	326.0	30
49.9	49.5	49.1	154.5	162.2	158.3	45.8	47.6	47.8	130.4	134.9	132.8	89.7	88.9	88.0	31
2.1	2.0	2.0	8.8	8.9	8.6	2.0	2.0	2.0	7.5	7.6	7.5	6.0	5.9	5.9	32
69.1	70.8	70.6	226.1	236.5	228.3	59.1	59.0	58.7	222.6	232.5	228.4	134.3	137.9	133.4	33
6.1	6.0	5.9	23.7	26.3	25.0	3.7	3.8	3.8	20.8	22.2	21.4	11.6	11.8	11.5	34
20.1	20.1	19.8	69.1	72.6	69.9	12.7	13.0	12.9	55.8	58.3	59.2	68.0	70.3	69.8	35
43.3	43.6	42.9	154.1	160.0	155.7	41.4	41.8	42.0	122.7	126.0	124.7	128.9	137.1	134.2	36
6.4	6.3	6.2	20.8	21.5	20.6	7.0	7.0	7.0	18.2	19.1	18.8	27.3	28.6	27.4	37
22.4	22.7	22.3	66.2	68.5	66.8	23.8	24.2	24.4	62.4	64.1	63.6	41.2	43.7	42.8	38
24.5	24.8	24.8	76.3	85.1	83.1	17.7	19.4	19.3	169.6	181.1	181.3	57.4	59.3	57.8	39
14.0	14.1	14.0	44.0	48.8	47.7	10.2	11.1	11.1	106.9	112.7	113.8	27.0	28.1	27.6	40
7.9	8.1	8.1	23.4	26.1	25.4	5.9	6.3	6.3	40.7	44.0	43.6	16.4	17.0	16.4	41
14.7	15.7	15.4	86.4	98.6	95.1	20.9	21.8	21.9	78.4	85.8	86.1	56.1	56.5	54.8	42
4.8	5.1	5.1	20.3	21.5	21.3	6.2	6.3	6.3	17.3	18.5	18.6	8.5	8.7	8.6	43
1.9	2.1	2.0	12.7	14.5	13.9	2.1	2.3	2.3	11.0	12.1	11.9	5.5	5.5	5.3	44
197.4	205.8	(*)	698.2	761.7	(*)	167.8	174.1	(*)	658.9	694.3	(*)	522.3	535.9	(*)	45
4.5	4.7	(*)	17.7	19.3	(*)	4.8	4.8	(*)	43.6	46.7	(*)	16.3	16.9	(*)	46
15.6	16.1	(*)	92.3	98.5	(*)	17.7	18.3	(*)	74.7	77.5	(*)	68.7	70.2	(*)	47
21.3	21.5	(*)	123.0	130.4	(*)	19.4	20.0	(*)	79.5	84.9	(*)	42.7	42.8	(*)	48
24.8	26.0	(*)	45.3	50.2	(*)	8.2	8.4	(*)	33.5	34.5	(*)	40.0	40.4	(*)	49
6.3	7.0	(*)	41.7	45.6	(*)	7.7	8.3	(*)	43.2	45.9	(*)	36.3	37.1	(*)	50
23.7	23.7	(*)	69.1	74.4	(*)	13.6	14.1	(*)	45.7	48.9	(*)	46.1	49.3	(*)	51
76.6	79.6	(*)	187.8	202.1	(*)	67.3	69.3	(*)	212.9	222.7	(*)	140.1	145.6	(*)	52
7.0	6.8	(*)	40.4	43.8	(*)	9.4	9.1	(*)	34.5	35.7	(*)	24.9	25.8	(*)	53
5.3	5.4	(*)	25.9	28.2	(*)	7.8	7.9	(*)	43.3	45.3	(*)	47.3	47.4	(*)	54
2.4	2.6	(*)	9.0	9.5	(*)	2.5	2.7	(*)	8.8	9.3	(*)	10.4	10.8	(*)	55
29.4	29.4	28.9	106.1	115.9	113.0	22.2	23.5	23.5	94.9	100.3	99.9	126.2	128.3	127.7	56
12.0	12.1	12.0	47.5	52.1	50.5	11.1	12.0	12.0	47.7	50.8	50.8	42.6	43.3	43.4	57
1.4	1.4	1.3	6.1	6.8	6.6	1.2	1.3	1.3	4.4	4.6	4.6	14.8	15.2	15.1	58
411.2	419.7	412.8	1,452.6	1,567.9	1,494.6	671.5	694.2	692.0	1,808.9	1,902.3	1,873.6	1,285.6	1,308.6	1,291.6	59
15.1	15.3	15.1	67.5	73.2	70.0	16.3	16.9	16.8	76.3	79.5	78.8	97.8	96.5	95.0	60
4.4	4.4	4.4	21.1	22.3	21.5	3.8	3.9	3.9	19.4	21.0	21.2	21.4	21.9	21.7	61
23.7	25.0	24.4	108.1	114.6	109.5	22.2	22.7	22.7	102.5	108.5	105.3	82.7	83.8	82.9	62

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P
<b>NEW YORK—Continued</b>												
1 Elmira	33.0	34.3	33.6	(1)	(1)	(1)	.7	1.0	.8	7.9	8.1	8.1
2 Monroe County <sup>7</sup>	339.5	345.7	339.0	(1)	(1)	(1)	7.8	9.7	8.8	131.3	126.3	125.6
3 Nassau—Suffolk <sup>8</sup>	938.7	1,002.3	974.1	(1)	(1)	(1)	36.1	42.4	38.6	164.1	170.0	169.1
4 New York—Northeastern New Jersey	6,691.0	6,898.6	(*)	2.3	2.6	(*)	191.6	210.6	(*)	1,204.0	1,217.0	(*)
5 New York and Nassau—Suffolk <sup>8</sup>	4,678.0	4,882.0	4,790.0	2.1	2.3	2.3	136.2	152.3	142.2	565.6	685.3	675.3
6 New York SMSA <sup>9</sup>	3,739.3	3,879.7	3,815.8	1.9	2.1	2.1	100.1	109.8	103.6	501.5	515.3	506.1
7 New York City <sup>9</sup>	3,290.7	3,408.0	3,355.7	1.7	1.8	1.8	81.9	87.7	84.2	417.2	430.8	421.8
8 Poughkeepsie	102.8	108.0	105.0	(1)	(1)	(1)	2.9	3.9	3.4	34.1	34.1	33.6
9 Rochester	414.0	424.7	415.4	(1)	(1)	(1)	9.6	11.9	10.8	149.3	146.0	144.6
10 Rockland County <sup>9</sup>	83.7	88.0	86.1	(1)	(1)	(1)	2.5	3.2	2.8	15.7	15.6	15.5
11 Syracuse	253.9	270.1	262.5	(1)	(1)	(1)	11.4	13.7	12.1	52.7	57.0	57.0
12 Utica—Rome	107.7	113.4	110.4	(1)	(1)	(1)	1.9	2.7	2.3	26.0	26.8	26.7
13 Westchester County <sup>9</sup>	352.4	370.4	361.0	(1)	(1)	(1)	15.1	18.2	16.1	67.4	67.6	67.5
<b>NORTH CAROLINA</b>												
14 Asheville	2,327.4	2,475.8	2,438.3	4.2	4.4	4.2	99.3	119.3	112.4	766.6	808.4	806.6
15 Charlotte—Gastonia	68.6	70.8	69.2	(1)	(1)	(1)	2.3	2.8	2.6	20.3	21.0	20.9
16 Greensboro—Winston-Salem—High Pt.	337.1	352.7	347.8	(1)	(1)	(1)	15.8	18.3	17.8	88.4	90.9	90.9
17 Raleigh—Durham	382.9	401.4	397.4	(1)	(1)	(1)	15.4	18.4	18.1	142.4	145.9	146.3
18	285.0	303.2	297.6	(1)	(1)	(1)	14.2	16.2	15.5	46.8	50.5	50.1
<b>NORTH DAKOTA</b>												
19 Fargo—Moorhead	241.0	252.3	244.8	7.2	7.6	7.4	13.0	15.2	12.9	14.2	15.1	15.1
20	60.5	64.0	62.6	-	-	-	2.1	2.6	2.2	4.0	4.5	4.5
<b>OHIO</b>												
21 Akron	3,964.2	4,176.1	4,082.8	26.7	27.1	26.8	107.4	130.9	113.7	1,029.2	1,101.9	1,101.0
22 Canton	236.8	250.9	243.4	(*)	(*)	(*)	5.2	6.8	5.6	63.5	66.2	66.2
23 Cincinnati	139.4	146.7	143.1	(*)	(*)	(*)	3.4	4.5	3.6	41.8	44.9	44.5
24 Cleveland	560.1	583.8	572.2	(*)	(*)	(*)	16.8	20.7	18.7	138.8	141.7	143.4
25 Columbus	807.3	837.9	819.7	(*)	(*)	(*)	20.9	25.1	22.9	204.4	212.1	211.9
26 Dayton	485.5	515.7	504.2	(*)	(*)	(*)	12.8	15.5	13.6	81.6	86.2	86.3
27 Toledo	328.1	344.3	339.6	(*)	(*)	(*)	7.7	9.4	8.2	83.2	90.2	90.4
28 Youngstown—Warren	274.7	291.1	285.6	(*)	(*)	(*)	9.5	9.7	8.4	66.2	74.0	74.3
29	168.9	182.0	177.6	(*)	(*)	(*)	3.7	4.8	4.1	47.9	55.6	55.4
<b>OKLAHOMA</b>												
30 Enid	1,167.6	1,181.0	1,167.1	85.3	74.7	76.0	49.2	48.8	45.0	164.9	169.1	168.7
31 Lawton	26.2	27.4	26.2	2.5	2.1	2.2	1.3	1.3	1.2	2.3	2.5	2.4
32 Oklahoma City	31.6	32.4	31.7	(1)	(1)	(1)	1.3	1.3	1.3	3.2	3.3	3.3
33 Tulsa	418.4	432.1	426.8	24.1	23.0	23.1	17.7	18.4	17.3	46.1	52.1	52.5
34	303.1	304.0	296.2	23.5	22.7	22.7	14.2	14.7	13.9	54.2	52.5	51.3
<b>OREGON</b>												
35 Eugene—Springfield	929.7	976.4	966.2	1.3	1.6	1.5	23.0	25.5	24.8	176.3	186.3	186.9
36 Medford	87.5	92.9	91.7	.1	.2	.2	2.2	2.2	2.1	15.6	17.7	17.7
37 Portland	-	-	-	-	-	-	-	-	-	6.2	7.7	7.8
38 Salem	508.9	524.9	519.0	.6	.6	.6	14.5	15.7	14.9	93.9	94.8	95.6
39	77.3	80.6	79.6	-	.1	-	2.0	2.3	2.2	9.4	10.1	10.0
<b>PENNSYLVANIA</b>												
40 Allentown—Bethlehem—Easton	4,407.0	4,596.5	4,492.4	38.9	39.9	38.9	143.6	162.2	144.2	1,078.4	1,115.4	1,106.6
41 Altoona	240.4	252.4	249.1	.6	.7	.7	6.3	8.0	7.2	85.9	88.0	88.7
42 Delaware Valley <sup>10</sup>	44.0	45.6	44.8	.1	.1	.1	1.3	1.5	1.3	10.2	11.0	10.9
43 Erie	1,529.6	1,600.9	1,571.2	.9	1.0	.9	52.6	64.3	57.3	315.6	323.0	320.3
44 Harrisburg	100.5	104.3	102.6	.1	.2	.2	2.3	3.1	2.8	33.4	34.0	34.2
45 Johnstown	215.3	226.2	224.1	.1	.1	.1	6.4	7.2	6.5	38.4	41.1	41.7
46 Lancaster	71.8	75.5	73.0	5.6	6.2	6.1	1.7	2.0	1.7	12.4	12.8	12.2
47 Northeast Pennsylvania	145.7	157.4	152.9	.3	.4	.3	5.4	6.4	6.2	53.7	56.6	56.1
48 Philadelphia SMSA	226.0	233.6	229.0	.8	.8	.7	9.3	7.4	6.3	60.1	62.4	63.3
49 Philadelphia City <sup>11</sup>	1,878.9	1,967.8	1,933.0	.9	1.1	1.0	64.3	78.1	69.4	383.3	394.0	391.1
50 Pittsburgh	735.4	759.5	746.3	(*)	(*)	(*)	15.8	19.1	17.6	108.6	110.8	109.3
51 Reading	845.6	862.3	846.6	6.9	6.7	6.6	33.5	36.6	32.2	170.3	166.3	164.3
52 Sharon	130.7	142.8	139.1	.2	.2	.2	3.6	4.5	4.2	47.5	53.0	52.4
53 State College	39.6	39.9	38.7	.4	.4	.4	.8	.8	.7	11.1	10.8	10.3
54 Williamsport	46.0	46.3	45.6	-	-	-	1.0	1.0	.9	7.2	7.6	7.7
55 York	42.4	44.3	44.3	.1	.1	.1	1.0	1.1	.9	13.8	14.4	14.7
56	142.9	151.9	149.6	.4	.4	.3	5.1	5.5	5.1	54.0	57.9	57.3
<b>RHODE ISLAND</b>												
57 Providence—Warwick—Pawtucket	379.7	400.5	394.1	.1	.1	.1	9.6	11.8	11.2	110.8	118.1	116.5
58	382.7	401.9	396.7	.2	.2	.2	9.5	11.4	10.8	121.2	127.5	125.6
<b>SOUTH CAROLINA</b>												
59 Charleston—North Charleston	1,138.9	1,214.2	1,193.6	1.6	1.7	1.7	61.5	72.6	70.1	352.4	370.5	369.4
60 Columbia	148.6	157.3	154.7	-	-	-	9.5	10.9	10.7	18.4	19.2	19.1
61 Greenville—Spartanburg	179.7	192.3	191.6	-	-	-	9.5	13.6	13.6	24.5	26.3	26.5
62	255.3	267.2	263.5	-	-	-	14.8	16.3	15.1	94.0	98.9	99.6

See footnotes at end of table.

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	
1.4	1.4	1.4	8.3	9.0	8.8	1.1	1.1	1.1	7.5	7.5	7.3	6.2	6.3	6.2	1
10.4	10.1	10.0	63.7	68.4	65.5	14.7	15.2	15.1	73.2	76.3	75.4	38.4	39.7	38.5	2
42.2	44.8	44.0	245.9	271.0	258.3	55.5	58.0	57.9	223.6	241.3	234.8	171.2	174.8	171.4	3
463.0	464.2	(*)	1,399.4	1,483.6	(*)	682.7	695.1	(*)	1,694.4	1,751.4	(*)	1,053.6	1,074.1	(*)	4
306.0	310.3	306.5	951.2	1,024.2	981.2	565.2	583.8	582.3	1,291.8	1,349.7	1,332.5	760.0	774.3	767.7	5
263.8	265.4	262.5	705.3	753.2	723.0	509.6	525.8	524.4	1,068.3	1,108.6	1,097.9	588.8	599.5	596.3	6
240.3	240.5	237.7	599.9	637.3	613.1	485.0	500.1	499.0	953.0	987.1	977.7	511.6	522.6	520.3	7
3.2	3.3	3.3	16.9	18.0	17.2	3.0	3.1	3.1	19.5	21.8	21.0	23.3	23.8	23.3	8
12.9	12.7	12.6	80.3	86.8	82.8	16.4	16.9	16.8	85.8	89.1	88.2	59.7	61.2	59.6	9
3.5	3.6	3.6	18.1	20.0	18.9	3.0	3.5	3.4	20.1	21.6	21.5	20.9	20.6	20.2	10
14.1	14.9	14.8	56.6	59.9	57.9	16.9	17.4	17.3	54.8	59.8	56.5	47.3	47.4	46.9	11
4.0	4.2	4.1	21.8	23.5	22.8	5.7	6.1	6.0	20.8	22.0	21.5	27.6	28.0	27.0	12
19.5	20.7	20.5	84.3	92.3	87.5	21.1	21.7	21.5	92.1	96.6	95.5	53.0	53.2	52.6	13
117.2	121.9	119.9	484.6	530.2	515.6	97.6	102.1	102.0	353.9	365.5	362.2	404.0	424.0	415.4	14
3.4	3.5	3.5	15.0	16.2	15.3	2.2	2.3	2.3	14.0	13.7	13.4	11.4	11.3	11.2	15
32.1	32.1	31.8	83.2	87.5	85.1	23.6	23.5	23.5	57.1	62.2	61.0	36.9	38.2	37.7	16
20.3	21.8	21.6	78.8	84.1	81.4	18.6	19.1	19.1	59.7	62.5	61.9	47.7	49.6	49.0	17
14.2	14.7	14.5	55.8	60.4	58.5	15.6	16.7	16.6	62.2	64.2	64.3	76.2	80.5	78.1	18
15.9	16.5	16.0	63.4	66.8	63.7	11.7	12.0	11.9	54.4	56.4	56.0	61.2	62.7	61.8	19
3.8	3.8	3.6	17.8	19.0	18.3	3.8	3.9	3.9	15.7	16.4	16.3	13.3	13.8	13.8	20
194.1	200.2	194.1	899.4	951.7	909.0	205.4	212.1	210.8	843.8	880.7	866.8	658.2	671.5	660.7	21
12.3	12.5	12.1	54.9	58.8	55.9	9.2	9.5	9.5	50.6	53.4	52.6	40.4	43.0	40.9	22
6.0	5.8	5.7	32.2	33.9	32.4	6.4	6.6	6.6	29.9	31.0	30.5	18.5	18.6	18.5	23
30.5	31.5	30.7	137.2	144.0	137.5	32.2	33.1	32.9	123.3	131.4	128.7	81.0	81.0	80.0	24
40.5	41.8	40.6	189.3	197.9	188.8	48.1	48.9	48.8	189.1	196.3	193.0	113.8	114.5	112.5	25
22.3	23.5	22.7	117.5	127.6	122.1	41.7	44.2	44.2	108.1	114.4	112.7	101.0	103.7	102.0	26
12.4	12.6	12.6	69.8	74.4	70.9	13.5	14.0	13.8	74.5	76.5	76.5	66.9	67.1	67.0	27
16.9	17.5	17.2	62.9	65.7	62.8	10.4	10.8	10.7	62.3	64.7	64.1	46.3	48.6	47.7	28
7.2	7.4	7.2	40.6	42.6	40.6	7.0	7.2	7.2	37.7	39.0	38.9	24.1	24.6	23.6	29
67.7	66.8	67.1	281.2	293.1	284.0	61.5	62.5	61.5	210.5	217.2	216.7	247.3	248.8	248.1	30
2.6	2.8	2.6	7.1	7.8	7.3	1.2	1.3	1.2	5.2	5.6	5.3	4.0	4.0	4.0	31
1.5	1.5	1.4	7.9	8.4	8.2	1.4	1.4	1.3	5.4	5.7	5.5	10.9	10.8	10.7	32
23.3	23.3	23.2	106.7	111.3	108.1	26.9	27.5	27.3	78.4	81.0	80.5	95.2	95.5	94.8	33
22.2	22.0	16.5	71.6	72.7	69.7	16.3	16.6	16.7	65.2	67.1	67.4	35.9	35.7	38.0	34
54.2	55.5	54.5	230.3	252.4	246.0	62.6	65.5	65.1	187.1	193.7	191.4	194.9	195.9	196.0	35
4.3	4.4	4.3	21.9	24.0	23.4	4.3	4.5	4.5	18.0	18.5	18.3	21.1	21.4	21.2	36
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37
34.2	35.2	34.7	133.4	141.3	137.2	42.0	43.6	43.3	108.7	112.9	111.7	81.6	80.8	81.0	38
2.6	2.7	2.7	17.5	19.2	18.5	5.2	5.2	5.2	14.5	14.9	14.6	26.1	26.1	26.4	39
237.1	247.1	241.0	967.0	1,036.0	1,001.5	237.8	243.7	245.8	1,032.3	1,079.4	1,055.6	671.9	672.8	658.8	40
13.1	13.1	13.0	49.6	53.1	51.1	9.5	9.9	9.7	47.5	51.4	50.8	27.9	28.2	27.9	41
5.1	5.1	5.0	10.4	10.8	10.4	1.5	1.5	1.5	8.5	8.9	8.9	6.9	6.7	6.7	42
76.0	78.1	79.2	332.6	358.1	348.3	108.8	111.6	112.7	418.7	443.8	433.0	224.4	221.0	219.5	43
4.3	4.3	4.3	20.8	21.9	21.3	4.7	4.7	4.7	22.7	23.5	23.3	12.2	12.6	11.8	44
16.0	16.4	16.3	45.3	48.4	47.8	12.6	13.1	13.3	41.6	44.0	43.1	54.9	55.9	55.3	45
4.6	4.8	4.8	14.4	15.9	15.0	3.8	3.9	3.9	16.3	17.2	16.9	13.0	12.7	12.4	46
6.2	5.8	6.0	34.5	38.1	36.6	5.4	5.8	5.7	26.4	29.1	28.0	13.8	15.2	14.0	47
12.5	12.7	12.4	49.5	53.2	51.0	9.5	9.8	9.7	48.4	50.7	50.4	35.9	36.6	35.2	48
91.6	94.1	95.0	425.7	459.3	446.4	126.4	129.9	130.9	493.6	520.0	508.9	293.1	291.3	290.3	49
46.4	47.3	48.4	139.9	149.7	143.9	64.1	62.7	63.1	221.9	233.4	227.9	138.7	136.5	136.1	50
50.9	52.8	52.2	201.3	210.6	206.4	47.4	47.8	48.0	226.7	233.7	230.4	108.6	107.8	106.5	51
5.7	5.7	5.6	27.0	30.2	28.5	6.0	6.3	6.4	25.1	26.2	25.8	15.6	16.7	16.0	52
2.0	2.1	2.0	9.0	9.4	9.1	1.3	1.3	1.3	9.7	10.0	9.9	5.3	5.1	5.0	53
1.1	1.3	1.2	8.7	9.2	8.6	1.4	1.3	1.4	6.4	6.9	6.8	19.8	18.7	18.7	54
1.9	2.0	1.9	9.1	9.6	9.6	2.1	2.1	2.1	8.4	8.8	8.9	6.0	6.2	6.1	55
6.5	7.0	6.5	32.5	35.6	35.0	3.9	4.0	4.0	22.7	23.8	23.9	17.8	17.7	17.5	56
13.1	13.3	13.2	78.6	85.1	83.0	21.3	21.3	21.3	89.0	93.4	91.8	57.2	57.4	57.0	57
13.1	13.4	13.3	78.4	84.7	82.7	20.6	20.7	20.7	85.4	89.7	88.3	54.3	54.3	55.1	58
52.3	55.3	54.5	223.4	247.2	235.9	48.5	51.6	50.8	167.7	178.3	177.3	231.5	237.0	233.9	59
8.2	8.4	8.2	33.9	37.3	35.8	6.6	7.1	7.0	26.0	26.8	26.6	46.0	47.5	47.2	60
9.5	9.2	8.5	37.8	40.0	40.2	14.4	15.0	15.0	29.7	32.0	32.2	54.0	55.9	55.3	61
9.4	9.7	9.3	53.4	56.2	54.8	10.3	10.8	10.6	38.5	38.9	38.4	34.7	36.2	35.5	62

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

## B-8. Employees on nonagricultural payrolls for States and selected areas by Industry division—Continued

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P
1 SOUTH DAKOTA .....	223.2	234.3	229.7	2.4	2.6	2.5	6.2	7.7	6.8	23.8	26.6	26.4
2 Sioux Falls .....	53.7	57.9	57.8	-	-	-	1.7	2.2	2.0	7.4	8.6	8.4
3 TENNESSEE .....	1,660.7	1,766.6	1,746.8	7.7	8.3	6.9	61.5	74.7	71.5	450.1	485.3	483.0
4 Chattanooga .....	163.1	166.9	165.9	1.1	1.1	1.0	5.1	6.0	5.8	42.3	44.1	44.1
5 Knoxville .....	199.3	204.8	201.9	1.5	1.3	1.2	7.7	11.0	9.1	47.7	50.1	48.4
6 Memphis .....	342.3	357.5	351.9	.1	.1	.1	11.8	14.1	13.5	50.1	51.2	51.0
7 Nashville—Davidson .....	363.7	386.6	373.0	(1)	(1)	(1)	17.1	19.6	19.8	76.4	83.7	83.7
8 TEXAS .....	6,115.7	6,281.9	6,223.7	273.4	263.6	264.9	411.2	413.6	403.4	964.5	972.3	964.7
9 Abilene .....	59.0	57.7	57.5	4.8	4.2	4.2	2.7	3.0	3.0	7.5	5.7	5.8
10 Amarillo .....	76.3	79.1	77.8	(1)	(1)	(1)	3.7	3.7	3.6	9.7	9.5	9.4
11 Austin .....	277.1	291.3	289.5	(1)	(1)	(1)	15.7	18.4	18.6	33.0	34.2	34.3
12 Beaumont—Port Arthur—Orange .....	142.4	141.3	138.7	(1)	(1)	(1)	10.3	9.8	9.2	33.3	31.9	31.4
13 Brownsville—Harrington—San Benito .....	61.4	63.5	62.8	(1)	(1)	(1)	3.5	3.5	3.4	10.7	10.9	10.8
14 Bryan—College Station .....	43.6	46.3	44.0	1.1	1.1	1.1	3.0	3.2	3.2	2.9	3.0	3.1
15 Corpus Christi .....	131.6	127.7	126.7	8.0	7.2	7.3	14.1	9.6	9.7	14.0	14.1	14.0
16 Dallas—Fort Worth .....	1,533.1	1,621.7	1,607.7	30.1	28.4	28.4	88.0	98.8	97.8	301.9	312.3	312.8
17 El Paso .....	162.4	165.6	164.8	(1)	(1)	(1)	7.7	8.6	8.8	34.2	36.2	35.9
18 Galveston—Texas City .....	66.5	68.9	67.8	(1)	(1)	(1)	3.7	4.3	4.1	10.9	10.4	10.2
19 Houston .....	1,516.0	1,512.6	1,502.0	100.9	98.9	98.3	139.1	133.3	131.7	210.5	196.5	195.3
20 Killeen—Temple .....	58.7	61.6	61.1	(1)	(1)	(1)	3.0	3.6	3.7	7.8	8.7	8.6
21 Laredo .....	30.2	30.1	29.9	(1)	(1)	(1)	1.3	1.4	1.3	1.8	1.9	1.8
22 Longview—Marshall .....	67.0	67.7	67.1	(1)	(1)	(1)	4.8	4.7	4.7	15.2	14.6	14.5
23 Lubbock .....	90.8	91.8	90.1	(1)	(1)	(1)	3.8	4.1	4.0	13.0	9.7	9.4
24 McAllen—Pharr—Edinburg .....	79.6	80.8	76.7	1.5	1.4	1.5	5.1	5.3	5.2	10.6	10.8	9.4
25 Midland .....	51.1	54.0	54.4	12.9	12.3	12.1	3.7	3.5	3.5	3.6	3.8	3.9
26 Odessa .....	56.5	56.8	57.1	8.9	8.9	8.7	4.8	4.6	4.4	6.6	6.1	6.1
27 San Angelo .....	37.7	37.5	36.9	1.1	.8	.8	2.5	2.3	2.3	5.9	5.6	5.6
28 San Antonio .....	423.4	444.9	442.8	3.3	3.5	3.5	28.6	31.2	30.6	48.5	49.6	49.4
29 Sherman—Denison .....	33.6	34.6	34.3	.2	.2	.2	1.2	1.3	1.3	10.9	11.4	11.4
30 Texarkana .....	44.6	46.2	45.6	.1	.1	.1	1.8	1.7	1.6	8.4	8.6	8.4
31 Tyler .....	57.3	58.1	57.7	3.5	3.1	3.1	2.6	2.5	2.5	11.7	11.8	11.9
32 Waco .....	70.8	75.5	74.4	(1)	(1)	(1)	3.4	3.9	3.8	14.5	15.5	15.6
33 Wichita Falls .....	51.6	53.8	53.4	3.2	3.3	3.3	2.0	2.2	2.1	8.3	9.1	9.1
34 UTAH .....	551.1	586.7	577.3	14.5	14.3	14.3	23.1	29.6	27.4	81.0	90.0	89.3
35 Salt Lake City—Ogden .....	391.9	418.1	412.1	5.8	6.3	6.3	15.6	20.4	18.9	56.4	61.6	61.5
36 VERMONT .....	199.1	209.1	203.5	.5	.5	.4	8.1	11.0	9.0	46.2	47.9	47.3
37 Burlington <sup>12</sup> .....	59.8	64.1	61.5	-	-	-	2.6	3.5	3.1	15.4	15.7	15.6
38 Springfield <sup>12</sup> .....	12.7	12.9	12.7	(1)	(1)	(1)	.7	1.2	.9	4.2	3.8	3.9
39 VIRGINIA .....	2,121.8	2,251.5	2,213.5	17.0	18.4	17.9	97.2	118.8	113.3	388.5	407.6	405.5
40 Bristol .....	26.7	27.6	27.4	.1	.1	.1	.8	1.1	1.1	8.8	9.1	9.1
41 Lynchburg .....	67.2	70.8	70.0	.1	.1	.1	2.2	2.7	2.6	25.6	26.8	26.7
42 Newport News—Hampton .....	148.9	161.4	158.4	.1	.1	.1	6.0	7.8	7.5	36.9	39.1	39.2
43 Norfolk—Virginia Beach—Portsmouth .....	288.3	311.0	306.5	.1	.1	.1	16.6	20.4	19.9	24.2	26.7	26.5
44 Northern Virginia <sup>13</sup> .....	485.8	520.8	515.1	.5	.5	.5	23.5	29.3	28.4	23.0	26.4	26.6
45 Petersburg—Colonial Hgts.—Hopewell .....	41.7	40.5	40.6	.1	.1	.1	1.5	1.8	1.7	8.4	7.0	7.1
46 Richmond .....	324.9	338.7	334.9	.3	.3	.2	14.3	15.8	15.4	54.5	54.8	55.1
47 Roanoke .....	99.3	103.9	102.5	.1	.1	.1	4.1	5.5	5.1	19.2	20.0	19.7
48 WASHINGTON .....	1,526.0	1,601.4	1,570.4	2.4	2.9	2.8	64.9	68.2	63.6	271.9	273.7	271.7
49 WEST VIRGINIA .....	569.7	591.9	580.9	49.9	49.7	50.1	18.1	21.2	17.9	89.4	91.1	90.2
50 Charleston .....	103.3	106.3	103.9	4.4	4.0	3.9	3.6	4.5	3.8	15.3	13.9	13.9
51 Huntington—Ashland .....	92.0	93.3	91.6	.9	.6	.7	4.3	4.1	3.5	19.4	19.5	19.6
52 Parkersburg—Marietta .....	54.9	56.3	55.7	1.2	1.2	1.2	2.4	2.3	2.0	14.3	14.8	14.9
53 Wheeling .....	57.8	58.9	57.3	3.9	3.4	3.5	1.5	1.9	1.6	8.8	8.5	8.6
54 WISCONSIN .....	1,798.1	1,889.9	1,845.5	1.4	2.2	1.9	48.1	56.5	51.2	465.3	497.4	494.9
55 Appleton—Oshkosh .....	121.9	127.9	125.3	(1)	(1)	(1)	4.1	4.9	4.4	43.6	46.4	46.3
56 Eau Claire .....	47.1	49.5	48.7	(1)	(1)	(1)	1.3	1.3	1.2	8.5	8.8	8.5
57 Green Bay .....	77.4	81.1	79.3	(1)	(1)	(1)	2.5	3.1	2.6	20.4	20.8	20.8
58 Janesville—Beloit .....	48.5	52.3	50.8	(1)	(1)	(1)	1.2	1.4	1.3	16.8	19.2	18.9
59 Kenosha .....	41.3	44.0	43.3	(1)	(1)	(1)	1.3	1.1	1.0	15.9	18.0	17.8
60 La Crosse .....	44.2	46.7	45.7	(1)	(1)	(1)	1.1	1.3	1.2	9.8	10.1	10.0
61 Madison .....	168.4	177.2	171.7	(1)	(1)	(1)	4.5	6.4	5.6	18.3	18.8	18.7
62 Milwaukee .....	614.8	633.1	621.6	(1)	(1)	(1)	14.5	15.7	14.3	161.9	169.0	169.5
63 Racine .....	60.1	64.3	63.2	(1)	(1)	(1)	1.1	1.0	.9	21.4	24.9	24.9

See footnotes at end of table.

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	
12.2	12.3	12.4	59.3	61.3	60.2	12.0	12.8	12.6	51.2	52.7	52.1	56.1	58.3	56.8	1
4.5	4.4	4.5	15.0	15.8	15.7	4.2	4.9	4.9	14.1	15.3	15.5	6.6	6.8	6.7	2
80.3	84.0	83.0	374.6	406.8	393.5	79.1	80.7	82.0	307.8	327.8	323.6	299.6	299.0	303.4	3
7.0	7.3	7.2	35.5	37.5	37.5	9.8	10.1	10.1	30.3	29.9	29.2	32.0	30.9	31.0	4
7.8	7.3	6.7	44.7	46.1	46.6	8.7	8.1	8.3	35.9	36.9	36.6	45.3	44.0	45.0	5
26.5	27.1	27.0	95.1	101.1	97.1	19.7	20.8	20.8	77.0	81.2	80.6	62.0	61.9	61.8	6
19.1	20.2	18.2	84.8	90.8	86.7	26.2	26.7	25.5	78.8	84.2	79.4	61.2	61.4	59.7	7
368.0	377.2	373.3	1,530.1	1,604.8	1,567.8	380.4	397.7	397.6	1,149.1	1,194.9	1,192.3	1,039.0	1,057.8	1,059.7	8
3.2	3.2	3.2	15.0	15.5	14.9	3.1	3.2	3.2	13.2	13.4	13.6	9.5	9.5	9.6	9
6.5	6.5	6.5	22.8	24.2	23.4	4.0	4.3	4.3	16.5	16.5	16.5	13.1	14.4	14.1	10
8.0	8.1	8.1	62.7	66.8	65.9	17.7	18.2	18.3	55.8	58.9	58.6	84.2	86.7	85.7	11
12.2	11.6	11.4	32.8	33.8	32.8	5.6	5.5	5.7	28.2	28.6	28.2	20.0	20.1	20.0	12
3.2	3.2	3.1	16.9	17.6	17.0	3.0	3.1	3.1	10.5	11.2	11.3	13.6	14.0	14.1	13
1.6	1.8	1.7	9.8	10.3	10.0	1.9	1.9	1.9	6.3	6.5	6.4	17.0	18.5	16.6	14
7.8	7.5	7.4	31.7	32.3	31.8	6.3	6.4	6.4	23.4	23.9	23.5	26.3	26.7	26.6	15
95.1	98.2	97.7	415.4	445.4	434.9	122.4	130.7	130.9	298.2	318.5	318.4	182.0	189.4	186.8	16
10.1	9.7	9.6	40.5	40.9	40.2	7.7	7.8	7.8	28.3	27.9	28.0	33.9	34.5	34.5	17
5.8	6.1	5.8	12.6	12.8	12.3	4.5	4.5	4.5	10.7	10.9	11.0	18.3	19.9	19.9	18
105.4	103.6	102.7	371.4	373.7	367.8	103.0	105.1	105.0	306.1	318.8	318.6	179.6	182.7	182.6	19
3.1	3.0	3.0	13.7	14.9	14.4	2.3	2.4	2.4	10.9	11.1	11.0	17.9	17.9	18.0	20
3.2	3.2	3.1	9.4	9.1	8.9	1.5	1.3	1.4	6.0	5.9	6.1	7.0	7.3	7.3	21
3.6	3.7	3.7	16.9	17.6	17.2	2.9	2.8	2.8	15.7	16.0	15.9	7.9	8.3	8.3	22
4.7	4.9	4.8	25.7	27.0	26.7	5.2	5.2	5.3	18.5	19.5	19.4	19.9	21.4	20.5	23
2.7	2.6	2.7	25.9	26.3	23.4	3.0	3.3	3.3	10.8	11.1	11.2	20.0	20.0	20.0	24
2.8	2.9	2.9	11.6	13.2	13.5	3.5	3.8	3.9	8.0	9.1	9.1	5.0	5.4	5.5	25
3.0	2.9	3.0	16.1	16.5	16.7	2.5	2.3	2.3	7.7	8.4	8.8	6.9	7.1	7.1	26
3.8	3.7	3.7	9.0	9.2	8.9	1.5	1.6	1.5	7.4	7.5	7.4	6.5	6.8	6.7	27
17.3	18.4	18.5	107.2	115.2	113.2	30.3	32.0	32.0	90.2	95.0	95.5	98.0	100.0	100.1	28
2.1	2.2	2.1	7.1	7.1	6.8	1.2	1.3	1.3	6.2	6.3	6.3	4.7	4.8	4.9	29
2.1	2.0	2.0	10.0	11.0	10.7	1.6	1.7	1.7	7.8	8.3	8.3	12.8	12.8	12.8	30
2.8	2.8	2.9	14.7	14.9	14.5	3.1	3.2	3.1	11.3	11.7	11.7	7.6	8.1	8.0	31
3.2	3.2	3.2	17.8	19.3	18.8	4.5	4.6	4.5	16.2	17.3	16.9	11.2	11.7	11.6	32
2.8	2.8	2.8	13.1	13.7	13.5	2.5	2.5	2.5	8.9	9.3	9.3	10.8	10.9	10.8	33
35.0	36.8	36.3	130.8	141.2	135.6	27.3	29.1	28.9	111.2	115.6	115.3	128.2	130.0	130.3	34
27.6	29.0	28.6	97.3	106.2	102.2	22.4	23.9	23.8	75.6	78.7	78.5	91.1	91.9	92.4	35
8.5	9.0	8.7	42.1	44.6	43.0	8.5	9.0	8.9	49.9	49.8	50.8	35.3	37.3	35.4	36
2.4	2.6	2.5	12.8	13.6	13.1	2.5	2.7	2.6	14.3	14.9	14.8	9.8	11.1	9.8	37
.6	.6	.6	2.2	2.4	2.3	.3	.4	.4	2.9	2.8	3.0	1.8	1.7	1.7	38
117.8	122.7	120.5	459.7	503.6	482.0	105.8	111.5	110.8	437.8	458.8	455.7	498.1	510.2	507.8	39
1.1	1.1	1.1	6.6	6.8	6.6	.9	.9	1.0	3.4	3.3	3.3	5.1	5.0	5.1	40
2.8	3.0	2.9	11.9	13.0	12.6	3.1	3.3	3.2	11.9	12.5	12.5	9.5	9.6	9.5	41
4.8	4.6	4.7	29.5	34.3	31.9	4.5	4.7	4.7	29.0	31.8	31.4	38.3	39.0	38.9	42
19.6	19.9	19.9	70.2	78.5	75.8	14.6	16.0	15.4	63.0	67.1	66.8	80.1	82.2	82.1	43
33.8	36.7	36.3	112.0	121.6	118.1	29.3	31.1	30.9	140.7	151.0	150.8	123.1	124.2	123.5	44
1.3	1.2	1.2	8.2	8.5	8.4	1.2	1.2	1.2	6.9	6.8	6.8	14.3	14.1	14.0	45
19.6	19.6	19.7	79.4	84.4	82.1	26.8	27.4	27.5	59.6	63.9	62.4	70.4	72.5	72.6	46
8.5	8.1	8.0	25.1	27.3	27.0	6.0	6.2	6.2	21.5	21.9	21.9	14.8	14.7	14.5	47
84.6	88.8	85.7	375.0	412.4	397.2	89.2	92.9	92.3	314.6	327.1	323.9	323.4	335.4	333.2	48
39.2	39.5	39.3	123.7	131.2	126.9	21.8	22.0	21.9	102.3	105.7	105.1	125.4	131.6	129.5	49
8.9	9.0	9.0	25.0	27.6	26.6	5.1	5.2	5.1	21.0	21.3	21.1	20.0	20.8	20.5	50
8.0	8.1	8.0	22.7	23.8	22.6	3.6	3.5	3.6	15.0	15.0	15.0	18.3	18.7	18.5	51
2.1	2.1	2.1	12.9	13.5	13.1	2.0	2.1	2.1	10.6	10.7	10.8	9.5	9.6	9.6	52
3.5	3.5	3.5	14.4	15.1	14.2	2.8	2.7	2.7	14.3	14.4	14.1	8.9	9.4	9.2	53
83.6	88.5	84.8	413.1	440.6	418.1	95.9	97.6	96.9	378.3	387.4	383.8	312.3	319.8	313.8	54
4.7	4.8	4.8	25.6	27.3	25.9	5.8	6.1	6.2	22.0	22.3	22.0	16.2	16.2	15.8	55
2.6	2.7	2.6	12.6	14.0	13.6	1.7	1.7	1.7	10.1	10.3	10.3	10.2	10.7	10.8	56
5.6	5.8	5.8	20.8	22.1	21.5	2.6	2.6	2.6	15.7	16.5	16.2	9.8	10.1	9.8	57
1.9	2.2	2.2	11.5	12.0	11.5	1.4	1.4	1.4	9.2	9.6	9.3	6.4	6.5	6.2	58
1.1	1.1	1.1	7.9	7.9	7.5	1.0	1.0	1.0	8.1	8.2	8.3	6.0	6.6	6.5	59
2.1	2.1	2.2	11.8	12.7	12.2	1.3	1.3	1.3	11.5	12.1	12.3	6.7	6.9	6.6	60
5.9	6.0	5.9	37.4	42.0	38.2	13.3	13.0	12.9	34.4	35.1	34.7	54.6	55.9	55.8	61
31.6	34.3	31.4	137.3	142.4	137.0	41.8	42.1	42.2	146.5	150.0	148.0	81.2	79.5	79.4	62
2.3	2.3	2.3	13.6	13.9	13.3	2.1	2.1	2.1	12.0	12.0	12.0	7.9	8.1	7.9	63

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P
1 WYOMING .....	200.7	202.4	196.4	30.1	28.9	27.6	13.5	16.3	14.2	8.2	8.2	8.0
2 PUERTO RICO .....	633.1	664.1	652.7	.7	.7	.7	20.9	27.6	27.6	138.2	148.0	145.1
3 Caguas .....	25.6	25.8	25.8	(*)	(*)	(*)	(*)	(*)	(*)	7.9	8.3	7.9
4 Mayaguez .....	36.3	37.7	36.5	(*)	(*)	(*)	(*)	(*)	(*)	13.4	14.2	13.4
5 Ponce .....	43.4	44.7	43.4	(*)	(*)	(*)	1.4	1.7	1.6	9.2	9.5	9.2
6 San Juan .....	327.1	343.1	336.2	(1)	(1)	(1)	15.1	18.9	18.0	30.6	32.8	31.9
7 VIRGIN ISLANDS .....	35.9	35.4	34.9	(2)	(2)	(2)	2.3	2.4	2.3	2.6	2.4	2.4



# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	
16.7	16.4	16.3	44.1	44.3	42.9	7.7	7.6	7.6	31.9	30.0	30.0	48.5	50.7	49.8	1
14.5	15.8	16.0	106.6	112.3	105.8	28.0	28.3	28.4	86.4	88.3	84.7	237.7	243.2	244.4	2
(*)	(*)	(*)	5.2	5.6	5.1	(*)	(*)	(*)	(*)	(*)	(*)	9.1	8.6	8.6	3
(*)	(*)	(*)	5.0	5.8	5.4	(*)	(*)	(*)	(*)	(*)	(*)	12.5	12.6	12.6	4
(*)	(*)	(*)	6.9	7.9	7.2	(*)	(*)	(*)	7.1	6.9	6.5	15.9	15.8	15.8	5
11.1	12.0	12.2	68.0	72.1	68.5	21.6	21.7	21.6	59.0	57.7	58.7	122.3	125.3	125.3	6
2.1	2.3	2.3	7.7	7.2	7.0	1.5	1.4	1.4	6.2	5.8	5.9	13.5	13.9	13.6	7

<sup>1</sup> Combined with services.  
<sup>2</sup> Combined with construction.  
<sup>3</sup> Area included in Chicago—Gary Standard Consolidated Statistical Area.  
<sup>4</sup> Subarea of Baltimore Standard Metropolitan Statistical Area.  
<sup>5</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.  
<sup>6</sup> Subarea of New York—Northeastern New Jersey.  
<sup>7</sup> Subarea of Rochester Standard Metropolitan Statistical Area.  
<sup>8</sup> Area included in New York and Nassau—Suffolk combined SMSA's.  
<sup>9</sup> Subarea of New York Standard Metropolitan Statistical Area.  
<sup>10</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.  
<sup>11</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.

<sup>12</sup> Total includes data for industry divisions not shown separately.  
<sup>13</sup> Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.  
 p = preliminary.  
 \*Not available.

NOTE: All State and area data have been adjusted to March 1983 benchmarks except Baltimore City, Maryland and Wisconsin. Baltimore City data are adjusted to March 1982 benchmarks and Wisconsin data have been adjusted to December 1982 benchmarks.

SOURCE: Cooperating State agencies listed on inside back cover.



# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
	<b>TOTAL PRIVATE</b> .....	\$280.35	\$273.34	\$289.68	\$288.75	\$289.22	\$8.01	\$7.90	\$8.16	\$8.25	\$8.24
-	<b>MINING</b> .....	480.25	476.43	497.64	503.14	498.51	11.30	11.21	11.44	11.54	11.46
10	<b>METAL MINING</b> .....	501.73	500.15	526.85	519.27	-	12.67	12.63	12.85	12.79	-
101	Iron ores .....	482.36	524.10	501.00	473.19	-	12.40	13.37	12.34	12.01	-
102	Copper ores .....	522.69	545.44	545.40	564.81	-	13.10	13.08	13.27	13.48	-
11, 12	<b>COAL MINING</b> .....	548.23	530.80	592.02	604.14	-	13.72	13.27	14.30	14.35	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	551.20	532.40	593.68	606.84	-	13.76	13.31	14.34	14.38	-
13	<b>OIL AND GAS EXTRACTION</b> .....	466.08	468.66	474.10	479.81	-	10.69	10.70	10.63	10.71	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	524.91	538.82	535.06	574.98	-	12.38	12.56	12.56	12.95	-
138	Oil and gas field services .....	439.68	439.79	449.46	440.47	-	9.97	9.95	9.90	9.81	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	403.30	384.02	415.15	407.23	-	9.25	9.10	9.50	9.65	-
142	Crushed and broken stone .....	383.67	353.64	391.17	368.11	-	8.70	8.38	8.85	8.97	-
-	<b>CONSTRUCTION</b> .....	441.86	440.96	441.97	437.42	440.22	11.91	11.95	12.01	12.05	11.93
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	389.06	388.02	385.89	379.84	-	10.63	10.66	10.66	10.61	-
152	Residential building construction .....	350.48	343.28	347.78	347.35	-	9.79	9.78	9.88	9.84	-
153	Operative builders .....	346.90	348.30	335.48	337.78	-	8.76	9.00	8.97	9.08	-
154	Nonresidential building construction .....	428.13	427.09	425.91	412.62	-	11.54	11.45	11.48	11.43	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	483.59	483.18	471.24	471.99	-	11.97	11.96	11.90	12.01	-
161	Highway and street construction .....	427.46	379.14	389.62	383.53	-	10.35	9.55	10.12	10.31	-
162	Heavy construction, except highway .....	506.00	512.78	500.80	500.40	-	12.65	12.63	12.52	12.51	-
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	451.41	447.32	458.11	452.27	-	12.47	12.53	12.69	12.74	-
171	Plumbing, heating, air conditioning .....	469.88	470.35	482.08	474.64	-	12.53	12.61	12.62	12.59	-
172	Painting, paper hanging, decorating .....	401.45	398.13	405.89	396.72	-	11.47	11.54	11.63	11.60	-
173	Electrical work .....	530.98	527.57	549.54	540.03	-	14.01	13.92	14.20	14.10	-
174	Masonry, stonework, and plastering .....	417.43	401.72	414.39	404.30	-	12.17	12.10	12.26	12.44	-
175	Carpentering and flooring .....	404.38	393.65	404.45	394.63	-	11.62	11.41	11.49	11.71	-
176	Roofing and sheet metal work .....	358.39	344.26	339.90	329.81	-	10.96	10.86	11.00	11.18	-
-	<b>MANUFACTURING</b> .....	354.48	341.43	373.27	368.45	369.96	8.84	8.71	9.06	9.09	9.09
24, 25, 32-39	<b>DURABLE GOODS</b> .....	382.58	367.62	404.46	398.96	399.92	9.40	9.26	9.63	9.66	9.66
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	317.96	307.64	331.25	326.67	327.92	8.07	7.97	8.24	8.27	8.26
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	311.60	300.29	310.44	308.90	312.05	7.79	7.68	7.80	7.86	7.90
241	Logging camps and logging contractors .....	403.46	396.60	374.99	398.59	-	10.24	9.99	10.19	10.38	-
242	Sawmills and planing mills .....	331.30	316.41	335.79	334.53	-	8.14	7.95	8.21	8.26	-
2421	Sawmills and planing mills, general .....	351.33	336.88	355.93	355.31	-	8.59	8.38	8.66	8.73	-
2426	Hardwood dimension and flooring .....	222.00	208.13	229.55	227.29	-	5.55	5.42	5.64	5.64	-
243	Millwork, plywood, and structural members .....	307.93	300.23	311.45	306.88	-	7.66	7.62	7.69	7.73	-
2431	Millwork .....	315.93	303.00	315.57	312.05	-	7.82	7.71	7.85	7.90	-
2434	Wood kitchen cabinets .....	273.74	265.94	283.61	280.19	-	6.93	6.98	7.02	7.04	-
2435	Hardwood veneer and plywood .....	244.61	234.21	256.05	250.88	-	6.10	5.99	6.23	6.21	-
2436	Softwood veneer and plywood .....	383.76	374.24	388.22	379.85	-	9.36	9.15	9.40	9.52	-
244	Wood containers .....	214.23	203.31	215.60	209.21	-	5.55	5.48	5.50	5.52	-
245	Wood buildings and mobile homes .....	263.84	247.60	256.19	236.19	-	6.80	6.71	6.85	6.71	-
2451	Mobile homes .....	267.74	247.01	256.04	237.22	-	6.83	6.64	6.92	6.72	-
249	Miscellaneous wood products .....	264.26	253.11	271.35	269.56	-	6.59	6.49	6.70	6.79	-
25	<b>FURNITURE AND FIXTURES</b> .....	260.83	243.38	277.57	264.32	265.67	6.62	6.49	6.77	6.76	6.76
251	Household furniture .....	237.51	221.26	251.69	238.85	-	6.09	5.98	6.23	6.22	-
2511	Wood household furniture .....	217.06	205.34	230.61	221.16	-	5.58	5.52	5.68	5.70	-
2512	Upholstered household furniture .....	250.37	231.40	268.80	253.05	-	6.52	6.41	6.72	6.73	-
2514	Metal household furniture .....	255.37	242.14	268.18	249.70	-	6.29	6.13	6.34	6.37	-
2515	Mattresses and bedsprings .....	270.05	249.25	277.36	259.18	-	6.96	6.81	7.13	6.93	-
252	Office furniture .....	290.56	269.04	319.49	310.38	-	7.21	7.08	7.43	7.39	-
253	Public building and related furniture .....	294.92	291.13	308.67	294.52	-	7.30	7.26	7.42	7.40	-
254	Partitions and fixtures .....	323.53	299.79	336.18	322.18	-	8.17	7.91	8.26	8.24	-
259	Miscellaneous furniture and fixtures .....	297.43	282.12	314.89	287.10	-	7.29	7.29	7.34	7.25	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
-	<b>TOTAL PRIVATE</b> .....	35.0	34.6	35.5	35.0	35.1	-	-	-	-	-
-	<b>MINING</b> .....	42.5	42.5	43.5	43.6	43.5	-	-	-	-	-
10	<b>METAL MINING</b> .....	39.6	39.6	41.0	40.6	-	-	-	-	-	-
101	Iron ores .....	38.9	39.2	40.6	39.4	-	-	-	-	-	-
102	Copper ores .....	39.9	41.7	41.1	41.9	-	-	-	-	-	-
11, 12	<b>COAL MINING</b> .....	40.0	40.0	41.4	42.1	-	-	-	-	-	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	40.1	40.0	41.4	42.2	-	-	-	-	-	-
13	<b>OIL AND GAS EXTRACTION</b> .....	43.6	43.8	44.6	44.8	-	-	-	-	-	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	42.4	42.9	42.6	44.4	-	-	-	-	-	-
138	Oil and gas field services .....	44.1	44.2	45.4	44.9	-	-	-	-	-	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	43.6	42.2	43.7	42.2	-	-	-	-	-	-
142	Crushed and broken stone .....	44.1	42.2	44.2	41.5	-	-	-	-	-	-
-	<b>CONSTRUCTION</b> .....	37.1	36.9	36.8	36.3	36.9	-	-	-	-	-
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	36.6	36.4	36.2	35.8	-	-	-	-	-	-
152	Residential building construction .....	35.8	35.1	35.2	35.3	-	-	-	-	-	-
153	Operative builders .....	39.6	38.7	37.4	37.2	-	-	-	-	-	-
154	Nonresidential building construction .....	37.1	37.3	37.1	36.1	-	-	-	-	-	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	40.4	40.4	39.6	39.3	-	-	-	-	-	-
161	Highway and street construction .....	41.3	39.7	38.5	37.2	-	-	-	-	-	-
162	Heavy construction, except highway .....	40.0	40.6	40.0	40.0	-	-	-	-	-	-
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	36.2	35.7	36.1	35.5	-	-	-	-	-	-
171	Plumbing, heating, air conditioning .....	37.5	37.3	38.2	37.7	-	-	-	-	-	-
172	Painting, paper hanging, decorating .....	35.0	34.5	34.9	34.2	-	-	-	-	-	-
173	Electrical work .....	37.9	37.9	38.7	38.3	-	-	-	-	-	-
174	Masonry, stonework, and plastering .....	34.3	33.2	33.8	32.5	-	-	-	-	-	-
175	Carpentering and flooring .....	34.8	34.5	35.2	33.7	-	-	-	-	-	-
176	Roofing and sheet metal work .....	32.7	31.7	30.9	29.5	-	-	-	-	-	-
-	<b>MANUFACTURING</b> .....	40.1	39.2	41.2	40.5	40.7	3.0	2.3	3.6	3.3	3.4
24, 25, 32-39	<b>DURABLE GOODS</b> .....	40.7	39.7	42.0	41.3	41.4	3.0	2.1	3.8	3.5	3.6
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	39.4	38.6	40.2	39.5	39.7	3.0	2.5	3.3	3.1	3.1
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	40.0	39.1	39.8	39.3	39.5	3.1	2.5	3.1	2.9	-
241	Logging camps and logging contractors .....	39.4	39.7	36.8	38.4	-	3.3	3.4	2.6	2.8	-
242	Sawmills and planing mills .....	40.7	39.8	40.9	40.5	-	3.6	3.1	3.8	3.8	-
2421	Sawmills and planing mills, general .....	40.9	40.2	41.1	40.7	-	3.8	3.3	3.9	4.0	-
2426	Hardwood dimension and flooring .....	40.0	38.4	40.7	40.3	-	3.1	2.1	3.6	3.2	-
243	Millwork, plywood, and structural members .....	40.2	39.4	40.5	39.7	-	3.1	2.2	3.3	2.8	-
2431	Millwork .....	40.4	39.3	40.2	39.5	-	2.5	1.3	2.5	2.1	-
2434	Wood kitchen cabinets .....	39.5	38.1	40.4	39.8	-	2.9	1.6	3.8	2.9	-
2435	Hardwood veneer and plywood .....	40.1	39.1	41.1	40.4	-	3.3	2.4	3.9	3.5	-
2436	Softwood veneer and plywood .....	41.0	40.9	41.3	39.9	-	4.0	3.8	3.9	3.9	-
244	Wood containers .....	38.6	37.1	39.2	37.9	-	2.0	1.3	2.3	2.0	-
245	Wood buildings and mobile homes .....	36.6	36.9	37.4	35.2	-	2.4	1.3	1.7	1.3	-
2451	Mobile homes .....	39.2	37.2	37.0	35.3	-	2.5	1.3	1.8	1.4	-
249	Miscellaneous wood products .....	40.1	39.0	40.5	39.7	-	2.5	1.9	2.7	2.7	-
25	<b>FURNITURE AND FIXTURES</b> .....	39.4	37.5	41.0	39.1	39.3	2.3	1.6	3.0	2.3	-
251	Household furniture .....	39.0	37.0	40.4	38.4	-	2.1	1.4	2.7	2.0	-
2511	Wood household furniture .....	38.9	37.2	40.6	38.8	-	2.2	1.7	2.8	2.2	-
2512	Upholstered household furniture .....	38.4	36.1	40.0	37.6	-	1.5	.7	2.3	1.5	-
2514	Metal household furniture .....	40.6	39.5	42.3	39.2	-	2.8	2.0	3.7	2.5	-
2515	Mattresses and bedsprings .....	38.6	36.6	36.9	37.4	-	2.3	1.5	2.3	1.1	-
252	Office furniture .....	40.3	38.0	43.0	42.0	-	2.7	2.0	3.9	3.5	-
253	Public building and related furniture .....	40.4	40.1	41.6	39.8	-	3.2	2.7	4.5	3.0	-
254	Partitions and fixtures .....	39.6	37.9	40.7	39.1	-	2.9	1.8	3.1	2.8	-
259	Miscellaneous furniture and fixtures .....	40.8	38.7	42.9	39.6	-	2.2	1.4	3.4	1.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	\$384.19	\$364.91	\$394.28	\$384.74	\$389.99	\$9.28	\$9.10	\$9.41	\$9.43	\$9.42
321	Flat glass	542.75	498.89	565.93	546.94	-	12.42	11.85	12.98	12.69	-
322	Glass and glassware, pressed or blown	407.00	390.57	421.04	416.15	-	10.00	9.74	10.17	10.25	-
3221	Glass containers	424.50	405.62	442.44	432.68	-	10.43	10.09	10.61	10.71	-
3229	Pressed and blown glass, nec	382.05	368.80	394.42	396.73	-	9.41	9.22	9.62	9.70	-
323	Products of purchased glass	334.54	343.71	356.58	342.36	-	8.24	8.55	8.39	8.33	-
324	Cement, hydraulic	549.73	515.30	566.53	571.55	-	13.12	12.63	13.33	13.48	-
325	Structural clay products	306.36	288.80	314.42	319.84	-	7.40	7.22	7.54	7.67	-
326	Pottery and related products	304.20	292.19	319.60	314.67	-	7.82	7.73	8.01	8.11	-
327	Concrete, gypsum, and plaster products	383.24	353.76	380.64	364.40	-	9.06	8.80	9.15	9.11	-
3271	Concrete block and brick	340.89	325.26	334.62	317.46	-	7.73	7.80	7.80	7.80	-
3272	Concrete products, nec	338.02	321.73	348.89	334.12	-	8.01	7.79	8.19	8.09	-
3273	Ready-mixed concrete	413.41	374.02	394.74	376.46	-	10.01	9.74	10.07	10.12	-
329	Misc. nonmetallic mineral products	381.14	365.49	401.82	391.70	-	9.14	8.98	9.28	9.26	-
3291	Abrasive products	359.98	345.35	387.18	365.44	-	8.78	8.81	8.86	8.87	-
3292	Asbestos products	397.49	391.62	416.82	424.39	-	9.18	9.15	9.56	9.58	-
33	<b>PRIMARY METAL INDUSTRIES</b>	458.87	450.84	478.97	474.55	480.90	11.33	11.56	11.35	11.38	11.45
331	Blast furnace and basic steel products	510.34	516.25	526.16	519.27	-	12.92	13.73	12.74	12.79	-
3312	Blast furnaces and steel mills	523.94	533.13	538.65	530.12	-	13.40	14.37	13.17	13.22	-
3317	Steel pipe and tubes	434.11	432.54	458.60	460.28	-	10.64	10.68	10.74	10.83	-
332	Iron and steel foundries	397.39	376.53	420.16	422.24	-	9.91	9.78	9.98	10.15	-
3321	Gray iron foundries	409.25	385.67	432.31	436.39	-	10.13	9.94	10.22	10.44	-
3322	Malleable iron foundries	426.26	388.21	446.45	444.70	-	10.63	10.27	10.81	10.82	-
3325	Steel foundries, nec	366.66	358.33	385.52	381.78	-	9.45	9.53	9.3d	9.45	-
333	Primary nonferrous metals	555.07	541.20	562.95	564.64	-	13.44	13.33	13.34	13.38	-
3334	Primary aluminum	578.69	564.98	581.44	580.46	-	14.08	14.16	13.91	13.92	-
335	Nonferrous rolling and drawing	454.95	432.64	482.42	475.87	-	10.73	10.40	11.09	10.99	-
3351	Copper rolling and drawing	407.81	373.89	441.64	440.67	-	9.44	8.86	9.88	9.97	-
3353	Aluminum sheet, plate, and foil	596.29	574.33	622.94	622.56	-	14.13	13.74	14.42	13.99	-
3357	Nonferrous wire drawing and insulating	421.00	397.85	454.83	446.16	-	10.00	9.61	10.48	10.40	-
336	Nonferrous foundries	364.49	347.65	389.91	387.60	-	8.89	8.74	9.11	9.12	-
3361	Aluminum foundries	376.40	357.20	407.55	410.13	-	9.14	8.93	9.50	9.45	-
34	<b>FABRICATED METAL PRODUCTS</b>	371.08	354.71	396.77	386.68	386.68	9.14	8.98	9.38	9.34	9.34
341	Metal cans and shipping containers	516.38	500.64	532.01	513.62	-	12.15	11.92	12.23	12.20	-
3411	Metal cans	543.14	519.96	561.98	542.25	-	12.72	12.38	12.86	12.88	-
342	Cutlery, hand tools, and hardware	358.35	338.77	381.71	380.88	-	8.87	8.62	9.11	9.20	-
3423, 5	Hand and edge tools, and hand saws and blades	327.13	314.28	343.58	345.14	-	8.24	8.10	8.38	8.48	-
3429	Hardware, nec	374.85	351.45	399.11	400.56	-	9.21	8.92	9.48	9.56	-
343	Plumbing and heating, except electric	324.39	310.34	347.78	334.11	-	8.13	8.04	8.36	8.27	-
3432	Plumbing fittings and brass goods	312.03	297.21	346.38	332.00	-	7.84	7.76	8.15	8.00	-
3433	Heating equipment, except electric	318.75	309.19	338.23	326.23	-	8.09	8.01	8.29	8.28	-
344	Fabricated structural metal products	351.20	343.39	369.77	352.00	-	8.78	8.76	8.91	8.80	-
3441	Fabricated structural metal	371.57	358.66	385.54	369.95	-	9.22	9.08	9.29	9.18	-
3442	Metal doors, sash, and trim	273.24	262.13	288.97	276.83	-	6.90	6.88	7.10	7.08	-
3443	Fabricated plate work (boiler shops)	402.79	397.98	435.16	409.70	-	9.97	9.90	10.12	9.92	-
3444	Sheet metal work	355.21	347.38	370.27	356.80	-	8.97	8.93	9.12	9.01	-
3446	Architectural metal work	358.97	350.27	363.80	354.40	-	8.82	8.67	8.83	8.86	-
345	Screw machine products, bolts, etc.	347.62	322.76	378.85	374.09	-	8.52	8.34	8.79	8.72	-
3451	Screw machine products	314.40	299.54	339.00	337.30	-	7.86	7.76	8.11	8.05	-
3452	Bolts, nuts, rivets, and washers	381.56	345.43	421.92	413.54	-	9.15	8.88	9.46	9.42	-
346	Metal forgings and stampings	441.84	409.64	484.22	475.68	-	10.52	10.19	10.98	10.91	-
3462	Iron and steel forgings	464.87	438.00	503.71	501.26	-	11.45	10.95	11.88	11.85	-
3465	Automotive stampings	546.66	506.75	606.77	592.39	-	12.34	11.98	12.91	12.85	-
3469	Metal stampings, nec	328.84	305.98	349.86	346.94	-	8.18	8.01	8.39	8.36	-
347	Metal services, nec	291.85	274.63	312.75	303.62	-	7.26	7.06	7.50	7.46	-
3471	Plating and polishing	285.60	273.53	306.69	298.41	-	7.14	6.96	7.39	7.35	-
3479	Metal coating and allied services	305.83	277.81	328.38	317.38	-	7.57	7.33	7.80	7.76	-
348	Ordinance and accessories, nec	390.05	382.01	417.63	411.93	-	9.56	9.34	9.92	9.95	-
3483	Ammunition, exc. for small arms, nec	368.92	366.27	387.71	378.92	-	9.02	8.70	9.32	9.31	-
349	Misc. fabricated metal products	341.60	327.93	364.00	355.37	-	8.54	8.43	8.75	8.71	-
3494	Valves and pipe fittings	359.33	341.76	392.18	381.60	-	9.12	8.97	9.36	9.33	-
3496	Misc. fabricated wire products	303.16	290.82	328.18	316.31	-	7.56	7.40	7.87	7.81	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	390.02	372.24	422.17	415.23	418.05	9.63	9.40	9.91	9.91	9.93
351	Engines and turbines	474.42	451.95	547.75	549.84	-	11.92	11.50	12.65	12.64	-
3511	Turbines and turbine generator sets	445.41	431.79	477.86	468.05	-	11.45	11.10	11.77	11.76	-
3519	Internal combustion engines, nec	488.03	462.94	575.42	579.26	-	12.14	11.72	12.96	12.93	-
352	Farm and garden machinery	413.43	401.49	422.87	424.73	-	10.31	10.19	10.39	10.41	-
3523	Farm machinery and equipment	433.88	420.72	443.50	447.99	-	10.82	10.76	10.87	10.90	-
353	Construction and related machinery	412.97	389.00	446.65	438.61	-	10.35	10.00	10.66	10.62	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	41.4	40.1	41.9	40.8	41.4	4.1	3.2	4.3	3.9	-
321	Flat glass	43.7	42.1	43.6	43.1	-	5.0	3.5	5.3	4.9	-
322	Glass and glassware, pressed or blown	40.7	40.1	41.4	40.6	-	4.0	3.6	4.1	4.0	-
3221	Glass containers	40.7	40.2	41.7	40.4	-	4.7	4.3	4.6	4.5	-
3229	Pressed and blown glass, nec	40.6	40.0	41.0	40.9	-	3.1	2.7	3.6	3.5	-
323	Products of purchased glass	40.6	40.2	42.5	41.1	-	3.2	2.5	4.3	4.1	-
324	Cement, hydraulic	41.9	40.8	42.5	42.4	-	3.0	2.3	3.0	3.4	-
325	Structural clay products	41.4	40.0	41.7	41.7	-	3.5	2.8	3.7	3.6	-
326	Pottery and related products	38.9	37.8	39.9	38.8	-	1.9	1.4	2.4	1.9	-
327	Concrete, gypsum, and plaster products	42.3	40.2	41.6	40.0	-	5.7	4.3	5.1	4.7	-
3271	Concrete block and brick	44.1	41.7	42.9	40.7	-	6.5	4.2	5.7	4.5	-
3272	Concrete products, nec	42.2	41.3	42.6	41.3	-	4.8	4.0	4.8	4.6	-
3273	Ready-mixed concrete	41.3	38.4	39.2	37.2	-	5.8	4.2	4.4	3.8	-
329	Misc. nonmetallic mineral products	41.7	40.7	43.3	42.3	-	3.3	2.2	4.1	3.9	-
3291	Abrasive products	41.0	39.2	43.7	41.2	-	2.6	1.5	3.6	2.8	-
3292	Asbestos products	43.3	42.8	43.6	44.3	-	3.6	2.1	4.4	4.4	-
33	<b>PRIMARY METAL INDUSTRIES</b>	40.5	39.0	42.2	41.7	42.0	3.0	2.0	3.9	4.0	-
331	Blast furnace and basic steel products	39.5	37.6	41.3	40.6	-	2.3	1.2	2.9	3.4	-
3312	Blast furnaces and steel mills	39.1	37.1	40.9	40.1	-	2.2	1.1	2.7	3.3	-
3317	Steel pipe and tubes	40.8	40.5	42.7	42.5	-	2.8	2.2	3.5	3.9	-
332	Iron and steel foundries	40.1	38.5	42.1	41.6	-	2.8	1.8	4.0	3.9	-
3321	Gray iron foundries	40.4	38.8	42.3	41.8	-	3.2	2.0	4.3	4.4	-
3322	Malleable iron foundries	40.1	37.8	41.3	41.1	-	2.7	1.4	3.3	3.5	-
3325	Steel foundries, nec	38.8	37.6	41.1	40.4	-	1.7	1.1	2.8	2.7	-
333	Primary nonferrous metals	41.3	40.6	42.2	42.2	-	3.1	2.6	3.2	3.4	-
3334	Primary aluminum	41.1	39.9	41.8	41.7	-	3.3	2.7	3.5	3.7	-
335	Nonferrous rolling and drawing	42.4	41.6	43.5	43.3	-	4.4	3.1	5.4	5.1	-
3351	Copper rolling and drawing	43.2	42.2	44.7	44.2	-	4.1	2.3	5.4	4.9	-
3353	Aluminum sheet, plate and foil	42.2	41.8	43.2	44.5	-	5.8	4.3	6.2	6.7	-
3357	Nonferrous wire drawing and insulating	42.1	41.4	43.4	42.9	-	4.1	2.8	5.4	4.8	-
336	Nonferrous foundries	41.0	39.8	42.8	42.5	-	3.4	2.6	4.4	4.2	-
3361	Aluminum foundries	41.4	40.0	42.9	43.4	-	3.6	2.6	4.7	4.8	-
34	<b>FABRICATED METAL PRODUCTS</b>	40.6	39.5	42.3	41.4	41.4	2.9	2.0	3.9	3.6	-
341	Metal cans and shipping containers	42.5	42.0	43.5	42.1	-	4.8	4.3	4.7	4.6	-
3411	Metal cans	42.7	42.0	43.7	42.1	-	5.0	4.4	4.7	4.6	-
342	Cutlery, hand tools, and hardware	40.4	39.3	41.9	41.4	-	2.5	1.4	3.6	3.6	-
3423, 5	Hand and edge tools, and hand saws and blades	39.7	38.8	41.0	40.7	-	1.8	1.3	2.5	2.5	-
3429	Hardware, nec	40.7	39.4	42.1	41.9	-	3.1	1.6	4.3	4.4	-
343	Plumbing and heating, except electric	39.9	38.6	41.6	40.4	-	2.1	1.3	2.9	2.4	-
3432	Plumbing fittings and brass goods	39.6	38.3	42.5	41.5	-	2.3	1.3	3.7	3.1	-
3433	Heating equipment, except electric	39.4	38.6	40.8	39.4	-	1.5	1.1	2.0	1.8	-
344	Fabricated structural metal products	40.0	39.2	41.5	40.0	-	2.6	1.9	3.4	2.6	-
3441	Fabricated structural metal	40.3	39.5	41.5	40.3	-	2.8	2.2	3.0	2.7	-
3442	Metal doors, sash, and trim	39.6	38.1	40.7	39.1	-	2.4	1.4	3.0	2.0	-
3443	Fabricated plate work (boiler shops)	40.4	40.2	43.0	41.3	-	2.6	2.3	4.2	3.0	-
3444	Sheet metal work	39.6	38.9	40.6	39.6	-	2.5	1.7	3.4	2.9	-
3446	Architectural metal work	40.7	40.4	41.2	40.0	-	2.3	2.8	2.5	2.2	-
345	Screw machine products, bolts, etc.	40.8	38.7	43.1	42.9	-	3.1	1.6	4.6	4.6	-
3451	Screw machine products	40.0	38.6	41.8	41.9	-	2.5	1.5	4.0	4.2	-
3452	Bolts, nuts, rivets, and washers	41.7	38.9	44.6	43.9	-	3.6	1.8	5.2	5.0	-
346	Metal forgings and stampings	42.0	40.2	44.1	43.6	-	4.0	2.4	5.5	5.3	-
3462	Iron and steel forgings	40.6	40.0	42.4	42.3	-	3.1	2.1	4.7	4.5	-
3465	Automotive stampings	44.3	42.3	47.0	46.1	-	5.5	3.4	7.4	7.0	-
3469	Metal stampings, nec	40.2	38.2	41.7	41.5	-	2.8	1.7	3.8	3.9	-
347	Metal services, nec	40.2	38.9	41.7	40.7	-	3.1	2.1	4.0	3.6	-
3471	Plating and polishing	40.0	39.3	41.5	40.6	-	3.0	2.2	3.7	3.4	-
3479	Metal coating and allied services	40.4	37.9	42.1	40.9	-	3.5	1.9	4.8	4.0	-
348	Ordinance and accessories, nec	40.8	40.9	42.1	41.4	-	2.3	2.2	3.2	3.0	-
3483	Ammunition, exc. for small arms, nec	40.9	42.1	41.6	40.7	-	1.6	2.0	2.0	2.0	-
349	Misc. fabricated metal products	40.0	38.9	41.6	40.8	-	2.2	1.3	3.2	2.9	-
3494	Valves and pipe fittings	39.4	38.1	41.9	40.9	-	2.0	1.1	3.4	3.0	-
3496	Misc. fabricated wire products	40.1	39.3	41.7	40.5	-	2.3	1.3	3.3	3.0	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	40.5	39.6	42.6	41.9	42.1	2.7	2.0	4.1	3.7	-
351	Engines and turbines	39.8	39.3	43.3	43.5	-	2.7	1.5	6.1	5.7	-
3511	Turbines and turbine generator sets	38.9	38.9	40.6	39.8	-	2.8	2.1	3.7	3.3	-
3519	Internal combustion engines, nec	40.2	39.5	44.4	44.8	-	2.6	1.2	7.0	6.6	-
352	Farm and garden machinery	40.1	39.4	40.7	40.8	-	2.2	1.8	2.5	3.0	-
3523	Farm machinery and equipment	40.1	39.1	40.8	41.1	-	2.3	1.7	2.5	3.0	-
353	Construction and related machinery	39.9	38.9	41.9	41.3	-	2.1	1.7	3.5	2.8	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings					
		Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	
	<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>											
3531	Construction machinery .....	\$448.84	\$403.75	\$484.04	\$473.47	-	\$11.11	\$10.17	\$11.58	\$11.52	-	
3532	Mining machinery .....	424.79	404.64	457.85	450.46	-	10.92	10.51	11.14	10.96	-	
3533	Oil field machinery .....	420.55	412.91	451.92	454.26	-	10.54	10.48	10.76	10.79	-	
3535	Conveyers and conveying equipment .....	352.74	330.22	382.55	356.51	-	8.93	8.69	9.13	8.98	-	
3537	Industrial trucks and tractors .....	362.65	318.79	408.96	384.87	-	9.28	8.98	9.60	9.41	-	
354	Metalworking machinery .....	399.27	389.60	433.30	430.14	-	9.81	9.74	10.03	10.05	-	
3541	Machine tools, metal cutting types .....	388.05	377.11	426.12	420.09	-	9.95	9.95	10.05	10.05	-	
3542	Machine tools, metal forming types .....	403.37	392.03	439.60	448.16	-	10.45	10.13	10.67	10.62	-	
3544	Special dies, tools, jigs, and fixtures .....	435.97	427.85	468.85	468.46	-	10.43	10.41	10.68	10.72	-	
3545	Machine tool accessories .....	361.09	343.30	400.15	391.19	-	8.96	8.78	9.22	9.27	-	
3546	Power driven hand tools .....	309.20	304.62	326.68	318.20	-	7.73	7.54	7.91	7.78	-	
355	Special industry machinery .....	380.42	360.38	410.88	397.70	-	9.37	9.17	9.60	9.56	-	
3551	Food products machinery .....	396.26	374.62	427.55	418.00	-	9.76	9.46	10.06	10.00	-	
3552	Textile machinery .....	297.01	273.67	325.41	314.75	-	7.37	7.24	7.55	7.53	-	
3555	Printing trades machinery .....	393.41	370.93	418.61	401.44	-	9.69	9.56	9.69	9.65	-	
356	General industrial machinery .....	385.16	368.87	415.59	405.72	-	9.51	9.41	9.71	9.66	-	
3561	Pumps and pumping equipment .....	399.59	385.53	431.63	425.34	-	9.94	9.86	10.18	10.20	-	
3562	Ball and roller bearings .....	394.06	369.00	427.24	425.92	-	9.36	9.00	9.71	9.68	-	
3563	Air and gas compressors .....	402.76	411.44	427.23	390.25	-	10.12	10.39	10.10	9.93	-	
3564	Blowers and fans .....	352.22	340.56	369.64	352.76	-	8.74	8.71	8.78	8.71	-	
3566	Speed changers, drives, and gears .....	391.00	353.67	436.35	424.13	-	10.00	9.77	10.34	10.22	-	
3568	Power transmission equipment, nec .....	375.96	345.54	406.56	408.66	-	9.47	9.19	9.68	9.80	-	
357	Office and computing machines .....	354.41	335.79	381.46	375.28	-	8.54	8.21	8.83	8.83	-	
3573	Electronic computing equipment .....	354.45	333.74	380.62	376.66	-	8.50	8.14	8.77	8.78	-	
358	Refrigeration and service machinery .....	373.41	350.46	404.81	397.99	-	9.22	8.85	9.57	9.66	-	
3585	Refrigeration and heating equipment .....	388.42	362.98	417.50	416.33	-	9.52	9.12	9.87	9.96	-	
359	Misc. machinery, except electrical .....	381.10	362.60	411.03	400.61	-	9.48	9.25	9.74	9.70	-	
3592	Carburetors, pistons, rings, valves .....	446.35	402.73	497.37	481.64	-	10.86	10.30	11.54	11.55	-	
3599	Machinery, except electrical, nec .....	370.00	355.94	396.06	387.81	-	9.25	9.08	9.43	9.39	-	
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b> .....	<b>351.14</b>	<b>338.64</b>	<b>370.35</b>	<b>365.79</b>	<b>\$364.97</b>	<b>8.67</b>	<b>8.53</b>	<b>8.86</b>	<b>8.90</b>	<b>\$8.88</b>	
361	Electric distributing equipment .....	334.32	324.04	359.90	346.23	-	8.40	8.33	8.61	8.57	-	
3612	Transformers .....	337.74	319.76	376.71	353.87	-	8.36	8.22	8.70	8.61	-	
3613	Switchgear and switchboard apparatus .....	331.69	326.70	347.17	340.35	-	8.44	8.42	8.53	8.53	-	
362	Electrical industrial apparatus .....	351.68	333.13	379.05	370.72	-	8.77	8.52	9.09	9.02	-	
3621	Motors and generators .....	359.98	342.05	381.85	377.64	-	8.78	8.53	9.07	8.97	-	
3622	Industrial controls .....	336.41	316.68	372.19	350.37	-	8.56	8.29	8.99	8.87	-	
363	Household appliances .....	343.20	328.32	360.50	358.83	-	8.58	8.44	8.75	8.86	-	
3632	Household refrigerators and freezers .....	400.57	377.28	431.54	425.94	-	9.77	9.60	10.13	10.19	-	
3633	Household laundry equipment .....	403.20	394.79	412.29	416.93	-	10.08	10.02	10.13	10.32	-	
3634	Electric housewares and fans .....	262.68	253.44	270.80	261.80	-	6.65	6.60	6.77	6.80	-	
364	Electric lighting and wiring equipment .....	330.48	321.58	348.19	339.36	-	8.10	7.96	8.33	8.40	-	
3641	Electric lamps .....	388.50	391.78	402.83	367.29	-	9.25	9.24	9.39	9.54	-	
3643	Current-carrying wiring devices .....	307.63	301.92	326.40	322.92	-	7.54	7.40	7.79	7.80	-	
3644	Noncurrent-carrying wiring devices .....	333.60	319.93	350.14	331.24	-	8.34	8.12	8.54	8.45	-	
3645	Residential lighting fixtures .....	251.65	233.70	264.92	255.57	-	6.26	6.15	6.43	6.47	-	
365	Radio and TV receiving equipment .....	331.23	309.64	360.22	366.61	-	8.26	7.96	8.68	8.92	-	
3651	Radio and TV receiving sets .....	343.71	321.15	376.80	386.13	-	8.55	8.32	8.95	9.15	-	
366	Communication equipment .....	420.24	406.02	441.00	434.06	-	10.30	10.05	10.50	10.51	-	
3661	Telephone and telegraph apparatus .....	421.07	409.37	446.47	439.74	-	10.27	10.26	10.53	10.52	-	
3662	Radio and TV communication equipment .....	419.62	403.56	438.06	431.55	-	10.31	9.94	10.48	10.50	-	
367	Electronic components and accessories .....	307.34	297.75	319.49	316.47	-	7.57	7.50	7.68	7.70	-	
3671-3	Electronic tubes .....	395.65	386.63	416.22	408.51	-	9.65	9.43	9.91	9.82	-	
3674	Semiconductors and related devices .....	353.01	334.32	371.55	373.09	-	8.61	8.40	8.91	8.99	-	
3679	Electronic components, nec .....	285.31	280.10	296.36	289.46	-	7.01	7.02	7.09	7.06	-	
369	Misc. electrical equipment and supplies .....	385.11	363.26	408.31	416.08	-	9.37	9.15	9.63	9.79	-	
3691	Storage batteries .....	406.48	368.25	433.67	482.05	-	9.89	9.64	10.18	10.76	-	
3694	Engine electrical equipment .....	409.03	381.74	433.14	427.85	-	9.88	9.64	10.12	10.02	-	
37	<b>TRANSPORTATION EQUIPMENT</b> .....	<b>431.73</b>	<b>468.54</b>	<b>522.20</b>	<b>516.60</b>	<b>517.02</b>	<b>11.68</b>	<b>11.40</b>	<b>12.06</b>	<b>12.07</b>	<b>12.08</b>	
371	Motor vehicles and equipment .....	525.66	486.45	557.05	555.52	-	12.14	11.75	12.49	12.54	-	
3711	Motor vehicles and car bodies .....	579.82	538.48	610.13	609.02	-	13.36	13.07	13.68	13.81	-	
3713	Truck and bus bodies .....	358.58	328.25	383.51	387.59	-	8.92	8.31	9.54	9.57	-	
3714	Motor vehicle parts and accessories .....	505.61	466.62	543.60	543.76	-	11.57	11.11	12.00	12.03	-	
3715	Truck trailers .....	349.57	321.36	379.18	368.40	-	8.61	8.24	8.88	8.92	-	
372	Aircraft and parts .....	487.81	476.42	521.10	507.91	-	11.84	11.62	12.29	12.18	-	
3721	Aircraft .....	-	505.51	-	-	-	-	12.39	-	-	-	
3724	Aircraft engines and engine parts .....	476.01	456.60	522.16	502.11	-	11.61	11.33	12.20	12.07	-	
3728	Aircraft equipment, nec .....	453.65	443.94	483.48	470.73	-	10.75	10.52	11.14	11.05	-	
373	Ship and boat building and repairing .....	399.60	412.08	424.13	411.77	-	9.99	10.10	10.37	10.32	-	
3731	Shipbuilding and repairing .....	430.14	440.08	459.50	-	-	10.70	10.63	11.18	-	-	
3732	Boat building and repairing .....	301.78	299.14	311.58	306.03	-	7.64	7.79	7.77	7.67	-	
374	Railroad equipment .....	460.17	446.50	466.10	486.25	-	11.86	11.75	11.86	12.31	-	

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>											
3531	Construction machinery	40.4	39.7	41.8	41.1	-	2.0	1.9	2.8	2.0	-
3532	Mining machinery	38.9	38.5	41.1	41.1	-	1.4	1.2	2.5	2.0	-
3533	Oil field machinery	39.9	39.4	42.0	42.1	-	2.4	2.0	4.3	3.9	-
3535	Conveyers and conveying equipment	39.5	38.0	41.9	39.7	-	2.2	1.1	3.6	2.5	-
3537	Industrial trucks and tractors	39.1	35.5	42.6	40.9	-	2.4	1.1	4.2	3.2	-
354	Metalworking machinery	40.7	40.0	43.2	42.8	-	3.3	2.6	5.0	4.6	-
3541	Machine tools, metal cutting types	39.0	37.9	42.4	41.8	-	1.8	1.3	3.5	3.0	-
3542	Machine tools, metal forming types	38.6	38.7	41.2	42.2	-	2.7	1.6	4.9	4.3	-
3544	Special dies, tools, jigs, and fixtures	41.8	41.1	43.9	43.7	-	4.3	3.8	5.7	5.6	-
3545	Machine tool accessories	40.3	39.1	43.4	42.2	-	2.7	1.5	5.1	4.1	-
3546	Power driven hand tools	40.0	40.4	41.3	40.9	-	2.6	2.2	3.1	2.7	-
355	Special industry machinery	40.6	39.3	42.8	41.6	-	2.7	2.0	3.9	3.1	-
3551	Food products machinery	40.6	39.6	42.5	41.8	-	2.4	2.4	3.3	2.6	-
3552	Textile machinery	40.3	37.8	43.1	41.8	-	2.2	1.4	3.6	3.0	-
3555	Printing trades machinery	40.6	38.8	43.2	41.6	-	3.0	2.0	4.1	2.9	-
356	General industrial machinery	40.5	39.2	42.8	42.0	-	2.5	1.5	4.1	3.6	-
3561	Pumps and pumping equipment	40.2	39.1	42.4	41.7	-	2.2	1.5	3.7	3.1	-
3562	Ball and roller bearings	42.1	41.0	44.0	44.0	-	3.4	2.1	5.1	4.7	-
3563	Air and gas compressors	39.8	39.6	42.3	39.3	-	2.0	1.3	3.2	2.2	-
3564	Blowers and fans	40.3	39.1	42.1	40.5	-	2.2	1.1	3.3	2.8	-
3566	Speed changers, drives, and gears	39.1	36.2	42.2	41.5	-	2.3	1.7	5.0	3.9	-
3568	Power transmission equipment, nec	39.7	37.6	42.0	41.7	-	2.5	1.8	3.7	4.4	-
357	Office and computing machines	41.5	40.9	43.2	42.5	-	2.8	2.2	3.9	3.5	-
3573	Electronic computing equipment	41.7	41.0	43.4	42.9	-	3.0	2.5	4.0	3.7	-
358	Refrigeration and service machinery	40.5	39.6	42.3	41.2	-	2.5	1.4	3.8	3.4	-
3585	Refrigeration and heating equipment	40.8	39.8	42.3	41.8	-	2.7	1.4	4.0	3.8	-
359	Misc. machinery, except electrical	40.2	39.2	42.2	41.3	-	2.8	2.2	4.1	3.7	-
3592	Carburetors, pistons, rings, valves	41.1	39.1	43.1	41.7	-	3.2	1.9	4.3	3.7	-
3599	Machinery, except electrical, nec	40.0	39.2	42.0	41.3	-	2.8	2.2	4.0	3.7	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b>	40.5	39.7	41.8	41.1	41.1	2.6	1.8	3.5	3.1	-
361	Electric distributing equipment	39.8	38.9	41.8	40.4	-	2.1	1.4	3.4	2.8	-
3612	Transformers	40.4	38.9	43.3	41.1	-	2.4	1.4	3.8	3.3	-
3613	Switchgear and switchboard apparatus	39.3	38.8	40.7	39.9	-	2.0	1.4	3.0	2.4	-
362	Electrical industrial apparatus	40.1	39.1	41.7	41.1	-	2.5	1.3	3.8	2.9	-
3621	Motors and generators	41.0	40.1	42.1	42.1	-	2.9	1.6	4.3	3.3	-
3622	Industrial controls	39.3	38.2	41.4	39.5	-	2.0	1.0	3.2	2.0	-
363	Household appliances	40.0	38.9	41.2	40.5	-	2.2	1.4	2.9	2.7	-
3632	Household refrigerators and freezers	41.0	39.3	42.6	41.8	-	2.2	1.8	2.5	2.8	-
3633	Household laundry equipment	40.0	39.4	40.7	40.4	-	1.6	1.3	1.6	1.5	-
3634	Electric housewares and fans	39.5	38.4	40.0	38.5	-	2.2	1.4	3.1	2.7	-
364	Electric lighting and wiring equipment	40.8	40.4	41.8	40.4	-	2.8	2.0	3.8	3.4	-
3641	Electric lamps	42.0	42.4	42.9	38.5	-	2.6	2.3	3.7	2.6	-
3643	Current-carrying wiring devices	40.8	40.8	41.9	41.4	-	3.0	2.2	4.4	3.7	-
3644	Noncurrent-carrying wiring devices	40.0	39.4	41.0	39.2	-	2.0	1.4	2.5	2.2	-
3645	Residential lighting fixtures	40.2	38.0	41.2	39.5	-	2.1	1.3	3.1	2.3	-
365	Radio and TV receiving equipment	40.1	38.9	41.5	41.1	-	2.5	1.5	3.1	3.2	-
3651	Radio and TV receiving sets	40.2	38.6	42.1	42.2	-	2.6	1.6	3.5	3.7	-
366	Communication equipment	40.8	40.4	42.0	41.3	-	2.4	1.9	3.1	2.7	-
3661	Telephone and telegraph apparatus	41.0	39.9	42.4	41.8	-	2.6	1.7	3.6	3.4	-
3662	Radio and TV communication equipment	40.7	40.6	41.8	41.1	-	2.3	2.0	2.8	2.3	-
367	Electronic components and accessories	40.6	39.7	41.6	41.1	-	2.8	2.1	3.6	3.3	-
3671-3	Electronic tubes	41.0	41.0	42.0	41.6	-	2.1	1.7	2.5	1.9	-
3674	Semiconductors and related devices	41.0	39.8	41.7	41.5	-	3.3	2.7	3.8	3.9	-
3679	Electronic components, nec	40.7	39.9	41.8	41.0	-	2.9	2.0	3.8	3.4	-
369	Misc. electrical equipment and supplies	41.1	39.7	42.4	42.5	-	3.0	1.8	4.2	4.3	-
3691	Storage batteries	41.1	38.2	42.6	44.8	-	2.8	1.8	4.2	5.8	-
3694	Engine electrical equipment	41.4	39.6	42.8	42.7	-	3.5	1.6	4.5	4.2	-
37	<b>TRANSPORTATION EQUIPMENT</b>	42.1	41.1	43.3	42.8	42.8	3.9	2.7	4.8	4.7	-
371	Motor vehicles and equipment	43.5	41.4	44.6	44.3	-	4.8	2.8	5.7	6.1	-
3711	Motor vehicles and car bodies	43.4	41.2	44.6	44.1	-	5.1	3.1	5.9	6.5	-
3713	Truck and bus bodies	40.2	39.5	40.2	40.5	-	2.3	1.5	2.5	2.7	-
3714	Motor vehicle parts and accessories	43.7	42.0	45.3	45.2	-	4.9	2.8	6.0	6.4	-
3715	Truck trailers	40.6	39.0	42.7	41.3	-	2.8	1.0	4.4	3.5	-
372	Aircraft and parts	41.2	41.0	42.4	41.7	-	3.1	2.5	4.2	3.2	-
3721	Aircraft	-	40.8	-	-	-	-	2.2	-	-	-
3724	Aircraft engines and engine parts	41.0	40.3	42.8	41.6	-	3.7	2.6	5.6	4.3	-
3728	Aircraft equipment, nec	42.2	42.2	43.4	42.6	-	3.6	3.1	4.8	3.7	-
373	Ship and boat building and repairing	40.0	40.8	40.9	39.9	-	2.7	2.8	3.0	2.8	-
3731	Ship building and repairing	40.2	41.4	41.1	-	-	3.0	3.1	3.3	-	-
3732	Boat building and repairing	39.5	38.4	40.1	39.9	-	2.0	1.4	2.1	2.3	-
374	Railroad equipment	38.8	38.0	39.3	39.5	-	1.6	1.2	1.3	1.3	-

See footnotes at end of table.



# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
<b>TRANSPORTATION EQUIPMENT—Continued</b>											
376	Guided missiles, space vehicles, parts	\$481.48	\$472.99	\$506.32	\$493.24	-	\$11.63	\$11.37	\$11.83	\$11.80	-
3761	Guided missiles and space vehicles	494.56	487.39	522.97	502.44	-	11.86	11.66	12.05	12.02	-
379	Miscellaneous transportation equipment	393.41	380.62	408.80	408.83	-	9.87	9.99	10.22	10.17	-
3792	Travel trailers and campers	329.83	318.72	331.51	340.08	-	8.35	8.30	8.77	8.72	-
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	345.02	337.64	360.18	357.93	\$354.55	8.54	8.42	8.70	8.73	\$8.69
381	Engineering and scientific instruments	369.08	361.27	389.00	386.34	-	8.98	8.79	9.24	9.40	-
382	Measuring and controlling devices	342.50	336.44	358.90	356.29	-	8.52	8.39	8.69	8.69	-
3822	Environmental controls	316.01	303.03	338.24	332.52	-	7.92	7.77	8.17	8.17	-
3823	Process control instruments	338.30	332.73	365.71	348.96	-	8.50	8.36	8.77	8.79	-
3825	Instruments to measure electricity	362.88	366.27	369.33	381.91	-	8.96	8.89	9.03	9.05	-
383	Optical instruments and lenses	394.49	377.45	418.95	411.63	-	9.21	9.03	9.50	9.64	-
384	Medical instruments and supplies	295.60	288.62	313.18	310.13	-	7.39	7.27	7.62	7.62	-
3841	Surgical and medical instruments	297.88	292.98	312.12	313.59	-	7.41	7.27	7.65	7.63	-
3842	Surgical appliances and supplies	294.46	287.23	314.29	307.04	-	7.38	7.29	7.61	7.60	-
385	Ophthalmic goods	252.16	242.65	255.82	253.84	-	6.40	6.27	6.46	6.41	-
386	Photographic equipment and supplies	458.68	448.39	473.18	475.38	-	11.16	10.99	11.32	11.40	-
387	Watches, clocks, and watchcases	250.04	236.98	256.40	253.10	-	6.33	6.22	6.50	6.54	-
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>	266.66	260.06	279.50	275.66	280.50	6.82	6.72	6.97	7.05	7.03
391	Jewelry, silverware, and plated ware	277.37	262.63	294.67	279.73	-	7.28	7.06	7.46	7.54	-
3911	Jewelry, precious metal	268.91	255.50	289.03	270.00	-	7.19	7.00	7.43	7.50	-
393	Musical instruments	263.34	267.07	263.61	262.19	-	6.65	6.66	6.64	6.74	-
394	Toys and sporting goods	248.46	244.92	256.94	251.62	-	6.29	6.28	6.36	6.37	-
3942, 4	Dolls, games, toys, and children's vehicles	232.44	230.95	236.81	226.26	-	5.96	6.03	5.98	5.97	-
3949	Sporting and athletic goods, nec	264.80	255.17	275.63	273.62	-	6.62	6.46	6.69	6.69	-
395	Pens, pencils, office and art supplies	282.20	273.24	296.33	297.84	-	7.02	6.90	7.21	7.30	-
396	Costume jewelry and notions	211.44	215.84	218.04	212.18	-	5.73	5.68	5.83	5.96	-
3961	Costume jewelry	183.23	192.19	189.16	178.28	-	5.25	5.28	5.24	5.37	-
399	Miscellaneous manufactures	293.78	281.19	312.89	311.52	-	7.40	7.21	7.65	7.73	-
3993	Signs and advertising displays	319.20	299.92	344.45	336.59	-	8.00	7.77	8.28	8.27	-
<b>NONDURABLE GOODS</b>											
20	<b>FOOD AND KINDRED PRODUCTS</b>	322.72	315.51	334.03	330.17	330.51	8.17	8.09	8.33	8.38	8.41
201	Meat products	290.08	294.45	288.17	281.44	-	7.40	7.55	7.37	7.31	-
2011	Meat packing plants	354.35	369.82	339.06	336.17	-	8.58	8.89	8.29	8.28	-
2013	Sausages and other prepared meats	362.40	354.99	372.28	342.27	-	9.06	9.01	8.89	8.89	-
2016	Poultry dressing plants	195.78	188.44	198.01	200.39	-	5.32	5.22	5.47	5.49	-
202	Dairy products	350.17	336.10	356.59	354.38	-	8.52	8.34	8.74	8.75	-
2022	Cheese, natural and processed	317.52	306.87	322.69	317.29	-	8.10	7.95	8.19	8.22	-
2026	Fluid milk	366.63	352.70	376.74	371.55	-	8.75	8.54	8.97	8.91	-
203	Preserved fruits and vegetables	286.69	283.24	297.92	299.90	-	7.37	7.30	7.60	7.67	-
2032	Canned specialties	356.01	328.25	381.84	372.44	-	8.62	8.31	8.88	8.91	-
2033	Canned fruits and vegetables	289.73	296.74	298.74	316.80	-	7.41	7.57	7.66	8.00	-
2037	Frozen fruits and vegetables	269.66	265.16	287.03	273.39	-	6.95	6.73	7.23	7.01	-
204	Grain mill products	408.93	394.55	436.59	436.48	-	9.51	9.24	9.90	9.92	-
2041	Flour and other grain mill products	449.06	430.46	464.31	450.66	-	9.72	9.44	10.16	10.15	-
2048	*Prepared feeds, nec	322.27	323.64	338.36	335.60	-	7.46	7.44	7.69	7.61	-
205	Bakery products	339.98	319.68	361.38	350.52	-	8.90	8.64	9.08	9.20	-
2051	Bread, cake, and related products	338.69	318.19	356.18	339.47	-	8.96	8.67	9.04	9.15	-
2052	Cookies and crackers	344.66	321.96	372.71	379.85	-	8.77	8.54	9.18	9.31	-
206	Sugar and confectionery products	316.81	307.31	318.35	317.60	-	7.94	7.78	7.88	7.96	-
2061, 3	Cane and beet sugar	394.66	381.87	395.76	411.89	-	9.33	8.86	9.14	9.34	-
2065	Confectionery products	265.95	251.10	270.68	263.42	-	6.89	6.75	6.87	6.86	-
207	Fats and oils	378.78	362.94	399.62	398.22	-	8.85	8.48	8.92	9.03	-
208	Beverages	416.47	389.61	435.49	430.80	-	10.36	9.99	10.70	10.77	-
2082	Malt beverages	588.27	539.57	620.92	635.21	-	13.94	13.25	14.44	14.67	-
2086	Bottled and canned soft drinks	308.50	285.75	316.74	310.34	-	7.83	7.50	8.08	8.04	-
209	Misc. foods and kindred products	270.44	259.55	288.67	279.36	-	7.27	7.17	7.44	7.53	-
21	<b>TOBACCO MANUFACTURES</b>	385.97	360.26	384.80	396.75	387.00	10.32	9.87	10.18	10.58	10.78
211	Cigarettes	463.75	443.31	465.09	477.60	-	12.50	12.28	12.57	12.77	-
22	<b>TEXTILE MILL PRODUCTS</b>	249.67	237.12	258.71	257.28	258.96	6.18	6.08	6.31	6.40	6.41
221	Weaving mills, cotton	262.11	252.89	265.77	267.33	-	6.44	6.37	6.53	6.70	-
222	Weaving mills, synthetics	269.53	257.36	278.88	282.36	-	6.59	6.45	6.72	6.87	-
223	Weaving and finishing mills, wool	265.20	250.90	280.93	284.43	-	6.50	6.32	6.61	6.74	-
224	Narrow fabric mills	234.40	224.01	249.78	243.21	-	5.86	5.70	5.99	6.05	-
225	Knitting mills	220.95	211.69	226.58	223.67	-	5.68	5.63	5.78	5.84	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
<b>TRANSPORTATION EQUIPMENT—Continued</b>											
376	Guided missiles, space vehicles, parts .....	41.4	41.6	42.8	41.8	-	3.3	2.9	4.0	3.3	-
3761	Guided missiles and space vehicles .....	41.7	41.8	43.4	41.8	-	3.5	3.1	4.2	3.4	-
379	Miscellaneous transportation equipment .....	39.9	38.1	40.0	40.2	-	3.1	3.4	3.1	3.2	-
3792	Travel trailers and campers .....	39.5	38.4	37.8	39.0	-	2.7	1.6	2.0	2.2	-
<b>INSTRUMENTS AND RELATED PRODUCTS</b>											
38	Engineering and scientific instruments .....	40.4	40.1	41.4	41.0	40.8	2.0	1.5	2.7	2.4	-
381	Measuring and controlling devices .....	41.1	41.1	42.1	41.1	-	2.4	2.2	3.0	2.8	-
382	Environmental controls .....	40.2	40.1	41.3	41.0	-	1.7	1.2	2.4	2.1	-
3822	Process control instruments .....	39.9	39.0	41.4	40.7	-	2.2	1.8	2.8	2.8	-
3823	Instruments to measure electricity .....	39.8	39.8	41.7	39.7	-	1.3	1.0	2.3	1.4	-
3825	Optical instruments and lenses .....	40.5	41.2	40.9	42.2	-	1.4	1.1	2.0	2.0	-
383	Medical instruments and supplies .....	42.8	41.8	44.1	42.7	-	2.7	2.0	3.4	2.8	-
384	Surgical and medical instruments .....	40.0	39.7	41.1	40.7	-	2.2	1.7	3.0	2.7	-
3841	Surgical appliances and supplies .....	40.2	40.3	40.8	41.1	-	2.2	1.9	2.8	2.9	-
3842	Ophthalmic goods .....	39.9	39.4	41.3	40.4	-	2.3	1.6	3.2	2.6	-
385	Photographic equipment and supplies .....	39.4	38.7	39.6	39.6	-	1.6	.9	1.6	1.4	-
386	Watches, clocks, and watchcases .....	41.1	40.8	41.8	41.7	-	1.9	1.3	2.6	2.4	-
387	.....	39.5	38.1	39.4	38.7	-	2.8	3.1	3.2	2.4	-
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>											
39	Jewelry, silverware, and plated ware .....	39.1	38.7	40.1	39.1	39.9	2.0	1.6	2.5	2.2	-
391	Jewelry, precious metal .....	38.1	37.2	39.5	37.1	-	1.7	1.4	2.5	1.4	-
3911	Musical instruments .....	37.4	36.5	38.9	36.0	-	1.7	1.3	2.6	1.4	-
393	Toys and sporting goods .....	39.6	40.1	39.7	38.9	-	1.4	1.1	1.7	1.2	-
394	Dolls, games, toys, and children's vehicles .....	39.5	39.0	40.4	39.5	-	2.0	1.6	2.5	2.4	-
3942, 4	Sporting and athletic goods, nec .....	39.0	38.3	39.6	37.9	-	1.8	1.3	1.9	1.7	-
3949	Pens, pencils, office and art supplies .....	40.0	39.5	41.2	40.9	-	2.2	1.8	3.1	3.1	-
395	Costume jewelry and notions .....	40.2	39.6	41.1	40.8	-	2.1	1.7	2.7	2.4	-
396	.....	36.9	38.0	37.4	35.6	-	2.1	2.0	2.4	1.8	-
3961	Miscellaneous manufactures .....	34.9	36.4	36.1	33.2	-	2.1	2.5	2.2	1.6	-
399	Signs and advertising displays .....	39.7	39.0	40.9	40.3	-	2.1	1.7	2.6	2.4	-
3993	.....	39.9	38.6	41.6	40.7	-	2.4	1.9	3.2	3.0	-
<b>NONDURABLE GOODS</b>											
<b>FOOD AND KINDRED PRODUCTS</b>											
20	Meat products .....	39.5	39.0	40.1	39.4	39.3	3.6	3.2	3.6	3.5	-
201	Meat packing plants .....	39.2	39.0	39.1	38.5	-	3.5	3.2	3.6	3.1	-
2011	Sausages and other prepared meats .....	41.3	41.6	40.9	40.6	-	4.4	4.3	4.3	3.8	-
2013	Poultry dressing plants .....	40.0	39.4	41.0	38.5	-	3.6	2.9	4.2	2.8	-
2016	Dairy products .....	36.8	36.1	36.2	36.5	-	2.5	2.2	2.6	2.5	-
202	Cheese, natural and processed .....	41.1	40.3	40.8	40.5	-	3.9	3.3	3.9	3.7	-
2022	Fluid milk .....	35.2	38.6	39.4	38.6	-	3.3	2.9	3.5	3.1	-
2026	Preserved fruits and vegetables .....	41.9	41.3	42.0	41.7	-	4.3	3.8	4.3	4.1	-
203	Canned specialties .....	38.9	38.8	39.2	39.1	-	3.7	3.0	3.4	3.9	-
2032	Canned fruits and vegetables .....	41.3	39.5	43.0	41.8	-	5.0	4.3	6.7	5.4	-
2033	Frozen fruits and vegetables .....	39.1	39.2	39.0	39.6	-	4.0	2.4	2.8	3.5	-
2037	Grain mill products .....	38.8	39.4	39.7	39.0	-	3.6	4.0	3.4	4.2	-
204	Flour and other grain mill products .....	43.0	42.7	44.1	44.0	-	5.2	5.2	5.6	6.1	-
2041	Prepared feeds, nec .....	46.2	45.6	45.7	44.4	-	6.5	6.3	6.3	6.1	-
2048	Bakery products .....	43.2	43.5	44.0	44.1	-	5.7	5.8	6.0	6.0	-
205	Bread, cake, and related products .....	38.2	37.0	39.8	38.1	-	2.9	2.5	2.9	2.7	-
2051	Cookies and crackers .....	37.8	36.7	39.4	37.1	-	3.1	2.6	3.1	2.7	-
2052	Sugar and confectionery products .....	39.3	37.7	40.6	40.8	-	2.5	2.3	2.3	2.7	-
206	Cane and beet sugar .....	39.9	39.5	40.4	39.9	-	2.9	2.7	3.5	3.2	-
2061-3	Confectionery products .....	42.3	43.1	43.3	44.1	-	5.1	5.4	5.5	6.4	-
2065	Fats and oils .....	38.6	37.2	39.4	38.4	-	1.9	1.4	2.9	2.0	-
207	Beverages .....	42.8	42.8	44.8	44.1	-	5.1	4.8	5.8	6.1	-
208	Malt beverages .....	40.2	39.0	40.7	40.0	-	3.6	2.8	3.2	3.0	-
2082	Bottled and canned soft drinks .....	42.2	40.6	43.0	43.3	-	5.3	4.6	4.8	5.0	-
2086	.....	39.4	38.1	39.2	38.6	-	3.0	2.1	2.7	2.3	-
209	Misc. foods and kindred products .....	37.2	36.2	38.8	37.1	-	2.9	2.5	3.0	3.1	-
<b>TOBACCO MANUFACTURES</b>											
21	Cigarettes .....	37.4	36.5	37.8	37.5	35.9	1.2	1.2	1.0	1.0	-
211	.....	37.1	36.1	37.0	37.4	-	1.0	.9	.4	.6	-
<b>TEXTILE MILL PRODUCTS</b>											
22	Weaving mills, cotton .....	40.4	39.0	41.0	40.2	40.4	3.5	2.6	3.8	3.5	-
221	Weaving mills, synthetics .....	40.7	39.7	40.7	39.9	-	3.8	3.2	3.7	3.4	-
222	Weaving and finishing mills, wool .....	40.9	39.9	41.5	41.1	-	3.6	2.4	3.9	3.8	-
223	Narrow fabric mills .....	40.8	39.7	42.5	42.2	-	4.1	3.6	4.4	4.3	-
224	Knitting mills .....	40.0	39.3	41.7	40.2	-	2.4	1.6	3.4	2.7	-
225	.....	38.9	37.6	39.2	38.3	-	2.8	2.3	3.0	2.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
<b>TEXTILE MILL PRODUCTS—Continued</b>											
2251	Women's hosiery, except socks	\$220.40	\$215.99	\$235.98	\$227.55	-	\$5.51	\$5.51	\$5.70	\$5.79	-
2252	Hosiery, nec	207.04	198.69	193.32	198.19	-	5.42	5.37	5.40	5.49	-
2253	Knit outerwear mills	204.79	197.64	213.56	205.86	-	5.52	5.49	5.62	5.64	-
2254	Knit underwear mills	199.50	194.51	205.20	208.10	-	5.32	5.30	5.40	5.52	-
2257	Circular knit fabric mills	265.85	249.20	273.26	271.70	-	6.36	6.23	6.46	6.50	-
226	Textile finishing, except wool	271.51	251.94	284.85	277.19	-	6.59	6.46	6.75	6.77	-
2261	Finishing plants, cotton	276.89	253.10	288.23	277.70	-	6.64	6.54	6.75	6.84	-
2262	Finishing plants, synthetics	275.09	259.29	289.68	276.75	-	6.86	6.70	7.10	7.06	-
227	Floor covering mills	265.43	240.56	275.52	261.39	-	6.35	6.20	6.56	6.47	-
228	Yarn and thread mills	238.21	223.26	243.90	245.22	-	5.81	5.71	5.92	6.04	-
2281	Yarn mills, except wool	241.70	224.80	248.29	252.93	-	5.81	5.72	5.94	6.08	-
2282	Throwing and winding mills	215.07	209.21	219.65	214.60	-	5.63	5.52	5.75	5.80	-
229	Miscellaneous textile goods	286.60	266.40	306.68	307.55	-	6.84	6.66	7.05	7.07	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	194.35	188.68	200.38	198.91	\$201.48	5.37	5.33	5.46	5.51	\$5.49
231	Men's and boys' suits and coats	222.41	214.11	234.47	230.55	-	6.23	6.10	6.32	6.44	-
232	Men's and boys' furnishings	182.90	177.35	185.13	185.93	-	4.93	4.94	4.99	5.08	-
2321	Men's and boys' shirts and nightwear	173.85	167.80	175.79	173.11	-	4.75	4.74	4.79	4.83	-
2327	Men's and boys' separate trousers	184.74	184.33	193.03	194.91	-	5.02	5.05	5.04	5.17	-
2328	Men's and boys' work clothing	185.11	178.20	185.01	186.48	-	4.91	4.95	4.96	5.04	-
233	Women's and misses' outerwear	183.16	178.34	191.80	189.95	-	5.34	5.23	5.48	5.49	-
2331	Women's and misses' blouses and waists	170.38	168.22	173.75	175.35	-	4.91	4.89	4.95	5.01	-
2335	Women's and misses' dresses	181.06	177.56	186.68	185.69	-	5.52	5.43	5.64	5.61	-
2337	Women's and misses' suits and coats	206.04	189.99	222.72	217.70	-	6.06	5.74	6.57	6.46	-
2339	Women's and misses' outerwear, nec	181.86	180.43	191.29	190.25	-	5.08	5.04	5.17	5.27	-
234	Women's and children's undergarments	178.12	169.53	184.26	181.14	-	4.88	4.83	4.94	4.99	-
2341	Women's and children's underwear	176.05	168.26	180.79	177.87	-	4.81	4.78	4.86	4.90	-
2342	Brassieres and allied garments	189.02	177.83	202.61	199.84	-	5.28	5.11	5.36	5.49	-
236	Children's outerwear	172.32	174.95	174.85	176.63	-	4.80	4.78	4.83	4.92	-
2361	Children's dresses and blouses	168.86	175.64	168.96	172.69	-	4.77	4.76	4.80	4.92	-
238	Misc. apparel and accessories	192.35	188.50	196.14	196.71	-	5.30	5.28	5.33	5.36	-
239	Misc. fabricated textile products	246.72	237.63	253.13	247.30	-	6.31	6.32	6.36	6.44	-
2391	Curtains and draperies	188.44	172.80	195.28	184.40	-	4.92	4.80	5.02	5.08	-
2392	House furnishing, nec	211.14	203.14	218.14	204.97	-	5.40	5.36	5.44	5.51	-
2396	Automotive and apparel trimmings	418.00	426.10	415.30	418.18	-	10.22	10.76	10.08	10.15	-
26	<b>PAPER AND ALLIED PRODUCTS</b>	423.02	402.41	448.07	440.48	440.48	9.93	9.65	10.23	10.22	10.22
261, 2, 6	Paper and pulp mills	521.10	490.68	552.22	544.95	-	11.71	11.28	12.11	12.11	-
262	Paper mills, except building paper	524.16	495.88	552.51	543.91	-	11.70	11.27	12.09	12.06	-
263	Paperboard mills	526.01	497.46	557.29	556.33	-	12.12	11.65	12.58	12.53	-
264	Misc. converted paper products	361.88	347.65	385.15	376.62	-	8.72	8.50	9.02	9.01	-
2641	Paper coating and glazing	420.60	406.83	444.42	435.97	-	9.85	9.55	10.24	10.21	-
2642	Envelopes	323.21	318.74	346.06	332.49	-	8.04	7.87	8.22	8.23	-
2643	Bags, except textile bags	339.02	322.67	362.39	359.12	-	8.13	7.87	8.35	8.43	-
265	Paperboard containers and boxes	359.04	339.33	375.38	367.53	-	8.61	8.42	8.75	8.73	-
2651	Folding paperboard boxes	367.69	348.94	404.95	380.75	-	8.86	8.68	9.10	8.98	-
2653	Corrugated and solid fiber boxes	379.14	349.86	391.43	387.90	-	8.90	8.66	9.04	9.00	-
2654	Sanitary food containers	344.84	330.05	356.58	348.19	-	8.23	8.05	8.39	8.33	-
27	<b>PRINTING AND PUBLISHING</b>	342.91	332.79	357.50	347.07	349.68	9.12	8.97	9.31	9.28	9.30
271	Newspapers	310.04	297.50	326.18	309.82	-	9.20	9.07	9.40	9.36	-
272	Periodicals	356.59	349.98	366.16	371.04	-	9.56	9.21	9.95	10.11	-
273	Books	328.83	315.59	347.13	329.22	-	8.41	8.24	8.55	8.42	-
2731	Book publishing	302.44	297.60	303.81	296.80	-	7.98	8.00	8.08	8.00	-
2732	Book printing	360.53	337.39	394.66	364.21	-	8.88	8.52	8.99	8.84	-
274	Miscellaneous publishing	292.94	287.07	288.52	289.22	-	8.16	7.93	8.22	8.24	-
275	Commercial printing	366.05	355.04	376.44	368.42	-	9.41	9.27	9.53	9.52	-
2751	Commercial printing, letterpress	343.68	331.88	352.82	345.71	-	8.95	8.85	9.07	9.05	-
2752	Commercial printing, lithographic	373.23	363.61	385.49	377.72	-	9.57	9.42	9.71	9.71	-
276	Manifold business forms	383.78	374.10	428.30	402.17	-	9.27	9.08	9.69	9.53	-
278	Blankbooks and bookbinding	277.81	280.21	296.11	291.95	-	7.16	7.13	7.44	7.41	-
279	Printing trade services	420.48	409.42	433.01	428.99	-	10.95	10.86	11.16	11.23	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	440.54	421.87	461.74	457.38	456.29	10.59	10.34	10.89	10.89	10.89
281	Industrial inorganic chemicals	486.38	465.68	511.83	511.34	-	11.72	11.47	12.10	12.06	-
2819	Industrial inorganic chemicals, nec	491.23	470.09	519.23	519.44	-	11.78	11.55	12.16	12.08	-
282	Plastics materials and synthetics	443.10	417.18	460.93	455.15	-	10.55	10.25	10.82	10.76	-
2821	Plastics materials and resins	489.63	461.05	512.00	509.52	-	11.44	11.03	11.77	11.74	-
2824	Organic fibers, noncellulosic	422.35	395.34	440.48	431.79	-	10.08	9.81	10.34	10.33	-
283	Drugs	397.70	389.05	417.25	408.41	-	9.70	9.42	10.03	10.01	-
2834	Pharmaceutical preparations	380.55	371.28	396.89	388.24	-	9.35	9.10	9.61	9.61	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
<b>TEXTILE MILL PRODUCTS—Continued</b>											
2251	Women's hosiery, except socks	40.0	39.2	41.4	39.3	-	3.2	3.1	4.2	3.8	-
2252	Hosiery, nec	38.2	37.0	35.8	36.1	-	2.3	1.6	1.6	1.6	-
2253	Knit outerwear mills	37.1	36.0	38.0	36.5	-	2.3	2.0	2.3	1.7	-
2254	Knit underwear mills	37.5	36.7	38.0	37.7	-	1.6	1.4	2.3	1.5	-
2257	Circular knit fabric mills	41.8	40.0	42.3	41.8	-	4.3	3.4	4.5	4.3	-
226	Textile finishing, except wool	41.2	39.0	42.2	40.5	-	4.1	2.6	4.6	3.8	-
2261	Finishing plants, cotton	41.7	38.7	42.7	40.6	-	4.1	2.4	4.3	3.5	-
2262	Finishing plants, synthetics	40.1	38.7	40.8	39.2	-	4.0	2.9	4.6	3.6	-
227	Floor covering mills	41.8	38.8	42.0	40.4	-	4.5	2.5	5.0	4.1	-
228	Yarn and thread mills	41.0	39.1	41.2	40.6	-	3.7	2.7	4.0	3.9	-
2281	Yarn mills, except wool	41.6	39.3	41.8	41.6	-	4.1	2.9	4.3	4.4	-
2282	Throwing and winding mills	38.2	37.9	38.2	37.0	-	2.8	2.3	3.7	3.1	-
229	Miscellaneous textile goods	41.9	40.0	43.5	43.5	-	3.6	2.5	4.4	4.5	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	36.2	35.4	36.7	36.1	36.7	1.3	1.0	1.4	1.3	-
231	Men's and boys' suits and coats	35.7	35.1	37.1	35.8	-	.7	.5	1.1	1.1	-
232	Men's and boys' furnishings	37.1	35.9	37.1	36.6	-	1.2	1.0	1.2	1.0	-
2321	Men's and boys' shirts and nighwear	36.6	35.4	36.7	35.4	-	1.1	.9	1.1	.9	-
2327	Men's and boys' separate trousers	36.8	36.5	38.3	37.7	-	1.3	1.4	1.7	1.4	-
2328	Men's and boys' work clothing	37.7	36.0	37.3	37.0	-	1.2	1.0	1.1	.9	-
233	Women's and misses' outerwear	34.3	34.1	35.0	34.6	-	1.2	1.1	1.3	1.2	-
2331	Women's and misses' blouses and waists	34.7	34.4	35.1	35.0	-	1.1	1.1	1.3	1.1	-
2335	Women's and misses' dresses	32.8	32.7	33.1	33.1	-	.9	.9	.8	.8	-
2337	Women's and misses' suits and coats	34.0	33.1	33.9	33.7	-	1.1	.8	1.2	1.2	-
2339	Women's and misses' outerwear, nec	35.8	35.8	37.0	36.1	-	1.5	1.3	1.8	1.7	-
234	Women's and children's undergarments	36.5	35.1	37.3	36.3	-	1.4	.7	1.7	1.3	-
2341	Women's and children's underwear	36.6	35.2	37.2	36.3	-	1.4	.8	1.7	1.4	-
2342	Brassieres and allied garments	35.8	34.8	37.8	36.4	-	.9	.4	1.5	1.0	-
236	Children's outerwear	35.9	36.6	36.2	35.9	-	1.0	1.2	.8	1.0	-
2361	Children's dresses and blouses	35.4	36.9	35.2	35.1	-	.9	1.3	.7	1.0	-
238	Misc. apparel and accessories	36.3	35.7	36.8	36.7	-	1.4	1.1	1.3	1.2	-
239	Misc. fabricated textile products	39.1	37.6	39.8	38.4	-	2.2	1.3	2.4	2.1	-
2391	Curtains and draperies	38.3	36.0	38.9	36.3	-	1.3	.3	1.8	1.1	-
2392	House furnishings, nec	39.1	37.9	40.1	37.2	-	2.5	1.8	2.9	1.4	-
2396	Automotive and apparel trimmings	40.9	39.6	41.2	41.2	-	3.5	2.0	3.8	4.0	-
26	<b>PAPER AND ALLIED PRODUCTS</b>	42.6	41.7	43.8	43.1	43.1	4.6	3.9	5.1	4.9	-
261, 2, 6	Paper and pulp mills	44.5	43.5	45.6	45.0	-	6.4	5.6	6.8	6.8	-
262	Paper mills, except building paper	44.8	44.0	45.7	45.1	-	6.4	5.8	6.8	6.8	-
263	Paperboard mills	43.4	42.7	44.3	44.4	-	6.9	6.0	7.3	7.0	-
264	Misc. converted paper products	41.5	40.9	42.7	41.8	-	3.0	2.6	3.6	3.4	-
2641	Paper coating and glazing	42.7	42.6	43.4	42.7	-	3.1	2.4	3.9	3.4	-
2642	Envelopes	40.2	40.5	42.1	40.4	-	2.6	2.3	3.7	3.2	-
2643	Bags, except textile bags	41.7	41.0	43.4	42.6	-	3.3	3.0	4.2	3.7	-
265	Paperboard containers and boxes	41.7	40.3	42.9	42.1	-	3.8	2.8	4.3	3.8	-
2651	Folding paperboard boxes	41.5	40.2	44.5	42.4	-	3.4	2.5	5.1	4.0	-
2653	Corrugated and solid fiber boxes	42.6	40.4	43.3	43.1	-	4.5	3.3	4.7	4.4	-
2654	Sanitary food containers	41.9	41.0	42.5	41.8	-	3.5	2.1	3.5	3.1	-
27	<b>PRINTING AND PUBLISHING</b>	37.6	37.1	38.4	37.4	37.6	2.6	2.2	3.0	2.5	-
271	Newspapers	33.7	32.8	34.7	33.1	-	1.6	1.1	2.1	1.3	-
272	Periodicals	37.3	38.0	36.8	36.7	-	2.3	2.7	2.3	2.2	-
273	Books	39.1	38.3	40.6	39.1	-	3.1	2.3	3.8	3.0	-
2731	Book publishing	37.9	37.2	37.6	37.1	-	1.6	1.3	1.9	1.8	-
2732	Book printing	40.6	39.6	43.9	41.2	-	4.7	3.6	5.9	4.3	-
274	Miscellaneous publishing	35.9	36.2	35.1	35.1	-	1.6	1.3	1.3	1.4	-
275	Commercial printing	36.9	38.3	39.5	38.7	-	3.0	2.6	3.3	2.9	-
2751	Commercial printing, letterpress	38.4	37.5	38.9	38.2	-	2.7	2.1	2.9	2.5	-
2752	Commercial printing, lithographic	39.0	38.6	39.7	38.9	-	3.1	2.7	3.6	3.1	-
276	Manifold business forms	41.4	41.2	44.2	42.2	-	3.5	3.2	5.9	4.2	-
278	Blankbooks and bookbinding	36.8	39.3	39.8	39.4	-	2.0	2.6	2.6	2.5	-
279	Printing trade service	36.4	37.7	38.8	38.2	-	3.6	3.1	3.3	3.0	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	41.6	40.8	42.4	42.0	41.9	3.1	2.7	3.4	3.4	-
281	Industrial inorganic chemicals	41.5	40.6	42.3	42.4	-	2.9	2.5	3.2	3.1	-
2819	Industrial inorganic chemicals, nec	41.7	40.7	42.7	43.0	-	2.9	2.7	3.3	3.2	-
282	Plastics materials and synthetics	42.0	40.7	42.6	42.3	-	3.3	2.4	3.4	3.4	-
2821	Plastics materials and resins	42.8	41.8	43.5	43.4	-	4.2	3.0	4.5	4.3	-
2824	Organic fibers, noncellulosic	41.9	40.3	42.6	41.8	-	2.7	2.0	2.7	3.0	-
283	Drugs	41.0	41.3	41.6	40.8	-	2.8	3.0	3.0	2.9	-
2834	Pharmaceutical preparations	40.7	40.8	41.3	40.4	-	2.8	2.9	3.0	2.8	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
284	Soap, cleaners, and toilet goods	\$397.44	\$384.71	\$422.03	\$415.48	-	\$9.67	\$9.57	\$9.93	\$10.06	-
2841	Soap and other detergents	546.36	517.37	574.21	567.24	-	12.56	12.26	13.08	13.04	-
2844	Toilet preparations	313.22	299.15	340.62	332.43	-	7.85	7.71	8.11	8.29	-
2842, 3	Polishing, sanitation, and finishing preparations	368.04	362.91	384.47	377.58	-	9.11	9.05	9.22	9.30	-
285	Paints and allied products	381.60	362.61	393.84	394.97	-	9.33	9.18	9.49	9.61	-
286	Industrial organic chemicals	541.03	510.83	565.42	564.16	-	12.73	12.25	13.18	13.12	-
2865	Cyclic crudes and intermediates	501.36	476.24	544.43	527.48	-	12.14	11.73	12.75	12.47	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	552.55	522.04	571.90	574.99	-	12.91	12.40	13.30	13.31	-
287	Agricultural chemicals	434.05	414.75	463.11	452.19	-	10.31	9.97	10.77	10.69	-
289	Miscellaneous chemical products	398.55	383.40	421.02	420.33	-	9.65	9.49	9.86	9.89	-
29	<b>PETROLEUM AND COAL PRODUCTS</b>	582.99	572.46	602.51	598.53	\$592.29	13.28	13.16	13.57	13.42	\$13.28
291	Petroleum refining	633.39	618.72	657.45	651.41	-	14.33	14.03	14.61	14.38	-
295	Paving and roofing materials	420.55	393.12	426.82	414.07	-	9.69	9.45	9.88	9.72	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>	330.42	317.19	347.65	345.64	347.31	8.02	7.91	8.18	8.21	8.23
301	Tires and inner tubes	531.05	501.48	582.11	573.65	-	12.35	11.94	12.65	12.92	-
302	Rubber and plastics footwear	196.60	196.50	209.44	209.16	-	5.16	5.24	5.21	5.19	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	336.61	323.97	349.40	359.89	-	8.23	8.14	8.26	8.35	-
306	Fabricated rubber products, nec	312.62	293.57	333.80	330.68	-	7.70	7.47	7.91	7.93	-
307	Miscellaneous plastics products	300.85	287.68	313.65	311.92	-	7.32	7.21	7.45	7.48	-
31	<b>LEATHER AND LEATHER PRODUCTS</b>	203.50	196.90	208.88	207.69	208.46	5.53	5.50	5.60	5.69	5.68
311	Leather tanning and finishing	298.40	292.25	296.56	286.77	-	7.46	7.38	7.47	7.41	-
314	Footwear, except rubber	190.77	183.92	196.14	195.84	-	5.27	5.24	5.33	5.44	-
3143	Men's footwear, except athletic	202.40	193.60	205.34	207.12	-	5.50	5.50	5.58	5.69	-
3144	Women's footwear, except athletic	185.24	177.48	193.59	191.33	-	5.16	5.10	5.19	5.30	-
316	Luggage	239.51	250.25	236.16	256.03	-	6.27	6.50	6.40	6.72	-
317	Handbags and personal leather goods	194.77	186.52	199.96	195.48	-	5.18	5.21	5.29	5.40	-
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	421.59	409.04	435.91	432.77	431.59	10.81	10.68	10.98	11.04	11.01
4011	<b>RAILROAD TRANSPORTATION:</b> Class I railroads <sup>2</sup>	541.85	506.21	568.11	-	-	12.84	12.53	13.06	-	-
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b>	251.54	245.89	239.86	244.60	-	7.42	7.34	7.16	7.48	-
411	Local and suburban transportation	315.83	317.60	313.62	313.36	-	8.14	7.96	8.21	8.29	-
413	Intercity highway transportation	429.09	435.26	391.40	402.22	-	11.66	11.86	10.30	10.93	-
42	<b>TRUCKING AND WAREHOUSING</b>	401.94	385.88	418.97	401.77	-	10.44	10.29	10.58	10.49	-
421, 3	Trucking and trucking terminals	409.64	393.75	426.89	409.43	-	10.64	10.50	10.78	10.69	-
422	Public warehousing	288.00	279.00	298.23	291.08	-	7.50	7.44	7.55	7.60	-
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b>	586.30	588.94	610.03	627.10	-	14.06	13.89	14.49	14.79	-
48	<b>COMMUNICATION</b>	423.26	412.73	443.77	443.29	-	10.77	10.61	11.15	11.11	-
481	Telephone communication	456.86	439.70	480.36	475.51	-	11.45	11.16	11.89	11.77	-
4817	Switchboard operating employees <sup>3</sup>	337.62	315.54	360.17	291.08	-	9.93	9.62	10.47	9.42	-
4818	Line construction employees <sup>4</sup>	562.82	540.14	597.32	483.34	-	13.15	12.83	13.70	12.33	-
483	Radio and television broadcasting	330.04	324.80	341.12	349.32	-	8.92	8.85	9.17	9.34	-
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	474.95	463.61	491.71	497.12	-	11.50	11.28	11.82	11.95	-
491	Electric services	481.31	467.62	493.73	497.54	-	11.57	11.35	11.84	11.96	-
492	Gas production and distribution	425.54	419.42	449.60	464.96	-	10.43	10.18	10.86	11.15	-
493	Combination utility services	552.69	533.34	579.93	579.60	-	13.35	13.04	13.71	13.80	-
495	Sanitary services	368.74	370.94	363.86	368.74	-	8.95	8.96	8.94	8.95	-
-	<b>WHOLESALE AND RETAIL TRADE</b>	207.03	201.59	214.19	211.40	211.09	6.49	6.42	6.55	6.69	6.68
50, 51	<b>WHOLESALE TRADE</b>	324.63	318.27	335.40	334.66	332.26	8.41	8.31	8.60	8.67	8.63
50	<b>WHOLESALE TRADE-DURABLE GOODS</b>	325.26	319.32	336.08	335.87	-	8.34	8.23	8.53	8.59	-
501	Motor vehicles and automotive equipment	292.60	282.32	305.37	306.54	-	7.60	7.41	7.83	7.86	-
502	Furniture and home furnishings	282.74	281.23	287.27	289.48	-	7.56	7.56	7.62	7.74	-
503	Lumber and construction materials	313.97	306.08	323.47	316.47	-	8.03	7.95	8.21	8.22	-
504	Sporting goods, toys, and hobby goods	337.19	334.90	347.40	364.81	-	8.85	8.79	9.00	9.55	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
284	Soap, cleaners, and toilet goods	41.1	40.2	42.5	41.3	-	3.1	2.7	3.3	3.2	-
2841	Soap and other detergents	43.5	42.2	43.9	43.5	-	4.8	4.3	4.7	5.2	-
2844	Toilet preparations	39.9	38.8	42.0	40.1	-	2.3	1.7	2.9	2.2	-
2842, 3	Polishing, sanitation, and finishing preparations	40.4	40.1	41.7	40.6	-	2.3	2.5	2.4	2.6	-
285	Paints and allied products	40.9	39.5	41.5	41.1	-	2.7	2.1	2.5	2.7	-
286	Industrial organic chemicals	42.5	41.7	42.9	43.0	-	3.5	2.8	3.8	4.0	-
2865	Cyclic crudes and intermediates	41.3	40.6	42.7	42.3	-	3.2	2.6	3.8	3.9	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	42.8	42.1	43.0	43.2	-	3.6	2.8	3.8	4.0	-
287	Agricultural chemicals	42.1	41.6	43.0	42.3	-	4.1	3.4	4.6	4.5	-
289	Miscellaneous chemical products	41.3	40.4	42.7	42.5	-	3.0	2.4	3.4	3.7	-
29	<b>PETROLEUM AND COAL PRODUCTS</b>	43.9	43.5	44.4	44.6	44.6	4.0	3.4	4.2	4.3	-
291	Petroleum refining	44.2	44.1	45.0	45.3	-	3.6	3.3	4.1	4.2	-
295	Paving and roofing materials	43.4	41.6	43.2	42.6	-	6.4	5.0	5.3	5.4	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>	41.2	40.1	42.5	42.1	42.2	3.5	2.5	4.2	4.1	-
301	Tires and inner tubes	43.0	42.0	45.3	44.4	-	4.3	2.4	6.1	5.6	-
302	Rubber and plastics footwear	38.1	37.5	40.2	40.3	-	1.5	1.0	2.1	2.0	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	40.9	39.8	42.3	43.1	-	3.0	1.8	3.9	4.4	-
306	Fabricated rubber products, nec	40.6	39.3	42.2	41.7	-	2.9	2.1	3.7	3.7	-
307	Miscellaneous plastics products	41.1	39.9	42.1	41.7	-	3.6	2.8	4.0	4.0	-
31	<b>LEATHER AND LEATHER PRODUCTS</b>	36.8	35.8	37.3	36.5	36.7	1.4	1.1	1.6	1.4	-
311	Leather tanning and finishing	40.0	39.6	39.7	38.7	-	3.2	3.0	3.0	2.7	-
314	Footwear, except rubber	36.2	35.1	36.8	36.0	-	1.0	.8	1.4	1.2	-
3143	Men's footwear, except athletic	36.8	35.2	36.8	36.4	-	.9	.4	1.3	1.1	-
3144	Women's footwear, except athletic	35.9	34.8	37.3	36.1	-	1.2	1.0	1.5	1.3	-
316	Luggage	38.2	38.5	36.9	38.1	-	2.4	2.6	2.8	2.7	-
317	Handbags and personal leather goods	37.6	35.8	37.8	36.2	-	1.4	.6	1.4	1.4	-
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	39.0	38.3	39.7	39.2	39.2	-	-	-	-	-
	<b>RAILROAD TRANSPORTATION:</b>										
4011	Class I railroads <sup>2</sup>	42.2	40.4	43.5	-	-	-	-	-	-	-
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b>	33.9	33.5	33.5	32.7	-	-	-	-	-	-
411	Local and suburban transportation	38.8	39.9	38.2	37.8	-	-	-	-	-	-
413	Intercity highway transportation	36.8	36.7	38.0	36.8	-	-	-	-	-	-
42	<b>TRUCKING AND WAREHOUSING</b>	38.5	37.5	39.6	38.3	-	-	-	-	-	-
421, 3	Trucking and trucking terminals	38.5	37.5	39.6	38.3	-	-	-	-	-	-
422	Public warehousing	38.4	37.5	39.5	38.3	-	-	-	-	-	-
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b>	41.7	42.4	42.1	42.4	-	-	-	-	-	-
48	<b>COMMUNICATION</b>	39.3	38.9	39.8	39.9	-	-	-	-	-	-
481	Telephone communication	39.9	39.4	40.4	40.4	-	-	-	-	-	-
4817	Switchboard operating employees <sup>3</sup>	34.0	32.8	34.4	30.9	-	-	-	-	-	-
4818	Line construction employees <sup>4</sup>	42.8	42.1	43.6	39.2	-	-	-	-	-	-
483	Radio and television broadcasting	37.0	36.7	37.2	37.4	-	-	-	-	-	-
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	41.3	41.1	41.6	41.6	-	-	-	-	-	-
491	Electric services	41.6	41.2	41.7	41.6	-	-	-	-	-	-
492	Gas production and distribution	40.8	41.2	41.4	41.7	-	-	-	-	-	-
493	Combination utility services	41.4	40.9	42.3	42.0	-	-	-	-	-	-
495	Sanitary services	41.2	41.4	40.7	41.2	-	-	-	-	-	-
-	<b>WHOLESALE AND RETAIL TRADE</b>	31.9	31.4	32.7	31.6	31.6	-	-	-	-	-
50, 51	<b>WHOLESALE TRADE</b>	38.6	38.3	39.0	38.6	38.5	-	-	-	-	-
50	<b>WHOLESALE TRADE-DURABLE GOODS</b>	39.0	38.8	39.4	39.1	-	-	-	-	-	-
501	Motor vehicles and automotive equipment	38.5	38.1	39.0	39.0	-	-	-	-	-	-
502	Furniture and home furnishings	37.4	37.2	37.7	37.4	-	-	-	-	-	-
503	Lumber and construction materials	39.1	38.5	39.4	38.5	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods	38.1	38.1	38.6	38.2	-	-	-	-	-	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
	<b>WHOLESALE TRADE-DURABLE GOODS—Continued</b>										
505	Metals and minerals, except petroleum .....	\$366.51	\$362.18	\$382.82	\$383.39	-	\$9.14	\$9.10	\$9.36	\$9.42	-
506	Electrical goods .....	350.34	355.81	364.57	348.17	-	8.96	8.94	9.16	9.02	-
507	Hardware, plumbing, and heating equipment .....	304.58	298.37	312.00	313.86	-	7.85	7.69	8.00	8.11	-
508	Machinery, equipment, and supplies .....	339.95	332.28	352.93	355.21	-	8.65	8.52	8.89	8.97	-
509	Miscellaneous durable goods .....	264.58	256.66	272.92	268.80	-	6.89	6.79	6.98	7.00	-
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b>	322.91	316.22	333.21	333.14	-	8.52	8.41	8.70	8.79	-
511	Paper and paper products .....	344.65	329.87	356.59	357.33	-	9.24	8.82	9.56	9.58	-
512	Drugs, proprietaries, and sundries .....	348.01	338.74	364.81	361.88	-	9.33	9.23	9.55	9.65	-
513	Apparel, piece goods, and notions .....	304.14	297.19	311.44	315.50	-	8.22	8.12	8.44	8.55	-
514	Groceries and related products .....	326.32	320.50	333.80	334.14	-	8.52	8.39	8.67	8.77	-
516	Chemicals and allied products .....	389.26	387.22	402.99	407.09	-	9.93	9.98	10.10	10.28	-
517	Petroleum and petroleum products .....	372.22	398.38	399.91	405.37	-	9.83	9.91	9.85	9.96	-
518	Beer, wine, and distilled beverages .....	367.86	356.00	389.12	368.46	-	10.19	10.00	10.69	10.35	-
519	Miscellaneous nondurable goods .....	258.00	253.33	265.03	266.70	-	6.88	6.81	7.03	7.15	-
52-59	<b>RETAIL TRADE</b>	170.75	164.98	177.72	173.17	\$172.87	5.73	5.65	5.77	5.89	\$5.88
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b>	222.14	216.22	226.70	226.27	-	6.24	6.16	6.35	6.41	-
521	Lumber and other building materials .....	235.51	227.88	239.58	238.32	-	6.47	6.33	6.60	6.62	-
525	Hardware stores .....	185.01	182.24	187.68	185.69	-	5.49	5.44	5.52	5.61	-
53	<b>GENERAL MERCHANDISE STORES</b>	165.79	157.62	180.62	161.60	-	5.62	5.55	5.49	5.67	-
531	Department stores .....	171.11	162.44	187.35	166.44	-	5.82	5.74	5.66	5.84	-
533	Variety stores .....	129.63	123.70	142.68	130.21	-	4.35	4.31	4.39	4.49	-
539	Misc. general merchandise stores .....	136.96	133.21	139.23	132.31	-	4.52	4.47	4.42	4.61	-
54	<b>FOOD STORES</b>	228.75	222.14	231.48	229.20	-	7.50	7.38	7.54	7.64	-
541	Grocery stores .....	238.85	231.49	242.09	239.07	-	7.78	7.64	7.86	7.89	-
546	Retail bakeries .....	143.87	135.34	151.55	145.12	-	5.12	5.05	5.19	5.22	-
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b>	247.97	239.76	253.50	254.29	-	6.72	6.48	6.87	6.91	-
551, 2	New and used car dealers .....	301.27	283.49	308.51	307.69	-	7.97	7.48	8.14	8.14	-
553	Auto and home supply stores .....	243.72	254.16	247.27	249.74	-	6.17	6.26	6.27	6.42	-
554	Gasoline service stations .....	179.06	177.68	180.94	182.16	-	5.19	5.15	5.26	5.28	-
56	<b>APPAREL AND ACCESSORY STORES</b>	140.28	137.50	151.04	140.62	-	5.01	5.00	5.12	5.17	-
561	Men's and boys' clothing and furnishings .....	177.06	178.15	191.62	178.98	-	5.73	5.71	5.86	5.83	-
562	Women's ready-to-wear stores .....	127.37	124.16	136.69	130.15	-	4.70	4.65	4.83	4.93	-
565	Family clothing stores .....	139.72	136.54	149.30	136.48	-	4.99	5.02	5.01	5.15	-
566	Shoe stores .....	144.72	138.48	155.88	141.96	-	5.15	5.11	5.32	5.20	-
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b>	224.04	218.88	235.61	230.52	-	6.57	6.40	6.79	6.80	-
571	Furniture and home furnishings stores .....	224.32	218.66	238.35	233.24	-	6.54	6.45	6.81	6.84	-
572	Household appliance stores .....	235.27	227.12	239.78	233.22	-	6.94	6.80	6.95	6.90	-
573	Radio, television, and music stores .....	218.32	215.68	227.46	223.78	-	6.44	6.11	6.69	6.66	-
58	<b>EATING AND DRINKING PLACES<sup>5</sup></b>	112.30	107.44	113.45	112.05	-	4.27	4.23	4.33	4.36	-
59	<b>MISCELLANEOUS RETAIL</b>	175.15	169.89	185.17	179.60	-	5.65	5.57	5.68	5.85	-
591	Drug stores and proprietary stores .....	154.44	148.90	162.36	155.93	-	5.40	5.28	5.43	5.51	-
594	Miscellaneous shopping goods stores .....	154.62	151.29	167.24	158.06	-	5.12	5.06	5.13	5.34	-
596	Nonstore retailers .....	214.37	204.79	222.18	215.17	-	6.38	6.36	6.33	6.54	-
598	Fuel and ice dealers .....	293.36	297.94	311.76	334.46	-	7.72	7.62	8.14	8.32	-
599	Retail stores, nec .....	191.04	184.83	205.28	197.93	-	5.86	5.74	6.02	6.09	-
-	<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>6</sup></b>	264.26	262.44	268.97	276.67	274.40	7.30	7.19	7.43	7.58	7.58
60	<b>BANKING</b>	227.14	227.06	233.24	239.28	-	6.24	6.17	6.39	6.52	-
602	Commercial and stock savings banks .....	222.40	220.80	229.48	234.88	-	6.11	6.00	6.27	6.40	-
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b>	235.89	233.47	240.40	248.20	-	6.41	6.31	6.56	6.69	-
612	Savings and loan associations .....	209.16	211.12	211.68	220.22	-	5.81	5.80	5.88	6.05	-
614	Personal credit institutions .....	243.75	242.73	244.12	249.83	-	6.50	6.49	6.58	6.68	-
63	<b>INSURANCE CARRIERS</b>	305.04	299.20	310.90	316.40	-	8.20	8.00	8.38	8.46	-
631	Life insurance .....	308.12	300.00	317.21	318.45	-	8.35	8.13	8.55	8.63	-
632	Medical service and health insurance .....	293.28	293.75	299.03	313.86	-	7.80	7.61	8.06	8.11	-
633	Fire, marine, and casualty insurance .....	304.22	298.34	310.16	315.93	-	8.20	8.02	8.36	8.47	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
	<b>WHOLESALE TRADE-DURABLE GOODS—Continued</b>										
505	Metals and minerals, except petroleum .....	40.1	39.8	40.9	40.7	-	-	-	-	-	
506	Electrical goods .....	39.1	39.8	39.8	38.6	-	-	-	-	-	
507	Hardware, plumbing, and heating equipment .....	38.8	38.8	39.0	38.7	-	-	-	-	-	
508	Machinery, equipment, and supplies .....	39.3	39.0	39.7	39.6	-	-	-	-	-	
509	Miscellaneous durable goods .....	38.4	37.8	39.1	38.4	-	-	-	-	-	
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b>	37.9	37.6	38.3	37.9	-	-	-	-	-	
511	Paper and paper products .....	37.3	37.4	37.3	37.3	-	-	-	-	-	
512	Drugs, proprietaries, and sundries .....	37.3	36.7	38.2	37.5	-	-	-	-	-	
513	Apparel, piece goods, and notions .....	37.0	36.6	36.9	36.9	-	-	-	-	-	
514	Groceries and related products .....	38.3	38.2	38.5	38.1	-	-	-	-	-	
516	Chemicals and allied products .....	39.2	38.8	39.9	39.6	-	-	-	-	-	
517	Petroleum and petroleum products .....	39.9	40.2	40.6	40.7	-	-	-	-	-	
518	Beer, wine, and distilled beverages .....	36.1	35.6	36.4	35.6	-	-	-	-	-	
519	Miscellaneous nondurable goods .....	37.5	37.2	37.7	37.3	-	-	-	-	-	
52-59	<b>RETAIL TRADE</b> .....	29.8	29.2	30.8	29.4	29.4	-	-	-	-	
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b>										
521	Lumber and other building materials .....	35.6	35.1	35.7	35.3	-	-	-	-	-	
525	Hardware stores .....	36.4	36.0	36.3	36.0	-	-	-	-	-	
		33.7	33.5	34.0	33.1	-	-	-	-	-	
53	<b>GENERAL MERCHANDISE STORES</b>	29.5	28.4	32.9	28.5	-	-	-	-	-	
531	Department stores .....	29.4	28.3	33.1	28.5	-	-	-	-	-	
533	Variety stores .....	29.8	28.7	32.5	29.0	-	-	-	-	-	
539	Misc. general merchandise stores .....	30.3	29.8	31.5	28.7	-	-	-	-	-	
54	<b>FOOD STORES</b>	30.5	30.1	30.7	30.0	-	-	-	-	-	
541	Grocery stores .....	30.7	30.3	30.8	30.3	-	-	-	-	-	
546	Retail bakeries .....	28.1	26.8	29.2	27.8	-	-	-	-	-	
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b>										
551, 2	New and used car dealers .....	36.9	37.0	36.9	36.8	-	-	-	-	-	
553	Auto and home supply stores .....	37.8	37.9	37.9	37.8	-	-	-	-	-	
554	Gasoline service stations .....	39.5	40.6	39.5	38.9	-	-	-	-	-	
		34.5	34.5	34.4	34.5	-	-	-	-	-	
56	<b>APPAREL AND ACCESSORY STORES</b>	28.0	27.5	29.5	27.2	-	-	-	-	-	
561	Men's and boys' clothing and furnishings .....	30.9	31.2	32.7	30.7	-	-	-	-	-	
562	Women's ready-to-wear stores .....	27.1	26.7	28.3	26.4	-	-	-	-	-	
565	Family clothing stores .....	28.0	27.2	29.8	26.5	-	-	-	-	-	
566	Shoe stores .....	28.1	27.1	29.3	27.3	-	-	-	-	-	
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b>										
571	Furniture and home furnishings stores .....	34.1	34.2	34.7	33.9	-	-	-	-	-	
572	Household appliance stores .....	34.3	33.9	35.0	34.1	-	-	-	-	-	
573	Radio, television, and music stores .....	33.9	33.4	34.5	33.8	-	-	-	-	-	
		33.9	33.3	34.0	33.6	-	-	-	-	-	
58	<b>EATING AND DRINKING PLACES</b>	26.3	25.4	26.2	25.7	-	-	-	-	-	
59	<b>MISCELLANEOUS RETAIL</b>	31.0	30.5	32.6	30.7	-	-	-	-	-	
591	Drug stores and proprietary stores .....	28.6	28.2	29.9	28.3	-	-	-	-	-	
594	Miscellaneous shopping goods stores .....	30.2	29.9	32.6	29.6	-	-	-	-	-	
596	Nonstore retailers .....	33.6	32.2	35.1	32.9	-	-	-	-	-	
598	Fuel and ice dealers .....	38.0	39.1	38.3	40.2	-	-	-	-	-	
599	Retail stores, nec .....	32.6	32.2	34.1	32.5	-	-	-	-	-	
-	<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>h</sup></b> .....	36.2	36.5	36.2	36.5	36.2	-	-	-	-	
60	<b>BANKING</b>	36.4	36.8	36.5	36.7	-	-	-	-	-	
602	Commercial and stock savings banks .....	36.4	36.8	36.6	36.7	-	-	-	-	-	
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b>	36.8	37.0	36.6	37.1	-	-	-	-	-	
612	Savings and loan associations .....	36.0	36.4	36.0	36.4	-	-	-	-	-	
614	Personal credit institutions .....	37.5	37.4	37.1	37.4	-	-	-	-	-	
63	<b>INSURANCE CARRIERS</b>	37.2	37.4	37.1	37.4	-	-	-	-	-	
631	Life insurance .....	36.9	36.9	37.1	36.9	-	-	-	-	-	
632	Medical service and health insurance .....	37.6	38.6	37.1	38.7	-	-	-	-	-	
633	Fire, marine, and casualty insurance .....	37.1	37.2	37.1	37.3	-	-	-	-	-	

See footnotes at end of table.



# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avq. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
	<b>SERVICES</b> .....	\$237.40	\$234.79	\$242.54	\$245.48	\$244.40	\$7.26	\$7.18	\$7.44	\$7.53	\$7.52
701	<b>HOTELS AND OTHER LODGING PLACES:</b>										
	Hotels, motels, and tourist courts <sup>5</sup> .....	161.48	154.88	163.20	164.95	-	5.26	5.25	5.44	5.48	-
	<b>PERSONAL SERVICES:</b>										
721	Laundry, cleaning, and garment services .....	182.86	176.49	188.44	184.25	-	5.41	5.30	5.51	5.50	-
723	Beauty shops <sup>6</sup> .....	155.23	152.64	160.02	148.75	-	5.39	5.30	5.48	5.37	-
73	<b>BUSINESS SERVICES</b> .....	245.75	240.37	250.17	252.88	-	7.38	7.24	7.49	7.64	-
731	Advertising .....	352.11	345.80	368.15	371.88	-	9.70	9.50	10.17	10.33	-
734	Services to buildings .....	165.13	159.85	168.84	175.56	-	5.94	5.75	6.03	6.16	-
737	Computer and data processing services .....	353.35	341.89	366.82	376.38	-	9.25	8.95	9.73	10.01	-
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	261.26	256.13	266.16	265.30	-	6.93	6.83	7.06	7.00	-
753	Automotive repair shops .....	289.81	284.40	297.55	295.96	-	7.45	7.33	7.61	7.55	-
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	318.34	308.94	339.95	333.10	-	8.29	8.13	8.65	8.72	-
78	<b>MOTION PICTURES</b> .....	290.46	300.89	337.78	347.45	-	10.30	10.67	11.45	11.94	-
781	Motion picture production and services .....	566.48	589.05	641.60	675.41	-	14.60	15.38	16.00	16.97	-
79	<b>AMUSEMENT AND RECREATION SERVICES</b> ..	193.58	186.30	197.78	196.54	-	6.41	6.38	6.75	6.64	-
80	<b>HEALTH SERVICES</b> .....	240.02	236.88	243.32	247.21	-	7.34	7.20	7.51	7.56	-
801	Offices of physicians .....	227.65	230.72	228.66	229.59	-	7.25	7.21	7.40	7.43	-
802	Offices of dentists .....	199.08	198.95	202.00	203.60	-	7.11	7.03	7.24	7.22	-
805	Nursing and personal care facilities .....	160.21	159.13	162.42	166.60	-	5.07	5.02	5.14	5.19	-
806	Hospitals .....	275.87	269.39	279.71	285.42	-	8.09	7.90	8.30	8.37	-
81	<b>LEGAL SERVICES</b> .....	321.67	321.67	329.35	336.24	-	9.27	9.27	9.41	9.69	-
89	<b>MISCELLANEOUS SERVICES</b> .....	415.74	412.73	420.59	426.27	-	10.66	10.61	10.84	10.93	-
891	Engineering and architectural services .....	456.59	450.77	467.63	466.89	-	11.53	11.47	11.72	11.82	-
893	Accounting, auditing, and bookkeeping .....	347.53	346.37	346.71	356.51	-	8.98	8.95	9.10	9.26	-

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

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

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

<sup>4</sup> Data relate to employees in such occupations in the telephone industry as central office craft persons; installation and exchange repair craft persons; line, cable and conduit craft persons; and laborers. In 1977, such employees made up 37 percent of the

total number of nonsupervisory employees in establishments reporting hours and earnings data.

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

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

- Data not available.

p = preliminary.

NOTE: Data from April 1982 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" under the Establishment Data section of the Explanatory Notes.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P	Avg. 1983	Jan. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
	<b>SERVICES</b> .....	32.7	32.7	32.6	32.6	32.5	-	-	-	-	-
701	<b>HOTELS AND OTHER LODGING PLACES:</b>										
	Hotels, motels, and tourist courts <sup>5</sup> .....	30.7	29.5	30.0	30.1	-	-	-	-	-	
	<b>PERSONAL SERVICES:</b>										
721	Laundry, cleaning, and garment services .....	33.8	33.3	34.2	33.5	-	-	-	-	-	
723	Beauty shops <sup>5</sup> .....	28.8	28.8	29.2	27.7	-	-	-	-	-	
73	<b>BUSINESS SERVICES</b> .....	33.3	33.2	33.4	33.1	-	-	-	-	-	
731	Advertising .....	36.3	36.4	36.2	36.0	-	-	-	-	-	
734	Services to buildings .....	27.8	27.8	28.0	28.5	-	-	-	-	-	
737	Computer and data processing services .....	38.2	38.2	37.7	37.6	-	-	-	-	-	
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	37.7	37.5	37.7	37.9	-	-	-	-	-	
753	Automotive repair shops .....	38.9	38.8	39.1	39.2	-	-	-	-	-	
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	38.4	38.0	39.3	38.2	-	-	-	-	-	
78	<b>MOTION PICTURES</b> .....	28.2	28.2	29.5	29.1	-	-	-	-	-	
781	Motion picture production and services .....	38.8	38.3	40.1	39.8	-	-	-	-	-	
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	30.2	29.2	29.3	29.6	-	-	-	-	-	
80	<b>HEALTH SERVICES</b> .....	32.7	32.9	32.4	32.7	-	-	-	-	-	
801	Offices of physicians .....	31.4	32.0	30.9	30.9	-	-	-	-	-	
802	Offices of dentists .....	28.0	28.3	27.9	28.2	-	-	-	-	-	
805	Nursing and personal care facilities .....	31.6	31.7	31.6	32.1	-	-	-	-	-	
806	Hospitals .....	34.1	34.1	33.7	34.1	-	-	-	-	-	
81	<b>LEGAL SERVICES</b> .....	34.7	34.7	35.0	34.7	-	-	-	-	-	
89	<b>MISCELLANEOUS SERVICES</b> .....	39.0	38.9	38.8	39.0	-	-	-	-	-	
891	Engineering and architectural services .....	39.6	39.3	39.9	39.5	-	-	-	-	-	
893	Accounting, auditing, and bookkeeping .....	38.7	38.7	38.1	38.5	-	-	-	-	-	

# ESTABLISHMENT DATA HOURS AND EARNINGS

## C-3. Average hourly earnings excluding overtime of production workers on manufacturing payrolls by industry

Major industry group	Average hourly earnings excluding overtime <sup>1</sup>				
	Avg. 1983	Feb. 1983	Dec. 1983	Jan. 1984 <sup>p</sup>	Feb. 1984 <sup>p</sup>
<b>MANUFACTURING</b> .....	\$8.53	\$8.50	\$8.68	\$8.73	\$8.73
<b>DURABLE GOODS</b> .....	9.07	9.06	9.21	9.26	9.26
Lumber and wood products .....	7.50	7.48	7.51	7.58	-
Furniture and fixtures .....	6.44	6.37	6.53	6.57	-
Stone, clay, and glass products .....	8.84	8.75	8.96	9.00	-
Primary metal industries .....	10.92	11.20	10.85	10.86	-
Fabricated metal products .....	8.82	8.81	8.97	8.95	-
Machinery, except electrical .....	9.32	9.21	9.46	9.50	-
Electric and electronic equipment .....	8.40	8.36	8.50	8.57	-
Transportation equipment .....	11.16	11.08	11.43	11.44	-
Instruments and related products .....	8.33	8.32	8.43	8.48	-
Miscellaneous manufacturing industries .....	6.65	6.60	6.76	6.86	-
<b>NONDURABLE GOODS</b> .....	7.78	7.75	7.92	7.96	7.96
Food and kindred products .....	7.82	7.82	7.97	8.02	-
Tobacco manufactures .....	10.16	9.86	10.05	10.44	-
Textile mill products .....	5.92	5.90	6.03	6.13	-
Apparel and other textile products .....	5.28	5.25	5.36	5.42	-
Paper and allied products .....	9.42	9.23	9.66	9.68	-
Printing and publishing .....	8.82	8.74	8.95	8.98	-
Chemicals and allied products .....	10.20	10.07	10.47	10.47	-
Petroleum and coal products .....	12.70	12.72	12.96	12.79	-
Rubber and misc. plastics products .....	7.69	7.65	7.80	7.83	-
Leather and leather products .....	5.43	5.43	5.48	5.58	-

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

## C-4. Gross average weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry division, in current and constant (1977) dollars

Industry	Avg. 1983	Feb. 1983	Dec. 1983	Jan. 1984 <sup>p</sup>	Feb. 1984 <sup>p</sup>
<b>TOTAL PRIVATE:</b>					
Current dollars .....	\$280.35	\$270.86	\$289.68	\$288.75	\$289.22
Constant (1977) dollars .....	171.15	168.24	174.40	173.11	-
<b>MINING:</b>					
Current dollars .....	480.25	464.63	497.64	503.14	\$498.51
Constant (1977) dollars .....	293.19	288.59	299.60	302.91	-
<b>CONSTRUCTION:</b>					
Current dollars .....	441.86	424.80	441.97	437.42	\$440.22
Constant (1977) dollars .....	269.76	263.85	266.09	263.35	-
<b>MANUFACTURING:</b>					
Current dollars .....	354.48	339.50	373.27	368.15	\$369.96
Constant (1977) dollars .....	216.41	210.87	224.73	221.64	-
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>					
Current dollars .....	421.59	411.65	435.91	432.77	\$431.59
Constant (1977) dollars .....	257.38	255.68	262.44	259.45	-
<b>WHOLESALE AND RETAIL TRADE:</b>					
Current dollars .....	207.03	199.31	214.19	211.40	\$211.09
Constant (1977) dollars .....	126.39	123.80	128.95	127.27	-
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>					
Current dollars .....	264.26	260.64	268.97	276.67	\$274.40
Constant (1977) dollars .....	161.33	161.89	161.93	165.87	-
<b>SERVICES:</b>					
Current dollars .....	237.40	232.96	242.54	245.48	\$244.40
Constant (1977) dollars .....	144.93	144.70	146.02	147.79	-

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

p = preliminary.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-5. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry division and major manufacturing group**

(1977=100)

Industry division and group	Avq. 1983	Feb. 1983	Dec. 1983	Jan. 1984 P	Feb. 1984 P
	Hours				
<b>TOTAL PRIVATE</b> .....	105.7	99.1	110.4	106.4	106.8
<b>GOODS-PRODUCING</b> .....	92.3	83.3	97.7	94.5	95.6
<b>MINING</b> .....	114.4	108.5	120.7	120.6	120.0
<b>CONSTRUCTION</b> .....	102.2	80.0	104.5	94.1	94.8
<b>MANUFACTURING</b> .....	89.4	82.8	95.3	93.3	94.6
<b>DURABLE GOODS</b> .....	86.5	79.5	94.2	92.4	93.9
Lumber and wood products .....	92.0	79.4	95.0	91.8	92.9
Furniture and fixtures .....	94.6	84.4	104.9	99.9	101.5
Stone, clay, and glass products .....	82.6	71.3	85.1	80.4	82.4
Primary metal industries .....	66.6	61.1	72.8	72.5	73.6
Fabricated metal products .....	83.8	77.9	91.3	89.2	90.3
Machinery, except electrical .....	84.0	79.0	93.7	93.2	95.0
Electric and electronic equipment .....	100.8	93.2	110.8	109.7	111.1
Transportation equipment .....	86.0	79.1	95.6	94.1	95.9
Instruments and related products .....	102.6	99.3	106.7	106.0	106.2
Miscellaneous manufacturing industries .....	83.1	75.3	87.1	82.7	86.0
<b>NONDURABLE GOODS</b> .....	93.6	87.8	97.0	94.6	95.5
Food and kindred products .....	95.6	88.4	96.2	92.4	91.2
Tobacco manufactures .....	86.1	81.6	88.4	85.1	77.1
Textile mill products .....	81.0	74.9	84.5	82.6	83.1
Apparel and other textile products .....	89.1	83.7	92.2	90.4	93.6
Paper and allied products .....	94.5	89.1	98.9	97.0	97.6
Printing and publishing .....	108.8	104.8	114.3	110.8	111.8
Chemicals and allied products .....	95.2	92.9	97.7	96.1	97.0
Petroleum and coal products .....	92.6	90.1	88.9	86.8	87.8
Rubber and misc. plastics products .....	101.2	91.2	110.4	110.0	112.3
Leather and leather products .....	82.3	75.1	83.5	80.6	81.6
<b>SERVICE-PRODUCING</b> .....	113.1	107.8	117.5	113.1	113.0
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	59.0	96.6	103.0	100.0	99.9
<b>WHOLESALE AND RETAIL TRADE</b> .....	105.2	98.4	112.5	104.3	103.3
<b>WHOLESALE TRADE</b> .....	107.9	103.9	110.9	109.2	109.1
<b>RETAIL TRADE</b> .....	104.1	96.3	113.1	102.4	101.1
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	118.8	115.6	120.0	120.7	119.7
<b>SERVICES</b> .....	126.2	121.0	128.0	126.2	127.6

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

p = preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

## C-5. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry division and major manufacturing group—Continued

(1977=100)

Industry division and group	Aug. 1983	Feb. 1983	Dec. 1983	Jan. 1984P	Feb. 1984P
	Payrolls				
<b>TOTAL PRIVATE</b> .....	161.4	149.5	171.7	167.3	167.7
<b>GOODS-PRODUCING</b> .....	143.5	127.8	154.7	149.6	151.0
<b>MINING</b> .....	186.0	175.8	198.9	200.5	198.1
<b>CONSTRUCTION</b> .....	150.1	118.4	154.8	139.9	139.5
<b>MANUFACTURING</b> .....	139.2	127.6	152.1	149.4	151.5
<b>DURABLE GOODS</b> .....	134.3	122.0	149.7	147.2	149.7
Lumber and wood products .....	140.7	120.2	145.5	141.8	144.0
Furniture and fixtures .....	144.3	126.4	163.7	155.5	158.1
Stone, clay, and glass products .....	132.0	111.6	137.9	130.5	133.5
Primary metal industries .....	102.0	95.1	111.6	111.3	113.7
Fabricated metal products .....	129.7	119.2	145.1	141.1	142.8
Machinery, except electrical .....	129.2	119.2	148.5	147.7	150.8
Electric and electronic equipment .....	162.0	148.1	182.0	181.0	183.0
Transportation equipment .....	137.9	124.7	158.3	155.8	159.0
Instruments and related products .....	165.5	159.1	175.5	174.9	174.4
Miscellaneous manufacturing industries .....	129.8	116.2	139.2	133.6	138.6
<b>NONDURABLE GOODS</b> .....	148.0	137.3	156.4	153.2	154.5
Food and kindred products .....	145.4	133.4	149.1	144.1	142.8
Tobacco manufactures .....	160.3	146.7	162.4	162.5	150.0
Textile mill products .....	125.7	114.7	133.8	132.5	133.7
Apparel and other textile products .....	132.1	123.1	138.9	137.6	141.8
Paper and allied products .....	157.5	144.4	169.7	166.4	167.3
Printing and publishing .....	162.1	153.9	173.8	167.9	169.9
Chemicals and allied products .....	156.6	150.3	165.3	162.8	164.2
Petroleum and coal products .....	157.2	152.6	154.1	148.7	148.9
Rubber and misc. plastics products .....	157.0	139.4	174.7	174.5	178.7
Leather and leather products .....	126.2	114.6	129.7	127.1	128.4
<b>SERVICE-PRODUCING</b> .....	174.1	164.9	183.7	179.9	179.6
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	153.0	148.0	161.8	157.9	157.3
<b>WHOLESALE AND RETAIL TRADE</b> .....	159.5	148.3	172.1	163.2	161.3
<b>WHOLESALE TRADE</b> .....	168.3	159.6	177.0	175.6	174.6
<b>RETAIL TRADE</b> .....	154.8	142.3	169.5	156.5	154.2
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	190.7	183.7	196.2	201.6	199.8
<b>SERVICES</b> .....	197.0	187.2	204.7	204.1	206.1

**ESTABLISHMENT DATA  
SEASONALLY ADJUSTED HOURS**

**C-6. Average weekly hours of production or nonsupervisory workers<sup>1</sup> on private<sup>2</sup> nonagricultural payrolls  
by industry division and major manufacturing group, seasonally adjusted**

Industry	1983											1984	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. <sup>p</sup>	Feb. <sup>p</sup>
<b>TOTAL PRIVATE</b> .....	34.5	34.8	34.9	35.1	35.1	35.0	35.0	35.2	35.3	35.2	35.3	35.5	35.4
<b>MINING</b> .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
<b>CONSTRUCTION</b> .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
<b>MANUFACTURING</b> .....	39.2	39.5	40.1	40.0	40.1	40.2	40.3	40.8	40.6	40.6	40.5	41.0	41.0
<i>Overtime hours</i> .....	2.4	2.6	2.9	2.7	2.9	3.0	3.1	3.3	3.3	3.3	3.4	3.5	3.6
<b>DURABLE GOODS</b> .....	39.7	39.9	40.5	40.4	40.6	40.8	40.8	41.5	41.2	41.2	41.1	41.7	41.7
<i>Overtime hours</i> .....	2.3	2.5	2.8	2.6	2.8	3.0	3.1	3.4	3.4	3.5	3.5	3.7	3.7
Lumber and wood products .....	39.5	39.5	40.0	39.8	40.0	39.9	40.2	40.5	40.3	39.7	39.7	40.7	40.2
Furniture and fixtures .....	37.9	38.3	39.3	39.2	39.6	39.7	39.7	40.0	39.8	39.7	40.1	40.3	39.9
Stone, clay, and glass products .....	40.5	40.6	41.0	41.2	41.6	41.7	41.7	42.1	41.7	41.7	41.6	42.1	42.5
Fabricated metal industries .....	39.1	39.4	39.9	40.3	40.3	40.8	40.9	41.2	41.7	41.6	41.8	41.7	42.0
Primary metal products .....	39.6	39.7	40.5	40.4	40.5	40.7	40.9	41.6	41.2	41.4	41.4	41.8	41.8
Machinery, except electrical .....	39.4	39.7	40.2	40.0	40.4	40.7	40.7	41.2	41.3	41.3	41.4	41.9	42.1
Electric and electronic equipment .....	39.5	39.8	40.4	40.3	40.5	40.8	40.7	41.1	41.1	41.1	40.9	41.3	41.3
Transportation equipment .....	41.2	41.7	42.3	41.6	41.9	42.0	41.8	43.5	42.5	42.5	41.9	43.3	43.1
Instruments and related products .....	39.7	40.0	40.5	40.4	40.1	40.7	40.4	41.0	40.7	40.6	40.7	41.3	40.9
Miscellaneous manufacturing ind .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
<b>NONDURABLE GOODS</b> .....	38.5	39.0	39.5	39.4	39.6	39.5	39.5	39.9	39.7	39.7	39.7	40.0	40.1
<i>Overtime hours</i> .....	2.6	2.7	3.0	2.9	3.0	3.0	3.1	3.1	3.1	3.1	3.2	3.2	3.3
Food and kindred products .....	39.0	39.2	39.6	39.4	39.8	39.4	39.6	39.9	39.7	39.5	39.6	39.6	39.9
Tobacco manufactures .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Textile mill products .....	39.0	39.6	40.6	40.4	40.7	40.7	40.9	41.3	40.7	40.7	40.7	41.0	40.7
Apparel and other textile products .....	39.2	35.6	36.2	36.1	36.1	35.8	36.2	36.8	36.5	36.4	36.5	37.3	37.1
Paper and allied products .....	41.4	42.1	42.4	42.7	42.8	42.9	42.9	43.3	43.2	43.0	43.0	43.2	43.5
Printing and publishing .....	37.1	37.4	37.7	37.4	37.6	37.7	37.5	37.8	38.0	37.9	37.6	37.8	37.9
Chemicals and allied products .....	41.0	41.2	41.5	41.6	41.9	41.8	41.6	41.7	41.7	41.8	41.9	42.2	42.1
Petroleum and coal products .....	44.4	44.9	43.5	43.6	43.8	43.7	43.5	43.2	43.5	43.6	44.5	45.6	45.7
Rubber and misc. plastics products .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Leather and leather products .....	34.9	36.0	37.0	36.8	36.8	37.4	37.2	37.7	37.5	37.2	37.0	37.1	37.0
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	38.6	38.8	38.8	38.9	38.9	38.9	39.3	39.4	39.4	39.2	39.4	39.6	39.4
<b>WHOLESALE AND RETAIL TRADE</b> .....	31.4	31.7	31.7	31.9	32.0	31.9	31.8	31.8	32.1	32.0	32.4	32.2	32.1
<b>WHOLESALE TRADE</b> .....	38.2	38.4	38.5	38.6	38.7	38.6	38.5	38.7	38.7	38.7	38.7	38.8	38.8
<b>RETAIL TRADE</b> .....	29.3	29.7	29.6	29.9	29.9	29.8	29.7	29.7	30.0	30.0	30.4	30.1	30.0
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
<b>SERVICES</b> .....	32.5	32.7	32.7	32.9	32.7	32.6	32.7	32.8	32.9	32.7	32.6	32.8	32.6

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

<sup>2</sup> This series is not published seasonally adjusted since the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

p = preliminary.

# ESTABLISHMENT DATA SEASONALLY ADJUSTED

## C-7. Indexes of aggregate weekly hours of production or nonsupervisory workers' on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

(1977=100)

Industry division and group	1983											1984	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. <sup>P</sup>	Feb. <sup>P</sup>
<b>TOTAL PRIVATE</b> .....	102.2	103.1	104.0	105.0	105.7	106.1	105.3	107.5	108.1	108.3	108.9	110.1	110.2
<b>GOODS-PRODUCING</b> .....	87.2	87.8	89.6	90.5	91.8	93.0	93.5	95.1	95.6	96.3	96.8	99.4	100.1
<b>MINING</b> .....	111.6	110.7	109.5	110.3	112.5	114.0	115.0	117.0	118.5	118.1	118.9	122.6	122.7
<b>CONSTRUCTION</b> .....	94.7	94.3	96.3	99.6	102.0	103.5	104.5	106.0	103.9	105.2	105.6	112.5	113.2
<b>MANUFACTURING</b> .....	84.1	85.4	87.4	87.8	88.8	90.0	90.4	92.0	92.9	93.5	94.0	95.8	96.5
<b>DURABLE GOODS</b> .....	80.4	81.6	83.7	84.3	85.4	87.2	87.8	89.8	91.1	91.9	92.6	94.6	95.7
Lumber and wood products .....	83.1	85.1	88.0	89.2	92.2	93.5	95.6	97.0	98.0	97.0	97.2	99.5	98.4
Furniture and fixtures .....	84.7	87.9	92.0	93.1	94.8	97.2	97.0	98.0	99.1	100.1	101.7	103.0	103.1
Stone, clay, and glass products .....	76.6	78.1	80.0	81.3	82.5	83.4	84.5	85.7	85.9	86.1	85.5	87.1	89.6
Primary metal industries .....	61.0	62.2	63.7	65.1	65.2	67.0	67.6	68.9	71.6	72.1	73.4	72.4	73.8
Fabricated metal products .....	78.9	79.4	81.4	82.0	82.8	83.7	85.2	86.9	87.6	88.5	89.4	91.2	91.8
Machinery, except electrical .....	78.4	78.7	80.0	81.4	82.4	84.6	85.6	87.0	88.3	90.0	91.0	93.2	94.7
Electric and electronic equipment .....	93.2	95.2	97.6	98.0	99.6	101.6	101.1	104.7	106.5	108.0	108.2	110.6	112.2
Transportation equipment .....	80.1	81.0	83.7	82.9	84.2	86.8	86.9	89.9	91.1	92.0	92.5	96.9	97.7
Instruments and related products .....	59.1	100.6	101.9	101.7	100.4	101.9	102.2	105.0	105.1	105.1	104.8	107.4	107.2
Miscellaneous manufacturing ind .....	77.7	80.7	82.9	82.4	82.7	84.5	83.4	82.9	85.0	85.4	87.2	87.5	89.5
<b>NONDURABLE GOODS</b> .....	89.6	91.0	92.8	92.9	93.9	94.2	94.2	95.3	95.6	95.8	96.2	97.5	97.8
Food and kindred products .....	93.8	94.1	96.0	95.6	97.4	96.2	95.5	96.3	95.8	95.9	96.0	97.0	97.0
Tobacco manufactures .....	82.4	85.6	89.1	88.6	88.3	87.3	82.1	83.6	84.7	83.4	82.8	83.6	79.9
Textile mill products .....	75.4	77.6	80.1	80.1	81.8	81.8	83.1	83.9	83.4	83.5	83.7	85.1	84.1
Apparel and other textile products .....	85.0	85.5	87.6	87.7	88.1	89.0	89.6	91.2	91.7	92.1	92.9	95.4	94.9
Paper and allied products .....	90.4	92.1	93.1	94.4	94.6	95.4	95.0	96.5	96.8	96.6	97.4	98.0	99.5
Printing and publishing .....	105.6	106.5	108.1	107.5	108.7	109.0	108.9	109.8	111.3	111.8	110.9	112.0	112.4
Chemicals and allied products .....	53.6	93.7	94.7	94.7	95.5	95.8	95.1	95.5	95.9	96.2	96.8	97.5	97.9
Petroleum and coal products .....	96.2	97.6	94.6	93.3	92.9	92.7	91.5	90.1	89.9	89.4	90.4	91.0	93.7
Rubber and misc. plastics products .....	90.9	94.9	98.5	100.2	100.6	102.7	103.5	105.7	106.7	106.0	109.6	111.2	113.7
Leather and leather products .....	76.4	79.9	81.7	81.2	81.2	82.6	84.0	85.6	85.1	84.4	83.5	84.2	84.0
<b>SERVICE-PRODUCING</b> .....	110.5	111.6	111.9	113.0	113.3	113.4	111.8	114.4	115.1	114.9	115.6	115.9	115.9
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	98.6	99.1	99.6	99.9	99.9	99.7	85.0	102.0	101.8	101.1	101.7	102.6	101.9
<b>WHOLESALE AND RETAIL TRADE</b> .....	102.1	103.9	103.6	104.7	105.4	105.3	105.3	105.6	106.5	106.8	108.1	107.7	107.7
<b>WHOLESALE TRADE</b> .....	105.5	106.1	106.6	107.3	108.1	107.9	108.1	109.3	109.5	109.6	109.9	110.9	111.1
<b>RETAIL TRADE</b> .....	100.8	103.0	102.4	103.7	104.4	104.3	104.2	104.1	105.4	105.7	107.3	106.4	106.4
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	116.4	116.4	117.8	119.1	118.9	119.1	119.0	119.5	120.2	119.8	120.5	121.5	121.0
<b>SERVICES</b> .....	122.5	123.9	124.7	126.1	126.1	126.3	127.1	128.0	128.6	128.2	128.3	129.1	129.2

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

p = preliminary

**ESTABLISHMENT DATA  
SEASONALLY ADJUSTED**

**C-8. 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	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. <sup>p</sup>	Feb. <sup>p</sup>	
<b>Hourly Earnings Index<sup>2</sup> (1977=100)</b>														
TOTAL PRIVATE (In current dollars) . . . . .	153.4	153.4	154.0	154.6	154.8	155.2	155.0	155.9	156.8	156.9	157.6	158.2	158.2	
MINING . . . . .	165.1	164.0	165.7	165.0	166.4	167.6	167.3	168.3	168.7	169.8	170.1	170.7	169.9	
CONSTRUCTION . . . . .	145.7	145.5	145.9	144.5	144.6	144.0	144.1	145.5	145.1	144.6	145.2	145.9	145.5	
MANUFACTURING . . . . .	157.3	157.1	157.0	157.7	157.8	158.2	158.1	158.3	158.9	159.7	160.1	160.7	161.2	
TRANSPORTATION AND PUBLIC UTILITIES . . . . .	155.2	155.9	155.9	156.6	156.8	157.9	155.4	157.2	158.4	158.7	158.9	159.9	159.5	
WHOLESALE AND RETAIL TRADE . . . . .	149.3	149.6	150.5	151.2	151.6	152.2	152.3	153.1	154.1	154.1	154.8	155.0	154.7	
FINANCE, INSURANCE, AND REAL ESTATE . . . . .	157.4	156.7	157.4	159.0	158.2	159.1	158.2	159.8	162.1	161.0	162.0	165.1	165.0	
SERVICES . . . . .	152.4	152.6	154.0	154.9	155.5	155.6	155.9	157.1	158.4	158.1	159.2	159.6	159.5	
TOTAL PRIVATE (In 1977 dollars) <sup>4</sup> . . . . .	95.1	94.9	94.7	94.7	94.8	94.7	94.1	94.3	94.6	94.4	94.7	94.7	-	
<b>Average hourly earnings</b>														
TOTAL PRIVATE . . . . .	\$7.91	\$7.91	\$7.95	\$7.97	\$8.00	\$8.03	\$7.98	\$8.08	\$8.13	\$8.13	\$8.16	\$8.22	\$8.23	
MINING . . . . .	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	
CONSTRUCTION . . . . .	12.00	12.00	12.02	11.86	11.85	11.82	11.83	11.96	11.92	11.89	11.93	11.95	11.92	
MANUFACTURING . . . . .	8.76	8.75	8.78	8.79	8.82	8.85	8.84	8.87	8.94	9.00	9.01	9.05	9.10	
TRANSPORTATION AND PUBLIC UTILITIES . . . . .	10.70	10.77	10.76	10.82	10.83	10.88	10.64	10.82	10.90	10.92	10.94	11.01	10.99	
WHOLESALE AND RETAIL TRADE . . . . .	6.39	6.40	6.43	6.45	6.49	6.51	6.52	6.54	6.59	6.59	6.61	6.62	6.61	
FINANCE, INSURANCE, AND REAL ESTATE . . . . .	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	
SERVICES . . . . .	7.14	7.15	7.19	7.24	7.26	7.26	7.26	7.32	7.38	7.37	7.41	7.46	7.47	
<b>Average weekly earnings</b>														
TOTAL PRIVATE:														
Current dollars . . . . .	272.90	275.27	277.46	279.75	280.80	281.05	279.30	284.42	286.99	286.18	288.05	291.81	291.34	
1977 dollars <sup>3</sup> . . . . .	169.29	170.34	170.64	171.42	171.85	171.48	169.58	172.06	173.09	172.19	173.21	174.63	-	

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

<sup>2</sup> The index excludes effects of two types of changes that are unrelated to underlying wage-rate developments: Fluctuations in overtime premiums in manufacturing (the only sector for which overtime data are available) and the effects of changes in the proportion of workers in high-wage and low-wage industries.

<sup>3</sup> The unadjusted data are shown because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

<sup>4</sup> The deflator for these series is derived from the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W).

<sup>5</sup> See footnote 2, table C-6.

p=preliminary.

**C-9. Hours of wage and salary workers<sup>1</sup> in nonagricultural establishments by industry division**

Industry division	Millions of hours (Annual rate) <sup>2</sup>			Percent change		
	December 1983	January 1984	February 1984	Feb. 1983 to Feb. 1984	Dec. 1983 to Jan. 1984	Jan. 1984 to Feb. 1984
TOTAL . . . . .	171,381	173,305	173,531			
PRIVATE SECTOR . . . . .	140,075	141,854	141,989	6.1	1.1	0.1
MINING . . . . .	2,345	2,424	2,399	7.0	1.3	0.1
CONSTRUCTION . . . . .	7,755	8,350	8,330	9.1	3.4	-1.0
MANUFACTURING . . . . .	40,045	40,799	40,970	15.9	7.7	-0.2
DURABLE GOODS . . . . .	23,858	24,416	24,564	10.2	1.9	0.4
NONDURABLE GOODS . . . . .	16,187	16,383	16,406	12.9	2.3	0.6
TRANSPORTATION AND PUBLIC UTILITIES . . . . .	10,309	10,332	10,309	6.5	1.2	0.1
WHOLESALE AND RETAIL TRADE . . . . .	35,013	34,982	34,983	3.8	0.2	-0.2
FINANCE, INSURANCE, AND REAL ESTATE . . . . .	10,401	10,544	10,451	5.1	-0.1	0.0
SERVICES . . . . .	34,208	34,424	34,547	3.5	1.4	-0.9
GOVERNMENT . . . . .	31,305	31,451	31,543	5.4	0.6	0.4
				1.8	0.5	0.3

<sup>1</sup> Data refer to hours of all employees—production workers, nonsupervisory workers and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods*, BLS Bulletin 2134-1—Chapter 13, Productivity Measures: Business Economy and Major Sectors.

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



**PRODUCTIVITY  
SEASONALLY ADJUSTED**

**C-10. Indexes of output and compensation per hour, unit costs, and prices,  
business sector, seasonally adjusted**

(1977 = 100)

Item	Annual average		Quarterly indexes										
			1981			1982				1983			
	1982	1983	1981 II	1981 III	1981 IV	1982 I	1982 II	1982 III	1982 IV	1983 I	1983 II	1983 III	1983 IV
<b>BUSINESS SECTOR:</b>													
Output per hour of all persons .....	101.2	103.8	101.1	102.3	101.2	101.1	100.7	101.1	101.9	102.5	103.9	104.2	104.8
Output .....	106.7	111.0	109.8	111.2	108.9	107.2	106.9	106.6	106.0	107.1	110.4	112.4	113.9
Hours .....	105.4	106.9	108.6	108.7	107.7	106.0	106.2	105.4	104.0	104.5	106.2	107.9	108.7
Compensation per hour .....	155.1	163.1	142.2	145.5	148.2	151.6	153.9	156.5	158.7	160.7	162.1	163.6	r166.3
Real compensation per hour .....	97.4	99.2	r96.0	95.6	r95.8	97.1	r97.3	r97.2	r98.1	99.4	99.2	r99.0	r99.6
Unit labor costs .....	153.3	157.1	140.7	142.3	146.4	149.9	152.9	154.7	155.6	156.9	156.0	156.9	r158.7
Unit nonlabor payments .....	136.9	r145.8	133.4	139.9	140.2	137.0	137.0	136.3	137.4	140.8	145.7	147.6	r148.6
Implicit price deflator .....	147.7	r153.3	138.2	141.5	144.3	145.5	147.5	148.5	149.4	151.5	152.5	153.8	r155.3
<b>NONFARM BUSINESS SECTOR:</b>													
Output per hour of all persons .....	100.2	103.4	100.1	101.1	99.9	100.0	99.9	100.4	100.8	101.7	103.5	104.0	104.3
Output .....	106.3	110.9	109.4	110.5	108.2	106.5	106.7	106.5	105.4	106.7	110.2	112.5	114.2
Hours .....	106.0	107.3	109.2	109.4	108.2	106.5	106.8	106.0	104.6	104.9	106.5	108.2	109.5
Compensation per hour .....	154.7	r163.4	141.8	145.1	147.7	151.3	153.5	156.1	158.3	161.0	162.7	164.2	166.0
Real compensation per hour .....	97.1	99.4	r95.7	95.3	r95.5	96.9	r97.0	r97.0	r97.9	99.5	r99.5	r99.4	r99.4
Unit labor costs .....	154.4	158.1	141.6	143.5	147.8	151.3	153.6	155.4	157.1	158.3	157.2	157.8	159.2
Unit nonlabor payments .....	137.0	r146.2	132.2	138.3	139.5	136.4	137.7	136.5	137.2	140.7	145.7	148.3	r149.9
Implicit price deflator .....	148.6	r154.2	138.4	141.8	145.0	146.4	148.3	149.1	150.5	152.4	153.4	154.7	r156.1
<b>MANUFACTURING:</b>													
Output per hour of all persons .....	106.5	r113.4	105.4	106.1	104.4	105.1	105.3	107.8	108.1	110.2	112.6	115.9	r117.1
Output .....	99.1	r106.8	107.8	108.1	103.3	100.2	99.5	99.5	97.2	100.1	105.0	110.7	r113.5
Hours .....	93.0	94.2	102.2	101.9	98.9	95.4	94.5	92.3	89.9	90.9	93.3	95.5	96.9
Compensation per hour .....	158.2	167.1	144.3	147.0	150.5	155.1	157.1	159.6	161.4	165.5	166.4	167.5	r169.1
Real compensation per hour .....	99.3	101.6	r97.4	r96.6	r97.2	99.4	r99.3	99.1	r99.8	102.3	101.8	r101.4	r101.3
Unit labor costs .....	148.5	r147.3	136.9	138.5	144.1	147.6	149.1	148.1	149.3	150.2	147.8	144.5	r144.5
<b>DURABLE GOODS</b>													
Output per hour of all persons .....	105.4	r112.8	104.8	105.2	103.7	103.7	104.2	106.8	107.2	109.4	112.1	115.2	r116.6
Output .....	97.3	r104.9	108.8	108.9	103.3	99.3	98.3	97.6	94.0	97.4	102.8	109.1	r112.6
Hours .....	92.3	93.0	103.8	103.4	99.6	95.7	94.3	91.4	87.7	89.0	91.7	94.6	r96.5
Compensation per hour .....	157.9	166.7	144.4	146.9	150.6	154.7	156.7	159.5	161.0	165.4	166.1	167.2	r168.4
Real compensation per hour .....	99.1	101.4	97.5	96.5	r97.4	r99.0	r99.0	r99.1	r99.6	102.2	101.6	r101.2	r100.9
Unit labor costs .....	149.8	r147.8	137.8	139.6	145.3	149.1	150.4	149.4	150.3	151.1	148.1	145.1	r144.4
<b>NONDURABLE GOODS</b>													
Output per hour of all persons .....	108.2	r114.3	106.5	107.4	105.4	107.2	107.0	109.2	109.4	111.3	113.2	116.8	r117.7
Output .....	101.8	r109.7	106.3	107.0	103.2	101.7	101.3	102.3	101.9	104.1	108.4	113.1	r114.9
Hours .....	94.1	95.9	99.8	99.6	97.9	94.8	94.7	93.7	93.2	93.6	95.7	96.8	r97.6
Compensation per hour .....	159.2	r168.3	143.7	146.4	149.9	155.9	157.8	160.2	163.0	166.6	167.6	168.4	r170.6
Real compensation per hour .....	99.9	r102.4	r97.0	96.2	r96.9	r99.8	r99.7	r99.5	100.8	103.0	102.5	r102.0	r102.2
Unit labor costs .....	147.1	r147.2	135.0	136.3	142.1	145.4	147.5	146.7	149.0	149.8	148.1	144.2	r144.9
<b>NONFINANCIAL CORPORATIONS:</b>													
Output per all-employee hour .....	102.8	p106.1	102.1	103.0	102.2	102.4	102.3	103.2	103.4	104.3	105.9	107.0	N.A.
Output .....	107.8	p112.3	111.7	112.9	110.4	108.6	108.1	108.0	106.4	107.6	111.3	114.3	N.A.
Hours .....	104.8	p105.9	109.3	109.6	108.1	106.0	105.7	104.6	102.9	103.2	105.1	106.8	N.A.
Compensation per hour .....	154.8	p162.3	142.0	145.0	147.8	151.7	153.7	156.1	158.1	160.4	161.6	162.8	N.A.
Real compensation per hour .....	97.2	p98.7	r95.8	95.2	r95.5	r97.1	r97.1	96.9	r97.8	99.2	98.8	r98.6	N.A.
Total unit costs .....	153.5	p155.4	141.1	143.6	147.7	150.9	153.1	153.8	156.3	156.7	155.3	154.5	N.A.
Unit labor costs .....	150.6	p153.0	139.0	140.7	144.6	148.1	150.2	151.1	152.9	153.9	152.5	152.1	N.A.
Unit nonlabor costs .....	161.8	p162.3	147.0	151.9	156.6	158.9	161.2	161.3	165.9	164.7	163.1	161.2	N.A.
Unit profits .....	88.9	p120.3	100.3	108.6	104.2	90.8	90.3	91.2	83.0	96.1	115.0	131.5	N.A.
Implicit price deflator .....	146.1	p151.4	136.4	139.6	142.7	144.0	145.9	146.6	147.9	149.7	150.7	151.8	N.A.

p=preliminary.  
r=revised.

**PRODUCTIVITY  
SEASONALLY ADJUSTED**

**C-11. Percent changes from preceding quarter and year in productivity, hourly compensation, unit costs, and prices, business sector, seasonally adjusted at annual rate**

Item	Quarterly percent change						Annual percent change					
	1982 II to 1982 III	1982 III to 1982 IV	1982 IV to 1983 I	1983 I to 1983 II	1983 II to 1983 III	1983 III to 1983 IV	1981 III to 1982 III	1981 IV to 1982 IV	1982 I to 1983 I	1982 II to 1983 II	1982 III to 1983 III	1982 IV to 1983 IV
	<b>BUSINESS SECTOR:</b>											
Output per hour of all persons	1.7	3.3	2.0	5.9	1.2	2.2	-1.1	0.7	1.3	3.2	3.1	2.8
Output	-1.1	-2.3	4.2	12.7	7.8	r5.4	-4.1	-2.7	-0.1	3.2	5.5	r7.5
Hours	-2.7	-5.4	2.1	6.5	6.5	r3.1	-3.0	-3.4	-1.4	0.0	2.3	4.5
Compensation per hour	6.7	5.7	5.4	3.5	3.6	r7.0	7.5	7.1	6.1	5.3	4.5	r4.8
Real compensation per hour	r-0.4	r4.1	r5.0	r-0.8	r-0.6	r2.4	1.6	2.5	2.4	1.9	1.9	1.5
Unit labor costs	5.0	2.3	3.3	-2.2	2.3	r4.7	8.7	6.3	4.7	2.1	1.4	2.0
Unit nonlabor payments	-2.0	3.2	10.5	14.4	5.4	r2.8	-2.6	-2.0	2.8	6.3	8.3	r8.2
Implicit price deflator	2.7	2.6	5.5	2.8	3.3	r4.1	4.9	3.5	4.1	3.4	3.6	r3.9
<b>NONFARM BUSINESS SECTOR:</b>												
Output per hour of all persons	2.3	1.3	3.7	7.1	2.3	r0.9	-0.6	0.8	1.7	3.6	3.6	3.5
Output	-0.6	-4.1	4.9	13.7	8.9	6.0	-3.6	-2.6	0.2	3.3	5.7	8.3
Hours	-2.9	-5.3	1.2	6.2	6.4	r5.1	-3.0	-3.4	-1.5	-0.3	2.0	4.7
Compensation per hour	7.2	5.8	6.8	4.3	3.8	r4.4	7.6	7.2	6.4	6.0	5.2	r4.8
Real compensation per hour	r0.0	r4.1	r6.5	r0.0	r-0.3	r0.0	1.7	2.6	2.7	2.6	2.5	1.5
Unit labor costs	4.7	4.4	3.0	-2.6	1.5	3.5	8.3	6.3	4.6	2.3	1.5	1.3
Unit nonlabor payments	-3.4	2.0	10.6	15.2	7.3	r4.2	-1.3	-1.6	3.1	5.9	r8.6	r9.2
Implicit price deflator	2.2	3.7	5.3	2.7	3.3	r3.7	5.2	3.7	4.1	3.4	3.7	r3.7
<b>MANUFACTURING:</b>												
Output per hour of all persons	9.6	1.2	8.0	9.0	12.2	r4.2	1.6	3.5	4.8	6.9	7.5	r8.3
Output	0.0	-9.0	12.7	21.2	23.2	r10.6	-8.0	-5.9	-0.1	5.6	11.2	r16.8
Hours	-8.7	-10.0	4.3	11.1	9.8	6.1	-9.4	-9.1	-4.7	-1.2	3.5	7.8
Compensation per hour	6.5	4.5	10.7	2.1	2.7	r4.0	8.6	7.3	6.7	5.9	4.9	r4.8
Real compensation per hour	r-0.6	r2.9	r10.3	r-2.2	r-1.4	r-0.4	2.6	2.7	3.0	2.5	2.3	r1.5
Unit labor costs	-2.8	3.3	2.5	-6.4	-8.4	r-0.2	6.9	3.6	1.8	-0.9	-2.4	r-3.2
<b>DURABLE GOODS</b>												
Output per hour of all persons	10.4	1.4	8.7	10.3	11.5	r4.9	1.5	3.4	5.5	7.6	7.9	r8.8
Output	-2.5	-14.2	15.5	24.0	26.6	r13.5	-10.3	-9.0	-1.9	4.6	11.7	r19.8
Hours	-11.7	-15.4	6.3	12.4	13.5	r8.2	-1.1	-12.0	-7.0	-2.8	3.5	r10.1
Compensation per hour	7.4	3.8	11.3	1.6	2.8	r2.9	8.6	6.9	7.0	6.0	4.8	r4.6
Real compensation per hour	r0.2	r2.2	r11.0	r-2.6	r-1.3	r-1.5	2.6	2.3	3.2	r2.6	r2.2	1.2
Unit labor costs	-2.7	2.4	2.4	-7.9	-7.9	r-1.9	7.0	3.4	1.4	-1.5	-2.9	r-3.9
<b>NONDURABLE GOODS</b>												
Output per hour of all persons	8.4	0.7	7.1	7.3	13.2	r3.3	1.6	3.7	3.8	5.8	7.0	r7.7
Output	3.8	-1.2	8.8	17.3	18.6	r6.6	-4.4	-1.3	2.4	7.0	10.6	r12.7
Hours	-4.2	-1.9	1.7	9.3	4.7	r3.2	-6.0	-4.8	-1.3	1.1	3.4	r4.7
Compensation per hour	6.0	7.3	9.2	2.5	1.8	r5.3	9.4	8.8	6.9	6.2	5.1	r4.7
Real compensation per hour	r-1.1	r5.6	r8.8	r-1.7	r-2.2	r0.8	3.4	4.1	3.2	2.8	2.5	r1.3
Unit labor costs	-2.2	6.6	2.0	-4.5	-10.1	r2.0	7.6	4.9	3.0	0.4	-1.7	r-2.8
<b>NONFINANCIAL CORPORATIONS:</b>												
Output per all-employee hour	3.8	0.6	3.4	6.5	4.2	N.A.	0.2	1.2	1.8	3.6	3.7	N.A.
Output	-0.5	-6.0	4.6	14.6	11.1	N.A.	-4.3	-3.7	-1.0	2.9	5.8	N.A.
Hours	-4.1	-6.5	1.2	7.6	6.6	N.A.	-4.5	-4.8	-2.7	-0.6	2.1	N.A.
Compensation per hour	6.4	5.4	6.0	2.9	3.0	N.A.	7.6	7.0	5.8	5.2	4.3	N.A.
Real compensation per hour	r-0.8	r3.8	r5.6	r-1.4	r-1.1	N.A.	1.7	2.4	2.1	r1.8	1.7	N.A.
Total unit costs	1.8	6.7	1.0	-3.5	-2.1	N.A.	7.1	5.8	3.8	1.4	0.4	N.A.
Unit labor costs	2.4	4.8	2.5	-3.4	-1.1	N.A.	7.4	5.7	3.9	1.5	0.6	N.A.
Unit nonlabor costs	0.1	11.9	-2.8	-3.8	-4.7	N.A.	6.2	6.0	3.7	1.2	-0.1	N.A.
Unit profits	3.8	-31.4	79.9	104.7	71.0	N.A.	-16.1	-20.3	5.8	27.3	44.2	N.A.
Implicit price deflator	1.9	3.6	5.1	2.5	3.1	N.A.	5.0	3.6	4.0	3.3	3.6	N.A.

p=preliminary.  
r=revised.

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

**C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P
<b>ALABAMA</b> .....	\$295.50	\$321.57	\$320.25	39.4	41.6	40.9	\$7.50	\$7.73	\$7.83
Birmingham .....	331.96	330.79	324.82	38.9	41.4	40.4	7.91	7.99	8.04
Mobile .....	393.50	404.07	391.88	40.4	41.7	40.4	9.74	9.69	9.70
<b>ALASKA</b> .....	443.94	482.33	(*)	30.2	31.9	(*)	14.70	15.12	(*)
<b>ARIZONA</b> .....	346.81	378.48	371.16	39.5	42.1	40.3	8.78	8.99	9.21
<b>ARKANSAS</b> .....	271.26	294.11	297.52	39.2	40.4	40.7	6.92	7.28	7.31
Fayetteville—Springdale .....	245.55	275.06	287.22	39.1	41.3	42.3	6.28	6.66	6.79
Fort Smith .....	261.20	302.50	303.64	37.8	41.1	39.9	6.91	7.36	7.61
Little Rock—North Little Rock .....	318.37	347.75	346.94	39.5	41.3	41.6	8.06	8.42	8.34
Pine Bluff .....	370.64	386.57	386.26	41.0	41.3	41.4	9.04	9.36	9.33
<b>CALIFORNIA</b> .....	368.71	395.79	386.72	39.1	41.1	40.2	9.43	9.63	9.62
<b>COLORADO</b> .....	343.98	380.37	366.92	39.0	41.3	40.1	8.82	9.21	9.15
Denver—Boulder .....	358.02	398.82	384.06	39.0	41.5	40.3	9.18	9.61	9.53
<b>CONNECTICUT</b> .....	347.58	385.48	382.75	40.7	42.5	42.2	8.54	9.07	9.07
Bridgeport .....	363.45	405.83	393.54	40.7	42.9	41.6	8.93	9.46	9.46
Hartford .....	375.77	415.04	405.88	40.8	42.7	41.8	9.21	9.72	9.71
New Britain .....	362.44	386.98	373.22	41.0	41.7	40.7	8.84	9.28	9.17
New Haven—West Haven .....	323.98	369.82	356.60	38.8	41.0	39.8	8.35	9.02	8.96
Stamford .....	331.06	360.80	358.35	39.6	41.0	40.4	8.36	8.80	8.87
Waterbury .....	296.30	333.25	329.99	40.7	43.0	42.8	7.28	7.75	7.71
<b>DELAWARE</b> .....	353.70	386.74	369.84	39.3	41.9	40.2	9.00	9.23	9.20
Wilmington .....	405.08	454.74	431.33	39.1	42.9	40.5	10.36	10.60	10.65
<b>DISTRICT OF COLUMBIA:</b>									
Washington SMSA .....	356.82	399.59	(*)	37.6	39.8	(*)	9.49	10.04	(*)
<b>FLORIDA</b> .....	289.84	316.92	311.25	40.2	42.2	41.5	7.21	7.51	7.50
Fort Lauderdale—Hollywood .....	278.39	298.78	305.45	40.7	42.2	41.0	6.84	7.08	7.45
Jacksonville .....	308.50	337.41	321.96	39.2	41.4	40.6	7.87	8.15	7.93
Lakeland—Winter Haven .....	286.18	302.21	310.06	41.0	41.8	42.3	6.98	7.23	7.33
Miami .....	227.40	245.07	240.40	37.9	38.9	38.9	6.00	6.30	6.18
Orlando .....	314.00	327.83	330.24	41.7	42.3	43.0	7.53	7.75	7.68
Pensacola .....	354.87	404.09	384.48	41.7	44.7	43.2	8.51	9.04	8.90
Tampa—St. Petersburg .....	291.72	311.83	302.60	40.8	41.8	40.4	7.15	7.46	7.49
West Palm Beach—Boca Raton .....	320.58	331.70	338.12	41.1	42.8	42.8	7.80	7.75	7.90
<b>GEORGIA</b> .....	279.20	311.75	306.12	40.0	42.3	41.2	6.98	7.37	7.43
Atlanta .....	324.26	367.79	356.73	39.4	41.7	40.4	8.23	8.82	8.83
Savannah .....	374.82	424.59	415.34	41.6	44.6	43.4	9.01	9.52	9.57
<b>HAWAII</b> .....	323.79	321.79	333.41	38.5	38.4	38.5	8.41	8.38	8.66
Honolulu .....	322.06	328.10	336.42	37.8	38.6	38.1	8.52	8.50	8.83
<b>IDAHO</b> .....	315.06	339.09	343.33	35.6	37.1	37.4	8.85	9.14	9.18
Boise City .....	298.50	337.00	(*)	37.5	39.6	(*)	7.96	8.51	(*)
<b>ILLINOIS</b> .....	373.28	417.16	407.13	39.5	41.8	41.0	9.45	9.98	9.93
Bloomington—Normal .....	356.66	394.79	408.51	40.3	40.7	41.6	8.85	9.70	9.82
Champaign—Urbana—Rantoul .....	373.10	364.62	370.15	40.8	38.3	38.8	9.25	9.52	9.54
Chicago SMSA .....	361.38	409.08	401.96	38.9	41.7	41.1	9.29	9.81	9.78
Davenport—Rock Island—Moline .....	471.64	485.01	483.44	39.7	39.4	39.4	11.88	12.31	12.27
Decatur .....	436.23	536.52	524.61	37.9	40.8	40.2	11.51	13.15	13.05
Kankakee .....	317.16	331.96	321.92	40.3	39.1	38.6	7.87	8.49	8.34
Peoria .....	389.44	496.94	518.28	37.7	40.5	42.0	10.33	12.27	12.34
Rockford .....	371.20	427.98	424.01	39.7	43.1	42.7	9.35	9.93	9.93
Springfield .....	453.87	488.05	468.15	41.0	43.0	42.1	11.07	11.35	11.12
<b>INDIANA</b> .....	398.59	442.80	(*)	39.7	42.7	(*)	10.04	10.37	(*)
Gary—Hammond—East Chicago .....	519.84	(*)	(*)	38.0	(*)	(*)	13.68	(*)	(*)
Indianapolis .....	393.78	(*)	(*)	40.1	(*)	(*)	9.82	(*)	(*)
<b>IOWA</b> .....	392.21	413.10	414.12	39.3	40.5	40.6	9.98	10.20	10.20
Cedar Rapids .....	397.98	438.37	443.52	39.6	41.2	42.2	10.05	10.64	10.51
Des Moines .....	427.01	498.97	497.33	38.4	41.0	41.0	11.12	12.17	12.13

See footnotes at end of table.

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

**C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P
<b>IOWA—Continued</b>									
Dubuque .....	\$366.66	\$396.03	\$412.09	38.8	36.3	36.5	\$9.45	\$10.91	\$11.29
Sioux City .....	391.15	297.35	299.97	41.7	34.9	34.4	9.38	8.52	8.72
Waterloo—Cedar Falls .....	482.50	533.66	522.45	38.6	40.8	40.5	12.50	13.08	12.90
<b>KANSAS</b>									
Topeka .....	345.27	381.44	377.78	37.9	39.9	39.6	9.11	9.56	9.54
Wichita .....	314.64	364.94	375.01	34.5	38.7	39.6	9.12	9.43	9.47
Wichita .....	394.30	432.37	430.03	40.4	41.1	40.8	9.76	10.52	10.54
<b>KENTUCKY</b>									
Lexington—Fayette .....	334.23	366.68	357.50	39.0	39.9	39.2	8.57	9.19	9.12
Lexington—Fayette .....	357.82	397.44	382.97	38.6	41.1	39.4	9.27	9.67	9.72
Louisville .....	388.08	430.15	423.39	39.2	41.4	40.4	9.90	10.39	10.48
<b>LOUISIANA</b>									
Baton Rouge .....	391.41	402.12	417.31	40.9	40.7	41.4	9.57	9.88	10.08
Baton Rouge .....	467.98	498.74	496.50	40.8	42.7	42.4	11.47	11.68	11.71
New Orleans .....	367.84	362.94	369.89	40.6	38.9	39.1	9.06	9.33	9.46
Shreveport .....	360.08	407.54	406.71	39.7	41.0	41.8	9.07	9.94	9.73
<b>MAINE</b>									
Lewiston—Auburn .....	300.05	314.31	(*)	39.9	40.4	(*)	7.52	7.78	(*)
Lewiston—Auburn .....	232.70	251.62	(*)	38.4	39.5	(*)	6.06	6.37	(*)
Portland .....	284.25	299.14	(*)	37.9	38.4	(*)	7.50	7.79	(*)
<b>MARYLAND</b>									
Baltimore .....	353.07	379.55	372.77	39.1	41.3	40.3	9.03	9.19	9.25
Baltimore .....	381.44	408.85	394.94	39.9	42.5	40.8	9.56	9.62	9.68
<b>MASSACHUSETTS</b>									
Boston .....	307.72	339.49	329.43	39.3	41.3	39.5	7.83	8.22	8.34
Boston .....	332.28	366.20	352.41	39.0	41.1	39.2	8.52	8.91	8.99
Brockton .....	241.50	262.00	249.29	37.5	40.0	37.6	6.44	6.55	6.63
Fall River .....	212.44	244.12	236.90	34.6	36.6	35.2	6.14	6.67	6.73
Lawrence—Haverhill .....	308.50	353.14	350.20	39.2	41.4	41.2	7.87	8.53	8.50
Lowell .....	271.93	317.12	301.84	38.3	41.4	39.2	7.10	7.66	7.70
New Bedford .....	258.22	287.68	273.79	37.1	39.3	37.2	6.96	7.32	7.36
Springfield—Chicopee—Holyoke .....	318.76	352.80	344.38	40.4	42.1	40.9	7.89	8.38	8.42
Worcester .....	319.51	360.73	344.99	39.3	41.8	39.7	8.13	8.63	8.69
<b>MICHIGAN</b>									
Ann Arbor .....	468.59	524.35	529.41	41.1	43.8	44.0	11.40	11.98	12.04
Ann Arbor .....	487.87	553.78	590.66	42.7	45.0	47.3	11.42	12.31	12.48
Battle Creek .....	447.77	514.92	540.03	39.5	42.2	43.3	11.33	12.20	12.48
Bay City .....	407.98	449.50	427.24	41.9	43.3	41.6	9.75	10.38	10.26
Detroit .....	495.80	569.62	561.56	41.3	44.4	44.0	12.02	12.82	12.76
Flint .....	544.83	649.94	632.59	41.2	47.6	46.2	13.23	13.65	13.70
Grand Rapids .....	381.51	451.45	443.53	39.7	43.2	43.0	9.61	10.45	10.31
Jackson .....	388.29	426.62	440.99	40.6	42.5	43.5	9.56	10.03	10.14
Kalamazoo—Portage .....	433.02	495.37	494.90	40.9	43.4	43.1	10.59	11.40	11.48
Lansing—East Lansing .....	575.32	510.64	661.00	44.0	39.4	47.6	13.07	12.95	13.90
Muskegon—Norton Shores—Muskegon Heights .....	398.68	465.61	459.83	39.5	42.6	41.5	10.10	10.93	11.09
Saginaw .....	536.01	614.17	657.17	40.5	44.0	45.7	13.23	13.96	14.39
<b>MINNESOTA</b>									
Duluth—Superior .....	369.03	395.85	398.78	39.3	40.6	40.9	9.39	9.75	9.75
Duluth—Superior .....	365.38	405.34	403.52	38.1	38.9	38.8	9.59	10.42	10.40
Minneapolis—St. Paul .....	386.12	426.01	421.89	39.2	41.2	41.2	9.85	10.34	10.24
St. Cloud .....	303.77	319.06	314.27	37.0	36.8	36.5	8.21	8.67	8.61
<b>MISSISSIPPI</b>									
Jackson .....	256.62	288.70	279.16	39.0	41.6	40.4	6.58	6.94	6.91
Jackson .....	287.78	327.60	315.17	39.1	42.0	40.2	7.36	7.80	7.84
<b>MISSOURI</b>									
Kansas City .....	338.82	373.42	372.41	38.9	40.9	40.7	8.71	9.13	9.15
Kansas City .....	389.46	427.87	418.40	39.7	41.5	41.1	9.81	10.31	10.18
St. Joseph .....	306.27	341.88	352.51	36.9	40.7	40.8	8.30	8.40	8.64
St. Louis .....	389.26	446.02	434.92	39.2	42.6	41.5	9.93	10.47	10.48
Springfield .....	308.83	325.21	325.54	39.9	40.1	39.7	7.74	8.11	8.20
<b>MONTANA</b>									
.....	416.16	427.73	428.67	40.8	40.2	40.1	10.20	10.64	10.69
<b>NEBRASKA</b>									
Lincoln .....	354.00	363.45	356.89	40.0	40.7	40.1	8.85	8.93	8.90
Lincoln .....	327.84	381.41	373.73	37.9	41.1	40.1	8.65	9.28	9.32
Omaha .....	354.76	382.03	376.36	39.2	41.3	40.6	9.05	9.25	9.27
<b>NEVADA</b>									
Las Vegas .....	332.64	366.62	353.02	37.8	40.6	39.4	8.80	9.03	8.96
Las Vegas .....	416.19	448.94	433.35	39.3	40.3	38.9	10.59	11.14	11.14

See footnotes at end of table.

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

**C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P
<b>NEW HAMPSHIRE</b> .....	\$287.28	\$315.05	\$307.13	39.9	41.4	40.2	\$7.20	\$7.61	\$7.64
Manchester .....	280.59	295.80	284.13	39.8	40.3	38.5	7.05	7.34	7.38
Nashua .....	339.42	380.28	369.64	40.6	42.3	41.3	8.36	8.99	8.95
<b>NEW JERSEY</b> .....	363.81	392.29	386.78	40.2	41.6	40.8	9.05	9.43	9.48
Atlantic City .....	297.48	(*)	(*)	40.2	(*)	(*)	7.40	(*)	(*)
Camden <sup>2</sup> .....	377.62	398.12	(*)	39.5	40.5	(*)	9.56	9.83	(*)
Hackensack <sup>3</sup> .....	315.93	346.11	(*)	39.1	41.6	(*)	8.08	8.32	(*)
Jersey City <sup>2</sup> .....	342.45	(*)	(*)	40.1	(*)	(*)	8.54	(*)	(*)
New Brunswick—Perth Amboy—Sayreville <sup>2</sup> .....	398.59	(*)	(*)	39.7	(*)	(*)	10.04	(*)	(*)
Newark <sup>2</sup> .....	372.37	399.19	(*)	40.3	41.8	(*)	9.24	9.55	(*)
Paterson—Clifton—Passaic <sup>3</sup> .....	347.33	(*)	(*)	40.2	(*)	(*)	8.64	(*)	(*)
Trenton .....	356.89	(*)	(*)	40.1	(*)	(*)	8.90	(*)	(*)
<b>NEW MEXICO</b> .....	305.96	308.80	297.61	40.1	40.0	38.5	7.63	7.72	7.73
Albuquerque .....	302.76	297.88	278.23	40.1	40.2	37.7	7.55	7.41	7.38
<b>NEW YORK</b> .....	334.66	366.73	361.82	38.6	40.3	39.5	8.67	9.10	9.16
Albany—Schenectady—Troy .....	353.63	382.75	366.28	39.6	41.2	39.9	8.93	9.29	9.18
Binghamton .....	308.74	334.55	329.67	40.2	41.1	40.5	7.68	8.14	8.14
Buffalo .....	435.24	482.64	479.65	40.3	42.3	41.6	10.80	11.41	11.53
Elmira .....	345.05	358.83	353.76	39.3	40.5	40.2	8.78	8.86	8.80
Monroe County <sup>2</sup> .....	461.77	517.63	503.53	40.4	43.1	42.6	11.43	12.01	11.82
Nassau—Suffolk <sup>2</sup> .....	326.54	368.10	353.53	39.2	40.9	39.5	8.33	9.00	8.95
New York—Northeastern New Jersey .....	321.18	(*)	(*)	38.1	(*)	(*)	8.43	(*)	(*)
New York and Nassau—Suffolk <sup>2</sup> .....	298.28	324.10	317.25	37.1	38.4	37.5	8.04	8.44	8.46
New York SMSA <sup>4</sup> .....	289.02	310.20	305.90	36.4	37.6	36.9	7.94	8.25	8.29
New York City <sup>5</sup> .....	283.75	303.62	299.02	36.1	37.3	36.6	7.86	8.14	8.17
Poughkeepsie .....	365.50	382.24	377.56	42.5	42.9	43.1	8.60	8.91	8.76
Rochester .....	437.53	469.37	467.31	40.4	42.4	42.1	10.83	11.07	11.10
Rockland County <sup>6</sup> .....	337.95	380.83	382.85	39.9	40.6	40.3	8.47	9.38	9.50
Syracuse .....	373.33	431.96	428.40	40.1	42.6	42.0	9.31	10.14	10.20
Utica—Rome .....	314.36	358.66	351.95	39.1	41.9	41.7	8.04	8.56	8.44
Westchester County <sup>6</sup> .....	320.26	347.60	342.77	37.9	39.1	38.6	8.45	8.89	8.88
<b>NORTH CAROLINA</b> .....	252.01	279.35	272.84	38.3	40.9	39.6	6.58	6.83	6.89
Asheville .....	245.63	274.44	269.39	38.2	40.9	39.5	6.43	6.71	6.82
Charlotte—Gastonia .....	261.89	288.15	277.03	39.5	42.5	40.8	6.63	6.78	6.79
Greensboro—Winston-Salem—High Point .....	271.13	298.85	292.20	37.5	39.9	38.6	7.23	7.49	7.57
Raleigh—Durham .....	298.37	342.24	336.58	38.8	42.2	41.4	7.69	8.11	8.13
<b>NORTH DAKOTA</b> .....	286.15	301.07	299.09	37.8	38.5	38.1	7.57	7.82	7.85
Fargo—Moorhead .....	292.16	314.93	319.71	38.8	38.5	38.8	7.53	8.18	8.24
<b>OHIO</b> .....	415.09	463.52	461.78	40.3	42.8	42.6	10.30	10.83	10.84
Akron .....	433.93	500.96	479.33	42.5	45.5	44.3	10.21	11.01	10.82
Canton .....	408.67	443.90	442.95	38.7	40.8	40.6	10.56	10.88	10.91
Cincinnati .....	397.94	436.30	436.39	40.4	42.4	41.8	9.85	10.29	10.44
Cleveland .....	409.54	451.76	451.31	39.8	42.3	42.1	10.29	10.68	10.72
Columbus .....	383.84	437.81	427.66	39.9	42.3	41.4	9.62	10.35	10.33
Dayton .....	406.40	487.73	477.36	40.0	43.9	43.2	10.16	11.11	11.05
Toledo .....	460.65	514.87	493.62	41.5	44.5	43.3	11.10	11.57	11.40
Youngstown—Warren .....	481.20	547.78	577.02	40.1	43.2	44.8	12.00	12.68	12.88
<b>OKLAHOMA</b> .....	360.10	395.65	389.05	40.1	41.3	41.3	8.98	9.58	9.42
Oklahoma City .....	378.00	417.13	405.41	40.0	41.3	40.5	9.45	10.10	10.01
Tulsa .....	382.20	422.92	402.90	39.0	41.1	39.5	9.80	10.29	10.20
<b>OREGON</b> .....	392.43	406.21	411.47	38.1	39.4	39.3	10.30	10.31	10.47
Eugene—Springfield .....	415.79	428.04	432.23	39.3	41.0	40.7	10.58	10.44	10.62
Medford .....	370.74	382.86	387.03	38.3	40.6	40.4	9.68	9.43	9.58
Portland .....	399.25	422.60	421.48	38.5	41.8	39.8	10.37	10.11	10.59
Salem .....	346.29	365.94	364.13	35.7	38.0	37.5	9.70	9.63	9.71
<b>PENNSYLVANIA</b> .....	338.57	371.45	367.09	38.3	40.2	39.6	8.84	9.24	9.27
Allentown—Bethlehem—Easton .....	327.00	366.10	371.50	37.5	38.7	38.9	8.72	9.46	9.55
Altoona .....	285.72	299.67	300.85	37.3	37.6	37.7	7.66	7.97	7.98
Delaware Valley <sup>7</sup> .....	354.43	390.46	375.75	38.4	40.8	39.1	9.23	9.57	9.61
Erie .....	362.60	412.15	406.02	39.2	41.8	41.6	9.25	9.86	9.76
Harrisburg .....	328.95	353.03	369.22	38.7	39.8	41.3	8.50	8.87	8.94
Johnstown .....	281.06	309.58	317.63	33.7	37.8	37.5	8.34	8.19	8.47

See footnotes at end of table.

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

**C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P
<b>PENNSYLVANIA—Continued</b>									
Lancaster .....	\$319.02	\$350.92	\$348.60	39.0	40.9	40.3	\$8.18	\$8.58	\$8.65
Northeast Pennsylvania .....	263.49	286.90	287.27	36.8	38.0	37.7	7.16	7.55	7.62
Philadelphia SMSA .....	357.98	389.91	(*)	38.7	40.7	(*)	9.25	9.58	(*)
Pittsburgh .....	414.35	448.39	443.70	37.6	40.8	40.3	11.02	10.99	11.01
Reading .....	316.91	374.14	387.50	38.6	40.8	41.4	8.21	9.17	9.36
Williamsport .....	314.20	316.57	318.24	38.6	38.7	39.0	8.14	8.18	8.16
York .....	313.18	356.16	349.02	40.1	42.4	41.6	7.81	8.40	8.39
<b>RHODE ISLAND</b>									
Providence—Warwick—Pawtucket .....	263.55	285.31	274.40	38.7	40.7	39.2	6.81	7.01	7.00
.....	258.52	282.46	267.08	38.7	40.7	38.1	6.68	6.94	7.01
<b>SOUTH CAROLINA</b>									
.....	271.66	300.54	294.38	39.6	41.8	41.0	6.86	7.19	7.18
Charleston—North Charleston .....	328.78	368.94	371.94	39.9	42.9	43.4	8.24	8.60	8.57
Columbia .....	253.37	289.46	279.60	39.1	41.0	40.0	6.48	7.06	6.99
Greenville—Spartanburg .....	262.68	287.02	282.86	39.5	41.9	40.7	6.65	6.85	6.95
<b>SOUTH DAKOTA</b>									
.....	298.80	293.51	283.32	40.0	42.6	41.3	7.47	6.89	6.86
Sioux Falls .....	360.53	304.88	300.14	43.7	45.1	44.4	8.25	6.76	6.76
<b>TENNESSEE</b>									
.....	292.59	314.00	311.25	39.7	41.1	40.9	7.37	7.64	7.61
Chattanooga .....	291.40	300.96	301.17	41.1	41.8	41.2	7.09	7.20	7.31
Knoxville .....	343.40	366.79	368.06	39.7	40.8	42.6	8.65	8.99	8.64
Memphis .....	313.13	337.74	330.48	40.3	41.8	40.5	7.77	8.08	8.16
Nashville—Davidson .....	326.40	346.51	372.69	40.0	41.3	41.0	8.16	8.39	9.09
<b>TEXAS</b>									
.....	351.42	379.61	377.45	40.3	41.9	41.8	8.72	9.06	9.03
Dallas—Fort Worth .....	347.60	373.69	375.06	40.0	41.8	42.0	8.69	8.94	8.93
Houston .....	431.17	473.06	468.07	40.6	43.4	43.1	10.62	10.90	10.86
San Antonio .....	263.97	273.98	268.94	40.3	41.2	40.2	6.55	6.65	6.69
<b>UTAH</b>									
.....	335.23	361.38	360.93	38.4	41.3	40.6	8.73	8.75	8.89
Salt Lake City—Ogden .....	345.72	356.97	356.34	40.2	41.8	41.1	8.60	8.54	8.67
<b>VERMONT</b>									
.....	301.75	324.62	316.78	39.6	41.3	40.2	7.62	7.86	7.88
Burlington .....	355.31	376.26	387.64	41.9	43.1	44.0	8.48	8.73	8.81
Springfield .....	315.61	341.48	339.95	39.9	42.9	42.6	7.91	7.96	7.98
<b>VIRGINIA</b>									
.....	297.20	321.98	320.39	38.9	40.5	39.8	7.64	7.95	8.05
Bristol .....	246.24	266.74	265.49	38.9	39.4	39.1	6.33	6.77	6.79
Lynchburg .....	261.30	287.23	289.86	36.7	38.4	38.7	7.12	7.48	7.49
Norfolk—Virginia Beach—Portsmouth .....	327.47	375.35	357.85	41.4	43.9	42.1	7.91	8.55	8.50
Northern Virginia <sup>a</sup> .....	330.42	356.87	349.44	40.1	40.6	39.8	8.24	8.79	8.78
Petersburg—Colonial Heights—Hopewell .....	384.64	413.88	403.69	39.9	40.3	39.5	9.64	10.27	10.22
Richmond .....	394.39	414.63	409.14	39.4	40.1	39.8	10.01	10.34	10.28
Roanoke .....	277.30	305.73	285.36	40.6	42.7	41.0	6.83	7.16	6.96
<b>WASHINGTON</b>									
.....	440.83	457.02	(*)	38.4	39.5	(*)	11.48	11.57	(*)
<b>WEST VIRGINIA</b>									
.....	376.66	401.64	392.69	39.4	40.9	40.4	9.56	9.82	9.72
Charleston .....	443.50	510.71	506.43	41.8	43.8	43.1	10.61	11.66	11.75
Huntington—Ashland .....	596.36	451.36	438.20	36.0	40.7	39.3	11.01	11.09	11.15
Parkersburg—Marietta .....	431.32	444.29	452.48	41.0	41.1	40.4	10.52	10.81	11.20
Wheeling .....	417.30	482.04	437.60	39.0	41.2	40.0	10.70	11.70	10.94
<b>WISCONSIN</b>									
.....	384.49	424.51	423.49	39.8	41.7	41.6	9.66	10.18	10.18
Appleton—Oshkosh .....	385.54	422.92	419.79	41.8	43.6	43.1	9.23	9.70	9.74
Eau Claire .....	370.92	398.54	410.86	40.2	41.3	42.4	9.23	9.65	9.69
Green Bay .....	411.08	448.38	439.07	40.7	42.3	41.5	10.11	10.60	10.58
Janesville—Beloit .....	399.71	522.14	526.12	40.7	44.4	44.7	9.82	11.76	11.77
Kenosha .....	457.39	507.49	469.13	39.8	41.7	40.2	11.49	12.17	11.67
La Crosse .....	334.64	355.04	340.86	38.8	40.3	39.0	8.62	8.81	8.74
Madison .....	370.89	353.51	372.27	39.2	38.3	39.9	9.46	9.23	9.33
Milwaukee .....	425.30	474.47	474.31	39.8	42.1	41.9	10.69	11.27	11.32
Racine .....	379.92	438.27	426.42	39.2	41.9	41.2	9.70	10.46	10.35
<b>WYOMING</b>									
.....	307.44	322.36	347.77	36.6	39.7	38.9	8.40	8.12	8.94

See footnotes at end of table.

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

**C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P	JAN. 1983	DEC. 1983	JAN. 1984P
<b>VIRGIN ISLANDS</b> .....	450.02	459.23	456.60	42.9	42.6	42.2	10.49	10.78	10.82

<sup>1</sup> Area included in Chicago—Gary Standard Consolidated Statistical Area.  
<sup>2</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.  
<sup>3</sup> Subarea of New York—Northeastern New Jersey.  
<sup>4</sup> Subarea of Rochester Standard Metropolitan Statistical Area.  
<sup>5</sup> Area included in New York and Nassau—Suffolk combined SMSA's.  
<sup>6</sup> Subarea of New York Standard Metropolitan Statistical Area.  
<sup>7</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.  
<sup>8</sup> Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.

p = preliminary.  
 \*Not available.

NOTE: All State and area data have been adjusted to March 1983 benchmarks except Washington SMSA, D.C.; Gary—Hammond—East Chicago and Indianapolis, Indiana; Massachusetts; New Jersey; New York—Northeastern New Jersey; New York; Pennsylvania; Rhode Island; and Wisconsin. Data for the States and areas listed above are adjusted to March 1982 benchmarks except for Wisconsin data which have been adjusted to December 1982 benchmarks.

SOURCE: Cooperating State agencies listed on inside back cover.

# STATE AND AREA UNEMPLOYMENT DATA

## D-1. Labor force and unemployment by State and selected metropolitan areas

(Numbers in thousands)

State and area	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	Jan. 1983	Dec. 1983	Jan. 1984P	Jan. 1983	Dec. 1983	Jan. 1984P	Jan. 1983	Dec. 1983	Jan. 1984P
<b>ALABAMA</b>	1,725.8	1,732.8	1,752.7	286.8	197.0	236.3	16.6	11.4	13.5
Birmingham	392.2	385.8	389.8	64.0	41.7	48.1	16.3	10.8	12.3
Huntsville	152.9	159.7	162.1	19.6	13.7	17.6	12.8	8.6	10.8
Mobile	191.6	192.7	196.9	31.9	24.5	30.3	16.7	12.7	15.4
Montgomery	124.7	128.5	128.6	16.3	12.0	13.9	13.1	9.3	10.8
Tuscaloosa	56.3	56.4	56.6	8.1	5.8	6.7	14.3	10.3	11.9
<b>ALASKA</b>	208.0	224.1	219.4	26.8	24.5	29.1	12.9	10.9	13.3
<b>ARIZONA</b>	1,348.8	1,406.5	1,398.9	146.9	95.1	88.6	10.9	6.8	6.3
Phoenix	828.4	881.5	878.9	72.1	46.6	43.4	8.7	5.3	4.9
Tucson	251.8	261.2	259.7	27.8	16.6	15.4	11.0	6.4	5.9
<b>ARKANSAS</b>	994.0	1,003.8	1,009.2	128.5	86.8	108.4	12.9	8.6	10.7
Fayetteville-Springdale	82.6	87.2	85.3	7.9	5.4	7.0	9.6	6.2	8.2
Fort Smith <sup>1</sup>	88.6	90.1	90.9	11.9	7.5	8.9	13.4	8.3	9.8
Little Rock—North Little Rock	195.6	198.8	199.2	18.6	12.7	16.1	9.5	6.4	8.1
Pine Bluff	37.0	37.2	37.0	4.7	3.0	3.4	12.8	8.0	9.2
<b>CALIFORNIA<sup>2</sup></b>	12,237.0	12,400.3	12,357.2	1,434.0	992.8	1,131.5	11.7	8.0	9.2
Anaheim—Santa Ana—Garden Grove	1,215.3	1,236.9	1,232.4	104.4	61.5	67.2	8.6	5.0	5.5
Bakersfield	214.1	220.6	218.2	31.6	28.1	28.8	14.7	12.8	13.2
Fresno	288.6	294.0	287.6	48.9	39.9	44.0	17.0	13.6	15.3
Los Angeles—Long Beach <sup>2</sup>	3,745.0	3,820.0	3,789.0	411.0	269.0	318.0	11.0	7.0	8.4
Modesto	137.2	138.1	137.8	30.3	23.5	26.9	22.1	17.0	19.5
Oxnard—Simi Valley—Ventura	268.3	267.5	267.9	31.3	24.0	24.0	11.7	9.0	9.0
Riverside—San Bernardino—Ontario	651.1	646.9	652.1	86.3	59.9	66.6	13.3	9.3	10.2
Sacramento	524.3	534.3	535.3	66.9	48.8	56.2	12.8	9.1	10.5
Salinas—Seaside—Monterey	144.1	146.9	145.7	25.6	20.1	22.5	17.7	13.7	15.4
San Diego	849.8	865.9	864.9	89.4	57.7	65.1	10.5	6.7	7.5
San Francisco—Oakland	1,769.1	1,770.5	1,766.2	172.8	113.5	132.7	9.8	6.4	7.5
San Jose	843.5	860.9	859.9	76.7	48.3	54.7	9.1	5.6	6.4
Santa Barbara—Santa Maria—Lompoc	162.1	164.9	163.9	15.7	11.4	12.2	9.7	6.9	7.5
Santa Rosa	150.3	151.5	151.1	17.7	11.3	13.4	11.8	7.5	8.9
Stockton	174.6	172.4	174.9	34.1	26.9	30.8	19.5	15.6	17.6
Vallejo—Fairfield—Napa	142.7	142.5	144.0	19.3	13.9	16.8	13.5	9.8	11.6
<b>COLORADO</b>	1,598.8	1,673.8	1,653.8	133.9	96.2	100.0	8.4	5.7	6.0
Denver—Boulder	955.0	1,005.4	996.2	66.6	49.0	50.6	7.0	4.9	5.1
<b>CONNECTICUT</b>	1,584.2	1,627.3	1,594.0	128.6	79.9	84.2	8.1	4.9	5.3
Bridgeport	190.8	192.4	188.2	18.0	9.8	11.3	9.4	5.1	6.0
Hartford	384.1	392.2	386.6	27.3	18.8	18.6	7.1	4.8	4.8
New Britain	71.0	70.5	69.5	6.6	3.9	4.7	9.4	5.5	6.8
New Haven—West Haven	197.2	203.0	201.7	16.3	10.7	11.4	8.3	5.3	5.7
Stamford	122.2	125.8	124.0	6.1	4.5	4.3	5.0	3.6	3.4
Waterbury	104.8	105.9	103.3	11.6	6.1	6.4	11.0	5.7	6.2
<b>DELAWARE</b>	291.7	296.5	295.5	27.9	20.4	24.5	9.6	6.9	8.3
Wilmington <sup>1</sup>	260.0	265.2	261.8	24.6	18.2	19.1	9.5	6.9	7.3
<b>DISTRICT OF COLUMBIA</b>	316.1	322.8	321.6	39.5	35.0	39.2	12.5	10.8	12.2
Washington SMSA <sup>1</sup>	1,723.8	1,808.3	1,781.7	104.8	81.6	88.2	6.1	4.5	4.9
<b>FLORIDA<sup>2</sup></b>	4,789.2	5,100.5	4,984.4	499.2	381.7	367.0	10.4	7.5	7.4
Daytona Beach	114.9	126.7	122.7	11.1	8.4	8.0	9.7	6.7	6.5
Fort Lauderdale—Hollywood	504.6	532.9	522.7	45.2	32.6	31.1	9.0	6.1	6.0
Fort Myers—Cape Coral	106.5	112.7	110.2	10.8	6.6	6.8	10.2	5.8	6.2
Gainesville	80.8	86.2	83.1	5.1	3.9	3.6	6.3	4.6	4.4
Jacksonville	352.9	378.5	369.9	34.4	28.6	28.1	9.7	7.6	7.6
Lakeland—Winter Haven	154.5	155.9	153.1	24.9	18.5	17.3	16.1	11.9	11.3
Melbourne—Titusville—Cocoa	129.1	143.8	141.2	12.4	9.7	9.6	9.6	6.7	6.8
Miami	834.2	882.0	857.9	94.0	79.7	73.0	11.3	9.0	8.5
Orlando	405.7	444.5	439.3	35.8	27.2	27.6	8.8	6.1	6.3
Pensacola	128.8	139.2	134.2	13.5	11.4	9.4	10.5	8.2	7.0
Sarasota	87.6	93.6	90.3	8.2	4.7	5.2	9.3	5.1	5.7
Tallahassee	86.3	93.0	90.5	5.6	4.0	4.4	6.5	4.3	4.8
Tampa—St. Petersburg	758.7	802.4	789.1	74.7	51.7	51.8	9.8	6.4	6.6
West Palm Beach—Boca Raton	297.3	317.3	309.8	27.3	21.4	19.5	9.2	6.8	6.3

See footnotes at end of table.



# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	Jan. 1983	Dec. 1983	Jan. 1984P	Jan. 1983	Dec. 1983	Jan. 1984P	Jan. 1983	Dec. 1983	Jan. 1984P
<b>GEORGIA</b> .....	2,625.7	2,722.2	2,655.9	225.2	169.3	173.0	8.6	6.2	6.5
Albany .....	52.8	53.2	52.2	5.4	4.6	4.9	10.1	8.6	9.3
Athens .....	65.6	67.9	65.9	5.0	3.6	3.7	7.6	5.3	5.5
Atlanta .....	1,096.7	1,151.4	1,122.5	79.0	60.1	59.3	7.2	5.2	5.3
Columbus <sup>1</sup> .....	137.6	137.1	134.3	14.1	10.4	10.4	10.3	7.6	7.8
Macon .....	87.4	89.6	89.1	8.8	6.7	7.7	10.1	7.4	8.7
Savannah .....	108.5	110.4	109.0	8.7	7.5	7.8	8.0	6.8	7.2
.....	97.9	99.6	97.2	9.2	7.1	6.9	9.4	7.1	7.1
<b>HAWAII</b> .....	463.1	468.5	469.1	30.4	27.8	26.8	6.6	5.9	5.7
Honolulu .....	353.1	360.0	358.6	20.5	19.3	18.1	5.8	5.4	5.1
<b>IDAHO</b> .....	434.5	447.9	442.1	54.7	39.1	38.7	12.6	8.7	8.8
Boise City .....	93.8	97.6	96.5	8.8	6.3	6.0	9.4	6.4	6.2
<b>ILLINOIS<sup>2</sup></b> .....	5,597.9	5,514.4	5,504.3	757.7	520.2	589.4	13.5	9.4	10.7
Bloomington—Normal .....	63.7	64.0	63.5	6.0	4.6	4.8	9.4	7.3	7.6
Champaign—Urbana—Rantoul .....	83.1	86.9	85.6	6.1	5.2	5.7	7.4	6.0	6.7
Chicago .....	3,462.7	3,427.1	3,415.9	419.1	292.2	326.5	12.1	8.5	9.6
Davenport—Rock Island—Moline <sup>1</sup> .....	193.6	183.0	184.2	37.8	21.5	24.2	19.5	11.8	13.1
Decatur .....	65.1	61.4	62.0	12.2	7.0	7.8	18.7	11.3	12.6
Kankakee .....	42.5	40.4	40.4	8.5	5.6	6.3	20.0	13.9	15.7
Peoria .....	176.9	165.0	165.8	32.6	20.9	23.3	18.4	12.7	14.1
Rockford .....	140.6	135.3	136.1	28.1	13.9	15.6	20.0	10.3	11.5
Springfield .....	103.2	103.3	103.3	10.0	7.6	8.5	9.7	7.4	8.2
<b>INDIANA</b> .....	2,579.7	2,549.8	2,580.1	370.6	226.8	309.7	14.4	8.9	12.0
Anderson .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Elkhart .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Evansville <sup>1</sup> .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Fort Wayne .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Gary—Hammond—East Chicago .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Indianapolis .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Lafayette—West Lafayette .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Muncie .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
South Bend .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Terre Haute .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>IOWA</b> .....	1,371.6	1,373.8	1,390.2	153.1	91.7	114.2	11.2	6.7	8.2
Cedar Rapids .....	83.7	83.2	83.9	9.2	5.9	6.8	11.0	7.1	8.1
Des Moines .....	183.9	185.0	188.0	16.2	10.6	12.2	8.8	5.7	6.5
Dubuque .....	41.8	42.0	42.8	8.8	3.3	4.5	21.2	8.0	10.6
Sioux City .....	53.1	53.9	54.3	5.2	3.6	4.4	9.7	6.7	8.0
Waterloo—Cedar Falls .....	65.2	63.4	64.6	8.9	6.5	7.8	13.7	10.3	12.1
<b>KANSAS</b> .....	1,154.7	1,171.9	1,147.5	88.6	58.2	66.9	7.7	5.0	5.8
Lawrence .....	33.6	34.0	33.1	1.7	1.4	1.6	5.1	4.2	4.9
Topeka .....	93.2	94.2	92.8	7.5	5.8	6.6	8.0	6.2	7.1
Wichita .....	217.3	220.6	218.1	23.6	11.6	12.9	10.8	5.2	5.9
<b>KENTUCKY</b> .....	1,681.9	1,683.1	1,727.2	236.3	153.0	201.6	14.0	9.1	11.7
Lexington—Fayette .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Louisville <sup>1</sup> .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Owensboro .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>LOUISIANA</b> .....	1,851.6	1,891.4	1,888.6	230.2	195.3	197.0	12.4	10.3	10.4
Alexandria .....	74.1	76.3	76.3	10.0	7.7	8.1	13.5	10.2	10.7
Baton Rouge .....	229.8	242.6	240.3	23.5	20.5	19.6	10.2	8.4	8.2
Lafayette .....	95.3	94.8	103.3	7.0	6.7	6.9	7.4	7.1	6.6
Lake Charles .....	76.4	77.1	76.3	11.5	11.0	11.6	15.0	14.3	15.1
Monroe .....	59.5	58.7	58.0	7.7	5.9	6.0	12.9	10.0	10.4
New Orleans .....	516.4	528.8	527.1	55.0	48.1	47.0	10.7	9.1	8.9
Shreveport .....	163.5	169.2	168.1	20.0	16.4	16.0	12.2	9.7	9.5
<b>MAINE</b> .....	509.7	529.4	509.7	54.1	41.9	48.1	10.6	7.9	9.4
Lewiston—Auburn .....	38.1	39.1	38.1	4.4	3.2	3.5	11.5	8.2	9.3
Portland .....	94.7	101.3	98.3	7.2	5.5	5.9	7.6	5.4	6.0
<b>MARYLAND</b> .....	2,167.1	2,217.8	2,204.1	194.6	127.5	149.7	9.0	5.7	6.8
Baltimore .....	1,075.7	1,084.9	1,082.3	108.6	70.3	82.7	10.1	6.5	7.6

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	Jan. 1983	Dec. 1983	Jan. 1984P	Jan. 1983	Dec. 1983	Jan. 1984P	Jan. 1983	Dec. 1983	Jan. 1984P
<b>MASSACHUSETTS<sup>2</sup></b>	2,958.6	3,030.8	3,011.0	256.6	175.7	221.1	8.7	5.8	7.3
Boston	1,436.6	1,476.8	1,467.0	100.4	69.2	88.9	7.0	4.7	6.1
Brockton	81.1	83.1	82.6	7.8	5.4	6.9	9.6	6.5	8.4
Fall River <sup>1</sup>	78.8	79.9	N.A.	10.1	7.6	N.A.	12.8	9.5	N.A.
Lawrence—Haverhill <sup>1</sup>	146.9	149.1	147.6	14.6	9.0	11.0	9.9	6.0	7.5
Lowell	133.3	141.8	141.8	9.1	6.4	7.8	6.8	4.5	5.5
New Bedford	84.2	86.6	86.8	11.1	8.3	9.4	13.2	9.6	10.8
Springfield—Chicopee—Holyoke	287.3	294.7	290.0	25.8	18.2	23.3	9.0	6.2	8.0
Worcester	197.2	195.7	191.9	19.9	11.0	13.8	10.1	5.6	7.2
<b>MICHIGAN<sup>2</sup></b>	4,269.3	4,215.5	4,146.0	726.1	501.4	529.5	17.0	11.9	12.8
Ann Arbor	142.5	148.2	N.A.	17.3	10.1	N.A.	12.1	6.8	N.A.
Battle Creek	79.3	78.2	N.A.	13.6	9.7	N.A.	17.2	12.3	N.A.
Bay City	52.9	51.2	N.A.	9.7	7.6	N.A.	18.3	14.8	N.A.
Benton Harbor	70.7	69.2	N.A.	12.6	9.2	N.A.	17.9	13.3	N.A.
Detroit	1,982.4	1,939.5	N.A.	348.7	228.4	N.A.	17.6	11.8	N.A.
Flint	221.1	219.2	N.A.	47.7	28.2	N.A.	21.6	12.9	N.A.
Grand Rapids	328.8	330.6	N.A.	43.5	32.9	N.A.	13.2	10.0	N.A.
Jackson	65.4	63.3	N.A.	11.7	7.9	N.A.	17.8	12.6	N.A.
Kalamazoo—Portage	138.0	138.4	N.A.	17.2	14.8	N.A.	12.4	10.7	N.A.
Lansing—East Lansing	240.9	240.1	N.A.	28.3	20.9	N.A.	11.8	8.7	N.A.
Muskegon—Norton Shores—Muskegon Heights	76.3	73.6	N.A.	15.9	9.9	N.A.	20.9	13.4	N.A.
Saginaw	97.7	97.3	N.A.	16.7	11.0	N.A.	17.1	11.3	N.A.
<b>MINNESOTA</b>	2,111.2	2,175.2	2,150.8	216.2	168.0	166.8	10.2	7.7	7.8
Duluth—Superior <sup>1</sup>	N.A.	107.6	105.3	N.A.	17.9	17.2	N.A.	16.6	16.4
Minneapolis—St. Paul	1,157.2	1,203.4	1,187.7	92.6	68.6	65.1	8.0	5.7	5.5
Rochester	57.1	60.5	59.1	3.8	3.4	3.0	6.7	5.6	5.1
St. Cloud	74.4	78.2	78.5	8.6	7.3	7.6	11.6	9.4	9.7
<b>MISSISSIPPI</b>	1,046.6	1,043.5	1,021.9	147.5	106.2	112.2	14.1	10.2	11.0
Jackson	156.2	159.6	154.7	13.8	10.1	10.5	8.8	6.3	6.8
<b>MISSOURI<sup>1</sup></b>	2,300.1	2,318.6	2,320.5	267.2	195.1	236.3	11.6	8.4	10.2
Kansas City <sup>1</sup>	677.7	681.1	677.1	65.6	43.2	52.8	9.7	6.3	7.8
St. Joseph	45.6	45.1	45.1	5.7	4.1	4.6	12.5	9.2	10.2
St. Louis <sup>1</sup>	1,129.2	1,141.2	1,139.8	134.1	102.4	120.6	11.9	9.0	10.6
Springfield	109.5	114.2	112.4	10.5	7.3	8.9	9.6	6.4	7.9
<b>MONTANA</b>	380.9	385.3	392.3	42.3	32.8	40.7	11.1	8.5	10.4
<b>NEBRASKA</b>	762.1	776.2	762.8	57.3	42.0	44.4	7.5	5.4	5.8
Lincoln	107.9	109.1	106.7	6.2	4.3	4.3	5.8	4.0	4.1
Omaha <sup>1</sup>	284.5	291.4	287.4	21.4	15.8	16.2	7.5	5.4	5.6
<b>NEVADA</b>	472.8	492.2	486.9	57.0	42.5	44.5	12.1	8.6	9.1
Las Vegas	267.0	278.3	274.7	32.0	25.6	25.3	12.0	9.2	9.2
Reno	128.5	133.9	132.2	14.0	9.3	10.5	10.9	7.0	7.9
<b>NEW HAMPSHIRE</b>	481.9	511.7	498.7	40.2	20.0	26.3	8.3	3.9	5.3
Manchester	85.6	88.2	88.0	7.0	3.4	4.5	8.1	3.8	5.1
Nashua	83.0	89.5	87.4	5.9	2.7	3.2	7.1	3.0	3.7
<b>NEW JERSEY</b>	3,582.4	3,758.1	3,750.2	321.4	245.8	286.6	9.0	6.5	7.6
Atlantic City	116.5	124.1	125.9	11.9	9.7	12.7	10.2	7.8	10.1
Jersey City	234.4	242.1	245.7	32.9	25.5	31.0	14.0	10.5	12.6
Long Branch—Asbury Park	242.5	256.8	254.3	21.7	15.1	18.1	9.0	5.9	7.1
New Brunswick—Perth Amboy—Sayreville	336.2	351.2	346.7	27.5	20.2	23.4	8.2	5.8	6.7
Newark	965.2	1,010.9	1,008.7	82.6	58.4	69.2	8.6	5.8	6.9
Paterson—Clifton—Passaic	212.4	223.5	222.1	23.0	18.4	21.6	10.8	8.2	9.7
Trenton	159.9	164.8	164.2	12.1	8.0	9.8	7.6	4.9	6.0
Vineland—Millville—Bridgeton	57.0	57.3	58.1	9.0	8.1	9.5	15.8	14.2	16.3
<b>NEW MEXICO</b>	590.7	605.9	598.5	66.2	54.5	54.1	11.2	9.0	9.0
Albuquerque	223.7	231.2	229.0	21.0	18.7	18.2	9.4	8.1	7.9
Las Cruces	39.6	42.0	41.0	4.1	3.4	3.4	10.2	8.1	8.3

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	Jan. 1983	Dec. 1983	Jan. 1984P	Jan. 1983	Dec. 1983	Jan. 1984P	Jan. 1983	Dec. 1983	Jan. 1984P
<b>NEW YORK</b> <sup>1</sup>	7,877.9	7,950.5	7,888.4	752.7	553.9	637.0	9.6	7.0	8.1
Albany—Schenectady—Troy	37.2	371.2	368.7	31.3	20.9	27.0	8.4	5.6	7.3
Binghamton <sup>1</sup>	1.7	137.9	137.7	13.4	8.4	9.8	9.7	6.1	7.1
Buffalo	533.6	523.5	520.8	79.2	51.8	60.7	14.8	9.9	11.7
Elmira	36.9	36.1	36.2	4.9	2.8	3.6	13.2	7.7	9.8
Nassau-Suffolk	1,326.5	1,390.2	1,346.9	95.1	70.1	84.1	7.2	5.0	6.2
New York	3,590.0	3,617.7	3,623.0	322.8	262.6	276.9	9.0	7.3	7.6
New York City <sup>2</sup>	2,979.0	3,001.0	3,006.0	285.0	235.0	244.0	9.6	7.8	8.1
Poughkeepsie	112.4	115.1	113.3	7.6	5.7	7.0	6.8	5.0	6.2
Rochester	475.3	464.8	463.4	46.5	32.1	38.6	9.8	6.9	8.3
Syracuse	297.9	301.0	297.5	29.8	17.7	23.4	10.0	5.9	7.9
Utica—Rome	130.3	130.1	130.8	14.7	9.9	12.4	11.3	7.6	9.5
<b>NORTH CAROLINA</b>	2,904.7	2,935.5	2,932.1	315.0	200.5	236.8	10.8	6.8	8.1
Asheville	86.2	85.4	84.4	8.9	5.5	6.8	10.4	6.4	8.0
Charlotte—Gastonia	374.0	380.3	376.6	30.7	20.6	23.4	8.2	5.4	6.2
Greensboro—Winston-Salem—High Point	442.8	445.5	444.3	41.6	24.6	29.6	9.4	5.5	6.7
Raleigh—Durham	316.4	327.3	325.6	16.6	11.7	13.6	5.2	3.6	4.2
<b>NORTH DAKOTA</b>	291.2	298.2	298.3	22.9	16.3	23.4	7.9	5.5	7.9
Fargo—Moorehead <sup>1</sup>	70.4	74.0	73.4	4.4	3.5	4.2	6.2	4.8	5.7
<b>OHIO</b> <sup>1</sup>	4,930.8	5,040.2	4,963.8	736.6	527.7	511.7	14.9	10.5	10.3
Akron	293.3	304.9	297.9	44.5	34.6	33.3	15.2	11.3	11.2
Canton	184.0	186.0	182.2	33.4	23.6	22.5	18.1	12.7	12.4
Cincinnati <sup>1</sup>	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Cleveland	897.7	917.5	900.7	118.4	89.3	83.9	13.2	9.7	9.3
Columbus	548.8	585.3	575.6	55.2	47.4	45.6	10.1	8.1	7.9
Dayton	378.8	388.0	385.2	47.8	32.5	31.9	12.6	8.4	8.3
Toledo <sup>1</sup>	362.6	372.5	N.A.	53.7	40.5	N.A.	14.8	10.9	N.A.
Youngstown—Warren	222.2	222.4	217.8	48.3	30.2	28.6	21.7	13.6	13.1
<b>OKLAHOMA</b>	1,498.0	1,511.9	1,530.4	135.6	107.0	129.8	9.1	7.1	8.5
Enid	31.0	31.7	31.4	2.4	1.7	2.2	7.9	5.3	7.1
Lawton	38.1	39.2	38.9	2.4	2.3	2.5	6.4	5.9	6.4
Oklahoma City	463.5	473.9	477.3	31.3	25.0	29.9	6.8	5.3	6.3
Tulsa	364.3	363.6	370.5	35.5	28.5	34.7	9.8	7.8	9.4
<b>OREGON</b>	1,309.9	1,327.8	1,295.6	180.5	131.6	150.6	13.8	9.9	11.6
Eugene—Springfield	130.7	133.0	129.6	19.5	13.5	15.4	14.9	10.2	11.9
Medford	63.4	65.1	63.0	10.4	6.4	7.5	16.3	9.8	11.9
Portland <sup>1</sup>	658.9	660.8	647.0	79.0	56.9	63.2	12.0	8.6	9.8
Salem	120.9	122.8	119.7	16.2	12.6	14.1	13.4	10.3	11.8
<b>PENNSYLVANIA</b> <sup>1</sup>	5,418.1	5,508.3	5,383.5	806.0	561.5	542.3	14.9	10.2	10.1
Allentown—Bethlehem—Easton <sup>1</sup>	306.7	310.8	304.6	48.7	31.6	29.9	15.9	10.2	9.8
Altoona	56.5	55.5	54.1	11.6	7.7	7.2	20.5	13.8	13.3
Erie	124.2	123.9	121.0	23.0	15.9	15.0	18.5	12.8	12.4
Harrisburg	233.6	240.3	239.3	24.1	13.8	15.9	10.3	5.8	6.6
Johnstown	105.8	103.4	99.8	25.8	17.0	16.0	24.4	16.4	16.0
Lancaster	179.9	190.1	184.4	17.9	10.5	10.4	10.0	5.5	5.7
Northeast Pennsylvania	283.3	293.5	286.6	40.7	35.1	34.2	14.4	11.9	11.9
Philadelphia <sup>1</sup>	2,157.2	2,270.2	2,221.0	209.6	165.1	159.5	9.7	7.3	7.2
Pittsburgh	1,026.3	1,016.3	991.1	176.8	123.9	118.4	17.2	12.2	12.0
Reading	156.6	164.3	160.4	20.8	12.0	12.5	13.3	7.3	7.8
Sharon	55.5	51.0	49.9	13.0	7.2	7.3	23.4	14.1	14.5
State College	52.3	51.5	50.5	7.2	4.8	4.5	13.8	9.3	8.8
Williamsport	50.3	53.0	52.4	7.7	7.1	6.9	15.4	13.4	13.1
York	183.5	180.6	179.3	32.0	17.0	18.8	17.4	9.4	10.5
<b>RHODE ISLAND</b>	473.5	477.2	477.3	53.2	32.2	38.2	11.2	6.7	8.0
Providence—Warwick—Pawtucket <sup>1</sup>	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>SOUTH CAROLINA</b>	1,458.3	1,460.8	1,450.7	184.5	112.5	123.2	12.7	7.7	8.5
Charleston—North Charleston	175.0	178.7	175.5	17.2	11.6	12.3	9.8	6.5	7.0
Columbia	195.8	202.9	202.0	15.7	10.2	11.1	8.0	5.0	5.5
Greenville—Spartanburg	292.9	287.9	284.3	35.2	18.5	20.3	12.0	6.4	7.2
<b>SOUTH DAKOTA</b>	311.1	324.9	313.3	21.9	17.8	16.9	7.0	5.5	5.4
Sioux Falls	62.7	67.5	65.1	3.6	3.1	3.2	5.7	4.5	5.0
<b>TENNESSEE</b>	2,124.8	2,178.0	2,200.1	294.9	204.6	243.6	13.9	9.4	11.1
Chattanooga <sup>1</sup>	194.1	194.6	199.5	21.9	16.0	19.4	11.3	8.2	9.7
Knoxville	227.2	230.3	235.6	26.8	20.0	23.6	11.8	8.7	10.0
Memphis <sup>1</sup>	418.5	431.6	412.8	45.7	34.1	38.9	10.9	7.9	9.4
Nashville—Davidson	437.1	454.0	451.1	43.7	30.2	33.1	10.1	6.6	7.3

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	Jan. 1983	Dec. 1983	Jan. 1984P	Jan. 1983	Dec. 1983	Jan. 1984P	Jan. 1983	Dec. 1983	Jan. 1984P
<b>TEXAS<sup>1</sup></b>	7,600.0	7,730.7	7,634.7	646.6	548.4	555.8	8.5	7.1	7.3
Abilene	77.8	77.9	76.9	4.0	4.4	4.1	5.1	5.7	5.4
Amarillo	96.6	101.4	98.5	5.7	6.4	5.5	5.9	6.3	5.6
Austin	319.6	335.4	331.1	15.5	14.0	13.1	4.8	4.2	3.9
Beaumont—Port Arthur—Orange	185.2	179.9	175.8	27.7	23.2	22.5	15.0	12.9	12.8
Brownsville—Harlingen—San Benito	92.5	93.3	91.6	15.5	13.8	14.6	16.7	14.8	16.0
Bryan—College Station	53.3	55.8	53.7	2.6	2.2	2.6	4.9	3.9	4.8
Corpus Christi	168.9	165.0	162.9	16.1	16.8	16.3	9.5	10.2	10.0
Dallas—Fort Worth	1,763.2	1,841.3	1,821.5	105.2	81.6	83.8	6.0	4.4	4.6
El Paso	198.1	198.8	195.6	26.6	22.8	21.6	13.4	11.5	11.1
Galveston—Texas City	91.9	91.7	89.9	12.8	9.5	9.6	13.9	10.3	10.7
Houston	1,779.4	1,763.1	1,743.9	163.8	140.5	139.3	9.2	8.0	8.0
Killeen—Temple	71.5	74.7	74.2	5.1	4.3	4.6	7.2	5.8	6.2
Laredo	43.4	39.9	40.0	11.8	8.7	9.1	27.2	21.8	22.6
Longview—Marshall	81.3	80.5	79.5	10.1	8.4	8.0	12.4	10.4	10.0
Lubbock	111.9	115.3	112.5	6.8	8.5	8.2	6.1	7.4	7.3
McAllen—Pharr—Edinburg	121.2	122.5	117.0	24.1	22.8	29.4	19.9	18.6	25.1
Midland	64.7	68.3	68.1	3.6	3.4	3.4	5.5	5.0	4.9
Odessa	74.2	74.5	74.3	6.0	5.2	5.0	8.0	6.9	6.7
San Angelo	50.1	51.0	49.6	2.6	2.9	2.5	5.1	5.8	5.0
San Antonio	492.4	515.1	511.1	33.4	29.3	30.6	6.8	5.7	6.0
Sherman—Denison	40.8	40.5	40.0	4.0	2.8	2.7	9.8	6.9	6.9
Texarkana	52.2	52.1	51.9	5.7	4.5	5.0	10.8	8.7	9.6
Tyler	77.6	80.2	77.9	5.5	6.0	4.4	7.1	7.5	5.6
Waco	87.8	92.4	90.6	6.0	5.1	4.8	6.8	5.5	5.4
Wichita Falls	67.4	69.0	69.0	5.5	4.1	4.8	8.2	5.9	7.0
<b>UTAH</b>	676.4	692.5	700.0	73.2	52.8	59.7	10.8	7.6	8.5
Salt Lake City—Ogden	443.4	455.9	461.6	44.4	31.7	35.2	10.0	7.0	7.6
<b>VERMONT</b>	263.7	268.3	264.2	22.2	15.7	19.0	8.4	5.9	7.2
Burlington	69.8	72.6	70.1	4.2	3.1	3.7	6.0	4.3	5.2
<b>VIRGINIA</b>	2,649.8	2,749.2	2,699.0	220.7	145.5	163.0	8.3	5.3	6.0
Lynchburg	75.2	77.4	76.6	7.2	4.5	5.4	9.5	5.8	7.0
Newport News—Hampton	167.5	180.0	175.3	11.8	8.0	8.9	7.0	4.4	5.1
Norfolk—Virginia Beach—Portsmouth	339.8	363.8	354.3	25.0	18.0	18.1	7.3	4.9	5.1
Petersburg—Colonial Heights—Hopewell	57.3	54.7	54.5	6.9	4.7	5.3	12.1	8.7	9.7
Richmond	339.7	355.8	347.9	19.5	15.4	16.1	5.7	4.3	4.6
Roanoke	110.7	114.7	112.0	9.2	6.3	6.5	8.3	5.5	5.8
<b>WASHINGTON</b>	2,001.4	2,047.7	2,060.1	276.4	211.0	252.9	13.8	10.3	12.3
<b>WEST VIRGINIA</b>	780.9	755.6	754.4	162.3	113.7	128.5	20.8	15.1	17.0
Charleston	120.7	121.6	120.3	17.7	14.3	16.0	14.7	11.8	13.3
Huntington—Ashland <sup>1</sup>	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Parkersburg—Marietta <sup>1</sup>	73.0	72.6	72.4	12.0	8.9	9.2	16.5	12.2	12.8
Wheeling <sup>1</sup>	80.7	79.4	77.9	15.3	11.3	11.0	19.0	14.2	14.1
<b>WISCONSIN</b>	2,427.3	2,431.7	2,421.2	334.9	225.3	238.0	13.8	9.3	9.8
Appleton—Oshkosh	N.A.	155.9	155.7	N.A.	14.1	15.1	N.A.	9.0	9.7
Eau Claire	N.A.	61.6	61.9	N.A.	6.1	6.6	N.A.	9.9	10.7
Green Bay	N.A.	95.7	95.2	N.A.	8.4	8.9	N.A.	8.8	9.4
Janesville—Beloit	N.A.	72.3	71.5	N.A.	6.5	6.8	N.A.	9.0	9.5
Kenosha	N.A.	61.4	61.6	N.A.	5.0	5.4	N.A.	8.1	8.8
La Crosse	N.A.	51.4	51.5	N.A.	4.2	4.7	N.A.	8.2	9.1
Madison	N.A.	196.2	192.8	N.A.	12.9	13.1	N.A.	6.6	6.8
Milwaukee	N.A.	710.9	706.2	N.A.	60.0	59.8	N.A.	8.4	8.5
Racine	N.A.	84.8	84.3	N.A.	8.5	8.5	N.A.	10.1	10.0
<b>WYOMING</b>	246.9	249.5	249.2	23.5	18.2	16.7	9.5	7.3	6.7

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

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

becomes available. Data refer to place of residence.

p = preliminary.

N.A. = not available.

NOTE: Estimates for 1982 have been benchmarked to 1982 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 2, estimates for 1983 are provisional and will be revised when new benchmark information

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

Labor force and unemployment estimates for counties, cities, and other small areas have been prepared for administration of various Federal economic assistance programs and may be ordered from the 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.

## ESTABLISHMENT DATA SEASONALLY ADJUSTED

Seasonally adjusted constant-dollar earnings series have been revised to reflect seasonal experience in the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-U) through December 1983. This revision affected constant-dollar earnings data from January 1967 through December 1983.

Seasonally adjusted average weekly earnings in constant 1977 dollars appear currently in table C-8. They are also published along with average hourly earnings in 1977 dollars in the Real Earnings news release.

### Revised seasonally adjusted real earnings series of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls

Real average hourly earnings (1977 dollars)

Year	January	February	March	April	May	June	July	August	September	October	November	December
1964.....	\$4.54	\$4.56	\$4.57	\$4.58	\$4.59	\$4.59	\$4.61	\$4.65	\$4.65	\$4.61	\$4.64	\$4.65
1965.....	4.64	4.68	4.71	4.69	4.71	4.69	4.72	4.74	4.73	4.76	4.77	4.75
1966.....	4.76	4.75	4.76	4.77	4.78	4.79	4.79	4.77	4.80	4.79	4.81	4.81
1967.....	4.83	4.83	4.84	4.85	4.84	4.86	4.88	4.88	4.86	4.87	4.88	4.88
1968.....	4.90	4.90	4.93	4.95	4.95	4.97	4.96	4.97	4.98	4.98	4.99	5.01
1969.....	5.01	5.03	5.00	5.02	5.03	5.04	5.03	5.04	5.02	5.04	5.05	5.03
1970.....	5.02	5.02	5.03	5.01	5.02	5.03	5.05	5.06	5.05	5.02	5.03	5.05
1971.....	5.08	5.10	5.14	5.14	5.16	5.15	5.15	5.18	5.17	5.19	5.19	5.21
1972.....	5.30	5.29	5.32	5.34	5.35	5.33	5.35	5.38	5.39	5.41	5.40	5.43
1973.....	5.42	5.41	5.39	5.40	5.37	5.38	5.42	5.33	5.35	5.33	5.33	5.31
1974.....	5.27	5.24	5.22	5.20	5.22	5.25	5.22	5.21	5.19	5.18	5.13	5.13
1975.....	5.11	5.10	5.11	5.10	5.11	5.11	5.08	5.11	5.11	5.09	5.10	5.09
1976.....	5.10	5.12	5.14	5.15	5.17	5.18	5.18	5.20	5.20	5.20	5.22	5.23
1977.....	5.22	5.21	5.22	5.22	5.23	5.24	5.25	5.24	5.26	5.28	5.27	5.26
1978.....	5.29	5.29	5.30	5.31	5.30	5.29	5.29	5.29	5.29	5.28	5.27	5.27
1979.....	5.27	5.25	5.23	5.17	5.16	5.14	5.12	5.10	5.09	5.06	5.04	5.03
1980.....	4.97	4.95	4.92	4.89	4.87	4.87	4.89	4.89	4.88	4.89	4.88	4.86
1981.....	4.86	4.85	4.86	4.85	4.84	4.85	4.81	4.82	4.80	4.81	4.82	4.81
1982.....	4.84	4.83	4.85	4.85	4.85	4.81	4.80	4.81	4.80	4.80	4.81	4.85
1983.....	4.89	4.91	4.89	4.89	4.88	4.90	4.90	4.85	4.89	4.90	4.89	4.91

Real average weekly earnings (1977 dollars)

Year	January	February	March	April	May	June	July	August	September	October	November	December
1964.....	\$174.34	\$176.46	\$176.80	\$177.67	\$177.64	\$177.64	\$178.38	\$179.90	\$178.50	\$178.44	\$179.59	\$180.93
1965.....	180.58	181.62	183.20	182.01	182.81	181.65	182.73	182.99	182.18	184.24	184.64	184.41
1966.....	184.33	184.96	184.86	184.43	184.33	184.71	185.07	184.04	184.67	184.35	184.57	184.57
1967.....	185.64	183.85	184.07	183.96	184.10	184.81	185.03	185.53	184.53	184.73	185.58	185.12
1968.....	184.81	185.81	186.33	186.02	187.51	188.18	187.86	188.02	188.84	188.35	187.68	188.31
1969.....	189.32	188.95	188.51	189.13	190.27	189.55	189.75	190.05	189.43	189.53	189.32	189.21
1970.....	187.90	187.89	187.67	186.30	186.88	186.66	187.74	187.81	186.00	185.35	185.63	186.19
1971.....	187.31	188.13	189.53	189.52	190.33	190.03	188.99	191.09	189.26	191.62	192.12	192.90
1972.....	195.61	195.56	196.90	198.23	197.41	197.37	197.33	198.37	199.39	200.67	199.80	199.73
1973.....	199.63	200.11	200.01	200.17	198.76	199.23	200.71	196.66	197.36	196.24	197.20	195.56
1974.....	193.48	192.94	191.63	189.33	191.73	192.05	191.09	190.04	189.80	188.48	185.68	185.34
1975.....	184.47	183.23	182.90	182.98	183.39	183.87	183.03	184.84	185.02	184.19	184.76	184.66
1976.....	185.24	186.02	185.38	185.76	187.02	187.39	187.54	187.57	187.20	187.35	188.07	188.41
1977.....	186.95	188.25	187.87	188.00	188.85	188.47	188.96	188.57	189.25	189.92	189.15	188.93
1978.....	187.80	188.45	190.14	191.27	190.14	189.88	189.81	189.22	189.30	189.57	188.64	188.74
1979.....	188.29	187.57	187.06	182.40	184.25	183.44	182.94	182.17	181.54	180.01	179.27	178.98
1980.....	177.03	175.60	173.70	172.67	171.43	170.86	171.02	171.66	171.81	172.46	172.26	172.17
1981.....	172.69	171.16	171.67	171.83	171.02	170.58	169.95	169.75	168.16	168.77	169.15	168.34
1982.....	165.88	169.54	169.35	169.37	169.68	167.82	167.54	167.29	167.18	166.63	167.06	168.93
1983.....	171.58	169.29	170.34	170.64	171.42	171.85	171.48	169.58	172.06	173.09	172.19	173.21

<sup>1</sup> Data relate to production and related workers in mining and manufacturing; to construction workers in construction; and to nonsupervisory workers in transportation and public utilities;

wholesale and retail trade; finance, insurance, and real estate; and services.

# 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 establishments employing over 30 million nonagricultural wage and salary workers. The data relate to all workers, full- or part-time, who received pay during the payroll period which includes the 12th 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 approach provides information on the work status of the population without duplication, since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once and are classified according to the job at which they worked the greatest number of hours during the survey week. In the figures based on establishment 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 workers' sole or primary job. Data from the establishment survey generally refer to mean 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 \$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 annual sample survey of manufacturing establishments and the censuses of business establishments. The major reasons for some noncomparability are different treatment of business units considered parts of an establishment, such as central administrative offices and auxiliary units, the industrial classification of establishments, and different reporting patterns by multiunit companies. There are also differences in the scope of the industries covered, e.g., the Census of Business excludes professional services, public utilities, and financial establishments, whereas these are included in 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

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, ethnic 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 blood 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-4 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.

*Major activity: Going to school* and *Major activity: Other* are terms used to describe whether the activity of young persons during the reference week is primarily one of going to school or not. These statistics are published in table A-6 for 16- to 21-year-olds by employment status, race and sex, and if unemployed, whether seeking full-or part-time work.

*Vietnam-era veterans* are those who served in the Armed Forces of the United States between August 5, 1964, and May 7, 1975. 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 *poverty areas* classification consists of all census geographic divisions in which 20 percent or more of the residents were poor according to the 1970 decennial census. Persons were classified as poor or not poor by using income thresholds adopted by a Federal interagency committee in 1969. These thresholds vary by family size, composition, and residence, (farm-nonfarm). While poverty areas have a substantial concentration of low-income residents, many poor persons live outside these areas, and, conversely, the areas include many people who are not poor.

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

*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.

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

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.

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 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 independent 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 repre-

sent 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

**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 (consecutive 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			

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 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 indifferent 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 tables 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:

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

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	.66	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 (B and C tables)

## COLLECTION

Payroll reports provide current information on wage and salary employment, hours, and earnings in nonagricultural establishments, by industry and geographic location.

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

Persons on establishment payrolls who are on paid sick leave (when pay is received directly from the firm), on paid holiday, 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.

*Gross average hourly and weekly earnings.* Average hourly earnings are on a "gross" basis. They reflect not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. They also reflect

shifts in the number of employees between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

Averages of hourly earnings differ from wage rates. Earnings are the actual return to the worker for a stated period of time; rates are the amount stipulated for a given unit of work or time. The earnings series 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.

Gross average weekly earnings estimates are derived by multiplying average weekly hours estimates by average hourly earnings estimates. Therefore, weekly earnings are affected not only by changes in gross average hourly earnings but also by changes in the length of the workweek. Monthly variations in such factors as proportion of part-time workers, stoppages for varying reasons, labor turnover during the survey period, and absenteeism for which employees are not paid may cause the average workweek to fluctuate.

Long-term trends of gross average weekly earnings can be affected by structural changes in the makeup of the work force. For example, persistent long-term increases in the proportion of part-time workers in retail trade and many of the services industries have reduced average workweeks in these industries and have affected the average weekly earnings series.

*Average weekly hours.* The workweek information relates to the average hours for which pay was received and is different from standard or scheduled hours. Such factors are unpaid absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishment. Group averages further reflect changes in the workweek of component industries.

*Average overtime hours.* The overtime hours represent that portion of the gross average weekly hours which exceeded regular hours and for which overtime premiums were paid. If an employee were to work on a paid holiday at regular rates, receiving as total compensation his 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, gross weekly hours and overtime hours do not necessarily move in the same direction from month to month; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends



at the industry-group level also may be caused by a marked change in hours for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on gross hours.

*Railroads hours and earnings.* The figures for Class I railroads (excluding switching and terminal companies) are based on monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC group I) who received pay during the month. Gross average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

“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 gross 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 is made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

*Indexes of aggregate weekly payrolls and hours.* The indexes of aggregate weekly payrolls and hours are prepared by dividing the current month's aggregate by the 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, and the payroll aggregates are the product of hour aggregates and average hourly earnings. At all higher level of industry aggregation, hour and payroll 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 employ-

ment over the specified time span. The indexes are calculated from 186 unpublished seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in “Introduction of Diffusion Indexes,” in the December 1974 issue of *Employment and Earnings*.

## 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, small bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past experience. Other features of the general procedures are described in table 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 1982 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by States agencies from reports of establishments covered

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

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
<b>Monthly data</b>		
All employees .....	All-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-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) estimated ratio of women to all employees. <sup>2</sup>	Sum of production- or nonsupervisory-worker estimates, or estimates of women employees, for component cells.
Gross average weekly hours .....	Production- or nonsupervisory-worker hours divided by number of production or nonsupervisory workers. <sup>2</sup>	Average, weighted by production- or nonsupervisory-worker employment, of the average weekly hours for component cells.
Average weekly overtime hours .....	Production-worker overtime hours divided by number of production workers. <sup>2</sup>	Average, weighted by production-worker employment, of the average weekly overtime hours for component cells.
Gross average hourly earnings .....	Total production- or nonsupervisory-worker payroll divided by total production- or nonsupervisory-worker hours. <sup>2</sup>	Average, weighted by aggregate hours, of the average hourly earnings for component cells.
Gross average weekly earnings .....	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
<b>Annual average data</b>		
All employees, women employees, and production or nonsupervisory workers .....	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross average weekly hours .....	Annual total of aggregate hours (production- or nonsupervisory-worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours .....	Annual total of aggregate overtime hours (production-worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime hours for production workers divided by annual sum of employment for these workers
Gross average hourly earnings .....	Annual total of aggregate payrolls (product of production- or nonsupervisory-worker employment by weekly hours and hourly earnings) divided by annual aggregate hours.	Annual total by aggregate payrolls divided by annual aggregate hours.
Gross average weekly earnings .....	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.

<sup>1</sup> The estimates result from multiplying the product shown by bias adjustment factors to compensate for the underrepresentation of newly formed enterprises in the sample and other bias sources.

<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.

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 1982 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 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,

**Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1982**

Industry division	Benchmark, March 1982	Estimate, March 1982	Percent difference
Total .....	89,566,000	89,679,000	0.1
Mining .....	1,205,000	1,178,000	2.2
Construction .....	3,638,000	3,631,000	.2
Manufacturing .....	19,213,000	19,207,000	( <sup>1</sup> )
Transportation and public utilities .....	5,070,000	5,049,000	.4
Wholesale and retail trade .....	20,062,000	20,306,000	-1.2
Finance, insurance, and real estate .....	5,294,000	5,304,000	-.2
Services .....	18,888,000	18,828,000	.3
Government .....	16,196,000	16,176,000	.1

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

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 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 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

**Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1982<sup>1</sup>**

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total .....	189,000	36,371,200	41
Mining .....	2,600	434,500	36
Construction .....	18,600	721,800	20
Manufacturing .....	47,700	10,612,300	55
Transportation and public utilities:			
Railroad transportation (ICC) .....	37	401,800	92
Other transportation and public utilities .....	8,500	2,840,800	61
Wholesale and retail trade .....	45,900	3,511,300	18
Finance, insurance, and real estate .....	13,100	1,967,100	37
Services .....	31,600	4,150,600	22
Government:			
Federal <sup>2</sup> .....	5,000	2,725,000	100
State and local .....	16,000	9,006,000	67

<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 5,000 reports covering about 63 percent of employment in Federal establishments.

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-

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

(In percent)

Industry division	Average benchmark revision in estimates of employment <sup>1</sup>	Relative errors <sup>2</sup>	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment .....	0.4	-	-
Total private .....	.4	0.1	0.2
Mining .....	1.4	1.0	1.3
Construction .....	1.9	.2	.5
Manufacturing .....	.3	.1	.2
Durable goods .....	.3	.1	.3
Nondurable goods .....	.4	.1	.2
Transportation and public utilities .....	.4	.7	.6
Trade .....	.8	.1	.3
Wholesale .....	.4	.2	.4
Retail .....	1.0	.2	.4
Finance, insurance, and real estate .....	.4	.2	.4
Services .....	.6	.4	.6
Government <sup>3</sup> .....	.5	-	-

<sup>1</sup> The average percent revision in employment for the following benchmarks: 1978, 1979, 1980, 1981, and 1982.

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

<sup>3</sup> Estimates for government are based on a total count for Federal Government and, prior to the March 1979 revision, samples for State and local government benchmarked to a quinquennial census of government conducted by the Bureau of the Census.

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.

**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.

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 are collected and prepared by State agencies in cooperation with BLS. The area statistics relate to metropolitan areas. Definitions for all areas are published each year in the issue of *Employment and Earnings* that contains State and area annual averages (usually the May issue). Changes in definitions are noted as they occur. Additional industry detail may be obtained from the State agencies listed on the inside back cover of each issue. These statistics are based on the same establishment reports used by BLS for preparing national estimates. For employment, the sum of the State figures may differ slightly from the equivalent official U.S. totals on a national basis, because some States have more recent benchmarks than others and because of the effects of differing industrial and geographic stratification.

For the States and the areas shown in the B and C sections of this periodical, all the annual average data for the detailed industry statistics currently published by

each cooperating State agency are presented in a summary volume published annual by the BLS.

### PRODUCTIVITY DATA

Tables C-9, C-10, and C-11 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.

### Definitions

*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 include 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* includes 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 hous-

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

Category	Root-mean-square error of--	
	Monthly level	Month-to-month change
<b>INDUSTRY DIVISIONS</b>		
Total nonagricultural employment .....	101,000	88,000
Goods producing .....	42,000	36,000
Mining .....	5,000	5,000
Construction .....	22,000	18,000
Manufacturing .....	33,000	29,000
Durable two-digit industries .....	6,300	5,900
Nondurable two-digit industries .....	4,500	4,500
Service-producing .....	77,000	72,000
Transportation and public utilities .....	14,000	15,000
Wholesale and retail trade .....	31,000	28,000
Finance, insurance, and real estate .....	8,000	7,000
Services .....	30,000	24,000
Government .....	61,000	53,000

NOTE: Division level data are based on differences from January 1977 through December 1982. Two-digit industry data are based on differences from January 1982 through December 1982.

ing, 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.

## State and Area Unemployment 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.

### ESTIMATING METHODS

Labor force and unemployment in 10 large States: New York, California, Illinois, Ohio, New Jersey, Pennsylvania, Michigan, Texas, Massachusetts, and Florida; and two areas: Los Angeles-Long Beach metropolitan area and New York city, are sufficiently reliable to be used directly from the CPS. For a description of the CPS concepts see "Household Data," above.

Monthly labor force and unemployment estimates in the remaining 40 States, District of Columbia, and 239 labor market areas are prepared in several stages. 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 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 residences 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 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 experienced unemployed; (c) the level of experienced labor force; and (d) proportion of the working age population that is considered "youth." The composite estimate of total entrants is defined as:

$$U = A(X + E) + BX, \text{ where}$$

U = total entrant unemployment  
E = total employment  
X = total experienced unemployment  
A, B = synthetic factors incorporating seasonal variation and an assumed relationship between the proportion of youths in the working population and the historical relationship of entrants to the experienced unemployed (B factor) or the experienced labor force (A factor).

3. *Correction factors for employment and unemployment* are then applied at the State level 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 substate LMA estimates to ensure that the substate estimates of employment and unemployment add to the independent State totals. In California and New York, which also have substate areas taken directly from the CPS, the additivity adjustment for the remaining areas is applied to the State total minus the direct CPS area.

5. *Benchmark correction procedures.* Once each year monthly estimates prepared by 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 adjust labor force series since 1973. Tests have shown use of the X-11 ARIMA procedure, which places emphasis on recent data, provides better seasonal adjustments than does the X-11 method alone.

The second change is that seasonal factors are now 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 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 available from BLS upon request.

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 estimates are based on data through March 1983. The ARIMA model options for projecting the data series for 1 year ahead have been used in seasonally 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, 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.

Prior to June 1983, seasonal factors for Federal Government employment were derived from unadjusted data which excluded Christmas temporary workers employed by the Postal Service. In earlier years the number of these workers were 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 factors were based. In the past several years, the number of these workers have decreased to the point where their presence has no impact on seasonal adjustment. Beginning with the release of revised seasonal factors in June 1983, Christmas temporary Postal workers are not excluded from the calculation of seasonal factors for Federal Government employees. This change affects the seasonally adjusted Federal Government series from January 1978 forward. Temporary census takers for the 1980 decennial census will continue to be removed prior to the calculation of seasonal factors for Federal Government employment. The revised seasonally adjusted series for the establishment data reflect experience through March 1983. Seasonal factors to be used for current adjustment appear in the June 1983 issue of *Employment and Earnings*.



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