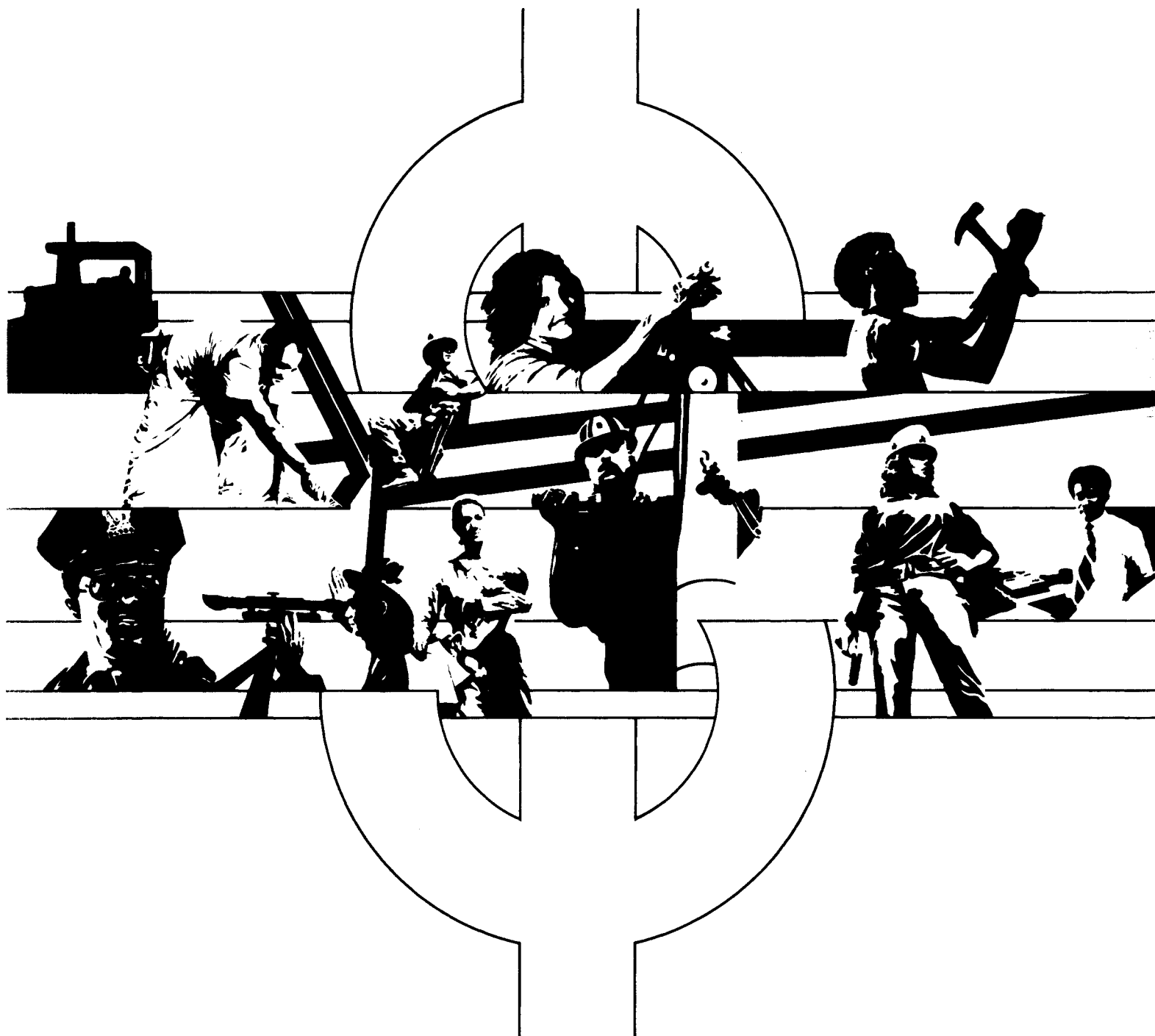


Employment and Earnings

April 1981



U.S. Department of Labor
Bureau of Labor Statistics





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 employment detail (final)	Mar.
National data adjusted to new benchmarks	July ¹
Revised historical national data adjusted to new benchmarks	Supplement ²
Revised seasonally adjusted series	July ³
State and area annual averages	May
Area definitions	May

¹ The issue that introduces new benchmark varies. The July 1980 issue introduced March 1979 benchmarks.

² Month of publication of annual supplement varies. The latest supplement was published in September 1980.

³ Issue varies. Latest revised data introduced July 1980.

Employment and Earnings

Vol. 28 No. 4 April 1981

Editors: Gloria P. Green, Gloria P. Goings, Rosalie K. Epstein

Contents

	<i>Page</i>
List of statistical tables	2
Employment and unemployment developments, March 1981	6
Charts	8
Statistical tables:	
Not seasonally adjusted—	
Household data	22
Quarterly averages	59
Establishment data:	
Employment	85
Hours and earnings	117
Labor turnover	148
State and area unemployment data	157
Seasonally adjusted series—	
Household data	44
Quarterly averages	51
Establishment data:	
Employment	102
Hours and earnings	138
Productivity	140
Labor turnover	153
Explanatory notes . . .	. . 163

MONTHLY HOUSEHOLD DATA

Page

Employment Status

A-1.	Employment status of the noninstitutional population 16 years and over, 1947 to date	20
A-2.	Employment status of the noninstitutional population 16 years and over by sex, 1972 to date	21
A-3.	Employment status of the noninstitutional population by sex, age, and race	22
A-4.	Labor force by sex, age, and race	24
A-5.	Employment status of black workers by sex and age	26
A-6.	Employment status of the noninstitutional population by race, sex, and age	27
A-7.	Employment status of the noninstitutional population 16 to 21 years of age by major activity, sex, and race	28
A-8.	Full- and part-time status of the civilian labor force by sex, age, and race	29
A-9.	Employment status of the noninstitutional population by family relationship	30

Characteristics of the Unemployed

A-10.	Unemployed persons by marital status, race, age, and sex	30
A-11.	Unemployed persons by occupation and sex	31
A-12.	Unemployed persons by industry and sex	31
A-13.	Unemployed persons by reason for unemployment, sex, age, and race	32
A-14.	Unemployed persons by reason for unemployment, sex, age, and duration of unemployment ...	32
A-15.	Unemployed jobseekers by sex, age, race, and jobsearch methods used	33
A-16.	Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used	33
A-17.	Unemployed persons by duration of unemployment	34
A-18.	Unemployed persons by sex, age, race, marital status, and duration of unemployment	34
A-19.	Unemployed persons by occupation, industry, and duration of unemployment	35

Characteristics of the Employed

A-20.	Employed persons by industry, age, and sex	35
A-21.	Employed persons by occupation, sex, and age	36
A-22.	Employed persons by occupation, race, and sex	37
A-23.	Employed persons by age, sex, and class of worker	38
A-24.	Employed persons by industry and occupation	38
A-25.	Employed persons with a job but not at work by reason, sex, and pay status	39
A-26.	Persons at work by hours of work and industry	39
A-27.	Persons at work 1 to 34 hours by reason for working less than 35 hours and usual status	40
A-28.	Nonagricultural workers by industry and full- or part-time status	40
A-29.	Persons at work in nonagricultural industries by sex, age, race, marital status, and full- or part-time status	41
A-30.	Persons at work in nonfarm occupations by sex and full- or part-time status	42

Characteristics of 14- and 15-year-olds

A-31.	Employment status of 14- and 15-year-olds by sex and race	43
A-32.	Employed 14- and 15-year-olds by class of worker, occupation, and sex	43

Seasonally Adjusted Employment and Unemployment Data

A-33.	Employment status of the noninstitutional population by sex and age, seasonally adjusted	44
A-34.	Full- and part-time status of the civilian labor force, seasonally adjusted	45
A-35.	Employment status by race, sex, and age, seasonally adjusted	45
A-36.	Major unemployment indicators, seasonally adjusted	46
A-37.	Unemployed persons by duration of unemployment, seasonally adjusted	46
A-38.	Unemployment rates by sex and age, seasonally adjusted	47
A-39.	Unemployed persons by reason for unemployment, seasonally adjusted	47
A-40.	Employed persons by sex and age, seasonally adjusted	48
A-41.	Unemployed persons by sex and age, seasonally adjusted	48
A-42.	Employed persons by selected social and economic categories, seasonally adjusted	49

Characteristics of Vietnam-era Veterans and Nonveterans

A-43.	Employment status of male Vietnam-era veterans and nonveterans by age	50
-------	---	----

QUARTERLY HOUSEHOLD DATA

Page

Seasonally Adjusted Employment and Unemployment Data

A-44.	Employment status of the noninstitutional population by sex, age, and race, seasonally adjusted	51
A-45.	Full- and part-time status of the civilian labor force by sex and age, seasonally adjusted	52
A-46.	Employment status by race, sex, and age, seasonally adjusted	53
A-47.	Major unemployment indicators, seasonally adjusted	54
A-48.	Unemployed persons by duration of unemployment, seasonally adjusted	55
A-49.	Unemployment rates by sex and age, seasonally adjusted	55
A-50.	Unemployed persons by reason for unemployment, seasonally adjusted	56
A-51.	Employed persons by sex and age, seasonally adjusted	56
A-52.	Employed persons by selected social and economic categories, seasonally adjusted	57

Persons Not in Labor Force

A-53.	Persons not in labor force by reason, sex, and race, seasonally adjusted	58
A-54.	Persons not in labor force by reason, sex, and age	59
A-55.	Persons not in labor force by reason, race, age, and sex	60
A-56.	Persons not in labor force who desire work but think they cannot get jobs by reason, sex, age, and race	60
A-57.	Most recent work experience of persons not in labor force and reason for leaving last job for those who worked during the previous 12 months by sex, age, and race	61
A-58.	Work-seeking intentions of persons not in labor force and work history of those who intend to seek work within the next 12 months by sex, age, and race	61

Race and Hispanic Origin Data

A-59.	Employment status of the noninstitutional population by sex, age, race, and Hispanic origin	62
A-60.	Employment status of persons of Mexican, Puerto Rican, and Cuban origin by sex and age	63
A-61.	Employed persons by selected social and economic categories, race, and Hispanic origin	64
A-62.	Employed persons of Mexican, Puerto Rican, and Cuban origin by selected social and economic categories	65
A-63.	Employed persons by sex, age, race, and Hispanic origin	66
A-64.	Unemployment rates by sex, age, race, and Hispanic origin	66
A-65.	Unemployed persons by duration of unemployment, race, and Hispanic origin	67
A-66.	Unemployed persons by reason for unemployment, race, and Hispanic origin	67

Vietnam-era Veterans and Nonveterans Data

A-67.	Employment status of male Vietnam-era veterans and nonveterans by age	68
A-68.	Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin	68

Metropolitan-nonmetropolitan and Poverty-nonpoverty Area Data

A-69.	Employment status of the noninstitutional population in metropolitan and nonmetropolitan areas by sex, age, and race	69
A-70.	Employment status of the noninstitutional population in poverty and nonpoverty areas by race	70
A-71.	Unemployment rates in poverty and nonpoverty areas by race, sex, and age	70

Family Relationship and Weekly Earnings Data

A-72.	Unemployment in families by type of family, race, Hispanic origin, and presence of employed family members	71
A-73.	Unemployed persons by family relationship, race, Hispanic origin, and presence of employed family members	72
A-74.	Employed persons by family relationship, race, Hispanic origin, and presence of additional employed family members	73
A-75.	Median weekly earnings of families by type of family, number of earners, race, and Hispanic origin	74
A-76.	Families with unemployed members and wage and salary workers by type of family and median weekly earnings	75
A-77.	Median weekly earnings of full-time wage and salary workers by selected characteristics	76
A-78.	Median weekly earnings of part-time wage and salary workers by selected characteristics	77
A-79.	Median weekly earnings of full-time wage and salary workers by occupation and sex	78

ANNUAL AVERAGES—HOUSEHOLD DATA

Page

Weekly Earnings Data

1.	Median weekly earnings of families by type of family, number of earners, race, and Hispanic origin	79
2.	Families with unemployed members and wage and salary workers by type of family and median weekly earnings	80
3.	Median weekly earnings of full-time wage and salary workers by selected characteristics	81
4.	Median weekly earnings of part-time wage and salary workers by selected characteristics	82
5.	Median weekly earnings of full-time wage and salary workers by occupation and sex	83

MONTHLY ESTABLISHMENT DATA

Employment—National

B- 1.	Employees on nonagricultural payrolls by industry division, 1920 to date	85
B- 2.	Employees on nonagricultural payrolls by industry	86
B- 3.	Women employees on nonagricultural payrolls by industry	95
B- 4.	Employees on nonagricultural payrolls by industry, seasonally adjusted	102
B- 5.	Women employees on nonagricultural payrolls by industry, seasonally adjusted	103
B- 6.	Production or nonsupervisory workers on private nonagricultural payrolls, seasonally adjusted	104
B- 7.	Indexes of diffusion: Percent of industries in which employment increased	105

Employment—State and Area

B- 8.	Employees on nonagricultural payrolls for States and selected areas by industry division	106
-------	--	-----

Hours and Earnings—National

C- 1.	Gross hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls by industry division, 1960 to date	117
C- 2.	Gross hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls by industry	118
C- 3.	Employment, hours, and indexes of earnings in the Executive Branch of the Federal Government	134
C- 4.	Average hourly earnings excluding overtime of production workers on manufacturing payrolls by industry	134
C- 5.	Gross and spendable average weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, in current and 1967 dollars	135
C- 6.	Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers on private nonagricultural payrolls	136
C- 7.	Average weekly hours of production or nonsupervisory workers on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted	138
C- 8.	Indexes of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted	139
C- 9.	Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, seasonally adjusted	140
C-10.	Hours of wage and salary workers in nonagricultural establishments by industry division	140
C-11.	Indexes of output and compensation per hour, unit costs, and prices, private business sector, seasonally adjusted	141
C-12.	Percent changes from preceding quarter and year in productivity, hourly compensation, unit costs, and prices, private business sector, seasonally adjusted at annual rate	142

MONTHLY ESTABLISHMENT DATA—Continued

	<i>Page</i>
Hours and Earnings—State and Area	
C-13. Gross hours and earnings of production workers on manufacturing payrolls by State and selected areas .....	.. 143
Labor Turnover—National	
D-1. Labor turnover rates in manufacturing, 1970 to date .....	.. 148
D-2. Labor turnover rates by industry .....	.. 149
D-3. Labor turnover rates in manufacturing, 1970 to date, seasonally adjusted .....	.. 153
Labor Turnover—State and Area	
D-4. Labor turnover rates in manufacturing for selected States and areas ...	.. 154

MONTHLY STATE AND AREA UNEMPLOYMENT DATA

E-1. Labor force and unemployment by State and selected metropolitan areas 157
--	--------

Employment and Unemployment Developments, March 1981

Unemployment was unchanged in March, while the two major employment series showed different developments. The Nation's unemployment rate was 7.3 percent, the same as it had been in February but down from 1980's high of 7.6 percent.

The series on total employment—derived from the monthly survey of households—showed an increase of nearly 500,000 in March to 98.4 million. In contrast, the series on nonfarm payroll employment—derived from the monthly survey of establishments—was unchanged over the month at 91.6 million. Since last summer, however, both series have recorded sizable increases in employment.

Unemployment

The Nation's unemployment rate was 7.3 percent in March, and the number of unemployed workers was 7.8 million. Both measures have been about unchanged since December (after adjustment for seasonality). Unemployment rates for most major worker groups have also been relatively stable for the past several months. March rates were 7.1 percent for full-time workers, 5.9 percent for adult men, 6.6 percent for adult women, 19.1 percent for teenagers, 6.5 percent for whites, and 13.7 percent for black and other workers. (See tables A-33 and A-36.)

The number of persons on layoff, plus those permanently separated from their jobs (job losers), at 3.8 million in March, was little changed from the previous 2 months. The number of job losers was down more than half a million since last summer but was still more than 800,000 higher than in March 1980. (See table A-39.)

There was little change in the average duration of unemployment in March. Since December, however, there has been a slight decrease in the number of persons unemployed for 15 weeks or longer. (See table A-37.)

Total employment and the labor force

Both total employment and the civilian labor force increased by about half a million, advancing to 98.4 million and 106.2 million, respectively. Adult men accounted for over 70 percent of the over-the-month change in both of these series. (See table A-33.)

Since July, total employment has increased by about 1.4 million. The number of employed adult men and women each rose by about 800,000. The number of employed teenagers dropped by 200,000 over this period, reflecting, in part, a decline in their population.

The civilian labor force increased by 2.1 million over the past year. Adult women, whose labor force participation rate reached an all-time high of 52.1 percent in March, accounted for about two-thirds of this growth.

Discouraged workers

The number of discouraged workers in the first quarter of 1981 was 1.1 million, slightly above the level of the previous quarter and 165,000 higher than a year earlier. (Discouraged workers are persons who report that they want to work but are not looking for jobs because they believe they cannot find any.) Women accounted for most of the over-the-year increase. Almost 80 percent of discouraged workers cited job-market factors as the reason for their discouragement; the remainder cited personal reasons. (See table A-53.)

Industry payroll employment

The number of employees on nonagricultural payrolls was unchanged in March at 91.6 million. The total number of payroll jobs had advanced by 1.8 million from July through February, recouping employment losses which occurred in early 1980; however, not all industry divisions have fully recovered from the 1980 recession effects. (See table B-4.)

Manufacturing employment remained at 20.4 million in March. Although the number of factory jobs has risen substantially since July, employment in the industry was still three-quarters of a million below its June 1979 pre-recession high.

Employment in construction and mining was unchanged over the month at 4.5 and 1.1 million, respectively. The number of construction jobs was still about 230,000 below the January 1980 peak. By contrast, employment in mining, which had increased fairly steadily during 1980, was about 85,000 above the year-earlier level.

In the service-producing sector, only State and local government—down by 55,000—showed any substantial movement over the month. This was about offset by small gains in trade and services. Employment in the service-producing sector rose steadily over the past year and was about 1 million above its March 1980 level, but only trade, services, and finance, insurance, and real estate contributed to the growth.

Hours of work

Following a decline of 0.2 hour in February, the average workweek of production or nonsupervisory workers on private nonfarm payrolls edged up 0.1 hour in March to 35.4 hours. The manufacturing workweek was also up a tenth of an hour, following a large decline in February. At 40.0 hours, the factory workweek was at about the same level as at the end of 1980. Manufacturing overtime, at 2.9 hours, was unchanged over the month. (See table C-7.)

Reflecting the gain in weekly hours, the index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls increased 0.2 percent in March to 126.5 (1967 = 100). The manufacturing index rose 0.4 percent over the month, offsetting some of the February decline; the index was 6.2 percent

higher than last July's low but still 3.5 percent below its year-earlier level. (See table C-8.)

Hourly and weekly earnings

Average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls rose 0.7 percent over the month (seasonally adjusted). Average weekly earnings were up 1.0 percent from February. Before adjustment for seasonality, average hourly earnings increased 4 cents in March to \$7.10, 59 cents above the year-earlier level. Average weekly earnings were \$249.92, up \$2.82 over the month and \$20.77 since March 1980. (See tables C-1 and C-9.)

The Hourly Earnings Index

The Hourly Earnings Index—earnings adjusted for overtime in manufacturing, seasonality, and the effects of changes in the proportion of workers in high-wage and low-wage industries—was 268.5 (1967 = 100) in March, 0.8 percent higher than in February. The Index was 9.5 percent above March a year ago. In dollars of constant purchasing power, the Index decreased 1.4 percent during the 12-month period ended in February. (See table C-9.)

CHARTS

1. Labor force and employment, 1962-81	8
2. Major unemployment indicators, 1962-81	9
3. Civilian labor force participation rates by sex and age, 1962-81	9
4. Total employment by sex and age, 1962-81	10
5. Employment-population ratios by sex and age, 1962-81	11
6. Payroll employment in goods- and service-producing industries, 1962-81	11
7. Nonagricultural payroll employment by industry, 1962-81	12
8. Persons at work full and part time in nonagricultural industries, 1962-81	13
9. Employment in nonfarm occupations, 1962-81	14
10. Unemployment rates by sex and age, 1962-81	15
11. Unemployment rates by race, 1962-81	15
12. Unemployment rates by major occupational group, 1962-81	16
13. Duration of unemployment, 1962-81	17
14. Average weekly hours in nonagricultural industries, 1962-81	18
15. Average weekly earnings in nonagricultural industries, 1962-81	18
16. Total private gross and spendable weekly earnings, 1962-81	19
17. Labor turnover rates in manufacturing, 1962-81	19

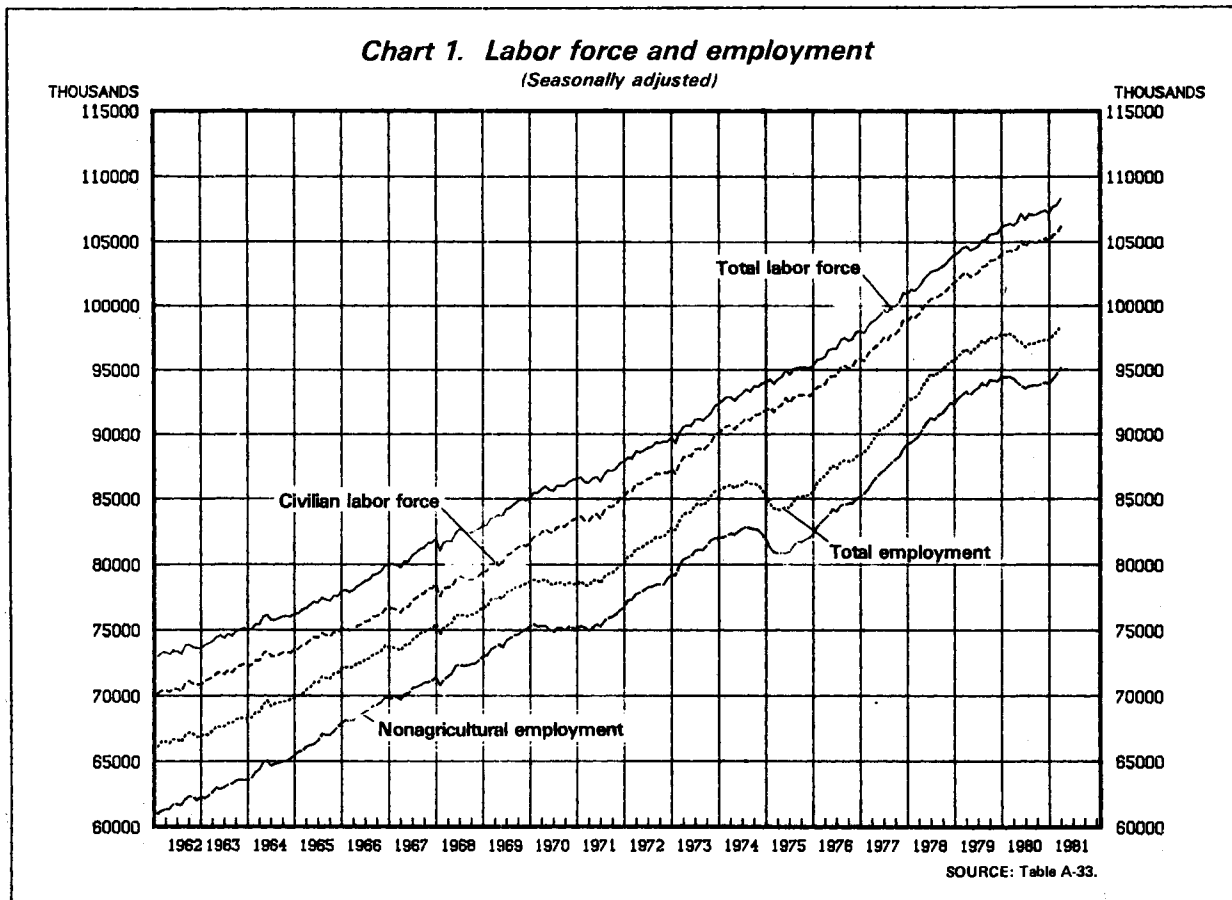
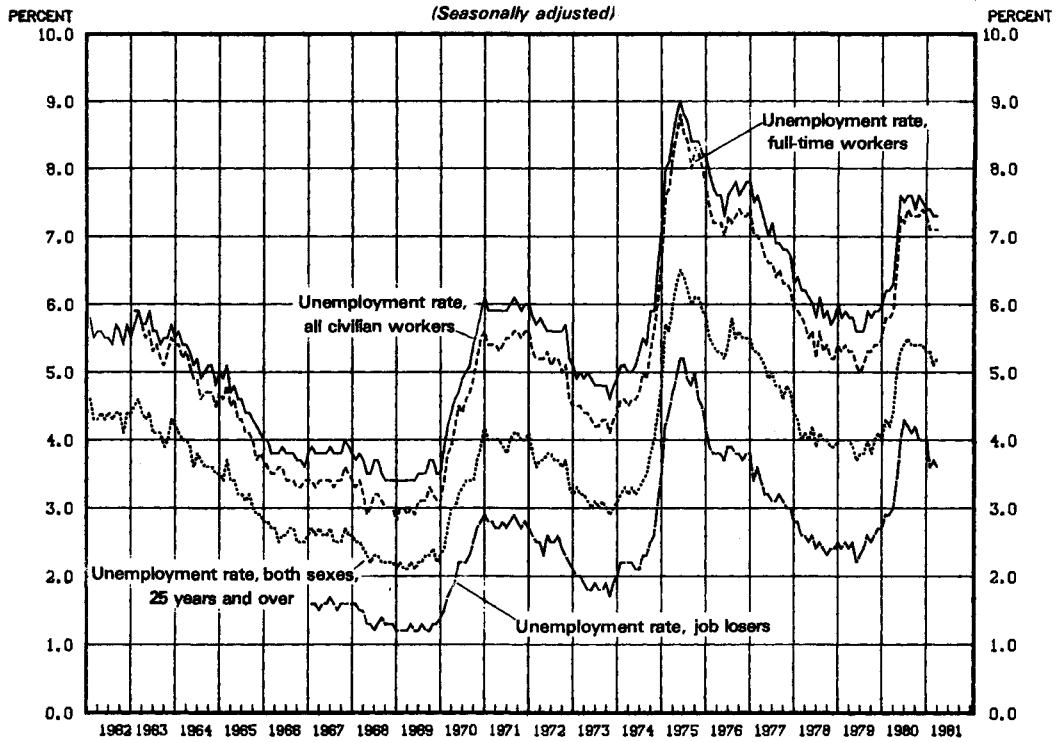


Chart 2. Major unemployment indicators

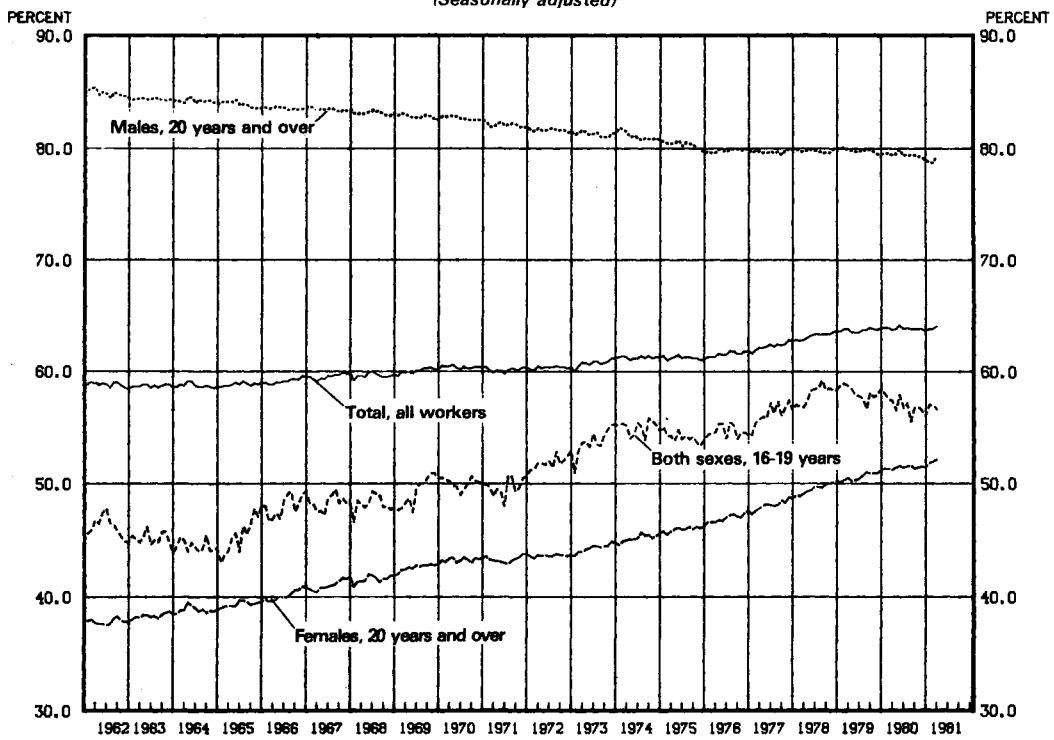
(Seasonally adjusted)



SOURCE: Tables A-36, A-38, and A-39.

Chart 3. Civilian labor force participation rates by sex and age

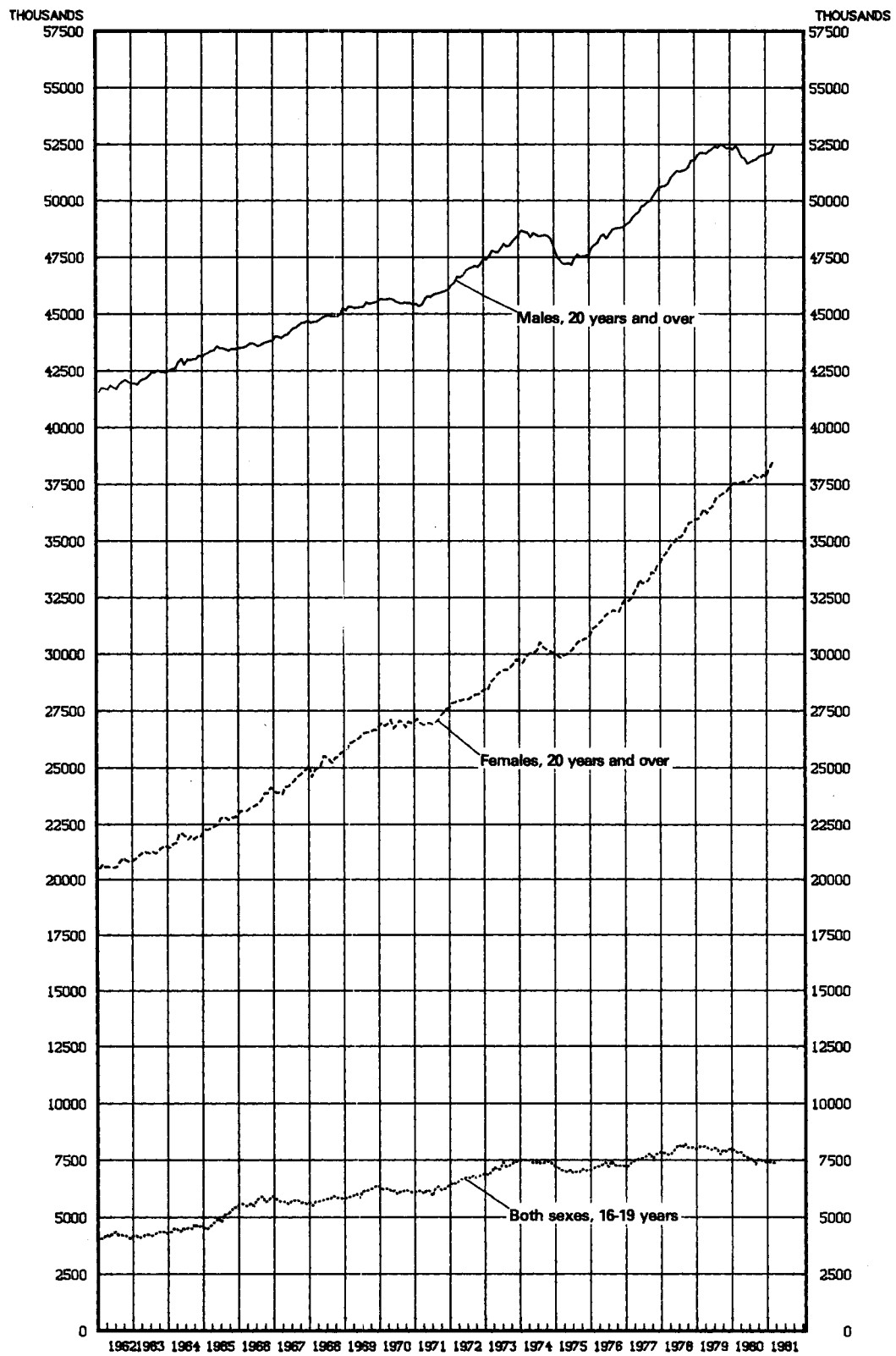
(Seasonally adjusted)



SOURCE: Table A-33.

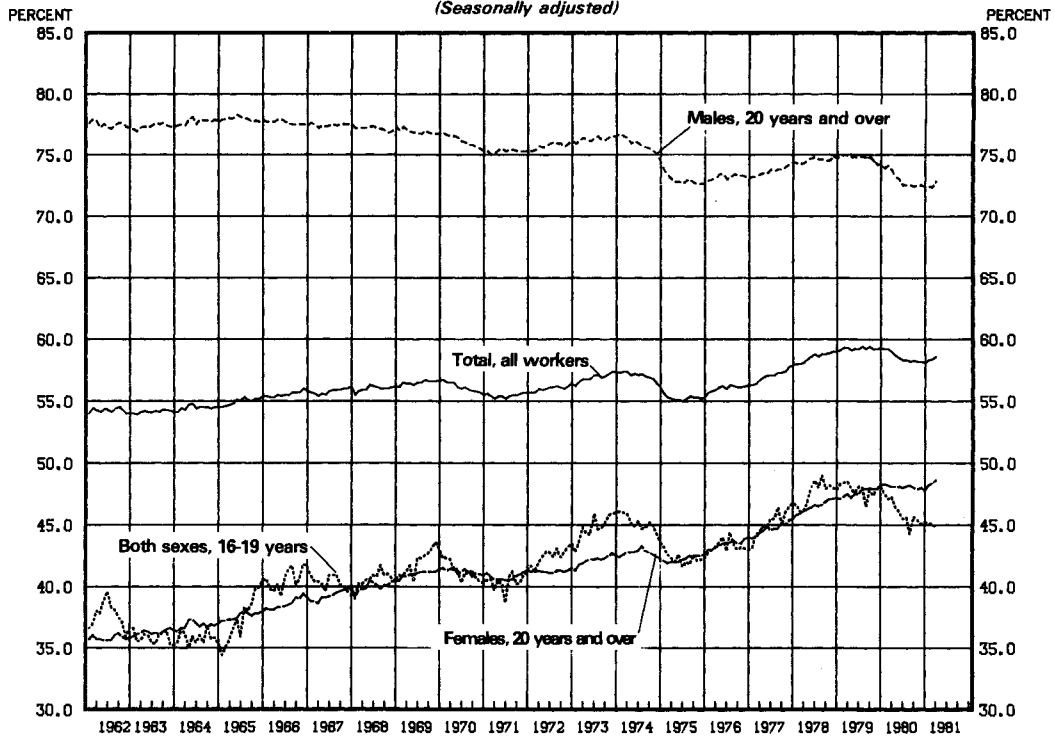
Chart 4. Total employment by sex and age

(Seasonally adjusted)



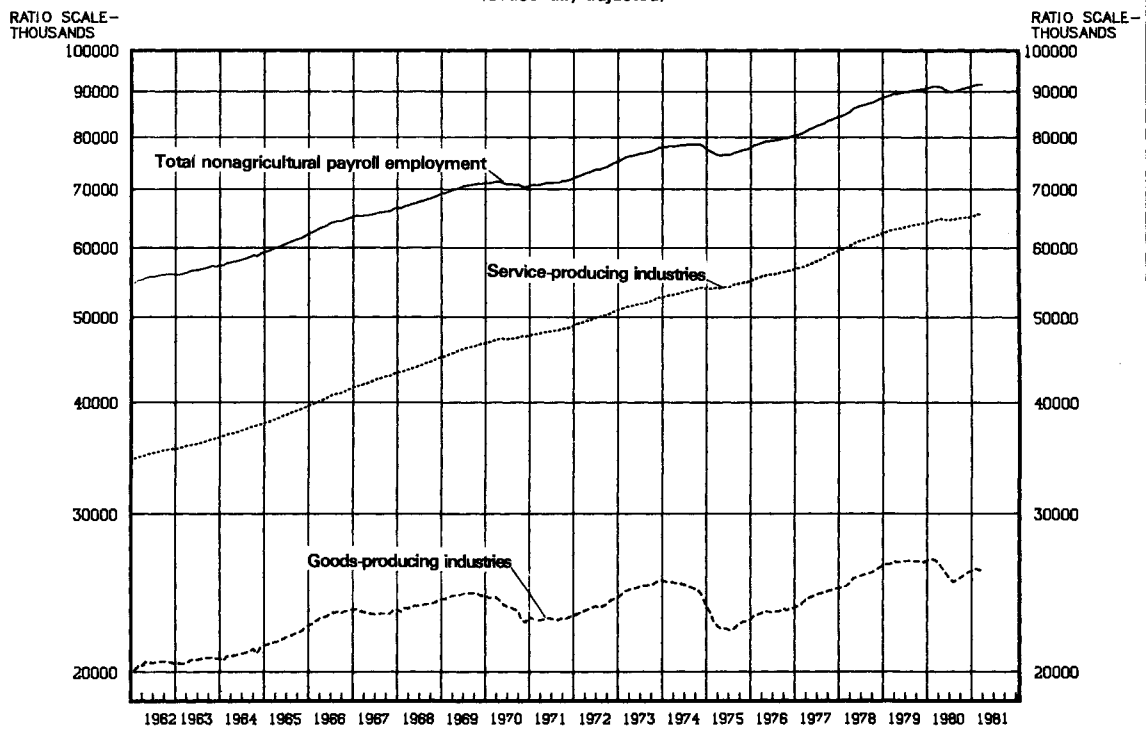
SOURCE: Table A-33.

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



SOURCE: Table A-33.

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

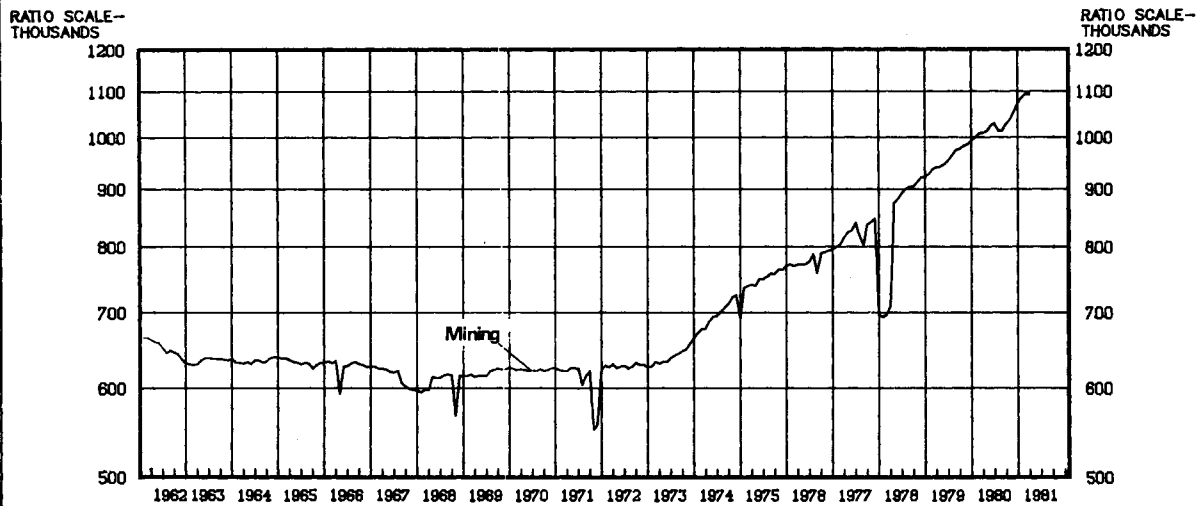
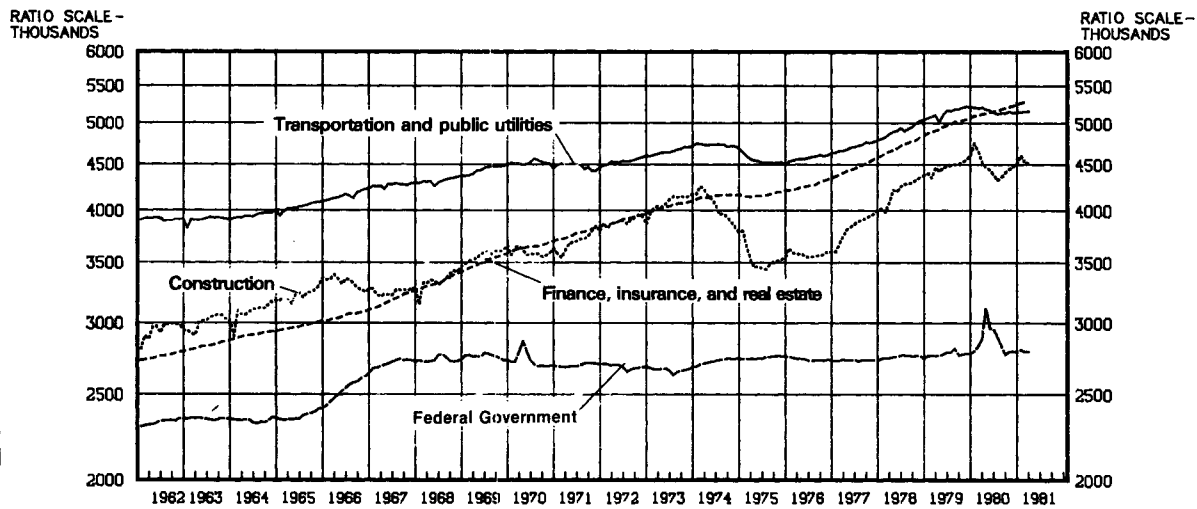
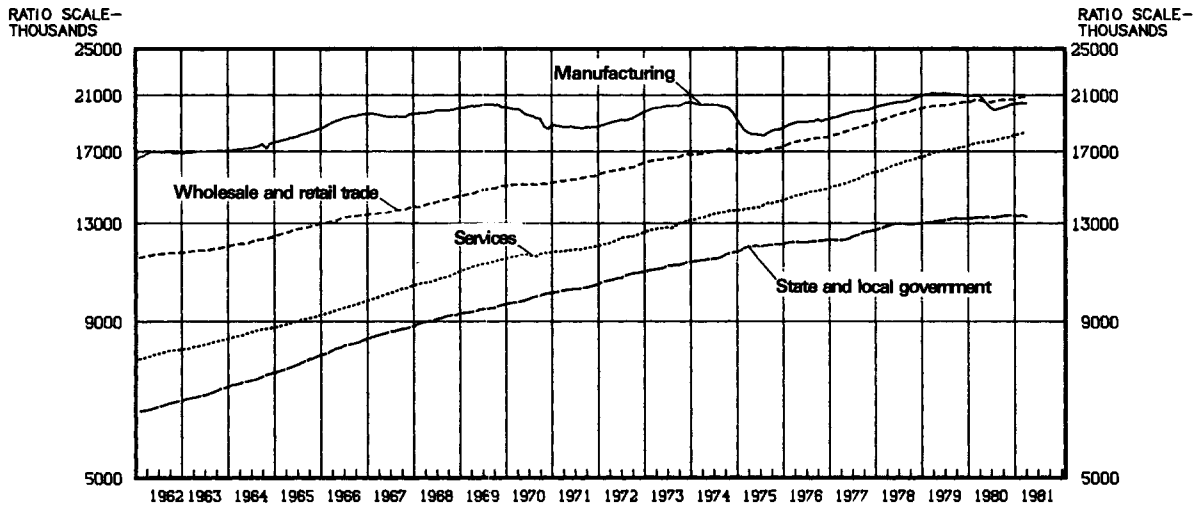


NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-4.

Chart 7. Nonagricultural payroll employment by industry

(Seasonally adjusted)

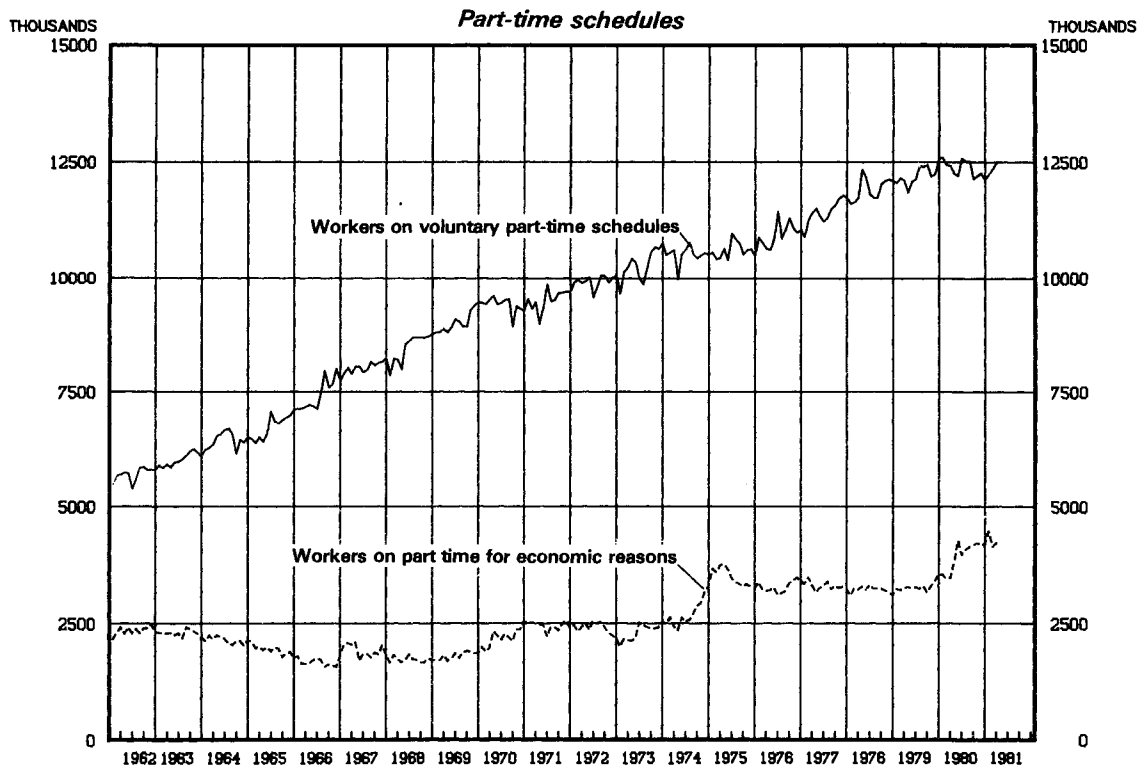
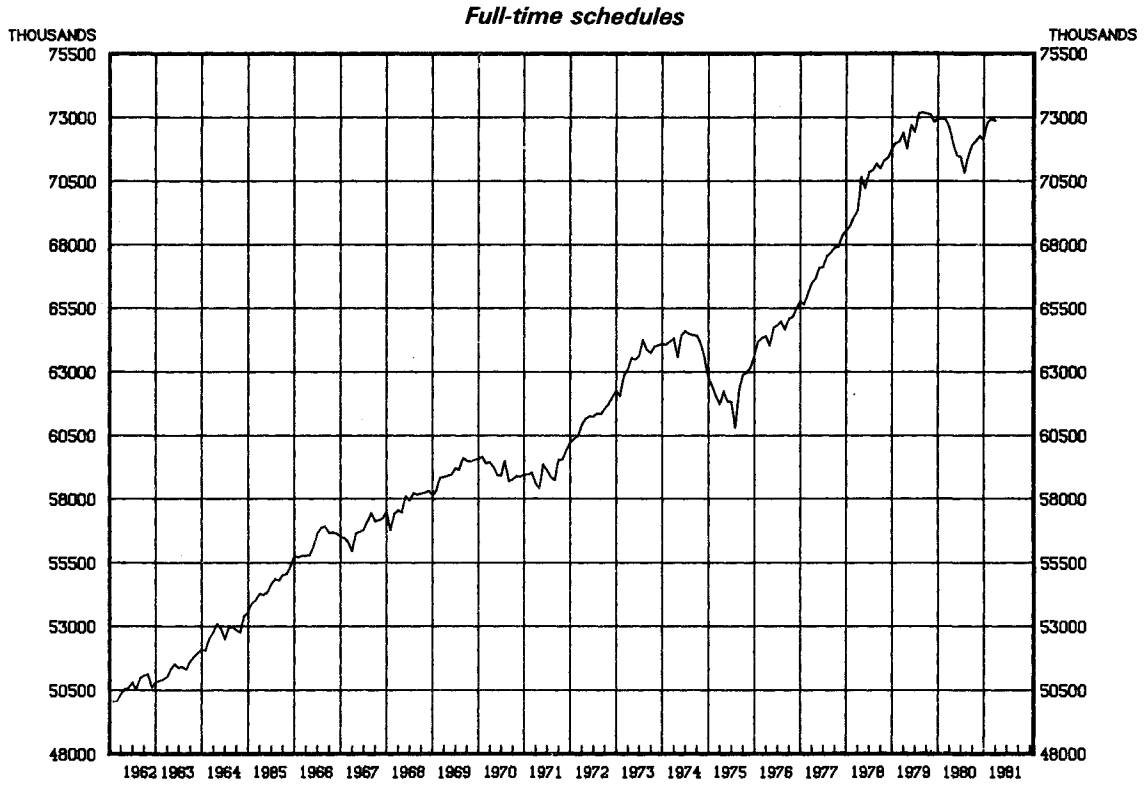


NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-4.

Chart 8. Persons at work full and part time in nonagricultural industries

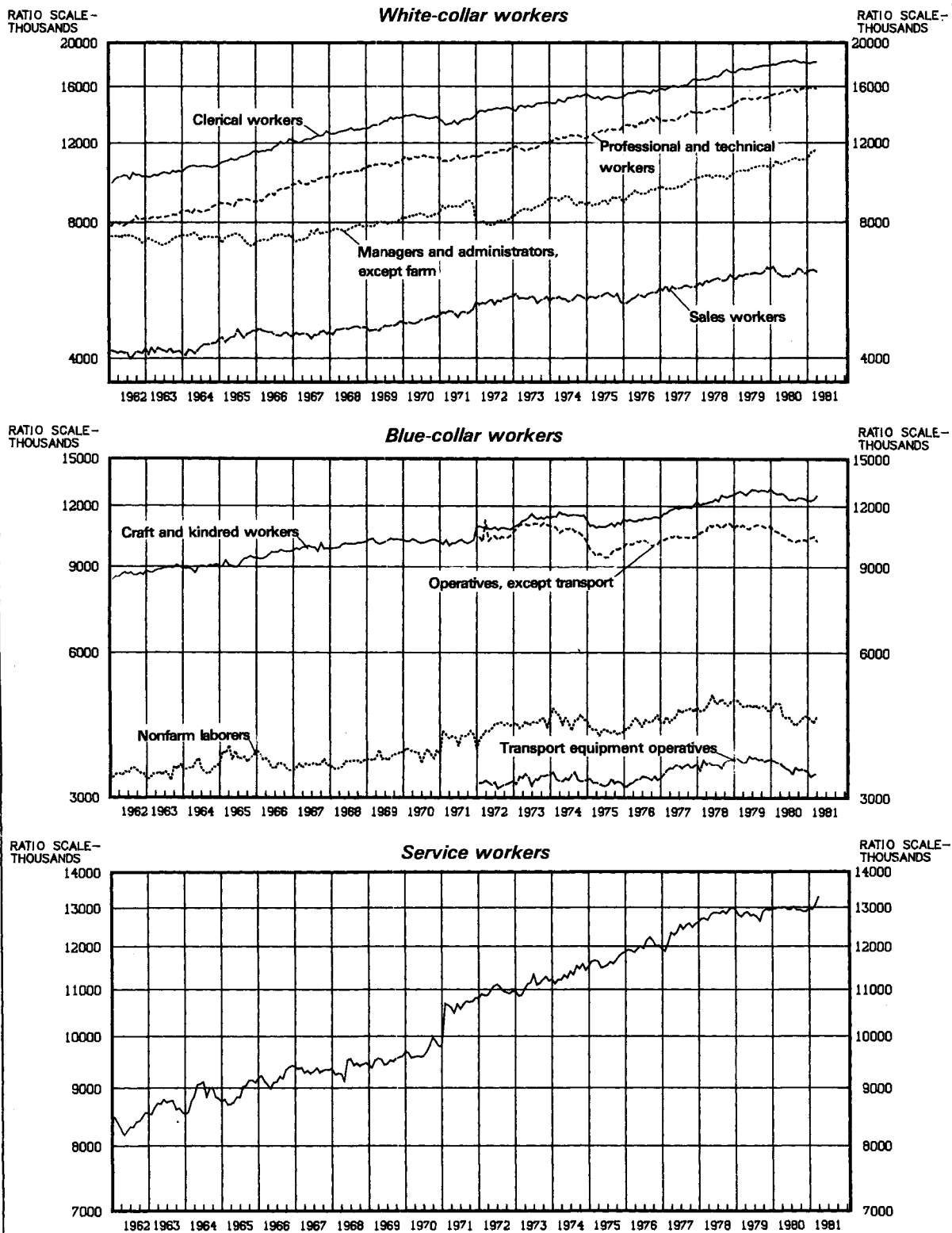
(Seasonally adjusted)



SOURCE: Table A-42.

Chart 9. Employment in nonfarm occupations

(Seasonally adjusted)



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

SOURCE: Table A-42.

Chart 10. Unemployment rates by sex and age

(Seasonally adjusted)

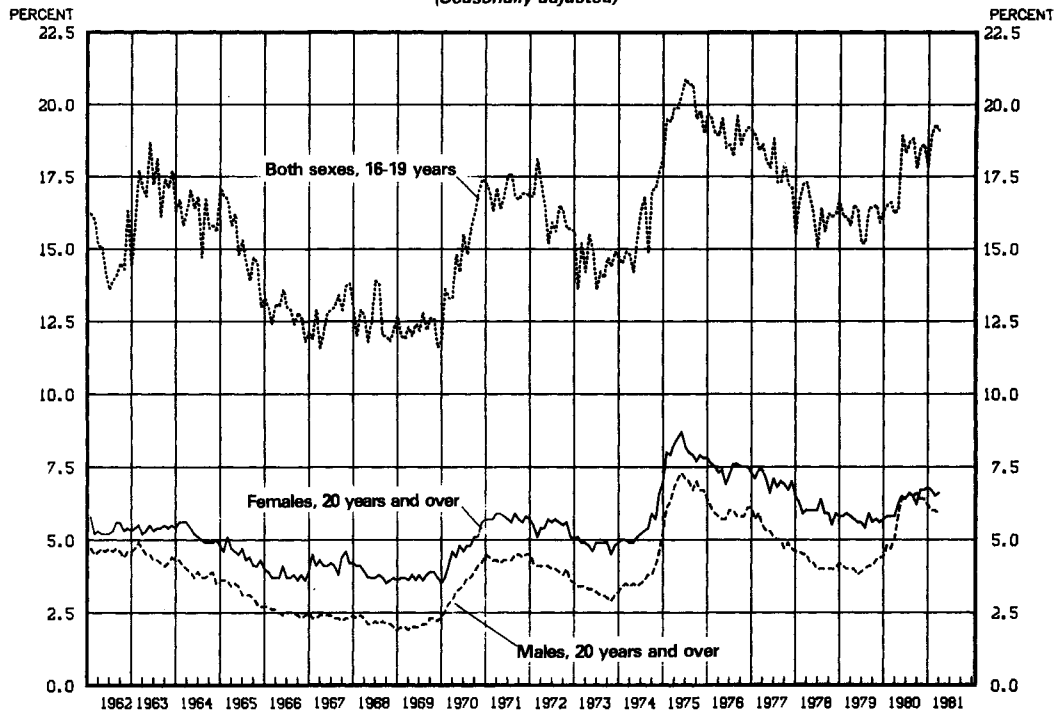
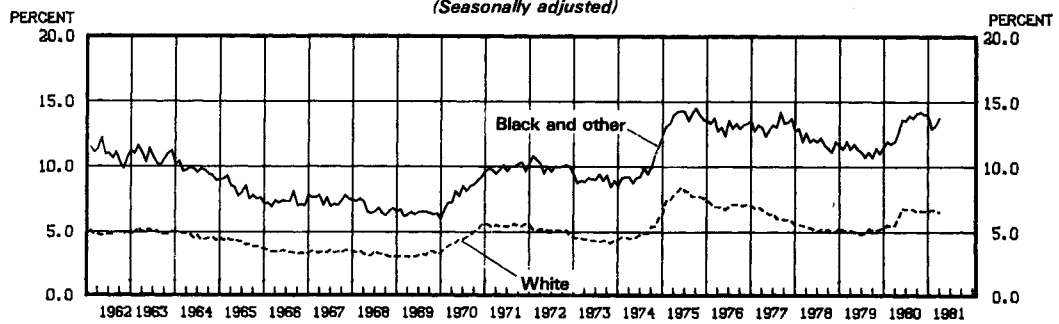
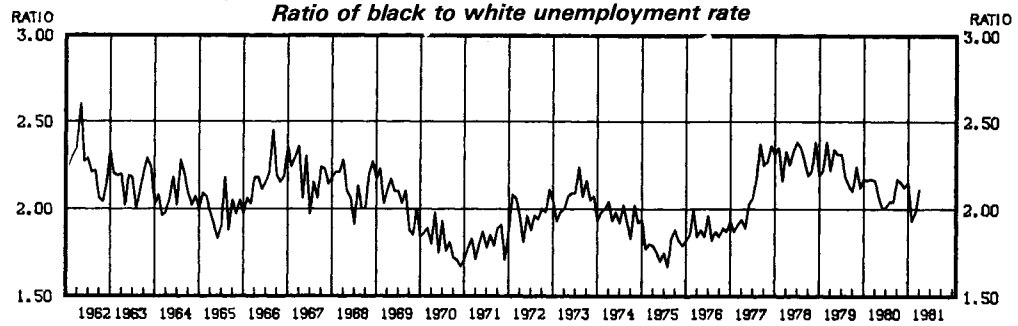


Chart 11. Unemployment rates by race

(Seasonally adjusted)

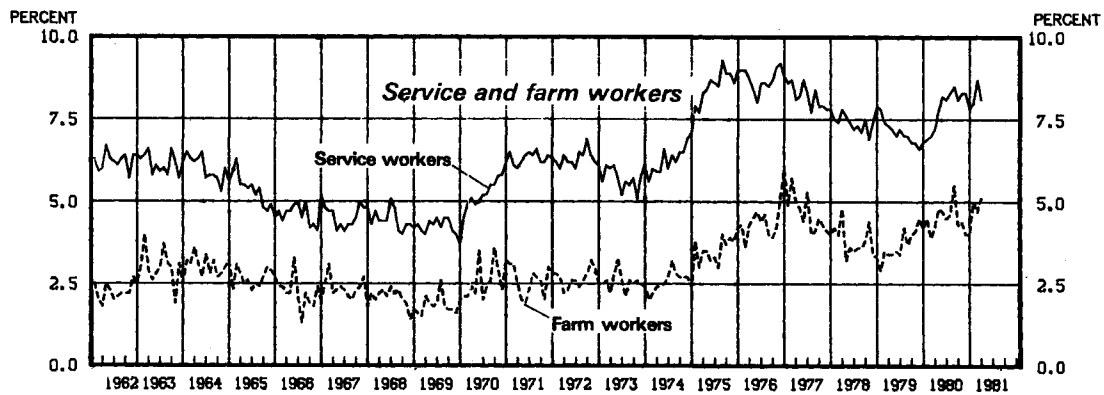
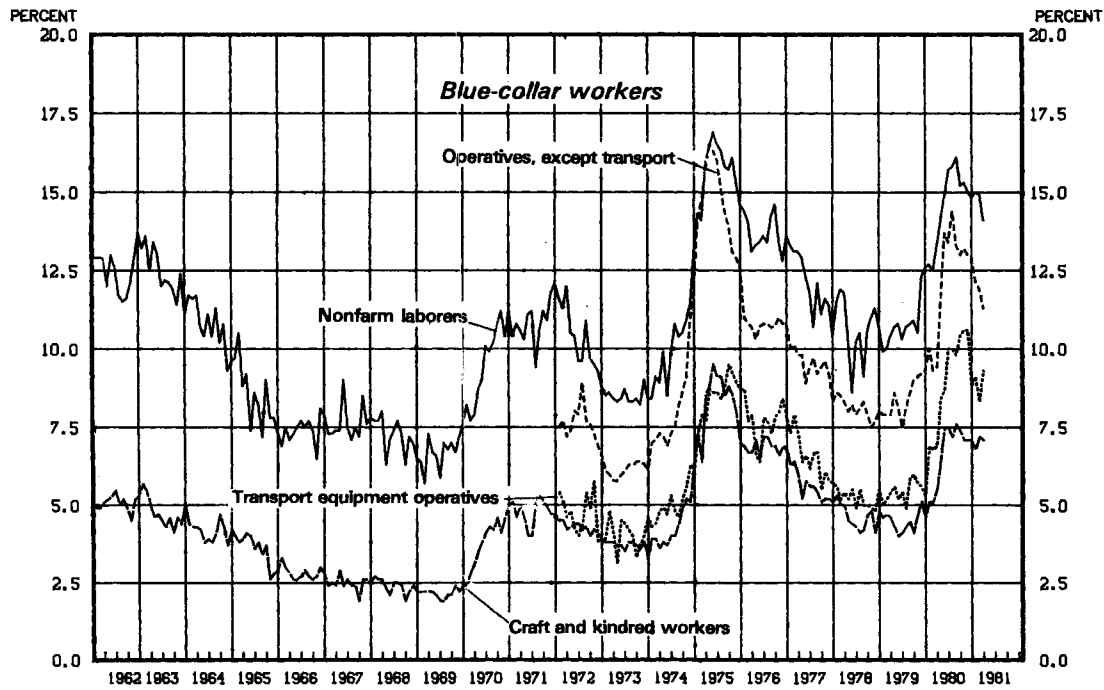
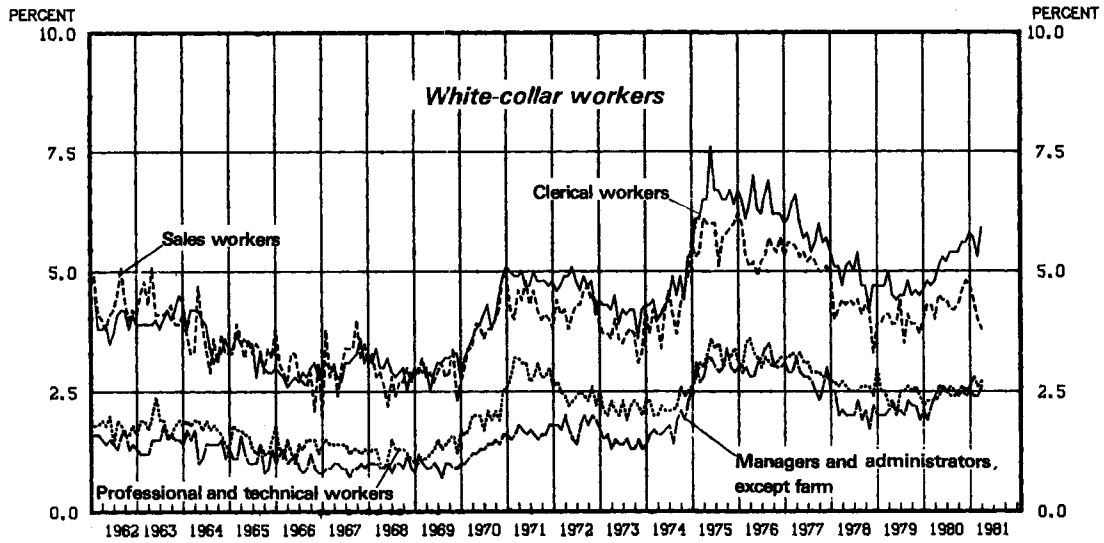


Ratio of black to white unemployment rate



SOURCE: Table A-35.

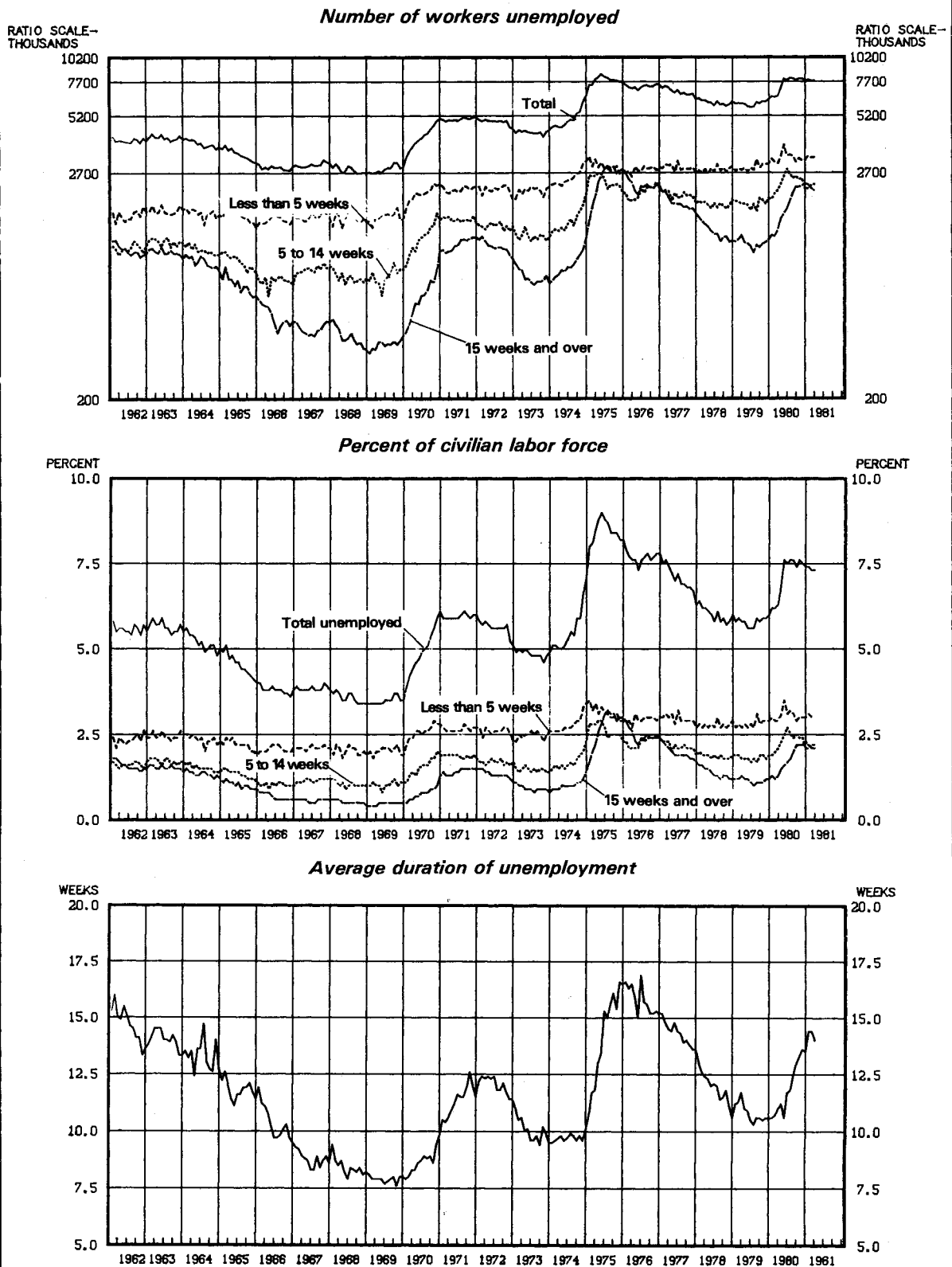
Chart 12. Unemployment rates by major occupational group
(Seasonally adjusted)



SOURCE: Table A-36.

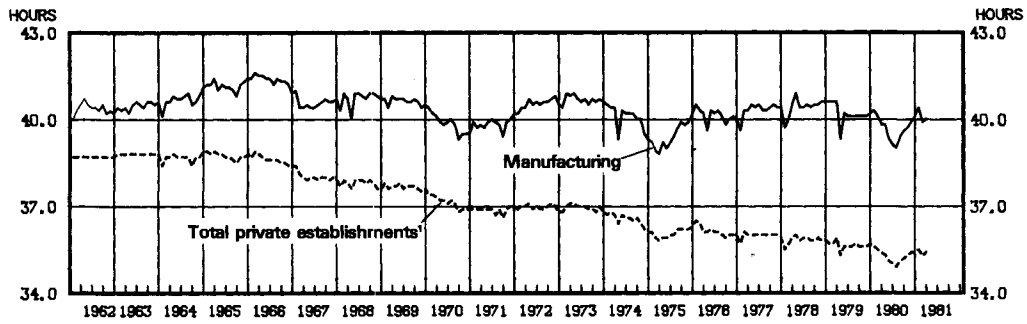
Chart 13. Duration of unemployment

(Seasonally adjusted)

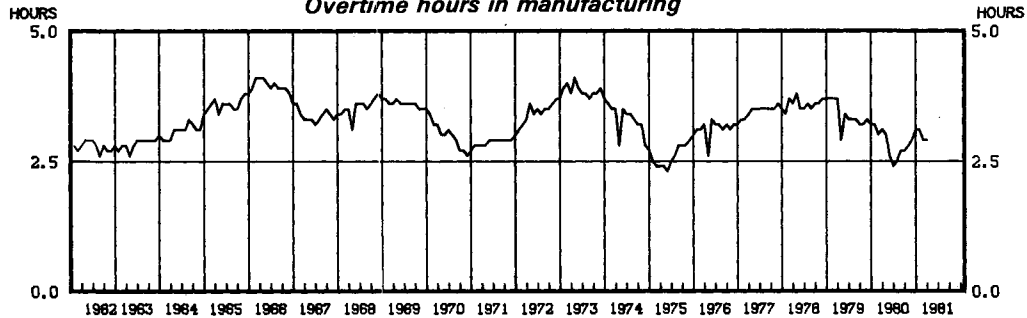


SOURCE: Table A-37.

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



Overtime hours in manufacturing

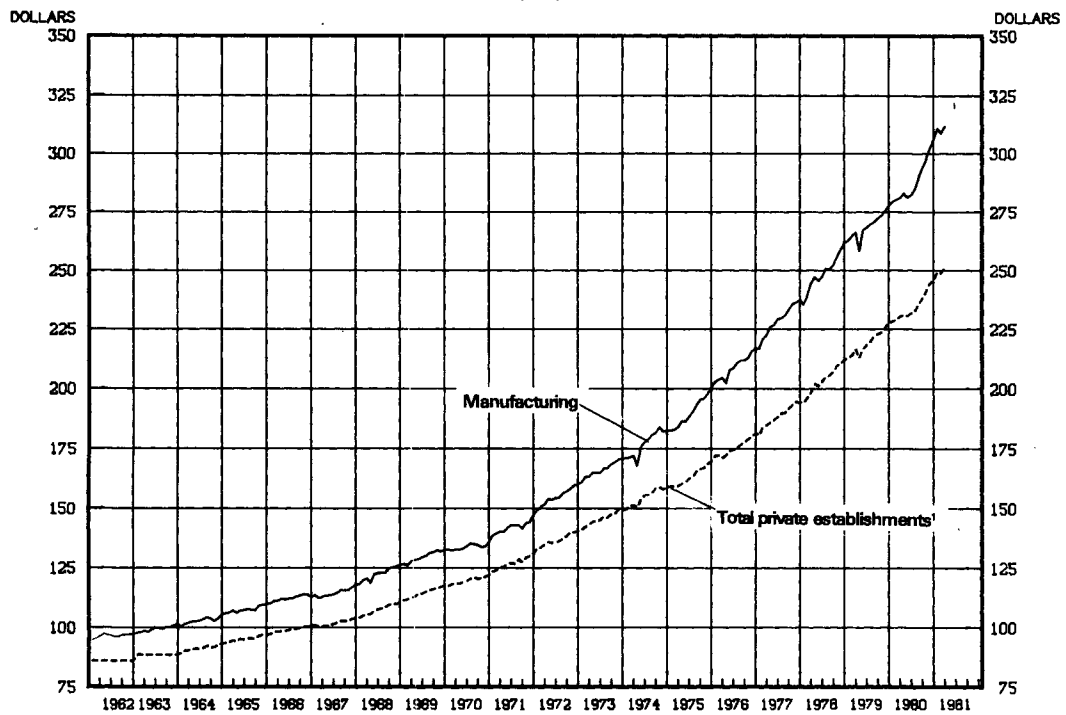


¹Annual averages prior to 1964.

NOTE: Data for two most recent months are preliminary.

SOURCE: Table C-7.

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



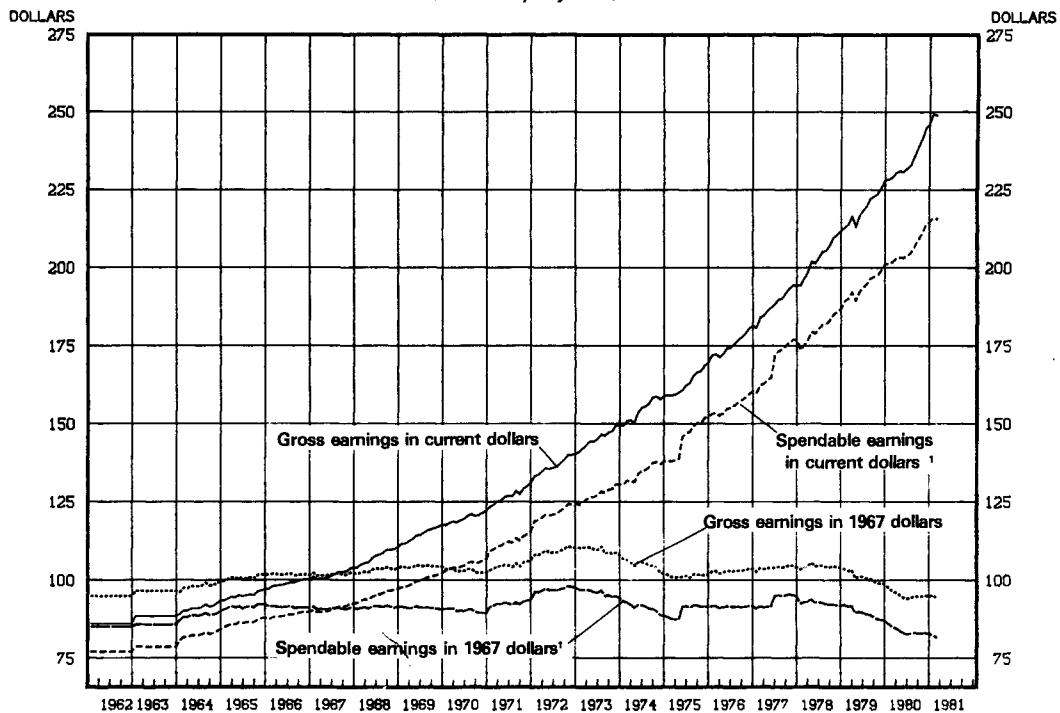
¹Annual averages prior to 1964.

NOTE: Data for two most recent months are preliminary.

SOURCE: Tables C-7 and C-9.

Chart 16. Total private gross and spendable weekly earnings

(Seasonally adjusted)



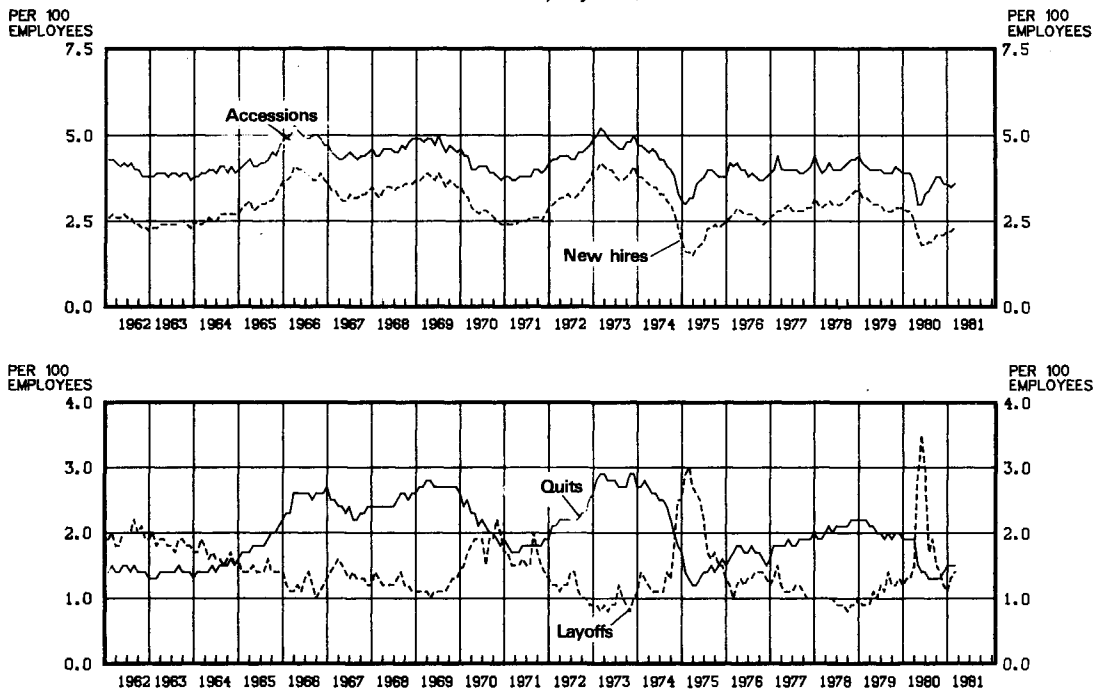
¹ Married worker with three dependents.

NOTE: Data prior to 1964 are annual averages. Data for current month are preliminary.

SOURCE: Table C-9.

Chart 17. Labor turnover rates in manufacturing

(Seasonally adjusted)



NOTE: Data for current month are preliminary.

SOURCE: Table D-3.

HOUSEHOLD DATA HISTORICAL

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

(Numbers in thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number /	Percent of population	Total	Employed			Unemployed		
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Annual averages										
1947.....	133,418	60,941	58.9	59,350	57,038	7,890	49,148	2,311	3.9	42,477
1948.....	104,523	62,080	59.4	60,621	58,343	7,629	50,714	2,276	3.8	42,447
1949.....	105,607	62,903	59.6	61,286	57,651	7,658	49,993	3,637	5.9	42,708
1950.....	106,645	63,858	59.9	62,208	58,918	7,160	51,756	3,288	5.3	42,787
1951.....	107,721	65,117	60.4	62,017	59,961	6,726	53,235	2,055	3.3	42,604
1952.....	108,823	65,730	60.4	62,138	60,250	6,500	53,749	1,883	3.0	43,093
1953 ¹	110,603	66,560	60.2	63,015	61,179	6,260	54,919	1,834	2.9	44,041
1954.....	111,670	66,993	60.0	63,643	60,109	6,205	53,904	3,532	5.5	44,678
1955.....	112,732	68,072	60.4	65,023	62,170	6,450	55,722	2,852	4.4	44,660
1956.....	113,808	69,409	61.0	66,552	63,799	6,283	57,514	2,750	4.1	44,402
1957.....	115,069	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	45,336
1958.....	116,360	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	46,088
1959.....	117,879	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	46,960
1960 ¹	119,758	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	48,312
1962.....	122,980	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,153	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	50,583
1964.....	127,223	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	52,527
1968.....	135,561	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,840	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	54,280
1971.....	142,597	86,929	61.0	84,113	79,120	3,387	75,732	4,993	5.9	55,666
1972 ¹	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973 ¹	148,263	91,040	61.4	88,714	84,409	3,452	80,957	4,304	4.9	57,222
1974.....	150,826	93,240	61.8	91,011	85,935	3,492	82,443	5,076	5.6	57,587
1975.....	153,448	94,793	61.8	92,613	84,783	3,380	81,403	7,830	8.5	58,655
1976.....	156,048	96,917	62.1	94,773	87,485	3,297	84,186	7,288	7.7	59,130
1977.....	158,559	99,534	62.8	97,401	90,546	3,244	87,302	6,855	7.0	59,025
1978 ¹	161,058	102,537	63.7	100,420	94,373	3,342	91,031	6,047	6.0	58,521
1979.....	163,620	104,996	64.2	102,908	96,945	3,297	93,648	5,963	5.8	58,623
1980.....	166,246	106,821	64.3	104,719	97,270	3,310	93,960	7,448	7.1	59,425
Monthly data, seasonally adjusted²										
1980:										
March....	165,506	106,261	64.2	104,171	97,528	3,337	94,291	6,543	6.3	59,245
April....	165,693	106,519	64.3	104,427	97,225	3,262	93,963	7,202	6.9	59,174
May.....	165,886	107,148	64.6	105,060	97,116	3,352	93,764	7,944	7.6	58,739
June.....	165,105	106,683	64.2	104,591	96,780	3,232	93,548	7,811	7.5	59,422
July.....	166,391	107,119	64.4	105,020	96,999	3,267	93,732	8,021	7.6	59,273
August....	166,578	107,059	64.3	104,945	97,003	3,210	93,793	7,942	7.6	59,519
September	166,789	107,101	64.2	104,980	97,180	3,399	93,781	7,800	7.4	59,687
October..	167,005	107,288	64.2	105,167	97,206	3,319	93,887	7,961	7.6	59,717
November.	167,231	107,404	64.2	105,285	97,339	3,343	93,999	7,946	7.5	59,797
December.	167,396	107,191	64.0	105,067	97,282	3,394	93,888	7,785	7.4	60,205
1981:										
January..	167,585	107,668	64.2	105,543	97,696	3,403	94,294	7,847	7.4	59,917
February.	167,747	107,802	64.3	105,681	97,927	3,281	94,646	7,754	7.3	59,946
March....	167,932	108,305	64.5	106,177	98,412	3,276	95,136	7,764	7.3	59,598

¹ Not strictly comparable with prior years. For an explanation, see "Historic Comparability" under Household Data section of Explanatory Notes.

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

HOUSEHOLD DATA HISTORICAL

A-2. Employment status of the noninstitutional population 16 years and over by sex, 1972 to date

(Numbers in thousands)

Sex, year, and month	Total noninsti- tutional popula- tion	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of popula- tion	Total	Employed			Unemployed		
					Total	Agri- culture	Nonagri- cultural indus- tries	Number	Percent of labor force	
MALES										
Annual averages										
1972 ¹	69,864	55,671	79.7	53,265	50,630	2,839	47,791	2,635	4.9	14,193
1973 ¹	71,321	56,479	79.5	54,203	51,963	2,833	49,130	2,240	4.1	14,541
1974.....	72,252	57,349	79.4	55,186	52,518	2,900	49,618	2,668	4.8	14,904
1975.....	73,494	57,706	78.5	55,615	51,230	2,801	48,429	4,385	7.9	15,788
1976.....	74,739	58,397	78.1	56,359	52,391	2,716	49,675	3,968	7.0	16,341
1977.....	75,981	59,467	78.3	57,449	53,861	2,639	51,222	3,588	6.2	16,514
1978 ¹	77,159	60,535	78.4	58,542	55,491	2,681	52,810	3,051	5.2	16,634
1979.....	78,397	61,466	78.4	59,517	56,499	2,645	53,854	3,018	5.1	16,931
1980.....	79,642	62,088	78.0	60,145	55,988	2,664	53,324	4,157	6.9	17,554
Monthly data, seasonally adjusted²										
1980:										
March....	79,295	61,923	78.1	59,989	56,489	2,691	53,798	3,500	5.8	17,372
April....	79,332	61,983	78.1	60,048	56,054	2,623	53,431	3,994	6.7	17,399
May.....	79,472	62,388	78.5	60,457	55,914	2,669	53,245	4,543	7.5	17,084
June.....	79,575	62,028	77.9	60,093	55,597	2,605	52,992	4,496	7.5	17,548
July.....	79,710	62,208	78.0	60,271	55,678	2,635	53,043	4,593	7.6	17,502
August...	79,798	62,098	77.8	60,147	55,589	2,635	52,984	4,558	7.6	17,700
September	79,897	62,278	77.9	60,320	55,754	2,726	53,028	4,566	7.6	17,619
October..	80,000	62,335	77.9	60,379	55,881	2,668	53,213	4,498	7.4	17,665
November..	80,091	62,342	77.8	60,388	55,897	2,691	53,206	4,491	7.4	17,749
December..	80,193	62,213	77.6	60,254	55,920	2,651	53,269	4,334	7.2	17,970
1981:										
January..	80,272	62,320	77.6	60,366	56,012	2,712	53,300	4,353	7.2	17,952
February..	80,346	62,286	77.5	60,338	56,045	2,586	53,459	4,293	7.1	18,058
March....	80,415	62,582	77.8	60,628	56,383	2,599	53,784	4,245	7.0	17,833
FEMALES										
Annual averages										
1972 ¹	75,911	33,320	43.9	33,277	31,072	633	30,439	2,205	6.6	42,591
1973 ¹	77,242	34,561	44.7	34,510	32,446	619	31,827	2,064	6.0	42,681
1974.....	78,574	35,892	45.7	35,825	33,417	592	32,825	2,408	6.7	42,683
1975.....	79,954	37,087	46.4	36,998	33,553	579	32,973	3,445	9.3	42,868
1976.....	81,309	38,520	47.4	38,414	35,095	582	34,513	3,320	8.6	42,789
1977.....	82,577	40,067	48.5	39,952	36,685	605	36,080	3,267	8.2	42,510
1978 ¹	83,890	42,002	50.1	41,878	38,882	661	38,221	2,996	7.2	41,887
1979.....	85,223	43,531	51.1	43,391	40,446	652	39,794	2,945	6.8	41,692
1980.....	86,604	44,733	51.7	44,574	41,283	646	40,637	3,291	7.4	41,871
Monthly data, seasonally adjusted²										
1980:										
March....	85,211	44,339	51.4	44,182	41,139	646	40,493	3,043	6.9	41,872
April....	86,311	44,536	51.6	44,379	41,171	639	40,532	3,208	7.2	41,775
May.....	86,414	44,759	51.8	44,603	41,202	683	40,519	3,401	7.6	41,655
June.....	86,530	44,655	51.6	44,498	41,183	627	40,556	3,315	7.4	41,875
July.....	85,681	44,910	51.8	44,749	41,321	632	40,689	3,428	7.7	41,771
August...	86,780	44,961	51.8	44,798	41,414	605	40,809	3,384	7.6	41,819
September	86,892	44,823	51.6	44,660	41,426	673	40,753	3,234	7.2	42,068
October..	87,006	44,953	51.7	44,788	41,325	651	40,674	3,463	7.7	42,053
November..	87,110	45,062	51.7	44,897	41,442	649	40,793	3,455	7.7	42,048
December..	87,210	44,978	51.6	44,813	41,362	743	40,619	3,451	7.7	42,235
1981:										
January..	87,313	45,349	51.9	45,178	41,684	691	40,993	3,493	7.7	41,964
February..	87,402	45,513	52.1	45,343	41,882	695	41,187	3,461	7.6	41,888
March....	87,487	45,723	52.3	45,549	42,029	677	41,352	3,519	7.7	41,764

¹ Not strictly comparable with prior years. For an explanation, see "Historic Comparability" under Household Data section of Explanatory Notes.

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

HOUSEHOLD DATA

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

[Numbers in thousands]

Sex, age, and race	March 1981										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALES											
16 years and over	62,055	77.2	60,101	55,379	4,722	7.9	18,359	335	4,648	1,664	11,712
16 to 21 years	8,170	65.0	7,521	6,051	1,470	19.5	4,397	19	3,804	35	539
16 to 19 years	4,690	56.8	4,410	3,481	929	21.1	3,570	13	3,192	21	344
16 to 17 years	1,744	43.2	1,731	1,314	418	24.1	2,294	9	2,131	8	147
18 to 19 years	2,946	69.8	2,678	2,167	511	19.1	1,276	4	1,061	14	197
20 to 64 years	55,513	89.3	53,840	50,103	3,737	6.9	6,679	187	1,456	1,157	3,878
20 to 24 years	8,942	85.6	8,200	6,996	1,204	14.7	1,502	17	1,048	46	390
25 to 54 years	39,390	94.3	38,459	36,212	2,247	5.8	2,376	104	398	596	1,278
25 to 29 years	8,872	94.0	8,506	7,778	728	8.6	564	18	255	63	227
30 to 34 years	8,451	96.3	8,191	7,707	484	5.9	320	13	76	71	161
35 to 39 years	6,643	96.1	6,461	6,121	340	5.3	271	14	33	72	152
40 to 44 years	5,463	95.1	5,378	5,103	275	5.1	282	14	12	80	177
45 to 49 years	4,978	93.4	4,950	4,744	206	4.2	351	13	14	112	212
50 to 54 years	4,981	89.4	4,974	4,760	214	4.3	598	31	8	199	350
55 to 64 years	7,181	71.9	7,180	6,894	285	4.0	2,800	66	11	514	2,209
55 to 59 years	4,424	82.4	4,423	4,255	168	3.8	948	34	7	269	638
60 to 64 years	2,757	59.8	2,757	2,640	117	4.3	1,853	32	4	245	1,571
65 years and over	1,852	18.6	1,852	1,795	57	3.1	8,111	135	--	486	7,491
65 to 69 years	1,082	28.2	1,082	1,054	28	2.6	2,750	33	--	185	2,542
70 years and over	770	12.6	770	741	29	3.7	5,350	101	--	301	4,948
White											
16 years and over	55,095	78.1	53,588	49,785	3,844	7.2	15,488	246	3,664	1,295	10,282
16 to 21 years	7,186	67.7	6,696	5,490	1,206	18.0	3,432	5	3,004	24	399
16 to 19 years	4,172	60.0	3,956	3,185	772	19.5	2,780	3	2,505	15	257
16 to 17 years	1,594	47.2	1,583	1,228	356	22.5	1,784	1	1,661	7	114
18 to 19 years	2,578	72.1	2,373	1,957	416	17.5	996	2	844	8	142
20 to 64 years	49,271	90.1	47,979	44,946	3,033	6.3	5,403	118	1,160	879	3,246
20 to 24 years	7,747	86.6	7,198	6,240	958	13.3	1,194	10	865	33	286
25 to 54 years	34,959	95.2	34,217	32,401	1,816	5.3	1,776	68	289	434	985
25 to 29 years	15,269	96.0	14,781	13,811	970	6.6	637	22	246	90	279
30 to 34 years	10,787	96.4	10,564	10,061	503	4.8	404	13	30	118	243
35 to 44 years	8,903	92.4	8,871	8,529	343	3.9	734	34	13	226	463
55 to 64 years	6,565	73.0	6,564	6,305	259	3.9	2,433	40	6	412	1,975
55 to 59 years	4,049	83.8	4,048	3,895	153	3.8	784	16	5	207	556
60 to 64 years	2,516	60.4	2,516	2,410	106	4.2	1,649	24	1	205	1,419
65 years and over	1,653	18.5	1,653	1,614	39	2.4	7,306	125	--	402	6,780
Black and other											
16 years and over	6,960	70.8	6,513	5,634	879	13.5	2,871	89	984	368	1,430
16 to 21 years	985	50.5	825	561	264	32.0	965	14	800	11	140
16 to 19 years	518	39.6	453	296	157	34.6	790	10	687	6	87
16 to 17 years	150	22.7	148	86	62	41.8	511	8	470	--	33
18 to 19 years	369	56.8	305	210	95	31.1	280	2	217	6	55
20 to 64 years	6,243	83.0	5,861	5,157	704	12.0	1,276	69	297	278	632
20 to 24 years	1,196	79.5	1,002	756	246	24.5	309	7	184	13	105
25 to 54 years	4,431	88.1	4,243	3,811	432	10.2	600	36	109	163	293
25 to 29 years	2,055	89.3	1,915	1,674	242	12.6	247	9	85	44	108
30 to 34 years	1,320	89.9	1,275	1,163	112	8.8	149	15	14	34	85
35 to 44 years	1,057	83.8	1,052	975	78	7.4	205	11	9	85	100
55 to 64 years	616	62.7	616	589	27	4.3	367	26	5	102	234
55 to 59 years	375	69.6	375	360	15	4.0	164	17	2	62	82
60 to 64 years	241	54.2	241	229	12	4.8	203	9	2	40	152
65 years and over	199	19.8	199	181	18	8.9	805	10	--	84	711

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

[Numbers in thousands]

Sex, age, and race	March 1981										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALES											
16 years and over	45,478	52.0	45,304	41,940	3,365	7.4	42,009	30,767	4,746	1,154	5,342
16 to 21 years	6,641	54.0	6,574	5,548	1,025	15.6	5,658	1,296	3,897	17	448
16 to 19 years	3,922	48.6	3,893	3,178	715	18.4	4,149	577	3,273	6	293
16 to 17 years	1,547	39.6	1,547	1,205	341	22.1	2,361	141	2,128	2	90
18 to 19 years	2,375	57.0	2,346	1,973	374	15.9	1,789	436	1,145	4	203
20 to 64 years	40,373	62.0	40,228	37,625	2,602	6.5	24,786	20,747	1,470	514	2,055
20 to 24 years	7,114	68.2	7,030	6,318	711	10.1	3,319	1,990	969	23	337
25 to 54 years	28,567	65.6	28,506	26,833	1,672	5.9	15,001	13,341	482	245	933
25 to 29 years	6,493	67.5	6,451	5,950	501	7.8	3,128	2,745	186	26	170
30 to 34 years	5,994	66.6	5,981	5,600	381	6.4	3,011	2,689	131	23	168
35 to 39 years	4,790	66.0	4,786	4,515	271	5.7	2,471	2,226	75	24	146
40 to 44 years	4,129	67.7	4,128	3,920	207	5.0	1,970	1,766	35	30	139
45 to 49 years	3,660	65.0	3,659	3,498	161	4.4	1,972	1,786	39	46	100
50 to 54 years	3,502	58.9	3,502	3,350	151	4.3	2,448	2,128	15	95	211
55 to 64 years	4,692	42.0	4,692	4,473	219	4.7	6,466	5,417	18	247	784
55 to 59 years	2,910	49.2	2,910	2,764	147	5.0	3,305	2,556	16	118	315
60 to 64 years	1,781	34.0	1,781	1,709	72	4.0	3,461	2,861	2	128	470
65 years and over	1,183	8.3	1,183	1,137	47	3.9	13,074	9,443	3	634	2,994
65 to 69 years	727	15.2	727	696	31	4.3	4,060	3,155	1	125	779
70 years and over	456	4.8	456	441	15	3.3	9,014	6,288	2	509	2,215
White											
16 years and over	39,352	51.8	39,226	36,709	2,517	6.4	36,579	27,412	3,695	884	4,587
16 to 21 years	5,876	57.0	5,828	5,061	767	13.2	4,431	1,049	3,044	15	323
16 to 19 years	3,506	52.0	3,486	2,935	550	15.8	3,242	478	2,543	5	216
16 to 17 years	1,404	43.2	1,403	1,131	273	19.4	1,848	112	1,674	--	62
18 to 19 years	2,102	60.1	2,082	1,805	278	13.3	1,394	366	870	4	154
20 to 64 years	34,788	61.8	34,682	32,758	1,923	5.5	21,496	18,265	1,148	375	1,707
20 to 24 years	6,163	70.1	6,102	5,607	495	8.1	2,626	1,632	753	12	228
25 to 54 years	24,450	65.2	24,405	23,162	1,243	5.1	13,058	11,709	382	183	782
25 to 29 years	10,591	66.7	10,551	9,940	610	5.8	5,289	4,741	240	41	267
30 to 34 years	7,634	66.2	7,630	7,258	372	4.9	3,895	3,524	96	42	234
35 to 44 years	6,225	61.6	6,224	5,964	260	4.2	3,873	3,445	46	100	282
55 to 64 years	4,175	41.8	4,175	3,990	186	4.4	5,812	4,924	14	179	697
55 to 59 years	2,588	49.0	2,588	2,466	122	4.7	2,692	2,318	12	83	280
60 to 64 years	1,587	33.7	1,587	1,523	64	4.0	3,120	2,606	2	96	417
65 years and over	1,058	8.2	1,058	1,016	43	4.0	11,841	8,669	4	505	2,664
Black and other											
16 years and over	6,126	53.0	6,078	5,230	848	13.9	5,430	3,355	1,050	269	755
16 to 21 years	766	38.4	746	487	258	34.7	1,227	247	853	2	125
16 to 19 years	416	31.5	407	242	165	40.5	907	99	730	1	77
16 to 17 years	143	21.9	143	75	69	48.0	512	29	454	1	28
18 to 19 years	273	40.9	264	168	96	36.5	395	71	275	--	49
20 to 64 years	5,585	62.9	5,546	4,867	679	12.2	3,290	2,482	321	139	347
20 to 24 years	951	57.8	927	711	216	23.3	693	357	217	10	109
25 to 54 years	4,117	67.9	4,102	3,672	430	10.5	1,943	1,631	100	61	151
25 to 29 years	1,896	69.1	1,882	1,610	272	14.5	850	694	78	7	71
30 to 34 years	1,284	70.2	1,283	1,178	105	8.2	546	468	15	13	51
35 to 44 years	937	63.1	937	884	52	5.6	548	469	8	41	30
55 to 64 years	517	44.1	517	483	33	6.4	654	493	4	68	88
55 to 59 years	322	50.7	322	297	25	7.7	313	238	4	36	35
60 to 64 years	194	36.3	194	186	8	4.3	341	255	--	33	53
65 years and over	125	9.2	125	121	4	3.1	1,233	774	--	129	331

HOUSEHOLD DATA

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981
MALES								
16 years and over	61,317	62,055	77.3	77.2	59,383	60,101	76.8	76.6
16 to 19 years	4,893	4,690	58.3	56.8	4,617	4,410	56.8	55.3
18 to 17 years	1,928	1,744	46.7	43.2	1,912	1,731	46.5	43.0
18 to 19 years	2,965	2,946	69.5	69.8	2,705	2,678	67.5	67.7
20 to 24 years	8,873	8,942	85.8	85.6	8,143	8,200	84.8	84.5
25 to 54 years	38,516	39,390	94.2	94.3	37,590	38,459	94.0	94.2
25 to 34 years	16,720	17,323	95.1	95.1	16,106	16,697	95.0	95.0
35 to 44 years	11,792	12,107	95.4	95.6	11,516	11,839	95.3	95.5
45 to 54 years	10,004	9,959	91.2	91.4	9,968	9,924	91.2	91.4
55 to 64 years	7,167	7,181	72.6	71.9	7,166	7,180	72.6	71.9
55 to 59 years	4,370	4,424	81.4	82.4	4,369	4,423	81.4	82.4
60 to 64 years	2,797	2,757	62.1	59.8	2,797	2,757	62.1	59.8
65 years and over	1,867	1,852	19.1	18.6	1,867	1,852	19.1	18.6
White								
16 years and over	54,552	55,095	78.2	78.1	53,053	53,588	77.7	77.6
16 to 19 years	4,371	4,172	61.6	60.0	4,165	3,956	60.4	58.7
18 to 17 years	1,760	1,594	50.7	47.2	1,747	1,583	50.5	47.0
18 to 19 years	2,611	2,578	72.0	72.1	2,418	2,373	70.4	70.4
20 to 24 years	7,701	7,747	86.8	86.6	7,156	7,198	86.0	85.8
25 to 54 years	34,204	34,959	94.9	95.2	33,459	34,217	94.8	95.1
25 to 34 years	14,747	15,269	95.8	96.0	14,263	14,781	95.6	95.9
35 to 44 years	10,505	10,787	96.1	96.4	10,275	10,564	96.0	96.3
45 to 54 years	8,953	8,903	92.1	92.4	8,921	8,871	92.1	92.4
55 to 64 years	6,583	6,565	73.8	73.0	6,582	6,564	73.8	73.0
55 to 59 years	4,002	4,049	82.7	83.8	4,000	4,048	82.7	83.8
60 to 64 years	2,581	2,516	63.3	60.4	2,581	2,516	63.3	60.4
65 years and over	1,692	1,653	19.2	18.5	1,692	1,653	19.2	18.5
Black and other								
16 years and over	6,765	6,960	70.8	70.8	6,330	6,513	69.4	69.4
16 to 19 years	522	518	40.1	39.6	452	453	36.7	36.4
16 to 17 years	168	150	25.4	22.7	165	148	25.1	22.5
18 to 19 years	354	369	55.1	56.8	287	305	49.9	52.2
20 to 24 years	1,172	1,196	79.9	79.5	987	1,002	77.0	76.5
25 to 54 years	4,312	4,431	88.9	88.1	4,132	4,243	88.5	87.6
25 to 34 years	1,973	2,055	90.7	89.3	1,843	1,915	90.1	88.6
35 to 44 years	1,287	1,320	90.3	89.9	1,242	1,275	90.0	89.6
45 to 54 years	1,051	1,057	84.1	83.8	1,047	1,052	84.1	83.7
55 to 64 years	584	616	61.2	62.7	584	616	61.2	62.7
55 to 59 years	368	375	69.4	69.6	368	375	69.4	69.6
60 to 64 years	216	241	50.8	54.2	216	241	50.8	54.2
65 years and over	175	199	17.8	19.8	175	199	17.8	19.8

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981
FEMALES								
16 years and over	44,125	45,478	51.2	52.0	43,968	45,304	51.1	51.9
16 to 19 years	4,006	3,922	48.8	48.6	3,979	3,893	48.6	48.4
16 to 17 years	1,546	1,547	38.7	39.6	1,545	1,547	38.7	39.6
18 to 19 years	2,460	2,375	58.4	57.0	2,433	2,346	58.2	56.7
20 to 24 years	6,908	7,114	66.9	68.2	6,832	7,030	66.7	67.9
25 to 54 years	27,458	28,567	64.3	65.6	27,405	28,506	64.3	65.5
25 to 34 years	11,865	12,487	66.0	67.0	11,818	12,432	66.0	66.9
35 to 44 years	8,616	8,918	66.0	66.8	8,612	8,914	66.0	66.7
45 to 54 years	6,976	7,161	59.8	61.8	6,975	7,160	59.8	61.8
55 to 64 years	4,605	4,692	41.7	42.0	4,605	4,692	41.7	42.0
55 to 59 years	2,869	2,910	48.6	49.2	2,869	2,910	48.6	49.2
60 to 64 years	1,736	1,781	33.8	34.0	1,736	1,781	33.8	34.0
65 years and over	1,148	1,183	8.2	8.3	1,148	1,183	8.2	8.3
White								
16 years and over	38,267	39,352	51.0	51.8	38,151	39,226	51.0	51.7
16 to 19 years	3,578	3,506	52.0	52.0	3,559	3,486	51.8	51.8
16 to 17 years	1,408	1,404	42.1	43.2	1,407	1,403	42.1	43.2
18 to 19 years	2,171	2,102	61.2	60.1	2,152	2,082	61.0	58.9
20 to 24 years	5,993	6,163	68.7	70.1	5,936	6,102	68.5	69.9
25 to 54 years	23,558	24,450	63.9	65.2	23,518	24,405	63.9	69.1
25 to 34 years	10,066	10,591	65.5	66.7	10,031	10,551	65.4	66.6
35 to 44 years	7,391	7,634	65.6	66.2	7,387	7,630	65.6	66.2
45 to 54 years	6,102	6,225	59.8	61.6	6,101	6,224	59.8	61.6
55 to 64 years	4,116	4,175	41.6	41.8	4,116	4,175	41.6	41.8
55 to 59 years	2,555	2,588	48.3	49.0	2,555	2,588	48.3	49.0
60 to 64 years	1,561	1,587	33.8	33.7	1,561	1,587	33.8	33.7
65 years and over	1,021	1,058	8.1	8.2	1,021	1,058	8.1	8.2
Black and other								
16 years and over	5,858	6,126	52.2	53.0	5,817	6,078	52.0	52.8
16 to 19 years	428	416	32.4	31.5	420	407	32.0	31.0
16 to 17 years	139	143	21.2	21.9	139	143	21.1	21.9
18 to 19 years	289	273	43.5	40.9	282	264	42.9	40.1
20 to 24 years	915	951	57.0	57.8	895	927	56.5	57.2
25 to 54 years	3,898	4,117	66.7	67.9	3,885	4,102	66.6	67.9
25 to 34 years	1,799	1,896	69.1	69.1	1,787	1,882	69.0	68.9
35 to 44 years	1,225	1,284	69.1	70.2	1,224	1,283	69.1	70.1
45 to 54 years	874	937	59.6	63.1	874	937	59.6	63.1
55 to 64 years	489	517	43.1	44.1	489	517	43.1	44.1
55 to 59 years	315	322	50.6	50.7	315	322	50.6	50.7
60 to 64 years	174	194	34.0	36.3	174	194	34.0	36.3
65 years and over	127	125	9.6	9.2	127	125	9.6	9.2

HOUSEHOLD DATA

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

[Numbers in thousands]

Sex and age	March 1981						Not in labor force
	Civilian labor force					Percent of labor force	
	Total	Employed			Unemployed		
		Total	Agri-culture	Nonagri-cultural industries				Number
TOTAL							
16 years and over	10,628	9,036	165	8,871	1,592	15.0	7,066
16 to 19 years	743	447	9	437	296	39.9	1,491
18 to 17 years	248	128	--	129	120	48.4	903
18 to 19 years	495	319	10	309	176	35.6	588
20 to 24 years	1,664	1,224	9	1,215	439	26.4	821
25 to 54 years	6,966	6,179	100	6,079	787	11.3	2,087
25 to 34 years	3,149	2,682	31	2,652	467	14.8	871
35 to 44 years	2,144	1,943	37	1,907	201	9.4	586
45 to 54 years	1,673	1,554	33	1,521	119	7.1	630
55 to 64 years	974	921	24	896	53	5.5	900
55 to 59 years	591	554	15	539	37	6.3	414
60 to 64 years	383	367	10	357	16	4.2	486
65 years and over	281	265	21	243	17	5.9	1,767
Males							
16 years and over	5,474	4,670	153	4,518	804	14.7	2,449
16 to 19 years	390	248	7	240	142	36.4	687
18 to 17 years	126	70	--	72	56	44.4	446
18 to 19 years	263	177	9	169	86	32.7	241
20 to 24 years	857	628	8	620	228	26.6	246
25 to 54 years	3,541	3,143	91	3,052	398	11.2	503
25 to 34 years	1,574	1,349	29	1,321	224	14.2	204
35 to 44 years	1,074	973	32	942	102	9.5	128
45 to 54 years	893	821	31	789	72	8.1	172
55 to 64 years	521	499	23	475	22	4.2	332
55 to 59 years	311	298	15	283	13	4.2	149
60 to 64 years	210	201	9	192	9	4.3	183
65 years and over	165	153	21	131	14	8.5	681
Females							
16 years and over	5,154	4,366	12	4,353	788	15.3	4,617
16 to 19 years	353	199	2	197	154	43.6	804
18 to 17 years	122	58	--	57	64	52.7	457
18 to 19 years	232	142	1	140	90	38.9	347
20 to 24 years	807	596	1	595	211	26.1	575
25 to 54 years	3,425	3,036	9	3,027	389	11.4	1,584
25 to 34 years	1,575	1,333	2	1,331	243	15.4	667
35 to 44 years	1,070	970	5	965	99	9.3	458
45 to 54 years	780	733	2	732	47	6.0	458
55 to 64 years	453	422	1	421	31	6.9	568
55 to 59 years	280	256	--	256	24	8.7	265
60 to 64 years	173	166	1	165	7	4.0	303
65 years and over	116	112	--	112	3	3.0	1,086

NOTE: Data relate to black workers only. In the 1970 census, they constituted about 89 percent of the "black and other" population group.

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

(Numbers in thousands)

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981
TOTAL								
Total noninstitutional population	165,506	167,902	70,896	72,155	78,005	79,415	16,606	16,331
Total labor force	105,441	107,533	56,423	57,365	40,118	41,556	8,900	8,612
Percent of population	63.7	64.0	79.6	79.5	51.4	52.3	53.6	52.7
Civilian labor force	103,351	105,405	54,766	55,632	39,989	41,411	8,596	8,303
Employed	96,546	97,318	51,624	51,898	37,755	38,762	7,167	6,659
Agriculture	2,962	2,905	2,217	2,135	471	497	274	273
Nonagricultural industries	93,584	94,413	49,407	49,763	37,283	38,265	6,893	6,385
Unemployed	6,805	8,087	3,141	3,794	2,235	2,649	1,429	1,644
Percent of labor force	6.6	7.7	5.7	6.8	5.6	6.4	16.6	19.8
Not in labor force	60,065	60,368	14,473	14,790	37,886	37,860	7,706	7,719
White								
Total noninstitutional population	144,730	146,515	62,642	63,632	68,135	69,183	13,982	13,699
Total labor force	92,819	94,447	50,180	50,924	34,689	35,846	7,950	7,678
Percent of population	64.1	64.5	80.1	80.0	50.9	51.8	56.9	56.0
Civilian labor force	91,204	92,814	48,888	49,632	34,592	35,740	7,723	7,442
Employed	85,845	86,454	46,359	46,560	32,930	33,774	6,587	6,120
Agriculture	2,698	2,675	1,998	1,945	443	469	261	261
Nonagricultural industries	83,147	83,779	44,361	44,615	32,460	33,305	6,326	5,859
Unemployed	5,358	6,360	2,529	3,072	1,692	1,966	1,137	1,322
Percent of labor force	5.9	6.9	5.2	6.2	4.9	5.5	14.7	17.8
Not in labor force	51,911	52,067	12,462	12,709	33,416	33,337	6,033	6,022
Black and other								
Total noninstitutional population	20,777	21,387	8,253	8,522	9,900	10,232	2,624	2,632
Total labor force	12,623	13,086	6,243	6,442	5,429	5,710	950	935
Percent of population	60.8	61.2	75.6	75.6	54.8	55.8	36.2	35.5
Civilian labor force	12,147	12,591	5,877	6,060	5,397	5,671	873	861
Employed	10,701	10,865	5,265	5,338	4,855	4,988	581	539
Agriculture	264	230	219	193	32	28	13	12
Nonagricultural industries	10,437	10,635	5,046	5,148	4,823	4,960	567	527
Unemployed	1,446	1,727	612	722	542	683	292	322
Percent of labor force	11.9	13.7	10.4	11.9	10.0	12.0	33.5	37.4
Not in labor force	8,154	8,301	2,010	2,081	4,470	4,523	1,673	1,698

HOUSEHOLD DATA

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

(Numbers in thousands)

Employment status and major activity	March 1981								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
TOTAL									
Total noninstitutional population	24,867	12,568	12,299	20,925	10,618	10,307	3,942	1,950	1,993
Total labor force	14,812	8,170	6,641	13,062	7,186	5,876	1,750	985	766
Percent of population	59.6	65.0	54.0	62.4	67.7	57.0	44.4	50.5	38.4
Civilian labor force	14,094	7,521	6,574	12,524	6,696	5,828	1,570	825	746
Employed	11,599	6,051	5,548	10,551	5,490	5,061	1,048	561	487
Agriculture	406	338	68	394	327	67	13	11	2
Nonagricultural industries	11,193	5,713	5,480	10,158	5,163	4,994	1,036	550	486
Unemployed	2,495	1,470	1,025	1,973	1,206	767	522	264	258
Looking for full-time work	1,576	980	596	1,221	790	430	355	190	166
Looking for part-time work	919	490	429	752	416	337	167	74	93
Percent of labor force	17.7	19.5	15.6	15.3	18.0	13.2	33.2	32.0	34.7
Not in labor force	10,055	4,397	5,658	7,863	3,432	4,431	2,192	965	1,227
Major activity: going to school									
Civilian labor force	4,527	2,372	2,155	4,084	2,144	1,940	443	228	215
Employed	3,609	1,862	1,747	3,353	1,724	1,629	256	138	118
Agriculture	138	112	26	138	113	25	--	--	1
Nonagricultural industries	3,471	1,750	1,721	3,215	1,611	1,604	256	138	117
Unemployed	918	510	408	731	420	311	187	90	97
Looking for full-time work	117	61	56	77	43	34	40	18	22
Looking for part-time work	802	449	352	654	377	277	147	72	75
Percent of labor force	20.3	21.5	18.9	17.9	19.6	16.0	42.2	39.5	45.1
Not in labor force	7,701	3,804	3,897	6,047	3,004	3,044	1,653	800	853
Major activity: other									
Civilian labor force	9,567	5,149	4,418	8,443	4,552	3,888	1,127	597	530
Employed	7,990	4,189	3,801	7,198	3,766	3,432	792	423	369
Agriculture	268	226	42	256	214	41	12	11	1
Nonagricultural industries	7,722	3,963	3,759	6,942	3,552	3,391	780	412	368
Unemployed	1,577	959	617	1,242	786	456	335	174	161
Looking for full-time work	1,459	919	540	1,144	747	396	316	172	144
Looking for part-time work	117	40	77	98	38	60	19	2	17
Percent of labor force	16.5	18.6	14.0	14.7	17.3	11.7	29.7	29.1	30.4
Not in labor force	2,354	593	1,761	1,816	428	1,387	539	165	374

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

[Numbers in thousands]

Sex, age, and race	March 1981								
	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full-time schedules ¹	Part-time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
Both sexes, 16 years and over	88,922	78,086	4,248	6,588	7.4	16,484	14,985	1,499	9.1
16 to 21 years	8,230	5,835	818	1,576	19.2	5,864	4,946	919	15.7
16 to 19 years	3,668	2,386	446	836	22.8	4,634	3,826	808	17.4
16 to 17 years	574	288	83	202	35.3	2,704	2,148	557	20.6
18 to 19 years	3,095	2,098	363	634	20.5	1,930	1,679	251	13.0
20 years and over	85,253	75,700	3,801	5,752	6.7	11,850	11,159	691	5.8
20 to 24 years	12,915	10,314	869	1,732	13.4	2,315	2,131	183	7.9
25 years and over	72,338	65,386	2,933	4,020	5.6	9,535	9,027	508	5.3
25 to 54 years	60,400	54,489	2,387	3,524	5.8	6,566	6,171	395	6.0
55 years and over	11,939	10,897	546	496	4.2	2,969	2,856	112	3.8
Males, 16 years and over	54,709	48,612	2,011	4,087	7.5	5,392	4,756	636	11.8
16 to 21 years	4,547	3,253	413	980	21.1	2,874	2,385	490	17.0
16 to 19 years	2,071	1,353	231	487	23.5	2,339	1,897	441	18.9
20 years and over	52,639	47,260	1,780	3,599	6.8	3,053	2,859	194	6.4
20 to 24 years	7,243	5,663	456	1,123	15.5	958	877	81	8.4
25 years and over	45,395	41,597	1,323	2,476	5.5	2,095	1,982	114	5.4
25 to 54 years	37,598	34,354	1,057	2,188	5.8	861	802	59	6.9
55 years and over	7,797	7,243	267	289	3.7	1,234	1,180	55	4.5
Females, 16 years and over	34,212	29,473	2,237	2,501	7.3	11,092	10,229	863	7.8
16 to 21 years	3,583	2,582	405	596	16.6	2,990	2,561	429	14.4
16 to 19 years	1,598	1,033	215	349	21.8	2,295	1,929	367	16.0
20 years and over	32,614	28,440	2,022	2,153	6.6	8,796	8,300	497	5.6
20 to 24 years	5,672	4,651	413	609	10.7	1,357	1,254	103	7.6
25 years and over	26,942	23,789	1,609	1,543	5.7	7,439	7,046	394	5.3
25 to 54 years	22,831	20,135	1,329	1,336	5.9	5,705	5,369	336	5.9
55 years and over	4,111	3,654	279	207	5.0	1,734	1,677	58	3.3
White									
Males, 16 years and over	48,783	43,771	1,702	3,310	6.8	4,805	4,271	534	11.1
16 to 21 years	4,098	2,941	367	790	19.3	2,598	2,182	416	16.0
16 to 19 years	1,831	1,235	207	390	21.3	2,125	1,743	382	18.0
20 years and over	46,952	42,537	1,495	2,920	6.2	2,680	2,528	152	5.7
20 to 24 years	6,351	5,056	398	897	14.1	847	786	61	7.2
25 years and over	40,601	37,480	1,097	2,024	5.0	1,833	1,741	91	5.0
25 to 54 years	33,497	30,856	874	1,765	5.3	720	669	50	6.9
55 years and over	7,104	6,624	223	258	3.6	1,113	1,072	41	3.7
Females, 16 years and over	29,020	25,389	1,832	1,800	6.2	10,206	9,489	717	7.0
16 to 21 years	3,102	2,315	357	430	13.9	2,726	2,390	337	12.3
16 to 19 years	1,387	938	191	258	18.6	2,099	1,807	292	13.9
20 years and over	27,633	24,451	1,641	1,541	5.6	8,107	7,682	425	5.2
20 to 24 years	4,868	4,101	355	412	8.5	1,234	1,151	84	6.8
25 years and over	22,765	20,350	1,285	1,129	5.0	6,873	6,531	341	5.0
25 to 54 years	19,082	17,076	1,055	951	5.0	5,322	5,030	292	5.5
55 years and over	3,683	3,274	230	179	4.9	1,551	1,501	50	3.2
Black and other									
Males, 16 years and over	5,926	4,841	309	777	13.1	587	485	102	17.4
16 to 21 years	548	312	47	190	34.6	276	202	74	26.8
16 to 19 years	240	118	24	97	40.7	214	154	59	27.8
20 years and over	5,687	4,723	284	679	11.9	373	331	43	11.4
20 to 24 years	891	607	58	226	25.4	111	91	20	17.9
25 years and over	4,795	4,116	227	453	9.4	263	240	23	8.7
25 to 54 years	4,132	3,497	183	422	10.3	141	132	9	6.4
55 years and over	693	618	44	31	4.5	122	108	14	11.5
Females, 16 years and over	5,192	4,085	405	702	13.5	886	740	146	16.5
16 to 21 years	482	268	48	166	34.4	264	171	93	35.1
16 to 19 years	211	96	24	90	42.9	197	122	75	38.0
20 years and over	4,981	3,989	381	611	12.3	689	618	71	10.4
20 to 24 years	834	550	58	197	24.5	123	104	19	15.7
25 years and over	4,147	3,439	323	414	9.9	567	514	51	9.0
25 to 54 years	3,719	3,059	274	386	10.4	383	339	43	11.2
55 years and over	458	380	49	28	6.1	183	175	8	4.4

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

HOUSEHOLD DATA

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

[Numbers in thousands]

Family relationship	March 1981									
	Civilian labor force					Not in labor force				
	Total	Per-cent 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	105,405	63.6	97,318	8,087	7.7	60,368	31,102	9,394	2,817	17,055
Husbands	39,174	80.8	37,325	1,850	4.7	9,331	108	207	1,013	8,003
With employed wife	21,489	91.8	20,561	927	4.3	1,930	39	121	347	1,423
With unemployed wife	1,284	92.8	1,117	167	13.0	100	1	7	16	76
With wife not in labor force	16,402	69.2	15,646	756	4.6	7,301	68	79	650	6,504
Wives	24,803	51.1	23,418	1,384	5.6	23,703	21,152	352	309	1,890
With employed husband	21,678	38.1	20,561	1,117	5.2	15,646	14,478	294	99	775
With unemployed husband	1,094	39.1	927	167	15.2	756	688	20	6	42
With husband not in labor force	2,030	21.8	1,930	100	4.9	7,301	5,985	39	204	1,074
Relatives in married-couple families	12,596	39.4	10,666	1,931	15.3	8,606	861	6,017	296	1,433
16 to 19 years	5,625	51.7	4,646	979	17.4	5,251	136	4,705	21	389
20 to 24 years	4,720	73.5	4,030	690	14.6	1,699	152	1,208	27	311
25 years and over	2,251	57.6	1,990	262	11.6	1,656	573	104	248	733
Females who maintain families	5,346	50.3	4,839	507	9.5	3,521	2,726	158	145	491
Relatives in families maintained by females	4,334	34.3	3,410	924	21.3	3,653	790	1,698	240	925
16 to 19 years	1,307	44.6	883	424	32.4	1,626	97	1,344	2	183
20 to 24 years	1,378	69.6	1,078	300	21.7	603	125	297	22	158
25 years and over	1,649	33.7	1,449	200	12.1	1,424	568	57	216	584
Males who maintain families	1,618	76.8	1,516	103	6.3	488	24	22	62	381
Relatives in families maintained by males	1,272	57.8	1,068	204	16.0	927	366	291	54	216
16 to 19 years	299	35.8	238	61	20.5	237	18	197	2	21
20 to 24 years	388	79.5	319	69	17.8	100	15	72	1	13
25 years and over	585	49.8	511	74	12.6	590	333	22	51	182
Persons living alone	10,161	34.0	9,548	613	6.0	8,671	4,666	205	592	3,206
Males	5,253	71.8	4,864	389	7.4	2,066	109	130	251	1,577
Females	4,908	42.6	4,685	224	4.6	6,604	4,558	75	342	1,630
All others*	6,101	30.6	5,528	573	9.4	1,468	409	444	106	510

* The majority of these persons are living with nonrelatives. Also included are persons in married-couple families where the husband is in the Armed Forces, persons in secondary families, and some whose family status is unknown.

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

Marital status, race, and age	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981
Total, 16 years and over	3,898	4,722	6.6	7.9	2,906	3,365	6.6	7.4
Married, spouse present	1,646	1,956	4.1	4.9	1,260	1,428	5.1	5.7
Widowed, divorced, or separated	387	465	8.1	8.9	549	672	6.5	7.5
Single (never married)	1,865	2,301	12.8	15.5	1,097	1,264	10.0	11.2
White, 16 years and over	3,140	3,844	5.9	7.2	2,218	2,517	5.8	6.4
Married, spouse present	1,430	1,678	3.9	4.6	1,071	1,205	4.9	5.3
Widowed, divorced, or separated	282	362	7.1	8.4	394	467	5.8	6.5
Single (never married)	1,428	1,804	11.3	13.1	754	845	8.1	8.9
Black and other, 16 years and over	758	879	12.0	13.5	688	848	11.8	13.9
Married, spouse present	216	279	6.1	7.8	190	223	7.6	8.8
Widowed, divorced, or separated	105	104	12.3	11.0	155	206	9.5	11.6
Single (never married)	438	496	22.8	23.9	343	419	20.2	23.7
Total, 20 to 64 years of age	3,096	3,737	5.9	6.9	2,193	2,602	5.6	6.5
Married, spouse present	1,575	1,883	4.1	4.9	1,159	1,344	4.9	5.5
Widowed, divorced, or separated	376	452	8.3	9.1	515	623	6.7	7.6
Single (never married)	1,146	1,400	11.4	13.3	519	636	7.1	8.3
White, 20 to 64 years of age	2,495	3,033	5.3	6.3	1,657	1,923	4.9	5.5
Married, spouse present	1,367	1,625	3.9	4.7	980	1,130	4.6	5.2
Widowed, divorced, or separated	274	350	7.3	8.6	369	428	6.0	6.6
Single (never married)	855	1,058	10.0	11.8	309	367	5.2	5.8
Black and other, 20 to 64 years of age	600	704	10.5	12.0	535	679	10.2	12.2
Married, spouse present	208	260	6.1	7.6	179	214	7.4	8.7
Widowed, divorced, or separated	102	102	12.5	11.4	146	196	9.5	11.6
Single (never married)	291	342	19.7	22.0	211	270	16.1	19.6

A-11. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981
Total, 16 years and over	6,805	8,087	6.6	7.7	6.6	7.9	6.6	7.4
White-collar workers	1,727	2,036	3.3	3.8	2.5	2.7	4.0	4.5
Professional and technical	310	365	1.9	2.2	1.7	1.9	2.2	2.5
Managers and administrators, except farm	286	327	2.6	2.8	2.1	2.2	3.9	4.2
Sales workers	266	260	4.2	3.1	3.3	3.5	5.4	4.8
Clerical workers	865	1,083	4.6	5.6	4.1	5.3	4.7	5.7
Blue-collar workers	3,228	3,822	9.5	11.4	9.2	11.1	11.2	12.8
Craft and kindred workers	929	1,198	7.0	8.9	7.0	9.1	6.9	6.9
Carpenters and other construction craft workers	552	601	13.4	14.8	13.2	15.0	(1)	6.7
All other	377	597	4.1	5.4	4.0	6.3	5.6	6.8
Operatives, except transport	1,195	1,421	10.3	12.4	9.0	11.2	12.1	14.0
Transport equipment operatives	307	402	8.1	10.8	8.4	11.2	4.3	6.0
Nonfarm laborers	796	801	15.7	15.6	16.0	16.9	13.7	14.7
Construction laborers	279	276	26.8	30.8	26.5	30.4	(1)	(1)
All other	517	525	12.8	13.4	12.9	13.4	12.3	13.4
Service workers	995	1,172	7.1	8.1	7.5	8.4	7.0	8.0
Private household	47	46	4.5	3.1	(1)	(1)	4.6	4.2
All other	948	1,126	7.4	9.5	7.5	8.5	7.3	8.5
Farm workers	139	171	5.4	6.6	4.6	5.7	9.7	11.2
No previous work experience	715	886	--	--	--	--	--	--
16 to 19 years	511	652	--	--	--	--	--	--
20 to 24 years	136	142	--	--	--	--	--	--
25 years and over	68	92	--	--	--	--	--	--

¹ Percent not shown where base is less than 75,000.

A-12. Unemployed persons by industry and sex

Industry	Percent distribution		Unemployment rates					
			Total		Males		Females	
	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981
Total, 16 years and over	100.0	100.0	6.6	7.7	6.6	7.9	6.6	7.4
Nonagricultural private wage and salary workers	76.3	76.2	6.9	3.0	7.1	8.4	6.6	7.5
Mining	.8	.7	6.2	5.3	6.6	5.9	3.4	1.7
Construction	13.3	12.2	18.2	20.3	18.9	21.0	9.8	11.7
Manufacturing	24.3	24.5	7.1	8.7	6.0	7.6	9.6	10.8
Durable goods	14.6	14.7	7.1	8.6	6.3	8.0	9.2	10.4
Lumber and wood products	1.5	1.0	15.9	12.7	14.7	13.2	22.7	9.9
Furniture and fixtures	.8	.6	9.4	8.5	9.2	8.2	9.8	9.3
Stone, clay, and glass products	.8	.9	7.6	10.6	7.3	9.5	9.2	15.2
Primary metal industries	1.5	1.0	7.4	5.6	6.6	6.6	13.4	6.3
Fabricated metal products	1.6	2.0	6.7	10.2	5.7	10.3	10.1	9.9
Machinery, except electrical equipment	1.2	2.3	2.9	5.2	2.4	5.7	4.8	7.7
Electrical equipment	2.0	2.1	5.4	6.7	4.3	4.1	6.7	10.2
Transportation equipment	4.0	3.4	11.7	12.4	10.7	11.9	16.3	15.0
Automobiles	3.0	2.6	16.4	17.4	14.7	16.2	24.8	23.6
Other transportation equipment	1.0	.8	6.1	5.4	6.2	6.4	6.0	6.5
Instruments and related products	.5	.6	5.3	6.6	3.5	4.9	7.2	9.3
Other durable goods industries	.7	.9	6.7	9.3	3.0	7.2	11.4	12.5
Nondurable goods	9.7	9.9	7.2	3.8	5.3	7.0	10.0	11.3
Food and kindred products	2.5	2.5	9.1	10.5	6.4	8.3	14.8	15.5
Textile mill products	.8	1.0	6.8	11.1	4.1	10.6	9.5	11.6
Apparel and other textile products	1.8	1.8	9.1	10.9	7.4	10.0	9.6	11.2
Paper and allied products	.8	.6	7.0	5.9	7.6	4.9	5.0	12.3
Printing and publishing	1.4	1.2	6.3	5.2	5.1	4.9	7.9	8.0
Chemicals and allied products	1.0	.9	4.9	5.1	3.3	4.4	9.3	6.8
Rubber and plastics products	.8	1.0	7.2	10.8	5.2	10.3	10.7	11.7
Other nondurable goods industries	.5	.9	6.4	11.0	3.3	7.6	10.4	15.2
Transportation and public utilities	3.3	4.6	4.1	5.7	4.2	7.5	3.9	4.4
Railroads and railway express	.4	.6	5.0	8.1	5.1	8.8	(1)	(1)
Other transportation	2.0	3.3	5.5	10.2	5.6	10.8	5.1	8.1
Communication and other public utilities	.8	.7	2.4	2.5	1.9	2.7	3.3	2.1
Wholesale and retail trade	18.6	18.1	6.8	7.7	5.9	6.9	7.7	8.5
Finance, insurance, and real estate	2.6	2.3	3.3	3.4	3.3	2.9	3.3	3.7
Service industries	13.4	13.7	5.3	6.1	6.1	6.3	4.8	5.9
Professional services	5.3	5.4	3.5	4.0	3.7	2.8	3.4	4.5
All other service industries	8.1	8.3	8.0	9.2	8.4	9.6	7.7	8.7
Agricultural wage and salary workers	2.8	2.6	13.4	15.3	12.3	13.7	17.9	21.4
All other classes of workers	10.3	10.1	2.8	3.2	2.6	3.1	2.9	3.3
No previous work experience	10.5	11.0	--	--	--	--	--	--

¹ Percent not shown where base is less than 75,000.

HOUSEHOLD DATA

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

Reason for unemployment	Total unemployed		Males, 20 years and over		Females, 20 years and over		Both sexes, 16 to 19 years		White		Black and other	
	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981
NUMBER OF UNEMPLOYED												
Total unemployed, in thousands.....	6,805	8,087	3,141	3,794	2,235	2,649	1,429	1,644	5,358	6,360	1,446	1,727
Job losers.....	3,522	4,357	2,250	2,739	939	1,219	333	399	2,800	3,558	722	799
On layoff.....	1,404	1,604	937	1,070	369	421	98	113	1,182	1,391	222	212
Other job losers.....	2,118	2,753	1,313	1,669	570	798	235	286	1,618	2,167	500	587
Job leavers.....	780	835	324	337	325	367	131	131	655	692	124	144
Reentrants.....	1,787	2,011	492	621	842	926	454	463	1,408	1,451	379	559
New entrants.....	716	884	76	96	129	138	511	650	495	660	221	224
PERCENT DISTRIBUTION												
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.....	51.7	53.8	71.6	72.2	42.0	46.0	23.3	24.3	52.3	56.0	49.9	46.3
On layoff.....	20.6	19.8	29.8	28.2	16.5	15.9	6.8	6.9	22.1	21.9	15.4	12.3
Other job losers.....	31.1	34.0	41.8	44.0	25.5	30.1	16.5	17.4	30.2	34.1	34.5	34.0
Job leavers.....	11.5	10.3	10.3	8.9	14.5	13.8	9.2	8.0	12.2	10.9	8.6	8.3
Reentrants.....	26.3	24.9	15.6	16.4	37.7	34.9	31.8	28.2	26.3	22.8	26.2	32.4
New entrants.....	10.5	10.9	2.4	2.5	5.8	5.2	35.8	39.5	9.2	10.4	15.3	13.0
UNEMPLOYMENT RATE												
Total unemployment rate.....	6.6	7.7	5.7	6.8	5.6	6.4	16.6	19.8	5.9	6.9	11.9	13.7
Job loser rate ¹	3.4	4.1	4.1	4.9	2.3	2.9	3.8	4.9	3.1	3.8	5.9	6.4
On layoff.....	.8	.8	.6	.6	.8	.9	1.5	1.6	.7	.7	1.0	1.1
Other job losers.....	1.7	1.9	.9	1.1	2.1	2.2	5.3	5.6	1.5	1.6	3.1	4.4
Job leaver rate ¹.....	.7	.8	.1	.2	.3	.3	5.9	7.8	.5	.7	1.8	1.8

¹ Unemployment rates are calculated as a percent of the civilian labor force.

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

[Percent distribution]

Reason, sex, and age	March 1981						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over.....	8,087	100.0	35.9	32.0	32.1	15.9	16.2
Job losers.....	4,357	100.0	29.1	32.8	38.1	18.8	19.3
On layoff.....	1,604	100.0	35.1	33.3	31.7	17.5	14.1
Other job losers.....	2,753	100.0	25.6	32.6	41.8	19.5	22.3
Job leavers.....	835	100.0	38.2	34.2	27.6	13.7	13.9
Reentrants.....	2,011	100.0	44.7	31.8	23.6	12.5	11.1
New entrants.....	884	100.0	47.4	26.2	26.5	11.6	14.9
Males, 20 years and over.....	3,794	100.0	28.0	32.1	40.0	18.9	21.1
Job losers.....	2,739	100.0	26.2	32.2	41.6	19.7	21.9
On layoff.....	1,070	100.0	29.5	36.2	34.3	19.6	14.7
Other job losers.....	1,669	100.0	24.0	29.7	46.3	19.7	26.6
Job leavers.....	337	100.0	27.8	37.3	35.0	14.6	20.4
Reentrants.....	621	100.0	34.5	29.4	36.2	19.4	16.8
New entrants.....	96	100.0	39.0	25.8	35.1	9.0	26.2
Females, 20 years and over.....	2,649	100.0	40.9	32.2	26.9	13.2	13.7
Job losers.....	1,219	100.0	32.0	33.7	34.3	17.3	17.0
On layoff.....	421	100.0	43.1	27.9	28.9	14.8	14.2
Other job losers.....	798	100.0	26.0	36.8	37.2	18.7	18.5
Job leavers.....	367	100.0	40.6	33.0	26.3	13.8	12.6
Reentrants.....	926	100.0	52.6	29.9	17.5	8.2	9.3
New entrants.....	138	100.0	42.6	31.7	25.7	8.5	17.2
Both sexes, 16 to 19 years.....	1,644	100.0	46.1	31.4	22.4	13.3	9.1
Job losers.....	399	100.0	40.8	34.0	25.2	17.0	8.2
On layoff.....	113	100.0	57.4	25.5	16.9	8.4	8.6
Other job losers.....	286	100.0	34.3	37.3	28.4	20.4	8.0
Job leavers.....	131	100.0	57.9	29.6	12.4	11.4	1.0
Reentrants.....	463	100.0	42.5	38.7	18.8	11.8	7.0
New entrants.....	650	100.0	49.6	25.0	25.4	12.6	12.8

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

Sex, age, and race	March 1981								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	8,087	6,385	26.8	5.9	72.5	32.0	15.5	6.7	1.60
16 to 19 years	1,644	1,519	18.7	3.8	81.1	25.5	13.8	4.0	1.47
20 to 24 years	1,915	1,540	32.1	5.6	73.9	33.9	15.1	5.0	1.66
25 to 34 years	2,094	1,596	27.8	7.3	70.4	35.9	14.0	5.6	1.61
35 to 44 years	1,093	783	29.8	6.6	68.3	30.5	19.2	12.8	1.67
45 to 54 years	732	517	29.0	7.7	65.6	36.6	19.3	10.1	1.68
55 to 64 years	504	338	26.0	7.1	61.8	34.3	16.9	10.9	1.57
65 years and over	104	93	20.4	4.3	55.9	18.3	20.4	16.1	1.35
Males, 16 years and over	4,722	3,520	27.8	6.3	73.3	28.9	17.7	8.4	1.62
16 to 19 years	929	848	19.2	5.1	80.3	22.5	15.9	4.8	1.48
20 to 24 years	1,204	915	32.0	5.4	75.0	32.2	18.9	5.4	1.69
25 to 34 years	1,212	847	33.5	8.4	70.2	33.3	15.9	7.4	1.69
35 to 44 years	615	406	29.6	5.2	71.2	28.3	19.2	15.3	1.69
45 to 54 years	420	264	22.7	9.1	68.9	28.8	21.2	15.2	1.66
55 to 64 years	285	190	25.8	8.4	61.1	26.3	18.9	16.3	1.57
65 years and over	57	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Females, 16 years and over	3,365	2,866	25.6	5.5	71.6	35.8	12.9	4.7	1.56
16 to 19 years	715	671	18.0	2.2	82.1	29.4	10.9	3.0	1.46
20 to 24 years	711	624	32.2	5.9	72.6	35.4	9.6	4.5	1.61
25 to 34 years	882	749	21.4	6.0	70.6	38.9	11.9	3.3	1.52
35 to 44 years	478	377	30.0	8.2	65.3	32.6	19.1	10.3	1.66
45 to 54 years	312	253	35.6	6.3	62.1	44.7	17.4	4.7	1.71
55 to 64 years	219	148	26.4	5.4	62.8	44.6	14.2	3.4	1.57
65 years and over	47	43	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Whites, 16 years and over	6,360	4,878	24.4	6.4	73.5	33.6	15.3	6.9	1.60
Males	3,844	2,786	25.4	6.9	74.2	33.7	17.1	8.7	1.63
Females	2,517	2,093	23.0	5.7	72.6	37.4	12.9	4.6	1.56
Black and other, 16 years and over	1,727	1,507	34.8	4.4	69.3	26.9	16.3	6.2	1.58
Males	879	734	36.9	4.0	69.9	21.9	19.9	7.4	1.60
Females	848	773	32.9	4.8	68.8	31.6	12.8	5.2	1.56

¹ Percent not shown where base is less than 75,000.

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

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

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

Sex and reason	March 1981								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	8,087	6,385	26.8	5.9	72.5	32.0	15.5	6.7	1.60
Job losers	4,357	2,769	33.5	6.8	71.9	33.4	17.5	7.8	1.71
Job leavers	835	830	27.6	4.7	73.0	35.4	16.1	4.7	1.62
Reentrants	2,011	1,909	21.7	6.1	70.5	31.6	14.6	6.7	1.51
New entrants	884	877	16.3	4.2	78.7	25.2	10.7	5.2	1.40
Males, 16 years and over	4,722	3,520	27.8	6.3	73.3	28.9	17.7	8.4	1.62
Job losers	3,002	1,864	32.3	6.1	72.8	30.2	18.7	9.5	1.70
Job leavers	408	408	24.3	6.9	78.4	35.0	21.1	3.9	1.70
Reentrants	875	814	25.1	7.1	69.9	25.7	15.4	9.2	1.52
New entrants	437	433	16.6	5.1	76.9	23.6	14.3	6.0	1.42
Females, 16 years and over	3,365	2,866	25.6	5.5	71.6	35.8	12.9	4.7	1.56
Job losers	1,355	905	35.8	8.0	69.9	40.0	15.0	4.4	1.73
Job leavers	427	422	30.8	2.6	67.8	35.8	11.4	5.5	1.54
Reentrants	1,135	1,096	19.3	5.4	70.7	36.0	14.0	4.8	1.50
New entrants	447	443	16.0	3.2	80.6	26.9	7.4	4.5	1.39

NOTE: See note, table A-15.

HOUSEHOLD DATA

A-17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981
Total, 18 years and over	6,805	8,087	100.0	100.0	5,399	6,588	100.0	100.0
Less than 5 weeks	2,725	2,904	40.0	35.9	1,960	2,095	36.3	31.8
5 to 14 weeks	2,429	2,585	35.7	32.0	1,979	2,146	36.7	32.6
5 to 10 weeks	1,633	1,696	24.0	21.3	1,312	1,367	24.3	20.7
11 to 14 weeks	796	890	11.7	11.3	666	778	12.3	11.8
15 weeks and over	1,651	2,597	24.3	32.1	1,460	2,347	27.0	35.6
15 to 26 weeks	989	1,285	14.5	15.9	881	1,144	16.3	17.4
27 weeks and over	662	1,312	9.7	16.2	579	1,204	10.7	18.3
27 to 51 weeks	370	703	5.4	8.7	327	643	6.1	9.8
52 weeks and over	292	609	4.3	7.5	252	561	4.7	8.5
Average (mean) duration, in weeks	11.9	15.2	--	--	12.8	16.6	--	--
Median duration, in weeks	7.5	9.0	--	--	8.5	10.2	--	--

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

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981
	March 1981								Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981
Total, 18 years and over	8,087	2,904	2,585	1,285	1,312	15.2	9.0	40.0	35.9	24.3	32.1
16 to 21 years	2,495	1,075	824	329	267	11.9	6.8	45.3	43.1	17.7	23.9
16 to 19 years	1,644	758	517	219	149	10.8	5.9	46.1	46.1	16.1	22.4
20 to 24 years	1,915	714	645	282	275	14.2	8.8	40.7	37.3	22.3	29.1
25 to 34 years	2,094	681	682	350	381	16.6	9.9	38.2	32.5	26.9	34.9
35 to 44 years	1,093	350	325	199	219	16.9	11.0	39.2	32.0	27.4	38.3
45 to 54 years	732	212	222	132	167	19.2	11.4	37.5	28.9	30.1	40.8
55 to 64 years	504	155	160	96	93	17.3	10.1	26.9	30.8	33.5	37.5
65 years and over	104	34	34	7	28	17.6	8.5	49.6	33.1	25.3	34.5
Males, 18 years and over	4,722	1,444	1,517	856	905	17.2	10.9	34.8	30.6	27.6	37.3
16 to 21 years	1,470	563	503	210	193	13.2	8.0	42.4	38.3	19.1	27.5
16 to 19 years	929	383	301	140	106	12.2	7.1	44.1	41.2	17.6	26.4
20 to 24 years	1,204	373	434	198	200	15.3	10.6	36.1	31.0	24.3	33.3
25 to 34 years	1,212	333	396	229	253	18.5	11.9	32.3	27.5	31.4	39.8
35 to 44 years	615	173	172	135	135	18.4	13.0	31.7	28.2	29.6	43.9
45 to 54 years	420	90	116	89	125	23.8	15.6	33.4	21.3	34.6	51.1
55 to 64 years	285	77	83	62	63	19.7	12.5	19.2	26.9	40.5	43.9
65 years and over	57	16	15	2	24	23.4	13.6	(1)	(1)	(1)	(1)
Females, 18 years and over	3,365	1,460	1,069	429	407	12.4	6.8	47.1	43.4	19.8	24.8
16 to 21 years	1,025	512	321	119	74	10.1	5.0	48.9	49.9	16.0	18.8
16 to 19 years	715	376	216	80	44	8.9	4.8	48.4	52.5	14.4	17.3
20 to 24 years	711	341	211	84	75	11.6	5.8	48.2	48.0	18.9	22.3
25 to 34 years	882	348	286	120	128	14.0	7.8	46.4	39.4	20.7	28.1
35 to 44 years	478	176	153	64	84	15.0	8.9	47.5	36.9	25.0	31.0
45 to 54 years	312	122	106	42	42	12.9	7.5	42.8	39.3	24.4	26.9
55 to 64 years	219	78	77	34	29	14.3	7.7	42.5	35.8	19.3	29.0
65 years and over	47	19	18	5	5	10.4	6.1	(1)	(1)	(1)	(1)
White, 18 years and over	6,360	2,289	2,069	1,033	970	14.7	8.9	40.5	36.0	23.1	31.5
Males	3,844	1,195	1,247	707	595	16.6	10.8	35.2	31.1	25.8	36.5
Females	2,517	1,094	822	326	275	11.8	6.6	47.9	43.5	19.2	23.9
Black and other, 18 years and over	1,727	616	517	252	342	17.1	9.2	38.5	35.7	28.6	34.4
Males	879	249	270	149	210	19.7	11.5	33.2	28.4	34.9	40.9
Females	848	366	247	103	132	14.4	7.2	44.4	43.2	21.6	27.7
Males, 18 years and over:											
Married, spouse present	1,956	551	571	413	421	18.5	12.6	31.6	28.2	29.5	42.6
Widowed, divorced, or separated	465	114	153	87	111	20.4	13.1	28.7	24.5	36.0	42.6
Single (never married)	2,301	779	792	357	373	15.3	9.3	38.8	33.9	24.2	31.7
Females, 18 years and over:											
Married, spouse present	1,428	620	458	182	168	11.9	6.6	49.0	43.4	19.0	24.5
Widowed, divorced, or separated	672	240	222	103	107	15.2	8.7	48.2	35.7	23.7	31.2
Single (never married)	1,264	600	388	144	132	11.5	5.7	44.3	47.4	18.7	21.8

¹ Percent not shown where base is less than 75,000.

A-19. Unemployed persons by occupation, industry, and duration of unemployment

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		16 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981
	March 1981										
OCCUPATION											
White-collar workers	2,035	804	692	281	259	13.3	7.7	44.5	39.5	21.6	26.5
Professional and managerial	692	252	240	102	98	13.3	7.8	42.3	36.4	24.0	29.0
Sales workers	260	96	89	45	29	13.8	9.0	43.5	37.0	25.9	28.7
Clerical workers	1,083	456	363	133	131	12.3	7.3	46.4	42.1	18.6	24.4
Blue-collar workers	3,822	1,163	1,189	696	774	17.4	11.0	33.2	30.4	28.3	38.5
Craft and kindred workers	1,198	382	368	236	211	16.1	10.7	31.3	31.9	25.2	37.4
Operatives, except transport	1,421	435	413	246	326	18.2	11.2	36.8	30.6	29.1	40.3
Transport equipment operatives	402	122	142	68	71	16.3	10.7	24.0	30.3	35.4	34.4
Nonfarm laborers	801	223	266	146	155	18.5	11.2	33.5	27.9	28.1	38.9
Service workers	1,172	456	414	166	137	13.3	8.0	49.1	38.9	19.3	25.8
INDUSTRY¹											
Agriculture	213	80	67	55	11	11.8	8.2	41.6	37.5	21.9	31.1
Construction	1,023	275	392	239	118	14.6	11.6	30.3	26.9	23.5	34.8
Manufacturing	1,994	645	530	320	499	18.7	10.7	37.2	32.4	29.0	41.1
Durable goods	1,195	354	310	183	348	20.4	12.3	37.3	29.6	32.0	44.4
Nondurable goods	799	291	220	138	151	16.0	9.2	37.2	36.4	24.6	36.1
Transportation and public utilities	402	111	145	68	78	17.3	10.7	33.5	27.7	35.6	36.3
Wholesale and retail trade	1,468	568	550	187	154	12.5	7.8	41.7	38.7	21.5	23.9
Finance and service industries	1,640	648	533	221	239	14.0	7.6	45.0	39.5	21.2	28.0
Public administration	266	88	80	51	47	15.3	9.6	39.8	33.0	34.4	36.8
No previous work experience	886	418	233	102	132	14.1	6.2	46.1	47.2	20.5	26.4

¹ Includes wage and salary workers only.

A-20. Employed persons by industry, age, and sex

[In thousands]

Industry and age	Total		Males		Females	
	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981
All industries	96,546	97,318	55,484	55,379	41,062	41,940
16 to 19 years	7,167	6,659	3,860	3,481	3,307	3,178
16 to 17 years	2,798	2,519	1,553	1,314	1,245	1,205
18 to 19 years	4,369	4,140	2,307	2,167	2,062	1,973
20 to 24 years	13,373	13,315	7,157	6,996	6,216	6,318
25 to 54 years	61,688	63,045	35,734	36,212	25,954	26,833
25 to 34 years	26,125	27,034	15,065	15,485	11,060	11,550
35 to 44 years	19,264	19,660	11,062	11,224	8,202	8,436
45 to 54 years	16,299	16,352	9,607	9,504	6,692	6,848
55 to 64 years	11,390	11,367	6,911	6,894	4,479	4,473
55 to 59 years	7,031	7,019	4,230	4,255	2,801	2,764
60 to 64 years	4,359	4,349	2,682	2,640	1,677	1,709
65 years and over	2,928	2,932	1,822	1,795	1,106	1,137
Nonagricultural industries	93,584	94,413	53,038	53,015	40,546	41,398
16 to 19 years	6,893	6,385	3,631	3,252	3,263	3,133
16 to 17 years	2,663	2,400	1,442	1,215	1,221	1,186
18 to 19 years	4,231	3,985	2,189	2,038	2,042	1,947
20 to 24 years	13,016	12,993	6,860	6,732	6,156	6,261
25 to 54 years	60,138	61,492	34,496	34,989	25,642	26,502
25 to 34 years	25,557	26,467	14,597	15,029	10,960	11,438
35 to 44 years	18,774	19,152	10,685	10,835	8,088	8,317
45 to 54 years	15,807	15,873	9,214	9,126	6,593	6,747
55 to 64 years	10,886	10,909	6,485	6,503	4,401	4,406
55 to 59 years	6,755	6,767	4,002	4,048	2,753	2,720
60 to 64 years	4,131	4,142	2,483	2,456	1,648	1,686
65 years and over	2,651	2,634	1,566	1,538	1,085	1,097
Agriculture	2,962	2,905	2,447	2,364	515	541
16 to 19 years	274	273	233	229	44	45
16 to 17 years	136	118	111	99	25	19
18 to 19 years	138	155	119	130	19	25
20 to 24 years	357	322	297	264	60	58
25 to 54 years	1,550	1,554	1,239	1,223	313	332
25 to 34 years	568	568	468	456	100	112
35 to 44 years	490	508	377	389	114	119
45 to 54 years	492	479	393	377	99	101
55 to 64 years	504	458	426	391	78	67
55 to 59 years	276	251	228	207	48	44
60 to 64 years	228	207	198	184	30	23
65 years and over	277	298	256	257	21	40

HOUSEHOLD DATA

A-21. Employed persons by occupation, sex, and age
 (In thousands)

Occupation	Total		Males, 20 years and over		Females, 20 years and over		Males, 16-19 years		Females, 16-19 years	
	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981
	TOTAL	95,546	97,318	51,624	51,898	37,755	38,762	3,860	3,481	3,307	3,178
White-collar workers	50,604	52,044	22,895	23,523	25,213	26,143	700	647	1,791	1,726
Professional and technical	15,736	16,175	8,606	8,855	5,938	7,152	91	78	102	90
Health workers	2,962	3,015	950	983	1,993	2,017	6	6	13	9
Teachers, except college	3,304	3,309	940	961	2,343	2,328	6	6	14	14
Other professional and technical	9,470	9,851	6,716	6,911	2,602	2,807	79	66	75	67
Managers and administrators, except farm	10,744	11,542	7,838	8,335	2,811	3,106	57	69	38	31
Salaried workers	8,875	9,644	6,457	6,925	2,323	2,624	56	65	37	29
Self-employed workers in retail trade	886	838	558	528	327	306	1	4	--	--
Self-employed workers, except retail trade	983	1,060	822	882	161	176	--	1	1	1
Sales workers	6,052	6,139	3,118	3,173	2,280	2,390	252	188	401	388
Retail trade	3,074	3,078	995	967	1,540	1,640	177	129	362	341
Other industries	2,978	3,061	2,123	2,206	740	750	75	58	39	47
Clerical workers	18,073	18,189	3,334	3,165	13,189	13,494	300	313	1,250	1,217
Stenographers, typists, and secretaries	4,896	4,989	63	67	4,472	4,616	11	9	350	298
Other clerical workers	13,177	13,200	3,271	3,098	8,717	8,878	289	304	900	919
Blue-collar workers	30,580	29,647	22,910	22,461	5,325	5,230	2,005	1,705	340	251
Craft and kindred workers	12,358	12,227	11,222	11,103	652	736	445	356	40	32
Carpenters	1,161	1,024	1,088	982	11	13	60	28	2	--
Construction craft workers, except carpenters	2,408	2,428	2,286	2,312	29	42	90	73	3	1
Mechanics and repairers	3,310	3,322	3,082	3,115	62	48	161	159	4	2
Metal craft workers	1,310	1,303	1,233	1,203	40	70	36	28	1	2
Blue-collar worker supervisors, not elsewhere classified	1,687	1,850	1,504	1,628	163	203	16	8	4	10
All other	2,483	2,300	2,029	1,864	346	358	81	60	26	18
Operatives, except transport	10,441	10,077	5,634	5,618	3,939	3,821	639	495	229	142
Durable goods manufacturing	4,833	4,525	2,963	2,848	1,577	1,496	215	136	77	46
Nondurable goods manufacturing	3,331	3,162	1,264	1,261	1,843	1,746	116	85	112	70
Other industries	2,277	2,390	1,408	1,510	522	578	308	277	40	26
Transport equipment operatives	3,505	3,319	3,050	2,896	301	273	145	139	8	11
Drivers, motor vehicles	2,968	2,876	2,551	2,484	288	258	121	122	8	11
All other	536	443	500	412	13	15	23	17	--	--
Nonfarm laborers	4,276	4,024	3,004	2,843	433	401	776	714	63	67
Construction	761	619	633	538	13	7	110	74	--	1
Manufacturing	990	931	768	703	147	144	69	79	6	5
Other industries	2,524	2,474	1,603	1,603	269	250	597	560	56	61
Service workers	12,930	13,223	3,940	4,085	5,869	7,030	976	937	1,145	1,171
Private household workers	1,005	1,074	15	27	809	842	7	22	174	183
Service workers, except private household	11,925	12,149	3,926	4,058	6,060	6,189	969	915	971	988
Food service workers	4,429	4,459	864	916	2,284	2,280	611	591	670	672
Protective service workers	1,369	1,450	1,233	1,281	111	135	17	25	7	9
All other	6,127	6,240	1,829	1,861	3,665	3,774	341	299	294	307
Farm workers	2,432	2,404	1,879	1,823	343	359	179	192	31	30
Farmers and farm managers	1,402	1,405	1,254	1,247	133	138	14	19	--	1
Farm laborers and supervisors	1,030	999	625	576	210	221	165	173	31	28
Paid workers	810	775	598	540	87	92	105	123	21	21
Unpaid family workers	220	224	26	36	123	130	60	50	10	8

HOUSEHOLD DATA

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

[Percent distribution]

Occupation and race	Total		Male		Female	
	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981
TOTAL						
Total, 16 years and over (thousands)	96,546	97,318	55,484	55,379	41,062	41,940
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	52.4	53.5	42.5	43.7	65.8	66.5
Professional and technical	16.3	16.6	15.7	16.1	17.1	17.3
Managers and administrators, except farm	11.1	11.9	14.2	15.2	6.9	7.5
Sales workers	6.3	6.3	6.1	6.1	6.5	6.6
Clerical workers	18.7	18.7	6.5	6.3	35.2	35.1
Blue-collar workers	31.7	30.5	44.9	43.6	13.8	13.1
Craft and kindred workers	12.8	12.6	21.0	20.7	1.7	1.8
Operatives, except transport	10.8	10.4	11.3	11.0	10.2	9.4
Transport equipment operatives	3.6	3.4	5.8	5.5	.8	.7
Nonfarm laborers	4.4	4.1	6.8	6.4	1.2	1.1
Service workers	13.4	13.6	8.9	9.1	19.5	19.6
Private household workers	1.0	1.1	(1)	.1	2.4	2.4
Other service workers	12.4	12.5	8.8	9.0	17.1	17.1
Farm workers	2.5	2.5	3.7	3.6	.9	.9
Farmers and farm managers	1.5	1.4	2.3	2.3	.3	.3
Farm laborers and supervisors	1.1	1.0	1.4	1.4	.6	.6
White						
Total, 16 years and over (thousands)	85,845	86,454	49,913	49,745	35,932	36,709
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	54.2	55.1	44.3	45.3	67.9	68.4
Professional and technical	16.8	17.1	16.3	16.7	17.5	17.6
Managers and administrators, except farm	11.9	12.6	15.1	16.0	7.5	8.0
Sales workers	6.7	6.8	6.4	6.5	7.0	7.1
Clerical workers	18.8	18.7	6.5	6.1	35.9	35.7
Blue-collar workers	31.1	30.0	43.8	42.7	13.3	12.7
Craft and kindred workers	13.1	12.9	21.3	21.1	1.8	1.9
Operatives, except transport	10.4	10.0	10.9	10.7	9.6	9.0
Transport equipment operatives	3.5	3.2	5.4	5.1	.8	.7
Nonfarm laborers	4.1	3.9	6.2	5.9	1.2	1.1
Service workers	12.2	12.3	8.1	8.2	17.8	17.9
Private household workers	.8	.8	(1)	.1	1.8	1.9
Other service workers	11.4	11.5	8.1	8.1	16.0	16.0
Farm workers	2.6	2.6	3.8	3.7	1.0	1.0
Farmers and farm managers	1.6	1.6	2.5	2.5	.4	.4
Farm laborers and supervisors	1.0	1.0	1.3	1.3	.6	.6
Black and other						
Total, 16 years and over (thousands)	10,701	10,865	5,571	5,634	5,129	5,230
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	38.3	40.5	26.8	28.9	50.7	53.1
Professional and technical	12.3	13.1	10.3	11.2	14.5	15.1
Managers and administrators, except farm	4.8	5.9	5.2	7.6	3.2	4.1
Sales workers	3.0	2.8	3.0	2.2	3.0	3.4
Clerical workers	18.2	18.8	7.4	8.0	29.9	30.5
Blue-collar workers	36.5	34.1	54.4	51.5	17.1	15.4
Craft and kindred workers	10.1	9.7	13.3	17.3	1.2	1.5
Operatives, except transport	14.5	13.5	15.1	14.4	13.9	12.5
Transport equipment operatives	5.0	5.0	3.9	9.1	.7	.5
Nonfarm laborers	7.0	6.0	12.2	10.7	1.3	1.0
Service workers	23.2	23.7	15.5	16.9	31.7	31.0
Private household workers	3.2	3.2	.2	.3	6.6	6.4
Other service workers	20.0	20.5	15.3	16.6	25.1	24.6
Farm workers	2.0	1.6	3.3	2.7	.5	.4
Farmers and farm managers	.4	.3	.7	.6	.1	(1)
Farm laborers and supervisors	1.6	1.3	2.6	2.1	.4	.4

¹ Less than 0.05 percent.

HOUSEHOLD DATA

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

[In thousands]

Age and sex	March 1981								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	87,132	1,155	15,889	70,088	6,882	399	1,176	1,491	237
16 to 19 years	6,257	232	471	5,554	99	30	187	28	59
16 to 17 years	2,332	165	156	2,011	51	17	77	9	33
18 to 19 years	3,925	67	315	3,543	48	12	110	19	26
20 to 24 years	12,660	90	1,394	11,176	313	20	215	85	22
25 to 34 years	24,825	178	4,614	20,033	1,561	81	314	221	33
35 to 44 years	17,364	109	3,783	13,472	1,681	107	191	279	38
45 to 54 years	14,221	184	3,222	10,815	1,559	93	122	313	44
55 to 64 years	9,732	223	2,048	7,461	1,128	50	100	338	20
55 to 59 years	6,091	120	1,316	4,655	654	23	58	177	15
60 to 64 years	3,641	103	733	2,806	474	27	42	160	5
65 years and over	2,074	139	357	1,578	541	19	48	228	22
Males, 16 years and over	48,254	148	7,750	40,356	4,711	49	941	1,336	86
16 to 19 years	3,174	50	201	2,923	56	22	152	26	50
16 to 17 years	1,169	38	67	1,064	32	13	62	9	28
18 to 19 years	2,005	12	134	1,859	24	9	90	17	23
20 to 24 years	6,522	15	607	5,900	203	7	168	81	15
25 to 34 years	13,989	24	2,167	11,799	1,036	3	249	203	3
35 to 44 years	9,672	9	1,778	7,884	1,159	4	149	237	3
45 to 54 years	8,026	7	1,697	6,322	1,098	3	98	275	4
55 to 64 years	5,704	20	1,091	4,593	795	4	81	311	--
55 to 59 years	3,597	10	706	2,880	450	1	48	159	--
60 to 64 years	2,107	10	384	1,713	345	3	32	151	--
65 years and over	1,167	23	209	935	364	7	45	203	10
Females, 16 years and over	38,878	1,008	8,139	29,732	2,170	350	235	155	151
16 to 19 years	3,083	182	270	2,631	43	7	34	2	9
16 to 17 years	1,163	127	89	947	19	4	14	--	5
18 to 19 years	1,920	55	181	1,684	24	3	20	2	3
20 to 24 years	6,138	75	787	5,276	110	13	47	4	7
25 to 34 years	10,835	154	2,447	8,234	525	78	64	18	29
35 to 44 years	7,692	100	2,005	5,588	521	103	42	42	35
45 to 54 years	6,195	177	1,525	4,493	461	91	24	38	39
55 to 64 years	4,028	203	958	2,868	332	46	20	27	20
55 to 59 years	2,494	110	609	1,775	204	22	10	18	15
60 to 64 years	1,534	93	348	1,093	128	24	9	9	5
65 years and over	907	116	148	643	178	12	3	25	12

A-24. Employed persons by industry and occupation

[In thousands]

Industry	March 1981											
	Total employed	White-collar workers				Blue-collar workers				Service workers		Farm workers
		Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
Agriculture	2,905	80	31	6	73	57	14	24	196	--	10	2,434
Mining	1,018	143	102	7	117	230	340	49	23	--	8	--
Construction	5,466	190	767	26	429	3,017	242	146	619	--	28	--
Manufacturing	21,458	2,484	1,757	527	2,606	4,295	7,697	721	931	--	449	--
Durable goods	12,985	1,699	1,044	170	1,513	2,915	4,525	322	546	--	251	--
Nondurable goods	8,473	786	713	357	1,093	1,379	3,162	399	384	--	199	--
Transportation and public utilities	6,302	554	706	65	1,498	1,362	159	1,384	392	--	172	--
Wholesale and retail trade	19,736	415	3,995	4,042	3,486	1,377	866	724	1,204	--	3,626	--
Wholesale trade	3,899	173	856	965	764	329	182	359	226	--	46	--
Retail trade	15,837	242	3,139	3,078	2,722	1,048	684	365	978	--	3,580	--
Finance, insurance, and real estate	6,025	335	1,186	1,291	2,829	89	13	13	50	--	219	--
Services	29,226	10,947	2,257	168	5,343	1,508	705	207	476	1,074	6,540	--
Private households	1,236	16	--	--	6	4	4	2	82	1,074	47	--
Other service industries	27,990	10,931	2,256	168	5,337	1,504	701	205	394	--	6,493	--
Public administration	5,183	1,026	741	7	1,807	282	39	50	134	--	1,097	--

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

[In thousands]

Reason not working and sex	All Industries		Nonagricultural industries					
			Total		Wage and salary workers ¹			
	Mar. 1980				Mar. 1981		Paid absences ²		Unpaid absences^{2}
			Mar. 1980	Mar. 1981			Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981
Total, 16 years and over	4,232	3,975	4,048	3,833	1,656	1,748	1,830	1,531
Vacation	1,469	1,465	1,434	1,434	890	948	381	325
Illness	1,577	1,445	1,525	1,389	582	585	783	665
Bad weather	260	99	200	78	--	--	--	--
Industrial dispute	141	34	141	34	--	--	--	--
All other reasons	785	933	748	898	183	215	666	541
Males, 16 years and over	2,389	2,120	2,221	1,997	920	992	951	650
Vacation	772	782	738	754	476	528	155	128
Illness	837	797	792	750	333	361	379	298
All other reasons ³	781	543	690	494	112	104	417	224
Females, 16 years and over	1,843	1,854	1,827	1,835	735	755	880	882
Vacation	697	683	695	680	414	420	226	198
Illness	740	648	732	639	250	224	405	367
All other reasons ³	406	523	400	515	71	111	249	317

¹Excludes private household workers.³Includes bad weather and industrial dispute, not shown separately.²Pay status not available separately for bad weather and industrial dispute; these categories are included in "all other reasons."

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

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

Hours of work	March 1981					
	Thousands of persons			Percent distribution		
	All Industries	Nonagri-cultural industries	Agri-culture	All Industries	Nonagri-cultural industries	Agri-culture
Total, 16 years and over	93,344	90,581	2,763	100.0	100.0	100.0
1-34 hours	22,835	22,017	820	24.5	24.3	29.7
1-4 hours	868	834	35	.9	.9	1.3
5-14 hours	4,414	4,222	192	4.7	4.7	6.9
15-29 hours	11,465	11,047	418	12.3	12.2	15.1
30-34 hours	6,088	5,914	175	6.5	6.5	6.3
35 hours and over	70,509	68,565	1,945	75.5	75.7	70.3
35-39 hours	6,819	6,646	173	7.3	7.3	6.3
40 hours	40,343	39,806	538	43.2	43.9	19.5
41 hours and over	23,347	22,113	1,234	25.0	24.4	44.6
41 to 48 hours	9,311	9,063	248	10.0	10.0	9.0
49 to 59 hours	8,263	7,879	384	8.9	8.7	13.9
60 hours and over	5,773	5,171	502	6.2	5.7	21.8
Average hours, total at work	38.3	38.2	42.8	--	--	--
Average hours, workers on full-time schedules	42.9	42.7	50.4	--	--	--

HOUSEHOLD DATA

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

[Numbers in thousands]

Reason for working less than 35 hours	March 1981					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over	22,835	6,360	16,475	22,017	6,066	15,950
Economic reasons	4,247	1,748	2,499	4,018	1,610	2,408
Slack work	2,347	1,487	860	2,165	1,358	807
Material shortages or repairs to plant and equipment	71	71	--	69	69	--
New job started during week	135	135	--	128	128	--
Job terminated during week	55	55	--	55	55	--
Could find only part-time work	1,639	--	1,639	1,601	--	1,601
Other reasons	18,588	4,612	13,976	18,000	4,458	13,542
Does not want, or unavailable for, full-time work	12,005	--	12,005	11,650	--	11,650
Vacation	855	855	--	843	843	--
Illness	1,954	1,764	190	1,911	1,735	176
Bad weather	349	349	--	281	281	--
Industrial dispute	26	25	--	26	26	--
Legal or religious holiday	83	83	--	83	83	--
Full time for this job	1,340	--	1,340	1,309	--	1,309
All other reasons	1,976	1,535	441	1,895	1,488	407
Average hours:						
Economic reasons	21.7	23.9	20.1	21.7	24.1	20.1
Other reasons	20.5	26.1	18.7	20.6	26.2	18.7
Worked 30 to 34 hours:						
Economic reasons	1,347	776	571	1,292	738	554
Other reasons	4,741	2,395	2,346	4,622	2,349	2,273

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

[Numbers in thousands]

Industry	March 1981								Average hours, total at work	Average hours, workers on full-time schedules
	Full- or part-time status									
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules						
Total				40 hours or less	41 to 48 hours	49 hours or more				
Total, 16 years and over ¹	90,581	4,018	13,542	73,021	50,908	9,063	13,050	38.2	42.7	
Wage and salary workers	83,808	3,498	12,237	68,073	48,597	8,549	10,827	38.0	42.3	
Construction	4,177	340	182	3,655	2,723	350	582	39.1	41.8	
Manufacturing	20,345	643	688	19,014	13,754	2,818	2,442	40.7	41.9	
Durable goods	12,360	248	311	11,801	8,534	1,771	1,496	41.1	42.0	
Nondurable goods	7,984	395	377	7,212	5,219	1,047	946	39.9	41.9	
Transportation and public utilities	5,738	179	392	5,167	3,649	626	892	40.4	42.7	
Wholesale and retail trade	17,105	1,016	4,662	11,427	7,272	1,873	2,282	35.3	43.1	
Finance, insurance, and real estate	5,382	93	511	4,778	3,672	491	615	38.9	41.2	
Service industries	25,133	1,138	5,498	18,497	13,503	1,780	3,214	36.0	42.3	
Private households	1,110	186	562	362	255	24	83	23.0	43.0	
All other industries	24,023	952	4,936	18,135	13,248	1,756	3,131	36.6	42.3	
Public administration	4,982	71	286	4,625	3,596	491	538	39.9	41.6	
Self-employed workers	6,373	509	1,148	4,716	2,084	495	2,137	40.7	48.8	
Unpaid family workers	400	12	157	231	125	20	86	36.0	45.7	

¹ Includes mining, not shown separately.

A-29. 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	March 1981							
	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		
TOTAL								
Both sexes, 16 years and over	90,581	4,018	13,542	73,021	50,908	22,113	38.2	42.7
16 to 21 years	10,860	775	4,586	5,499	4,260	1,239	28.9	40.7
16 to 19 years	6,194	422	3,547	2,225	1,738	487	25.0	40.5
16 to 17 years	2,343	78	2,005	260	210	50	17.3	37.6
18 to 19 years	3,851	344	1,541	1,966	1,529	437	29.6	40.9
20 years and over	84,387	3,596	9,995	70,796	49,170	21,626	39.1	42.8
20 to 24 years	12,595	835	1,984	9,776	7,355	2,421	36.6	41.4
25 years and over	71,791	2,762	8,011	61,018	41,814	19,204	39.6	43.0
25 to 44 years	43,898	1,690	4,155	38,053	25,811	12,242	40.1	43.1
45 to 64 years	25,486	984	2,646	21,856	15,203	6,653	39.7	42.9
65 years and over	2,408	88	1,210	1,110	800	310	28.8	42.3
Males, 16 years and over	51,018	1,840	4,168	45,010	28,197	16,813	41.2	44.1
16 to 21 years	5,564	381	2,166	3,017	2,150	867	30.5	41.8
16 to 19 years	3,162	213	1,718	1,231	896	335	26.2	41.5
16 to 17 years	1,183	43	986	154	112	42	18.0	38.9
18 to 19 years	1,979	171	732	1,076	783	293	31.0	41.9
20 years and over	47,856	1,627	2,450	43,779	27,303	16,476	42.1	44.2
20 to 24 years	6,565	432	808	5,325	3,628	1,697	38.4	42.7
25 years and over	41,291	1,195	1,641	38,455	23,675	14,780	42.7	44.4
25 to 44 years	25,012	746	523	23,743	14,297	9,446	43.4	44.6
45 to 64 years	14,869	405	471	13,993	8,877	5,116	42.7	44.1
65 years and over	1,411	44	647	720	502	218	30.2	42.3
Females, 16 years and over	39,563	2,178	9,374	28,011	22,711	5,300	34.3	40.4
16 to 21 years	5,296	394	2,421	2,481	2,111	370	27.3	39.3
16 to 19 years	3,032	208	1,829	995	844	151	23.7	39.3
16 to 17 years	1,160	34	1,020	106	98	8	16.6	35.7
18 to 19 years	1,872	174	809	889	746	143	28.1	39.8
20 years and over	36,531	1,970	7,545	27,016	21,867	5,149	35.2	40.5
20 to 24 years	6,031	403	1,176	4,452	3,728	724	34.6	39.9
25 years and over	30,501	1,566	6,370	22,565	18,139	4,426	35.3	40.6
25 to 44 years	18,887	944	3,632	14,311	11,514	2,797	35.7	40.5
45 to 64 years	10,617	579	2,175	7,863	6,327	1,536	35.5	40.7
65 years and over	997	44	562	391	299	92	26.9	42.1
RACE								
White	80,440	3,347	12,444	54,649	44,055	20,594	38.3	42.9
Males	45,797	1,562	3,736	40,499	24,716	15,783	41.4	44.3
Females	34,643	1,785	8,708	24,150	19,338	4,812	34.1	40.5
Black and other	10,141	671	1,098	8,372	6,853	1,519	37.3	40.9
Males	5,221	278	432	4,511	3,480	1,031	38.8	41.9
Females	4,920	393	666	3,861	3,372	489	35.6	39.8
MARITAL STATUS								
Males, 16 years and over:								
Married, spouse present	34,972	902	1,256	32,814	19,962	12,852	42.9	44.4
Widowed, divorced, or separated	4,416	211	245	3,960	2,467	1,493	41.9	44.4
Single (never married)	11,630	727	2,667	8,236	5,768	2,468	35.5	42.7
Females, 16 years and over:								
Married, spouse present	22,084	1,155	5,487	15,442	12,650	2,792	34.3	40.3
Widowed, divorced, or separated	7,883	455	1,103	6,325	4,987	1,338	36.9	40.9
Single (never married)	9,596	568	2,784	6,244	5,073	1,171	32.3	40.3

HOUSEHOLD DATA

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

[Numbers in thousands]

Occupation and sex	March 1981								
	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 40 hours			40 hours or more
Total, 16 years and over	91,057	4,067	13,613	73,377	51,139	9,108	13,130	38.2	42.7
White-collar workers	49,956	1,226	7,331	41,399	28,048	4,783	8,568	39.0	43.1
Professional and technical	15,481	282	1,882	13,317	8,769	1,518	3,030	40.1	43.7
Managers and administrators, except farm	11,086	147	589	10,350	5,282	1,464	3,604	44.7	46.4
Sales workers	5,857	256	1,477	4,124	2,496	485	1,143	36.5	44.1
Clerical workers	17,532	541	3,383	13,608	11,504	1,315	789	35.3	39.8
Blue-collar workers	28,425	1,708	2,045	24,672	17,526	3,630	3,516	39.4	42.2
Craft and kindred workers	11,764	563	461	10,740	7,333	1,695	1,712	40.7	42.6
Operatives, except transport	9,638	596	550	8,492	6,506	1,173	813	39.0	41.2
Transport equipment operatives	3,167	208	333	2,626	1,498	418	720	40.9	45.2
Nonfarm laborers	3,856	342	701	2,813	2,199	344	270	34.8	40.8
Service workers	12,676	1,133	4,237	7,306	5,565	695	1,046	32.1	41.9
Private household	1,036	155	532	349	248	26	75	23.3	42.3
Other service workers	11,640	978	3,706	6,956	5,315	669	972	32.9	41.9
Males, 16 years and over	51,345	1,879	4,185	45,281	28,365	6,407	10,509	41.1	44.0
White-collar workers	23,322	328	1,571	21,423	11,966	2,824	6,633	43.3	45.5
Professional and technical	8,629	92	533	8,004	4,795	924	2,285	43.2	45.2
Managers and administrators, except farm	8,084	102	242	7,740	3,578	1,107	3,055	46.2	47.4
Sales workers	3,229	63	344	2,822	1,485	368	969	42.1	45.7
Clerical workers	3,381	72	452	2,857	2,110	424	323	38.0	41.4
Blue-collar workers	23,198	1,285	1,443	20,470	14,043	3,175	3,252	40.0	42.6
Craft and kindred workers	11,021	529	347	10,145	6,871	1,620	1,654	41.0	42.7
Operatives, except transport	5,872	254	297	5,321	3,839	826	656	40.1	42.1
Transport equipment operatives	2,897	190	207	2,500	1,393	412	695	41.9	45.3
Nonfarm laborers	3,409	312	593	2,504	1,940	317	247	35.0	40.9
Service workers	4,825	266	1,171	3,388	2,356	408	624	36.0	43.6
Private household	44	2	28	14	12	--	2	19.9	41.9
Other service workers	4,782	264	1,143	3,375	2,344	408	623	36.1	43.6
Females, 16 years and over	39,712	2,190	9,427	28,095	22,774	2,700	2,621	34.3	40.4
White-collar workers	26,634	899	5,759	19,976	16,082	1,959	1,935	35.2	40.5
Professional and technical	6,852	191	1,349	5,312	3,973	594	745	36.3	41.3
Managers and administrators, except farm	3,002	45	347	2,610	1,704	357	549	40.6	43.4
Sales workers	2,628	193	1,133	1,302	1,011	117	174	29.5	40.8
Clerical workers	14,151	470	2,931	10,750	9,392	891	467	34.7	39.4
Blue-collar workers	5,227	423	601	4,203	3,484	455	264	36.5	40.0
Craft and kindred workers	743	33	114	596	461	76	59	36.9	40.9
Operatives, except transport	3,766	343	253	3,170	2,666	347	157	37.2	39.7
Transport equipment operatives	270	18	126	126	95	6	25	30.2	42.0
Nonfarm laborers	447	30	108	309	258	27	24	33.7	39.8
Service workers	7,851	868	3,067	3,916	3,238	286	422	29.7	40.5
Private household	993	153	504	336	237	26	73	23.5	42.3
Other service workers	6,858	715	2,563	3,580	2,970	261	349	30.6	40.3

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

[Numbers in thousands]

Employment status	March 1981								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	7,354	3,741	3,614	6,094	3,108	2,986	1,260	633	627
Civilian labor force	1,002	540	462	933	501	432	70	39	30
Employed	819	425	395	784	403	381	35	21	14
Agriculture	64	52	12	61	49	12	3	3	--
Nonagricultural industries	755	372	382	723	354	368	32	18	14
Unemployed	183	116	68	149	97	51	34	18	16
Unemployment rate	18.3	21.5	14.7	16.0	19.4	11.8	(1)	(1)	(1)
Not in labor force	6,352	3,200	3,151	5,161	2,607	2,554	1,191	593	597
Keeping house	32	6	26	23	6	16	9	--	10
Going to school	6,165	3,131	3,034	5,027	2,553	2,474	1,138	578	560
Unable to work	5	2	3	5	2	3	--	--	--
All other reasons	150	61	88	107	46	61	43	16	27

¹ Percent not shown where base is less than 75,000.

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

Class of worker and occupation	March 1981					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	819	425	395	100.0	100.0	100.0
Nonagricultural industries	755	372	382	92.2	87.7	96.7
Wage and salary workers	689	324	365	84.1	76.4	92.4
Private household workers	252	30	223	30.8	7.1	56.5
Government workers	39	23	15	4.8	5.4	3.8
Other wage and salary workers	398	271	127	48.6	63.9	32.2
Self-employed workers	62	48	14	7.6	11.3	3.5
Unpaid family workers	4	--	4	.5	--	1.0
Agriculture	64	52	12	7.8	12.3	3.0
Wage and salary workers	41	30	11	5.0	7.1	2.8
Self-employed workers	3	3	--	.4	.7	--
Unpaid family workers	20	19	1	2.4	4.5	.3
OCCUPATION						
Total	819	425	395	100.0	100.0	100.0
White-collar workers	253	174	79	30.9	40.9	20.0
Professional and technical	9	5	4	1.1	1.2	1.0
Managers and administrators, except farm	--	1	--	--	.2	--
Sales workers	185	150	35	22.6	35.3	8.9
Clerical workers	60	19	41	7.3	4.5	10.4
Blue-collar workers	100	88	12	12.2	20.7	3.0
Craft and kindred workers	4	4	--	.5	.9	--
Operatives, except transport	23	18	5	2.8	4.2	1.3
Transport equipment operatives	3	2	--	.4	.5	--
Nonfarm laborers	70	64	6	8.5	15.1	1.5
Service workers	406	112	294	49.5	26.4	74.4
Private household workers	240	14	225	29.3	3.3	57.0
Other service workers	167	98	69	20.4	23.1	17.5
Farm workers	60	50	10	7.3	11.8	2.5
Farmers and farm managers	3	3	--	.4	.7	--
Farm laborers and supervisors	56	47	10	6.8	11.1	2.5

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

[Numbers in thousands]

Employment status, sex, and age	1980										1981		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
TOTAL													
Total noninstitutional population ¹	165,506	165,693	165,886	166,105	166,391	166,578	166,789	167,005	167,201	167,396	167,585	167,747	167,902
Armed Forces	2,090	2,092	2,088	2,092	2,099	2,114	2,121	2,121	2,119	2,124	2,125	2,121	2,128
Civilian noninstitutional population ¹ ..	163,416	163,601	163,799	164,013	164,293	164,464	164,667	164,884	165,082	165,272	165,460	165,627	165,774
Civilian labor force	114,171	104,427	105,060	104,591	105,020	104,945	104,981	105,167	105,285	105,067	105,543	105,681	106,177
Percent of civilian population	63.7	63.8	64.1	63.8	63.9	63.8	63.8	63.8	63.8	63.6	63.8	63.8	64.0
Employed	97,028	97,225	97,116	96,780	96,999	97,003	97,180	97,206	97,339	97,282	97,696	97,927	98,412
Percent of total population	59.0	58.7	58.5	58.3	58.3	58.2	58.3	58.2	58.2	58.1	58.3	58.4	58.6
Agriculture	3,337	3,262	3,352	3,232	3,267	3,210	3,399	3,319	3,340	3,394	3,403	3,281	3,276
Nonagricultural industries	94,291	93,963	93,764	93,548	93,732	93,793	93,781	93,887	93,999	93,888	94,294	94,646	95,136
Unemployed	6,543	7,202	7,944	7,811	8,021	7,942	7,800	7,961	7,946	7,785	7,847	7,754	7,764
Unemployment rate	6.3	6.9	7.6	7.5	7.6	7.6	7.4	7.6	7.5	7.4	7.4	7.3	7.3
Not in labor force	59,445	59,174	58,739	59,422	59,273	59,519	59,687	59,717	59,797	60,205	59,917	59,946	59,598
Males, 20 years and over													
Total noninstitutional population ¹	70,096	70,988	71,083	71,190	71,326	71,430	71,544	71,661	71,768	71,875	71,980	72,070	72,155
Civilian noninstitutional population ¹ ..	69,238	69,329	69,428	69,532	69,664	69,756	69,864	69,987	70,095	70,198	70,320	70,413	70,481
Civilian labor force	54,966	55,127	55,440	55,182	55,344	55,403	55,475	55,495	55,539	55,470	55,443	55,445	55,816
Percent of civilian population	79.4	79.5	79.9	79.4	79.4	79.4	79.4	79.3	79.2	79.0	78.8	78.7	79.2
Employed	52,230	51,935	51,871	51,624	51,714	51,791	51,823	51,953	52,007	52,045	52,091	52,134	52,511
Percent of total population	73.7	73.2	73.0	72.5	72.5	72.5	72.4	72.5	72.5	72.4	72.4	72.3	72.8
Agriculture	2,386	2,334	2,377	2,301	2,306	2,301	2,389	2,351	2,372	2,331	2,378	2,289	2,296
Nonagricultural industries	49,644	49,601	49,494	49,323	49,408	49,490	49,438	49,612	49,635	49,714	49,713	49,844	50,215
Unemployed	2,736	3,192	3,569	3,558	3,630	3,612	3,652	3,532	3,532	3,425	3,352	3,312	3,305
Unemployment rate	5.0	5.8	6.4	6.4	6.6	6.5	6.6	6.4	6.4	6.2	6.0	6.0	5.9
Not in labor force	14,272	14,202	13,988	14,350	14,320	14,353	14,389	14,492	14,556	14,728	14,877	14,963	14,665
Females, 20 years and over													
Total noninstitutional population ¹	78,005	78,110	78,219	78,340	78,493	78,607	78,732	78,860	78,979	79,097	79,212	79,315	79,415
Civilian noninstitutional population ¹ ..	77,076	77,981	78,090	78,211	78,360	78,473	78,598	78,723	78,842	78,959	79,071	79,175	79,271
Civilian labor force	39,845	40,098	40,193	40,182	40,383	40,523	40,317	40,486	40,629	40,570	40,942	41,090	41,293
Percent of civilian population	51.2	51.4	51.5	51.4	51.5	51.6	51.3	51.4	51.5	51.4	51.8	51.9	52.1
Employed	37,550	37,597	37,600	37,613	37,728	37,890	37,804	37,754	37,909	37,820	38,191	38,410	38,567
Percent of total population	48.1	48.1	48.1	48.0	48.1	48.2	48.0	47.9	48.0	47.8	48.2	48.4	48.6
Agriculture	577	560	598	550	564	555	592	576	574	665	621	615	606
Nonagricultural industries	36,973	37,037	37,002	37,063	37,164	37,335	37,212	37,178	37,335	37,155	37,570	37,794	37,961
Unemployed	2,295	2,501	2,593	2,569	2,655	2,633	2,513	2,732	2,720	2,750	2,750	2,680	2,725
Unemployment rate	5.8	6.2	6.5	6.4	6.6	6.5	6.2	6.7	6.7	6.8	6.7	6.5	6.6
Not in labor force	38,331	37,883	37,897	38,029	37,977	37,950	38,281	38,237	38,213	38,389	38,129	38,085	37,978
Both sexes, 18-19 years													
Total noninstitutional population ¹	16,606	16,595	16,584	16,575	16,572	16,541	16,512	16,484	16,454	16,424	16,393	16,362	16,331
Civilian noninstitutional population ¹ ..	16,302	16,291	16,281	16,271	16,268	16,235	16,205	16,174	16,145	16,114	16,069	16,039	16,022
Civilian labor force	9,360	9,202	9,427	9,227	9,293	9,019	9,188	9,186	9,117	9,027	9,158	9,146	9,068
Percent of civilian population	57.4	56.5	57.9	56.7	57.1	55.5	56.7	56.8	56.5	56.0	57.0	57.0	56.6
Employed	7,648	7,693	7,645	7,543	7,557	7,322	7,553	7,489	7,423	7,417	7,414	7,384	7,334
Percent of total population	47.3	46.4	46.1	45.5	45.6	44.3	45.7	45.4	45.1	45.2	45.2	45.1	44.9
Agriculture	374	368	377	381	397	354	418	392	394	398	404	376	374
Nonagricultural industries	7,474	7,325	7,268	7,162	7,160	6,968	7,135	7,097	7,029	7,019	7,010	7,008	6,960
Unemployed	1,512	1,509	1,782	1,684	1,736	1,697	1,635	1,697	1,694	1,610	1,744	1,762	1,734
Unemployment rate	16.2	16.4	18.9	18.3	18.7	18.8	17.8	18.5	18.6	17.8	19.0	19.3	19.1
Not in labor force	6,942	7,089	6,854	7,044	6,975	7,216	7,017	6,988	7,028	7,087	6,911	6,893	6,954

¹ The population and Armed Forces figures are not adjusted for seasonal variations.

NOTE: Detail for the household data shown in tables A-33 through A-42 will not necessarily add to totals, because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Full- and part-time status	1980										1981		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
FULL TIME													
Total, 16 years and over:													
Civilian labor force	88,628	89,096	89,739	89,226	89,384	89,345	89,862	89,896	90,043	90,040	90,393	90,239	90,556
Employed	83,363	83,271	83,153	82,796	82,753	82,792	83,346	83,337	83,411	83,491	83,933	83,844	84,149
Unemployed	5,265	5,825	6,586	6,430	6,631	6,553	6,516	6,559	6,632	6,549	6,460	6,396	6,407
Unemployment rate	5.9	6.5	7.3	7.2	7.4	7.3	7.3	7.3	7.4	7.3	7.1	7.1	7.1
PART TIME													
Total, 16 years and over:													
Civilian labor force	15,425	15,361	15,329	15,473	15,716	15,560	15,105	15,284	15,250	15,023	15,166	15,410	15,504
Employed	14,124	14,009	13,942	14,110	14,340	14,211	13,794	13,893	13,938	13,798	13,775	14,005	14,108
Unemployed	1,301	1,352	1,387	1,363	1,376	1,349	1,311	1,391	1,312	1,225	1,390	1,405	1,396
Unemployment rate	8.4	8.8	9.0	8.8	8.8	8.7	8.7	9.1	8.6	8.2	9.2	9.1	9.0

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

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

(Numbers in thousands)

Race, sex, and age	1980										1981		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
WHITE													
Total, 16 years and over:													
Civilian labor force	91,802	92,044	92,501	92,134	92,335	92,283	92,317	92,516	92,562	92,383	92,832	93,035	93,313
Employed	86,723	86,389	86,251	86,007	86,075	86,067	86,307	86,371	86,409	86,377	86,620	86,940	87,291
Unemployed	5,079	5,655	6,250	6,127	6,260	6,221	6,010	6,145	6,153	6,006	6,213	6,095	6,022
Unemployment rate	5.5	6.1	6.8	6.7	6.8	6.7	6.5	6.6	6.6	6.5	6.7	6.6	6.5
Males, 20 years and over:													
Civilian labor force	49,049	49,192	49,483	49,268	49,321	49,356	49,415	49,461	49,481	49,449	49,426	49,420	49,695
Employed	46,856	46,651	46,627	46,442	46,442	46,500	46,556	46,660	46,684	46,728	46,704	46,757	47,030
Unemployed	2,193	2,541	2,856	2,826	2,879	2,856	2,859	2,801	2,797	2,721	2,722	2,664	2,664
Unemployment rate	4.5	5.2	5.8	5.7	5.8	5.8	5.8	5.7	5.7	5.5	5.5	5.4	5.4
Females, 20 years and over:													
Civilian labor force	34,382	34,606	34,641	34,657	34,749	34,846	34,765	34,883	34,972	34,910	35,313	35,423	35,529
Employed	32,673	32,710	32,679	32,681	32,732	32,823	32,841	32,845	32,944	32,858	33,180	33,421	33,539
Unemployed	1,709	1,896	1,962	1,976	2,017	2,023	1,924	2,038	2,028	2,052	2,133	2,002	1,990
Unemployment rate	5.0	5.5	5.7	5.7	5.8	5.8	5.5	5.8	5.8	5.9	6.0	5.7	5.6
Both sexes, 16 to 19 years:													
Civilian labor force	8,371	8,246	8,377	8,209	8,265	8,086	8,137	8,172	8,109	8,024	8,093	8,191	8,089
Employed	7,194	7,028	6,945	6,884	6,901	6,744	6,913	6,866	6,781	6,791	6,735	6,762	6,721
Unemployed	1,177	1,218	1,432	1,325	1,364	1,342	1,227	1,306	1,328	1,233	1,358	1,429	1,368
Unemployment rate	14.1	14.8	17.1	16.1	16.5	15.5	15.1	16.0	16.4	15.4	15.8	17.4	16.9
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	12,320	12,401	12,546	12,491	12,661	12,630	12,677	12,686	12,706	12,668	12,684	12,598	12,765
Employed	10,856	10,838	10,842	10,809	10,902	10,902	10,894	10,884	10,922	10,895	11,051	10,942	11,020
Unemployed	1,464	1,563	1,704	1,682	1,759	1,728	1,783	1,802	1,784	1,773	1,634	1,655	1,745
Unemployment rate	11.9	12.6	13.6	13.5	13.9	13.7	14.1	14.2	14.0	14.0	12.9	13.1	13.7
Males, 20 years and over:													
Civilian labor force	5,898	5,934	5,944	5,965	6,029	6,049	6,064	6,030	6,042	6,015	5,996	6,007	6,072
Employed	5,340	5,291	5,249	5,235	5,275	5,291	5,266	5,300	5,315	5,315	5,367	5,355	5,414
Unemployed	558	643	695	730	754	758	798	730	727	700	628	651	658
Unemployment rate	9.5	10.8	11.7	12.2	12.5	12.5	13.2	12.1	12.0	11.6	10.5	10.8	10.8
Females, 20 years and over:													
Civilian labor force	5,424	5,495	5,570	5,523	5,600	5,629	5,568	5,648	5,652	5,654	5,638	5,645	5,708
Employed	4,854	4,884	4,925	4,920	4,966	5,017	4,978	4,953	4,965	4,956	5,016	4,976	4,988
Unemployed	570	611	645	603	634	612	590	695	687	698	621	669	720
Unemployment rate	10.5	11.1	11.6	10.9	11.3	10.9	10.6	12.3	12.2	12.3	11.0	11.9	12.6
Both sexes, 16 to 19 years:													
Civilian labor force	998	972	1,032	1,003	1,032	952	1,045	1,008	1,012	999	1,051	946	985
Employed	662	663	668	654	661	594	650	631	642	624	667	611	618
Unemployed	336	309	364	349	371	358	395	377	370	375	384	335	367
Unemployment rate	33.7	31.8	35.3	34.8	35.9	37.6	37.8	37.4	36.6	37.5	36.5	35.4	37.3

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Category	1980											1981	
	Mar.	Apr.	May	June	July	Aug.	Se- pt.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
CHARACTERISTIC													
Total (all civilian workers)	6.3	6.9	7.6	7.5	7.6	7.6	7.4	7.6	7.5	7.4	7.4	7.3	7.3
Males, 20 years and over	5.0	5.8	6.4	6.4	6.6	6.5	6.6	6.4	6.4	6.2	6.0	6.0	5.9
Females, 20 years and over	5.8	6.2	6.5	6.4	6.6	6.5	6.2	6.7	6.7	6.8	6.7	6.5	6.6
Both sexes, 16-19 years	16.2	16.4	18.9	18.3	18.7	18.8	17.8	18.5	18.6	17.8	19.0	19.3	19.1
White	5.5	6.1	6.8	6.7	6.8	6.7	6.5	6.6	6.6	6.5	6.7	6.6	6.5
Black and other	11.9	12.6	13.6	13.5	13.9	13.7	14.1	14.2	14.0	14.0	12.9	13.1	13.7
Married men, spouse present	3.4	4.0	4.6	4.6	4.9	4.8	4.7	4.6	4.4	4.3	4.2	4.1	4.1
Married women, spouse present	5.4	5.7	6.1	6.0	6.1	6.0	5.7	6.0	5.9	5.8	6.2	5.8	6.0
Women who maintain families	8.6	9.0	8.3	8.5	8.8	9.0	9.0	10.2	9.9	10.4	10.5	9.6	9.4
Full-time workers	5.9	6.5	7.3	7.2	7.4	7.3	7.3	7.3	7.4	7.3	7.1	7.1	7.1
Part-time workers	8.4	8.8	9.0	8.8	8.8	8.7	8.7	9.1	8.6	8.2	9.2	9.1	9.0
Unemployed 15 weeks and over ¹	1.3	1.5	1.6	1.7	1.8	2.0	2.2	2.2	2.2	2.3	2.2	2.1	2.1
Labor force time lost ²	6.8	7.6	8.6	8.1	8.4	8.3	8.2	8.4	8.3	8.2	8.2	8.1	8.1
OCCUPATION													
White-collar workers	3.4	3.7	3.8	3.7	3.7	3.7	3.8	3.9	3.9	4.0	3.9	3.7	3.9
Professional and technical	2.3	2.4	2.6	2.5	2.4	2.4	2.5	2.6	2.5	2.6	2.8	2.6	2.7
Managers and administrators, except farm	2.4	2.6	2.6	2.5	2.6	2.5	2.4	2.5	2.4	2.5	2.4	2.4	2.6
Sales workers	4.0	4.5	4.4	4.4	4.2	4.2	4.3	4.6	4.8	4.7	4.4	4.0	3.8
Clerical workers	4.8	5.1	5.3	5.2	5.4	5.4	5.4	5.5	5.6	5.8	5.7	5.3	5.9
Blue-collar workers	8.2	9.6	10.9	11.1	11.3	11.1	10.8	10.8	10.7	10.5	10.2	10.1	9.8
Craft and kindred workers	5.5	6.5	7.5	7.5	7.2	7.6	7.4	7.1	7.1	7.1	6.8	7.2	7.1
Operatives, except transport	9.4	11.6	13.7	13.4	14.4	13.3	13.0	13.2	13.0	12.9	12.1	11.9	11.3
Transport equipment operatives	6.9	8.4	8.7	10.0	10.0	9.8	10.4	10.6	10.6	8.8	9.1	8.3	9.3
Nonfarm laborers	13.3	14.1	14.9	15.7	15.8	16.1	15.2	15.3	15.0	14.8	15.0	14.9	14.1
Service workers	7.2	7.8	8.2	8.1	8.3	8.5	8.1	8.3	8.3	7.8	8.0	8.7	8.1
Farm workers	4.2	4.8	4.7	4.5	4.6	5.5	4.3	4.4	4.0	4.0	5.0	4.7	5.1
INDUSTRY													
Nonagricultural private wage and salary workers ³	6.3	7.0	8.0	8.0	8.0	8.0	7.8	7.8	7.8	7.7	7.5	7.5	7.3
Construction	13.1	14.5	16.6	15.6	15.8	17.3	15.9	14.6	14.8	13.8	13.3	13.2	14.7
Manufacturing	6.6	7.9	9.7	9.7	9.8	9.3	9.2	9.2	8.9	8.8	8.4	8.4	8.0
Durable goods	6.5	8.3	10.4	10.9	10.7	10.1	10.0	9.5	9.0	9.0	8.3	8.5	7.9
Nondurable goods	6.8	7.3	8.6	7.9	8.5	8.0	7.9	8.9	8.6	8.5	8.5	8.2	8.3
Transportation	3.9	4.7	5.0	5.1	5.6	5.6	5.3	5.3	4.9	4.9	5.8	5.5	6.4
Wholesale and retail trade	6.4	7.0	7.5	7.7	7.6	7.7	7.7	7.8	8.2	8.3	7.6	7.6	7.3
Finance and service industries	4.9	5.1	5.6	5.6	5.6	5.5	5.4	5.6	5.5	5.5	5.8	6.0	5.6
Government workers	4.1	4.3	4.2	3.5	4.1	4.0	4.1	4.4	4.2	4.1	4.4	4.3	4.6
Agricultural wage and salary workers	10.3	11.7	11.4	10.4	10.3	13.2	10.7	11.1	10.1	10.6	11.5	12.1	11.9

¹ Unemployment as a percent of the civilian labor force.

as a percent of potentially available labor force hours.

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

³ Includes mining, not shown separately.

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

[Numbers in thousands]

Weeks of unemployment	1980											1981	
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
DURATION													
Less than 5 weeks	3,005	3,258	3,714	3,281	3,317	3,255	3,042	3,186	3,108	3,115	3,259	3,203	3,209
5 to 14 weeks	2,207	2,373	2,589	2,812	2,649	2,533	2,586	2,500	2,524	2,217	2,264	2,324	2,356
15 weeks and over	1,391	1,599	1,686	1,777	1,935	2,150	2,295	2,292	2,329	2,378	2,358	2,250	2,192
15 to 26 weeks	796	931	980	1,024	1,093	1,239	1,366	1,256	1,213	1,231	1,079	992	1,013
27 weeks and over	595	668	706	753	842	911	929	1,036	1,116	1,147	1,279	1,257	1,179
Average (mean) duration, in weeks	11.0	11.2	10.6	11.7	11.8	12.5	13.0	13.3	13.6	13.5	14.4	14.4	14.0
Median duration, in weeks	5.9	5.9	5.8	6.4	7.1	7.4	8.0	7.5	7.7	7.3	7.4	6.9	7.0
PERCENT DISTRIBUTION													
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	45.5	45.1	46.5	41.7	42.0	41.0	38.4	39.9	39.0	40.4	41.3	41.2	41.4
5 to 14 weeks	33.4	32.8	32.4	35.7	33.5	31.9	32.6	31.3	31.7	28.8	28.7	29.9	30.4
15 weeks and over	21.1	22.1	21.1	22.6	24.5	27.1	29.0	28.7	29.3	30.8	29.9	28.9	28.3
15 to 26 weeks	12.1	12.9	12.3	13.0	13.8	15.6	17.2	15.7	15.2	16.0	13.7	12.8	13.1
27 weeks and over	9.0	9.2	8.8	9.6	10.7	11.5	11.7	13.0	14.0	14.9	16.2	16.2	15.2

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

Sex and age	1980											1981	
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Total, 16 years and over	6.3	6.9	7.6	7.5	7.6	7.6	7.4	7.6	7.5	7.4	7.4	7.3	7.3
16 to 19 years	16.2	16.4	18.9	18.3	18.7	18.8	17.8	18.5	18.6	17.8	19.0	19.3	19.1
16 to 17 years	17.7	19.0	21.2	20.0	20.5	22.1	20.1	20.9	21.4	19.9	21.0	21.4	21.3
18 to 19 years	15.1	14.5	17.4	17.6	17.4	16.5	16.0	16.7	16.5	16.4	17.5	17.9	17.7
20 to 24 years	9.9	11.3	12.5	12.1	12.1	12.0	12.0	12.3	12.1	11.7	11.9	11.8	11.7
25 years and over	4.4	5.0	5.3	5.4	5.5	5.4	5.4	5.4	5.4	5.3	5.3	5.1	5.2
25 to 54 years	4.8	5.3	5.6	5.8	5.9	5.9	5.9	5.9	5.9	5.8	5.7	5.5	5.5
55 years and over	2.8	3.3	3.4	3.3	3.4	3.4	3.4	3.4	3.4	3.3	3.5	3.6	3.7
Males, 16 years and over	5.8	6.7	7.5	7.5	7.6	7.6	7.6	7.4	7.4	7.2	7.2	7.1	7.0
16 to 19 years	15.2	16.3	19.4	19.1	19.5	19.9	18.9	19.8	19.8	19.0	20.3	20.1	19.5
16 to 17 years	16.5	18.8	21.5	21.5	20.9	23.7	21.2	21.8	22.3	20.5	23.0	22.1	21.1
18 to 19 years	14.5	14.4	17.6	18.8	18.4	17.1	16.9	18.1	17.8	17.8	18.5	18.7	18.6
20 to 24 years	10.7	12.3	13.5	13.4	13.2	13.6	13.5	13.8	13.2	12.5	12.8	12.7	13.0
25 years and over	4.0	4.7	5.1	5.2	5.4	5.3	5.4	5.1	5.1	4.9	4.9	4.8	4.7
25 to 54 years	4.3	4.9	5.4	5.6	5.8	5.7	6.0	5.6	5.6	5.4	5.2	5.2	5.1
55 years and over	2.8	3.3	3.4	3.6	3.6	3.6	3.5	3.3	3.3	3.3	3.4	3.4	3.2
Females, 16 years and over	6.9	7.2	7.6	7.4	7.7	7.6	7.2	7.7	7.7	7.7	7.7	7.6	7.7
16 to 19 years	17.2	16.5	18.3	17.3	17.7	17.6	16.6	17.0	17.2	16.5	17.5	18.4	18.7
16 to 17 years	19.2	19.3	20.9	18.3	20.1	20.2	18.8	19.8	20.3	19.3	18.7	20.5	21.6
18 to 19 years	15.8	14.8	17.2	16.3	16.2	15.9	15.1	15.1	15.1	14.8	16.4	17.0	16.5
20 to 24 years	9.0	10.1	11.3	10.6	10.9	10.2	10.2	10.6	10.8	10.8	10.8	10.8	10.1
25 years and over	5.1	5.4	5.5	5.5	5.7	5.7	5.4	5.9	5.8	5.9	5.8	5.6	5.9
25 to 54 years	5.5	5.8	6.0	6.0	6.1	6.2	5.9	6.4	6.2	6.3	6.3	5.9	6.2
55 years and over	2.9	3.3	3.3	2.9	3.1	3.1	3.3	3.4	3.4	3.9	3.6	3.9	4.5

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

[Numbers in thousands]

Reason for unemployment	1980											1981	
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers	3,102	3,581	4,164	4,468	4,364	4,319	4,387	4,240	4,229	4,226	3,847	3,896	3,846
On layoff	1,135	1,422	1,771	1,954	1,832	1,699	1,744	1,692	1,453	1,470	1,258	1,267	1,299
Other job losers	1,967	2,159	2,393	2,514	2,532	2,620	2,643	2,548	2,776	2,756	2,590	2,629	2,547
Job leavers	804	905	930	887	866	890	855	870	897	813	907	884	863
Reentrants	1,812	1,909	1,975	1,834	1,868	1,883	1,844	2,013	1,896	1,869	2,039	1,970	2,040
New entrants	815	752	871	872	893	870	862	883	890	868	1,000	928	986
PERCENT DISTRIBUTION													
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	47.5	50.1	52.4	55.4	54.6	54.2	55.2	53.0	53.5	54.3	49.4	50.7	49.7
On layoff	17.4	19.9	22.3	24.2	22.9	21.3	21.9	21.1	18.4	18.9	16.1	16.5	16.8
Other job losers	30.1	30.2	30.1	31.2	31.7	32.9	33.3	31.8	35.1	35.4	33.2	34.2	32.9
Job leavers	12.3	12.7	11.7	11.0	10.8	11.2	10.8	10.9	11.3	10.5	11.6	11.5	11.2
Reentrants	27.7	26.7	24.9	22.8	23.4	23.6	23.2	25.2	24.0	24.0	26.2	25.7	26.4
New entrants	12.5	10.5	11.0	10.8	11.2	10.9	10.8	11.0	11.2	11.2	12.8	12.1	12.7
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	3.0	3.4	4.0	4.3	4.2	4.1	4.2	4.0	4.0	4.0	3.6	3.7	3.6
Job leavers .....	.8	.9	.9	.8	.8	.8	.8	.8	.9	.8	.9	.8	.8
Reentrants	1.7	1.8	1.9	1.8	1.8	1.8	1.8	1.9	1.8	1.8	1.9	1.9	1.9
New entrants .....	.8	.7	.8	.8	.9	.8	.8	.8	.8	.8	.9	.9	.9

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[In thousands]

Sex and age	1980										1981		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Total, 16 years and over	97,628	97,225	97,116	96,780	96,999	97,003	97,180	97,236	97,339	97,282	97,696	97,927	98,412
16 to 19 years	7,448	7,693	7,645	7,543	7,557	7,322	7,553	7,489	7,423	7,417	7,414	7,384	7,334
16 to 17 years	3,189	3,060	3,049	3,039	3,056	2,837	3,003	2,963	2,916	2,906	2,937	2,927	2,908
18 to 19 years	4,259	4,629	4,596	4,504	4,501	4,477	4,549	4,525	4,506	4,510	4,477	4,457	4,426
20 to 24 years	13,752	13,620	13,572	13,442	13,547	13,541	13,543	13,594	13,593	13,633	13,725	13,661	13,684
25 years and over	76,615	75,872	75,891	75,852	75,965	76,119	76,096	76,150	76,231	76,242	76,611	76,847	77,367
25 to 54 years	61,676	61,589	61,530	61,520	61,594	61,729	61,845	61,916	62,110	62,142	62,482	62,676	63,019
55 years and over	14,336	14,306	14,333	14,293	14,331	14,415	14,263	14,216	14,159	14,095	14,108	14,186	14,314
Males, 16 years and over	56,489	56,054	55,914	55,597	55,678	55,589	55,754	55,881	55,897	55,920	56,012	56,045	56,383
16 to 19 years	4,259	4,119	4,043	3,973	3,964	3,798	3,931	3,918	3,890	3,875	3,921	3,912	3,872
16 to 17 years	1,788	1,666	1,643	1,616	1,640	1,489	1,579	1,588	1,564	1,555	1,562	1,581	1,545
18 to 19 years	2,464	2,451	2,397	2,326	2,338	2,305	2,396	2,339	2,330	2,317	2,347	2,323	2,321
20 to 24 years	7,415	7,284	7,271	7,140	7,185	7,149	7,175	7,174	7,190	7,245	7,253	7,223	7,239
25 years and over	44,819	44,612	44,586	44,509	44,555	44,671	44,649	44,803	44,791	44,806	44,862	44,896	45,266
25 to 54 years	36,008	35,851	35,820	35,785	35,820	35,894	35,977	36,076	36,128	36,131	36,204	36,206	36,488
55 years and over	8,809	8,765	8,772	8,734	8,732	8,768	8,691	8,677	8,670	8,682	8,645	8,693	8,758
Females, 16 years and over	41,139	41,171	41,202	41,183	41,321	41,414	41,426	41,325	41,442	41,362	41,684	41,882	42,029
16 to 19 years	3,589	3,574	3,602	3,570	3,593	3,524	3,622	3,571	3,533	3,542	3,493	3,472	3,462
16 to 17 years	1,401	1,394	1,406	1,423	1,416	1,348	1,424	1,375	1,352	1,351	1,375	1,346	1,363
18 to 19 years	2,179	2,178	2,199	2,147	2,172	2,172	2,202	2,196	2,195	2,189	2,120	2,118	2,090
20 to 24 years	6,337	6,336	6,301	6,302	6,362	6,392	6,368	6,420	6,403	6,388	6,472	6,438	6,444
25 years and over	31,496	31,260	31,305	31,343	31,410	31,448	31,447	31,347	31,440	31,436	31,749	31,950	32,101
25 to 54 years	25,668	25,738	25,710	25,735	25,774	25,835	25,868	25,840	25,982	26,011	26,279	26,471	26,532
55 years and over	5,527	5,541	5,561	5,559	5,599	5,647	5,572	5,539	5,489	5,413	5,463	5,493	5,556

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

[In thousands]

Sex and age	1980										1981		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Total, 16 years and over	6,543	7,202	7,944	7,811	8,021	7,942	7,800	7,961	7,946	7,785	7,847	7,754	7,764
16 to 19 years	1,512	1,509	1,782	1,684	1,736	1,697	1,635	1,697	1,694	1,610	1,744	1,762	1,734
16 to 17 years	685	718	822	750	790	804	755	781	794	723	783	796	789
18 to 19 years	827	788	965	937	949	886	878	909	893	881	949	967	946
20 to 24 years	1,514	1,731	1,936	1,856	1,873	1,854	1,843	1,913	1,873	1,809	1,845	1,831	1,810
25 years and over	3,522	3,961	4,216	4,298	4,435	4,385	4,344	4,368	4,342	4,302	4,269	4,171	4,233
25 to 54 years	3,109	3,456	3,684	3,753	3,895	3,865	3,905	3,885	3,874	3,835	3,766	3,647	3,683
55 years and over	419	487	502	493	509	512	507	494	489	512	507	528	552
Males, 16 years and over	3,500	3,994	4,543	4,496	4,593	4,558	4,566	4,498	4,491	4,334	4,353	4,293	4,245
16 to 19 years	764	802	974	938	963	946	914	966	959	909	1,001	981	940
16 to 17 years	353	385	450	442	433	463	425	442	450	400	466	449	414
18 to 19 years	417	411	513	538	528	475	487	518	504	501	533	534	532
20 to 24 years	687	1,017	1,134	1,108	1,095	1,129	1,117	1,150	1,095	1,032	1,061	1,052	1,085
25 years and over	1,857	2,178	2,397	2,466	2,551	2,497	2,557	2,398	2,406	2,324	2,306	2,283	2,235
25 to 54 years	1,601	1,857	2,045	2,108	2,215	2,159	2,292	2,121	2,149	2,073	1,992	1,977	1,942
55 years and over	256	300	310	325	329	332	319	300	293	292	306	303	293
Females, 16 years and over	3,043	3,208	3,401	3,315	3,428	3,384	3,234	3,463	3,455	3,451	3,493	3,461	3,519
16 to 19 years	748	707	808	746	773	751	721	731	735	701	743	781	794
16 to 17 years	332	333	372	318	357	341	330	339	344	323	317	347	375
18 to 19 years	410	377	452	419	421	411	391	391	389	380	416	433	414
20 to 24 years	627	714	802	748	778	725	726	763	778	777	785	779	726
25 years and over	1,665	1,783	1,819	1,832	1,884	1,888	1,787	1,970	1,936	1,978	1,962	1,887	1,998
25 to 54 years	1,508	1,599	1,639	1,655	1,680	1,706	1,613	1,764	1,725	1,762	1,774	1,670	1,741
55 years and over	163	187	192	168	180	180	188	194	196	220	201	225	259

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Category	1980											1981		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
CHARACTERISTIC														
Total, 16 years and over	97,628	97,225	97,116	96,780	96,999	97,003	97,180	97,206	97,339	97,282	97,696	97,927	98,412	
Married men, spouse present	38,706	38,373	38,197	38,220	38,049	37,987	38,027	33,142	38,167	38,231	38,182	38,113	38,365	
Married women, spouse present	23,171	23,094	23,145	23,131	23,118	23,126	23,027	22,993	23,065	23,063	23,352	23,356	23,513	
OCCUPATION														
White-collar workers	50,336	50,465	50,627	50,836	51,023	51,307	51,074	51,101	51,148	51,065	51,594	51,698	51,746	
Professional and technical	15,408	15,528	15,540	15,682	15,717	15,751	15,540	15,780	15,863	15,810	15,965	15,813	15,827	
Managers and administrators, except farm	10,765	10,773	10,877	10,901	10,999	11,109	11,007	10,979	11,016	11,009	11,363	11,488	11,565	
Sales workers	6,132	6,048	6,072	6,046	6,130	6,140	6,316	6,277	6,155	6,175	6,265	6,271	6,220	
Clerical workers	18,031	18,116	18,138	18,207	18,177	18,307	18,211	18,065	18,114	18,071	18,001	18,125	18,135	
Blue-collar workers	31,568	31,120	30,800	30,443	30,276	30,232	30,436	30,521	30,550	30,373	30,338	30,446	30,594	
Craft and kindred workers	12,740	12,713	12,551	12,357	12,403	12,345	12,490	12,485	12,424	12,337	12,306	12,386	12,605	
Operatives, except transport equipment	10,556	10,450	10,379	10,233	10,189	10,147	10,202	10,210	10,247	10,194	10,331	10,390	10,189	
operatives	3,551	3,495	3,458	3,429	3,354	3,478	3,434	3,443	3,429	3,402	3,322	3,361	3,363	
Nonfarm laborers	4,721	4,462	4,412	4,424	4,330	4,261	4,310	4,383	4,450	4,440	4,380	4,309	4,437	
Service workers	12,982	13,009	12,947	12,941	13,017	12,928	12,943	12,891	12,888	12,982	12,946	13,070	13,279	
Farm workers	2,718	2,682	2,730	2,625	2,694	2,620	2,757	2,735	2,729	2,804	2,737	2,662	2,679	
MAJOR INDUSTRY AND CLASS OF WORKER														
Agriculture:														
Wage and salary workers	1,429	1,377	1,396	1,369	1,360	1,282	1,417	1,363	1,417	1,411	1,465	1,336	1,338	
Self-employed workers	1,612	1,602	1,642	1,606	1,631	1,640	1,688	1,640	1,612	1,655	1,615	1,610	1,615	
Unpaid family workers	295	287	292	278	295	280	309	325	324	305	284	325	312	
Nonagricultural industries:														
Wage and salary workers	87,110	86,789	86,722	86,370	86,432	86,490	86,395	86,587	86,643	86,513	87,125	87,236	87,870	
Government	15,605	15,635	15,720	15,817	15,718	15,531	15,575	15,597	15,651	15,653	15,738	15,589	15,685	
Private industries	71,505	71,154	71,002	70,553	70,714	70,959	70,820	70,990	70,992	70,860	71,387	71,647	72,185	
Private households	1,140	1,151	1,197	1,204	1,230	1,196	1,125	1,144	1,148	1,110	1,197	1,176	1,235	
Other industries	70,365	70,003	69,805	69,349	69,484	69,763	69,695	69,846	69,844	69,750	70,190	70,471	70,949	
Self-employed workers	6,807	6,804	6,698	6,728	6,801	6,881	6,977	7,005	6,943	6,973	6,839	6,923	6,896	
Unpaid family workers	385	363	406	445	426	403	416	417	405	396	422	371	354	
PERSONS AT WORK¹														
Nonagricultural industries														
Full-time schedules	88,505	88,041	87,974	87,994	87,431	88,195	88,246	88,488	88,694	88,468	89,499	89,441	89,583	
Part-time for economic reasons	72,618	71,986	71,501	71,454	70,825	71,526	71,929	72,071	72,265	72,131	72,807	72,945	72,875	
Usually work full-time	3,470	3,803	4,276	3,969	4,086	4,143	4,183	4,220	4,176	4,218	4,474	4,145	4,227	
Usually work part-time	1,481	1,680	1,998	1,734	1,794	1,709	1,701	1,685	1,620	1,647	1,698	1,622	1,638	
Part time for noneconomic reasons	1,989	2,123	2,278	2,235	2,292	2,434	2,482	2,535	2,556	2,571	2,776	2,523	2,589	
Part time for noneconomic reasons	12,417	12,252	12,197	12,571	12,520	12,525	12,134	12,197	12,253	12,119	12,218	12,351	12,481	

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

HOUSEHOLD DATA

A-43. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

Veteran status and age	Not seasonally adjusted									
	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed			
	Number						Percent of labor force			
	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981	Mar. 1980	Mar. 1981
VETERANS										
Total, 25 years and over	6,180	3,475	7,740	8,043	7,293	7,530	447	513	5.8	6.4
25 to 39 years	7,231	7,316	6,940	7,037	6,519	6,556	421	481	6.1	6.8
25 to 29 years	1,784	1,548	1,693	1,440	1,518	1,284	175	156	10.3	10.8
30 to 34 years	3,602	3,421	3,460	3,315	3,283	3,110	177	205	5.1	6.2
35 to 39 years	1,845	2,347	1,787	2,282	1,718	2,162	69	120	3.9	5.3
40 years and over	949	1,159	800	1,006	774	974	26	32	3.2	3.2
NONVETERANS										
Total, 25 to 39 years	15,215	16,095	14,399	15,272	13,568	14,268	831	1,004	5.8	6.6
25 to 29 years	6,965	7,314	6,566	6,874	6,102	6,331	464	543	7.1	7.9
30 to 34 years	4,450	5,051	4,239	4,838	4,028	4,560	211	278	5.0	5.7
35 to 39 years	3,800	3,730	3,594	3,560	3,438	3,377	156	183	4.3	5.1

NOTE: Vietnam-era veterans are males who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are males 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. Data for 20-to-24-year-old veterans are no longer shown on the table, because the group is rapidly disappearing (into the 25-29 age category) and the numbers remaining are not large enough to warrant their continued publication.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

[Numbers in thousands]

Employment status, sex, age, and race	1978				1979				1980				1981
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
TOTAL													
Total noninstitutional population ¹	160,126	160,715	161,355	162,037	162,663	163,260	163,894	164,682	165,302	165,895	166,586	167,201	167,745
Armed Forces ¹	2,122	2,110	2,120	2,115	2,093	2,079	2,088	2,091	2,086	2,091	2,111	2,121	2,124
Civilian noninstitutional population ¹	158,004	158,605	159,235	159,922	160,570	161,181	161,806	162,591	163,216	163,804	164,475	165,079	165,620
Civilian labor force.....	99,156	100,177	100,753	101,526	102,328	102,378	103,204	103,741	104,217	104,693	104,982	105,173	105,800
Percent of civilian population.....	62.8	63.2	63.3	63.5	63.7	63.5	63.8	63.8	63.9	63.9	63.8	63.7	63.9
Employed.....	92,916	94,212	94,774	95,581	96,359	96,574	97,282	97,572	97,718	97,040	97,061	97,276	98,012
Percent of total population.....	58.0	58.6	58.7	59.0	59.2	59.2	59.4	59.2	59.1	58.5	58.3	58.2	58.4
Agriculture.....	3,327	3,341	3,369	3,316	3,297	3,245	3,319	3,327	3,318	3,282	3,292	3,351	3,320
Nonagricultural industries.....	89,589	90,871	91,405	92,265	93,062	93,329	93,963	94,245	94,400	93,758	93,769	93,925	94,692
Unemployed.....	6,240	5,965	5,979	5,945	5,969	5,804	5,922	6,169	6,499	7,652	7,921	7,897	7,788
Unemployment rate.....	6.3	6.0	5.9	5.9	5.8	5.7	5.7	5.9	6.2	7.3	7.5	7.5	7.4
Males, 20 years and over													
Total noninstitutional population ¹	58,238	68,520	68,831	69,184	69,491	69,786	70,100	70,487	70,794	71,087	71,433	71,768	72,068
Civilian noninstitutional population ¹	56,556	66,844	67,134	67,489	67,827	68,123	68,419	68,814	69,142	69,430	69,762	70,093	70,405
Civilian labor force.....	53,089	53,376	53,467	53,877	54,274	54,306	54,643	54,744	54,958	55,250	55,407	55,501	55,568
Percent of civilian population.....	79.8	79.9	79.6	79.8	80.0	79.7	79.9	79.6	79.5	79.6	79.4	79.2	78.9
Employed.....	50,670	51,168	51,327	51,682	52,082	52,191	52,425	52,363	52,310	51,810	51,776	52,005	52,245
Percent of total population.....	74.3	74.7	74.6	74.7	74.9	74.8	74.8	74.3	73.9	72.9	72.5	72.5	72.5
Agriculture.....	2,342	2,367	2,387	2,339	2,325	2,311	2,368	2,392	2,402	2,337	2,332	2,351	2,321
Nonagricultural industries.....	48,328	48,802	48,940	49,344	49,756	49,880	50,058	49,967	49,908	49,473	49,444	49,654	49,924
Unemployed.....	2,419	2,208	2,140	2,194	2,192	2,115	2,215	2,384	2,649	3,440	3,631	3,496	3,323
Unemployment rate.....	4.6	4.1	4.0	4.1	4.0	3.9	4.1	4.4	4.8	6.2	6.6	6.3	6.0
Females, 20 years and over													
Total noninstitutional population ¹	75,094	75,413	75,756	76,112	76,455	76,782	77,129	77,547	77,891	78,223	78,611	78,979	79,314
Civilian noninstitutional population ¹	74,394	75,310	75,649	76,003	76,345	76,670	77,009	77,425	77,766	78,094	78,477	78,841	79,172
Civilian labor force.....	36,706	37,254	37,634	38,051	38,415	38,557	39,158	39,503	39,856	40,158	40,408	40,562	41,108
Percent of civilian population.....	48.9	49.5	49.7	50.1	50.3	50.3	50.8	51.0	51.3	51.4	51.5	51.4	51.9
Employed.....	34,480	35,018	35,346	35,866	36,181	36,390	36,957	37,260	37,549	37,603	37,807	37,828	38,389
Percent of total population.....	45.9	46.4	46.7	47.1	47.3	47.4	47.9	48.0	48.2	48.1	48.1	47.9	48.4
Unemployed.....	2,226	2,236	2,288	2,185	2,234	2,167	2,202	2,243	2,307	2,554	2,600	2,734	2,719
Unemployment rate.....	6.1	6.0	6.1	5.7	5.8	5.6	5.6	5.7	5.8	6.4	6.4	6.7	6.6
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,794	16,782	16,768	16,742	16,717	16,692	16,666	16,648	16,616	16,585	16,542	16,454	16,362
Civilian noninstitutional population ¹	16,454	16,452	16,452	16,429	16,398	16,389	16,377	16,352	16,308	16,281	16,236	16,144	16,043
Civilian labor force.....	9,361	9,547	9,651	9,598	9,639	9,515	9,405	9,494	9,402	9,285	9,167	9,110	9,124
Percent of civilian population.....	56.9	58.0	58.7	58.4	58.8	58.1	57.4	58.1	57.7	57.0	56.5	56.4	56.9
Employed.....	7,766	8,026	8,100	8,032	8,096	7,993	7,900	7,952	7,859	7,627	7,477	7,443	7,377
Percent of total population.....	46.2	47.8	48.3	48.0	48.4	47.9	47.4	47.8	47.3	46.0	45.2	45.2	45.1
Unemployed.....	1,595	1,521	1,551	1,566	1,543	1,522	1,506	1,542	1,544	1,658	1,689	1,667	1,747
Unemployment rate.....	17.0	15.9	16.1	16.3	16.0	16.0	16.0	16.2	16.4	17.9	18.4	18.3	19.1
White													
Total noninstitutional population ¹	140,568	141,028	141,526	142,034	142,521	142,977	143,462	144,132	144,574	145,022	145,535	145,995	146,401
Civilian noninstitutional population ¹	138,939	139,323	139,822	140,336	140,857	141,330	141,821	142,468	142,957	143,408	143,907	144,357	144,769
Civilian labor force.....	87,336	88,257	88,743	89,437	90,119	90,129	90,839	91,346	91,819	92,226	92,313	92,487	93,063
Percent of civilian population.....	62.9	63.3	63.5	63.7	64.0	63.8	64.1	64.1	64.2	64.3	64.1	64.1	64.3
Employed.....	82,567	83,716	84,169	84,895	85,552	85,715	86,254	86,591	86,784	86,216	86,150	86,386	86,950
Percent of total population.....	58.7	59.4	59.5	59.8	60.0	60.0	60.1	60.1	60.0	59.5	59.2	59.2	59.4
Unemployed.....	4,769	4,540	4,574	4,542	4,566	4,413	4,585	4,755	5,035	6,011	6,164	6,101	6,110
Unemployment rate.....	5.5	5.1	5.2	5.1	5.1	4.9	5.0	5.2	5.5	6.5	6.7	6.6	6.6
Black and other													
Total noninstitutional population ¹	19,557	19,687	19,829	20,003	20,142	20,282	20,432	20,581	20,728	20,872	21,051	21,206	21,344
Civilian noninstitutional population ¹	19,164	19,282	19,413	19,585	19,713	19,851	19,985	20,123	20,259	20,397	20,568	20,723	20,851
Civilian labor force.....	11,788	11,932	12,012	12,107	12,193	12,258	12,346	12,412	12,389	12,479	12,655	12,687	12,682
Percent of civilian population.....	61.5	61.9	61.9	61.8	61.9	61.7	61.8	61.7	61.2	61.2	61.5	61.2	60.8
Employed.....	10,519	10,506	10,603	10,711	10,788	10,863	11,009	11,008	10,925	10,830	10,899	10,900	11,004
Percent of total population.....	52.8	53.4	53.5	53.5	53.6	53.6	53.9	53.5	52.7	51.9	51.8	51.4	51.6
Unemployed.....	1,468	1,426	1,409	1,396	1,405	1,395	1,336	1,404	1,464	1,650	1,757	1,786	1,678
Unemployment rate.....	14.5	12.0	11.7	11.5	11.5	11.4	10.8	11.3	11.8	13.2	13.9	14.1	13.2

¹ The population and Armed Forces figures are not adjusted for seasonal variations.

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

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

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

[Numbers in thousands]

Full- and part-time status, sex, and age	1978				1979				1980				1981
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
FULL TIME													
Total, 16 years and over:													
Civilian labor force	84,401	85,274	85,976	86,395	87,207	87,463	87,866	88,432	88,675	89,354	89,530	89,993	90,396
Employed ¹	79,489	80,642	81,321	81,837	82,585	82,965	83,261	83,595	83,506	83,073	82,964	83,413	83,975
Unemployed	4,912	4,632	4,655	4,558	4,622	4,498	4,605	4,837	5,170	6,280	6,567	6,580	6,421
Unemployment rate	5.8	5.4	5.4	5.3	5.3	5.1	5.2	5.5	5.8	7.0	7.3	7.3	7.1
Males, 20 years and over:													
Civilian labor force	50,331	50,682	50,752	51,163	51,610	51,709	51,844	51,959	52,035	52,436	52,635	52,757	52,716
Employed ¹	48,121	48,655	48,788	49,156	49,585	49,762	49,814	49,749	49,564	49,202	49,178	49,433	49,562
Unemployed	2,210	2,027	1,963	2,007	2,025	1,946	2,030	2,210	2,471	3,234	3,458	3,325	3,138
Unemployment rate	4.4	4.0	3.9	3.9	3.9	3.8	3.9	4.3	4.7	6.2	6.6	6.3	6.0
Females, 20 years and over:													
Civilian labor force	29,021	29,339	29,822	30,101	30,386	30,597	30,931	31,297	31,560	31,955	32,084	32,357	32,833
Employed ¹	27,197	27,555	28,003	28,414	28,634	28,868	29,203	29,541	29,744	29,876	29,955	30,070	30,550
Unemployed	1,824	1,784	1,820	1,687	1,753	1,728	1,728	1,756	1,816	2,079	2,129	2,287	2,283
Unemployment rate	6.3	6.1	6.1	5.6	5.8	5.6	5.6	5.6	5.8	6.5	6.6	7.1	7.0
Both sexes, 16-19 years:													
Civilian labor force	5,049	5,254	5,402	5,131	5,212	5,158	5,391	5,176	5,381	4,962	4,812	4,878	4,864
Employed ¹	4,171	4,432	4,530	4,267	4,367	4,335	4,244	4,305	4,198	3,995	3,831	3,910	3,863
Unemployed	878	821	872	864	845	823	847	871	883	967	980	969	1,000
Unemployment rate	17.4	15.6	16.1	16.8	16.2	16.0	15.6	16.8	17.4	19.5	20.4	19.9	20.6
PART TIME													
Total, 16 years and over:													
Civilian labor force	14,710	14,929	14,757	15,100	15,093	14,964	15,333	15,297	15,518	15,388	15,460	15,186	15,360
Employed ¹	13,380	13,581	13,430	13,738	13,736	13,648	14,013	13,989	14,175	14,020	14,115	13,876	13,963
Unemployed	1,330	1,348	1,327	1,362	1,357	1,316	1,320	1,308	1,343	1,367	1,345	1,309	1,397
Unemployment rate	9.0	9.0	9.0	9.0	9.0	8.8	8.6	8.6	8.7	8.9	8.7	8.6	9.1
Males, 20 years and over:													
Civilian labor force	2,720	2,746	2,690	2,716	2,649	2,646	2,770	2,785	2,894	2,845	2,750	2,752	2,831
Employed ¹	2,524	2,561	2,505	2,535	2,481	2,476	2,580	2,617	2,709	2,651	2,576	2,582	2,632
Unemployed	196	185	185	181	168	170	190	168	185	194	174	170	200
Unemployment rate	7.2	6.7	6.9	6.7	6.3	5.4	6.8	6.0	6.4	6.8	6.3	6.2	7.1
Females, 20 years and over:													
Civilian labor force	7,698	7,928	7,801	7,931	8,039	7,979	8,220	8,191	8,317	8,215	8,293	8,197	8,284
Employed ¹	7,284	7,463	7,341	7,449	7,549	7,530	7,754	7,714	7,818	7,734	7,838	7,748	7,831
Unemployed	414	465	460	482	490	449	466	477	499	481	455	449	452
Unemployment rate	5.4	5.9	5.9	6.1	6.1	5.6	5.7	5.8	6.0	5.9	5.5	5.5	5.5
Both sexes, 16-19 years:													
Civilian labor force	4,292	4,255	4,267	4,452	4,405	4,339	4,343	4,321	4,307	4,328	4,417	4,236	4,245
Employed ¹	3,573	3,557	3,584	3,754	3,706	3,542	3,679	3,657	3,648	3,636	3,701	3,586	3,500
Unemployed	720	698	682	699	699	697	664	664	659	692	716	690	745
Unemployment rate	16.8	16.4	16.0	15.7	15.9	16.1	15.3	15.4	15.3	16.0	16.2	16.3	17.6

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

[Numbers in thousands]

Employment status, race, sex, and age	1978				1979				1980				1981	
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	
WHITE														
Total, 16 years and over:														
Civilian labor force	87,336	88,257	88,743	89,437	90,119	90,129	90,839	91,346	91,819	92,226	92,313	92,487	93,060	
Employed	82,567	83,716	84,169	84,895	85,552	85,715	86,254	86,591	86,784	86,216	86,150	86,386	86,950	
Unemployed	4,769	4,540	4,574	4,542	4,566	4,413	4,585	4,755	5,035	6,011	6,164	6,101	6,110	
Unemployment rate	5.5	5.1	5.2	5.1	5.1	4.9	5.0	5.2	5.5	6.5	6.7	6.6	6.6	
Males, 20 years and over:														
Civilian labor force	47,394	47,675	47,757	48,066	48,422	48,446	48,686	48,801	49,021	49,314	49,364	49,464	49,514	
Employed	45,502	45,964	46,082	46,362	46,727	46,818	46,941	46,940	46,931	46,573	46,499	46,691	46,830	
Unemployed	1,892	1,711	1,675	1,703	1,695	1,627	1,745	1,861	2,090	2,741	2,865	2,773	2,683	
Unemployment rate	4.0	3.6	3.5	3.5	3.5	3.4	3.6	3.8	4.3	5.6	5.8	5.6	5.4	
Females, 20 years and over:														
Civilian labor force	31,606	32,096	32,390	32,834	33,118	33,235	33,759	34,066	34,407	34,635	34,787	34,922	35,422	
Employed	29,933	30,401	30,666	31,189	31,440	31,502	32,101	32,363	32,648	32,690	32,799	32,882	33,380	
Unemployed	1,673	1,695	1,724	1,645	1,678	1,633	1,658	1,703	1,758	1,945	1,988	2,039	2,042	
Unemployment rate	5.3	5.3	5.3	5.0	5.1	4.9	4.9	5.0	5.1	5.6	5.7	5.8	5.8	
Both sexes, 16 to 19 years:														
Civilian labor force	8,336	8,486	8,596	8,537	8,579	8,448	8,394	8,480	8,392	8,277	8,163	8,102	8,124	
Employed	7,132	7,351	7,421	7,344	7,386	7,295	7,212	7,289	7,204	6,952	6,852	6,813	6,739	
Unemployed	1,204	1,135	1,175	1,193	1,193	1,153	1,182	1,191	1,187	1,325	1,311	1,289	1,385	
Unemployment rate	14.4	13.4	13.7	14.0	13.9	13.6	14.1	14.0	14.1	16.0	16.1	15.9	17.0	
BLACK AND OTHER														
Total, 16 years and over:														
Civilian labor force	11,788	11,932	12,012	12,107	12,193	12,258	12,346	12,412	12,389	12,479	12,656	12,687	12,682	
Employed	10,319	10,506	10,603	10,711	10,788	10,863	11,009	11,008	10,925	10,830	10,899	10,900	11,004	
Unemployed	1,468	1,426	1,409	1,396	1,405	1,395	1,336	1,404	1,464	1,650	1,757	1,786	1,678	
Unemployment rate	12.5	12.0	11.7	11.5	11.5	11.4	10.8	11.3	11.8	13.2	13.9	14.1	13.2	
Males, 20 years and over:														
Civilian labor force	5,666	5,724	5,717	5,806	5,839	5,878	5,956	5,934	5,922	5,948	6,047	6,029	6,025	
Employed	5,146	5,232	5,243	5,319	5,338	5,397	5,481	5,415	5,357	5,258	5,277	5,310	5,379	
Unemployed	520	492	474	487	501	482	475	519	565	699	770	719	646	
Unemployment rate	9.2	8.6	8.3	8.4	8.6	8.2	8.0	8.8	9.5	11.6	12.7	11.9	10.7	
Females, 20 years and over:														
Civilian labor force	5,096	5,164	5,226	5,237	5,289	5,329	5,382	5,455	5,448	5,529	5,599	5,651	5,663	
Employed	4,542	4,614	4,667	4,700	4,736	4,786	4,840	4,918	4,906	4,910	4,987	4,958	4,993	
Unemployed	555	550	559	537	553	543	542	538	542	620	612	693	670	
Unemployment rate	10.9	10.6	10.7	10.3	10.4	10.2	10.1	9.9	10.0	11.2	10.9	12.3	11.8	
Both sexes, 16 to 19 years:														
Civilian labor force	1,026	1,043	1,069	1,064	1,065	1,051	1,008	1,022	1,019	1,002	1,010	1,006	994	
Employed	632	659	693	693	714	680	688	675	662	662	635	632	632	
Unemployed	394	384	376	371	351	371	320	347	357	340	375	374	362	
Unemployment rate	38.4	36.8	35.2	34.9	33.0	35.3	31.8	33.9	35.0	34.0	37.1	37.2	36.4	

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

A-47. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Category	1978				1979				1980				1981
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
CHARACTERISTIC													
Total (all civilian workers)	6.3	6.0	5.9	5.9	5.8	5.7	5.7	5.9	6.2	7.3	7.5	7.5	7.4
Males, 20 years and over	4.6	4.1	4.0	4.1	4.0	3.9	4.1	4.4	4.8	6.2	6.6	6.3	6.0
Females, 20 years and over	6.1	6.0	6.1	5.7	5.8	5.6	5.6	5.7	5.8	6.4	6.4	6.7	6.6
Both sexes, 16-19 years	17.0	15.9	16.1	16.3	16.0	16.0	16.0	16.2	16.4	17.9	18.4	18.3	19.1
White	5.5	5.1	5.2	5.1	5.1	4.9	5.0	5.2	5.5	6.5	6.7	6.6	6.6
Black and other	12.5	12.0	11.7	11.5	11.5	11.4	12.8	11.3	11.8	13.2	13.9	14.1	13.2
Married men, spouse present	3.0	2.8	2.6	2.6	2.7	2.6	2.8	3.0	3.4	4.4	4.8	4.4	4.1
Married women, spouse present	5.5	5.5	5.6	5.4	5.3	5.1	5.0	5.0	5.4	5.9	5.9	5.9	6.0
Women who maintain families	8.2	9.2	8.7	7.8	8.1	8.5	8.0	8.4	8.7	8.6	8.9	10.2	9.9
Full-time workers	5.8	5.4	5.4	5.3	5.3	5.1	5.2	5.5	5.8	7.0	7.3	7.3	7.1
Part-time workers	9.0	9.0	9.0	9.0	9.0	8.8	8.6	8.6	8.7	8.9	8.7	8.6	9.1
Unemployed 15 weeks and over ¹	1.6	1.4	1.3	1.2	1.2	1.2	1.1	1.2	1.3	1.6	2.0	2.2	2.1
Labor force time lost ²	6.8	6.5	6.5	6.3	6.3	6.3	6.3	6.4	6.7	8.1	8.3	8.3	8.1
OCCUPATION													
White-collar workers	3.6	3.6	3.6	3.3	3.4	3.3	3.4	3.3	3.4	3.7	3.8	3.9	3.9
Professional and technical	2.7	2.5	2.6	2.7	2.4	2.3	2.5	2.4	2.3	2.5	2.4	2.6	2.7
Managers and administrators, except farm	2.2	2.0	2.1	2.0	2.0	2.1	2.2	2.1	2.2	2.5	2.5	2.5	2.5
Sales workers	4.2	4.3	4.3	3.8	4.0	4.0	3.9	3.9	4.2	4.4	4.3	4.7	4.1
Clerical workers	4.9	5.1	5.0	4.5	4.8	4.5	4.6	4.6	4.8	5.2	5.4	5.6	5.6
Blue-collar workers	7.4	6.6	6.6	6.7	6.7	6.6	6.9	7.5	8.1	10.5	11.1	10.7	10.0
Craft and kindred workers	5.1	4.4	4.3	4.6	4.6	4.1	4.3	4.8	5.2	7.2	7.4	7.1	7.0
Operatives, except transport	8.5	8.1	8.1	7.7	7.9	8.1	8.6	9.2	9.6	12.9	13.6	13.0	11.8
Transport equipment operatives	5.4	5.2	5.2	5.1	5.2	5.4	5.6	5.6	6.9	9.0	10.1	10.0	8.9
Nonfarm laborers	11.7	9.7	10.1	11.0	10.1	10.6	10.8	11.8	12.8	14.9	15.7	15.0	14.7
Service workers	7.6	7.4	7.3	7.4	7.5	7.1	6.9	6.8	7.0	8.0	8.3	8.1	8.3
Farm workers	4.3	3.4	3.7	3.7	3.2	3.4	4.0	4.3	4.2	4.7	4.8	4.1	5.0
INDUSTRY													
Nonagricultural private wage and salary workers ³	6.2	5.8	5.8	5.7	5.7	5.6	5.8	5.9	6.2	7.7	7.9	7.8	7.5
Construction	11.2	9.6	10.0	11.5	10.7	9.8	9.4	10.6	11.8	15.6	16.3	14.4	13.8
Manufacturing	5.8	5.5	5.3	5.1	5.1	5.3	5.8	6.0	6.7	9.1	9.4	9.0	8.3
Durable goods	5.3	4.8	4.8	4.6	4.4	4.6	5.2	5.7	6.6	9.9	10.3	9.2	8.2
Nondurable goods	6.5	6.5	6.0	5.9	6.2	6.4	6.7	6.5	6.8	7.9	8.1	8.7	8.3
Transportation and public utilities	3.9	3.9	3.6	3.4	3.6	3.2	3.7	4.1	4.3	4.9	5.5	5.0	5.9
Wholesale and retail trade	7.3	6.7	6.7	6.7	6.5	6.4	6.4	6.4	6.5	7.4	7.7	8.1	7.5
Finance and service industries	5.3	5.0	5.2	4.9	5.0	4.8	4.9	4.7	4.8	5.4	5.5	5.5	5.8
Government workers	3.8	4.0	3.9	3.9	3.9	3.6	3.5	3.8	3.9	4.0	4.1	4.2	4.4
Agricultural wage and salary workers	9.7	8.2	8.6	8.4	8.1	8.6	9.6	9.8	10.1	11.2	11.5	10.6	11.8

¹ Unemployment as a percent of the civilian labor force.

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

as a percent of potentially available labor force hours.

³ Includes mining, not shown separately.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

[Numbers in thousands]

Weeks of unemployment	1978				1979				1980				1981
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
DURATION													
Both sexes, 16 years and over:													
Less than 5 weeks	2,758	2,740	2,861	2,820	2,778	2,805	2,927	2,977	3,072	3,418	3,205	3,136	3,224
5 to 14 weeks	1,923	1,845	1,844	1,863	1,916	1,830	1,871	1,947	2,112	2,591	2,589	2,414	2,315
15 weeks and over	1,549	1,384	1,280	1,247	1,261	1,184	1,130	1,216	1,336	1,687	2,127	2,333	2,266
15 to 26 weeks	828	730	667	717	714	671	640	693	789	978	1,233	1,233	1,028
27 weeks and over	721	654	613	530	547	513	490	524	548	709	894	1,100	1,238
Average (mean duration, in weeks)	12.7	12.1	11.6	11.2	11.4	10.8	10.5	10.6	10.8	11.2	12.4	13.5	14.3
Median duration, in weeks	6.5	5.9	5.8	5.7	5.8	5.6	5.4	5.5	5.6	6.0	7.5	7.5	7.1
PERCENT DISTRIBUTION													
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	44.3	45.9	47.8	47.6	46.7	48.2	49.4	48.5	47.1	44.4	40.5	39.8	41.3
5 to 14 weeks	30.9	30.9	30.8	31.4	32.2	31.4	31.6	31.7	32.4	33.7	32.7	30.6	29.7
15 weeks and over	24.9	23.2	21.4	21.0	21.2	20.4	19.1	19.8	20.5	21.9	26.8	29.6	29.0
15 to 26 weeks	13.3	12.2	11.1	12.1	12.0	11.5	10.8	11.3	12.1	12.7	15.6	15.6	13.2
27 weeks and over	11.6	11.0	10.2	8.9	9.2	8.8	8.3	8.5	8.4	9.2	11.3	13.9	15.9

A-49. Unemployment rates by sex and age, seasonally adjusted

Sex and age	1978				1979				1980				1981
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
Total, 16 years and over	6.3	6.0	5.9	5.9	5.8	5.7	5.7	5.9	6.2	7.3	7.5	7.5	7.4
16 to 19 years	17.0	15.9	16.1	16.3	16.0	16.0	16.0	16.2	16.4	17.9	18.4	18.3	19.1
16 to 17 years	19.8	18.7	19.3	19.4	18.6	18.4	17.3	18.0	18.5	20.1	20.9	20.7	21.3
18 to 19 years	15.1	14.1	13.6	13.9	14.1	14.4	15.0	14.8	14.9	16.5	16.6	16.5	17.7
20 to 24 years	10.4	9.4	9.3	8.9	8.9	8.7	9.1	9.4	10.0	12.0	12.1	12.1	11.8
25 years and over	4.1	4.0	4.0	3.9	4.0	3.8	3.9	4.0	4.3	5.2	5.5	5.4	5.2
25 to 54 years	4.3	4.2	4.2	4.2	4.2	4.0	4.1	4.3	4.6	5.6	5.9	5.9	5.6
55 years and over	3.3	3.1	3.1	3.0	3.0	3.0	3.0	2.9	3.0	3.3	3.4	3.4	3.6
Males, 16 years and over	5.6	5.1	5.0	5.1	5.1	4.9	5.0	5.3	5.7	7.2	7.6	7.4	7.1
16 to 19 years	16.4	15.1	15.3	16.2	16.3	15.4	15.8	15.7	15.8	18.3	19.4	19.5	20.0
16 to 17 years	19.6	18.4	18.7	19.9	19.3	17.8	16.8	17.6	17.9	20.6	21.9	21.5	22.1
18 to 19 years	14.1	12.8	12.4	13.2	14.1	13.9	14.9	14.0	14.4	16.9	17.5	17.9	18.6
20 to 24 years	10.2	8.7	8.6	8.6	8.4	8.1	8.6	9.1	10.5	13.1	13.4	13.2	12.8
25 years and over	3.5	3.3	3.2	3.2	3.3	3.1	3.3	3.5	3.8	5.0	5.4	5.0	4.8
25 to 54 years	3.6	3.3	3.3	3.4	3.4	3.2	3.3	3.7	4.0	5.3	5.8	5.5	5.1
55 years and over	3.3	3.2	2.9	2.8	2.9	2.9	3.0	2.8	3.0	3.4	3.6	3.3	3.3
Females, 16 years and over	7.3	7.2	7.3	6.9	6.9	6.8	6.7	6.8	6.9	7.4	7.5	7.7	7.7
16 to 19 years	17.8	16.9	17.0	16.5	15.7	16.6	16.3	16.8	17.1	17.4	17.3	16.9	18.2
16 to 17 years	20.0	19.1	20.0	18.8	17.8	19.1	18.0	18.4	19.2	19.5	19.7	19.8	20.3
18 to 19 years	16.2	15.4	14.8	14.7	14.1	15.0	15.1	15.7	15.5	16.1	15.7	15.0	16.6
20 to 24 years	10.5	10.4	10.1	9.3	9.4	9.4	9.7	9.7	9.4	10.7	10.4	10.8	10.6
25 years and over	5.1	5.1	5.2	4.9	5.0	4.8	4.7	4.8	5.0	5.5	5.6	5.9	5.8
25 to 54 years	5.4	5.5	5.5	5.3	5.4	5.2	5.1	5.2	5.4	6.0	6.1	6.3	6.1
55 years and over	3.4	3.1	3.4	3.3	3.3	3.1	3.2	3.1	3.0	3.2	3.2	3.6	4.0

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

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

[Numbers in thousands]

Reason for unemployment	1978				1979				1980				1981
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers	2,640	2,500	2,412	2,449	2,497	2,396	2,553	2,786	3,040	4,071	4,357	4,232	3,863
On layoff	726	643	676	718	796	763	828	974	1,098	1,716	1,758	1,538	1,274
Other job losers	1,914	1,857	1,736	1,731	1,701	1,633	1,725	1,812	1,942	2,355	2,598	2,693	2,589
Job leavers	878	831	848	853	882	857	848	829	814	907	870	860	885
Reentrants	1,839	1,762	1,846	1,806	1,759	1,746	1,770	1,755	1,806	1,906	1,865	1,926	2,016
New entrants	898	865	861	846	833	804	750	800	818	832	875	879	971
PERCENT DISTRIBUTION													
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	42.2	42.0	40.4	41.1	41.8	41.3	43.1	45.1	46.9	52.8	54.7	53.6	49.9
On layoff	11.6	10.8	11.3	12.1	13.3	13.1	14.0	15.8	17.0	22.2	22.1	19.5	16.5
Other job losers	30.6	31.2	29.1	29.1	28.5	28.1	29.1	29.4	30.0	30.5	32.6	34.1	33.5
Job leavers	14.0	13.9	14.2	14.3	14.8	14.8	14.3	13.4	12.6	11.8	10.9	10.9	11.4
Reentrants	29.4	29.6	30.9	30.3	29.5	30.1	29.9	28.4	27.9	24.7	23.4	24.4	26.1
New entrants	14.4	14.5	14.4	14.2	13.9	13.9	12.7	13.0	12.6	10.8	11.0	11.1	12.6
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	2.7	2.5	2.4	2.4	2.4	2.3	2.5	2.7	2.9	3.9	4.1	4.0	3.7
On layoff .....	.9	.8	.8	.8	.9	.8	.8	.8	.8	.9	.8	.8	.8
Other job losers	1.9	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.9
Job leavers .....	.9	.9	.9	.8	.8	.8	.7	.8	.8	.8	.8	.8	.9

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

[In thousands]

Sex and age	1978				1979				1980				1981
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
Total, 16 years and over	92,516	94,212	94,774	95,581	96,359	96,574	97,282	97,572	97,718	97,040	97,061	97,276	98,012
16 to 19 years	7,766	8,026	8,100	8,032	8,096	7,993	7,900	7,952	7,859	7,627	7,477	7,443	7,377
16 to 17 years	3,158	3,299	3,334	3,282	3,332	3,255	3,219	3,278	3,179	3,049	2,965	2,928	2,924
18 to 19 years	4,601	4,708	4,783	4,761	4,760	4,716	4,685	4,693	4,680	4,559	4,528	4,522	4,440
20 to 24 years	13,170	13,474	13,602	13,736	13,884	13,899	13,927	13,856	13,782	13,545	13,544	13,607	13,690
25 years and over	71,982	72,710	73,063	73,809	74,390	74,683	75,456	75,755	76,082	75,872	76,060	76,208	76,941
25 to 54 years	58,000	58,538	58,920	59,576	60,003	60,378	61,113	61,388	61,720	61,546	61,723	62,056	62,726
55 years and over	13,974	14,166	14,153	14,244	14,382	14,292	14,347	14,375	14,369	14,311	14,336	14,157	14,203
Males, 16 years and over	54,686	55,462	55,657	55,953	56,356	56,445	56,640	56,572	56,526	55,855	55,674	55,899	56,147
16 to 19 years	4,216	4,293	4,329	4,270	4,274	4,253	4,214	4,212	4,216	4,045	3,898	3,894	3,902
16 to 17 years	1,747	1,781	1,795	1,742	1,776	1,763	1,746	1,759	1,747	1,642	1,569	1,569	1,563
18 to 19 years	2,464	2,501	2,552	2,535	2,492	2,475	2,472	2,462	2,471	2,391	2,346	2,329	2,330
20 to 24 years	7,146	7,336	7,379	7,448	7,516	7,541	7,561	7,518	7,430	7,232	7,170	7,203	7,238
25 years and over	43,519	43,822	43,954	44,235	44,567	44,638	44,873	44,844	44,881	44,569	44,625	44,800	45,008
25 to 54 years	34,878	35,088	35,217	35,414	35,717	35,874	36,046	36,051	36,072	35,819	35,897	36,112	36,299
55 years and over	8,639	8,738	8,739	8,817	8,853	8,768	8,829	8,783	8,812	8,757	8,730	8,676	8,699
Females, 16 years and over	38,030	38,751	39,117	39,628	40,003	40,130	40,642	41,000	41,192	41,185	41,387	41,376	41,865
16 to 19 years	3,550	3,732	3,771	3,762	3,822	3,740	3,685	3,740	3,642	3,582	3,580	3,549	3,476
16 to 17 years	1,411	1,518	1,539	1,540	1,556	1,492	1,473	1,518	1,432	1,408	1,396	1,359	1,361
18 to 19 years	2,138	2,207	2,230	2,225	2,269	2,241	2,213	2,231	2,210	2,168	2,182	2,193	2,109
20 to 24 years	6,024	6,138	6,223	6,288	6,368	6,358	6,366	6,338	6,351	6,313	6,374	6,404	6,452
25 years and over	28,463	28,889	29,109	29,574	29,823	30,045	30,583	30,911	31,201	31,303	31,435	31,408	31,933
25 to 54 years	23,122	23,451	23,703	24,162	24,286	24,504	25,067	25,337	25,647	25,728	25,826	25,944	26,427
55 years and over	5,335	5,428	5,415	5,428	5,528	5,524	5,519	5,592	5,558	5,554	5,606	5,480	5,504

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Category	1978				1979				1980				1981
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
CHARACTERISTIC													
Total, 16 years and over	92,916	94,212	94,774	95,581	96,359	96,574	97,282	97,572	97,718	97,040	97,061	97,276	98,012
Married men, spouse present	38,489	38,643	38,716	38,909	39,152	39,042	39,253	38,921	38,749	38,263	38,021	38,180	38,220
Married women, spouse present	21,575	21,755	21,920	22,271	22,483	22,524	22,901	22,991	23,142	23,123	23,090	23,040	23,407
OCCUPATION													
White-collar workers	46,546	46,970	47,332	47,975	48,729	49,149	49,594	49,896	50,363	50,643	51,135	51,105	51,680
Professional and technical	14,023	14,203	14,255	14,514	14,904	15,053	15,090	15,164	15,395	15,583	15,669	15,818	15,868
Managers and administrators, except farm	10,088	10,104	10,109	10,122	10,366	10,459	10,531	10,613	10,785	10,850	11,038	11,001	11,472
Sales workers	5,866	5,934	5,960	6,035	6,053	6,142	6,163	6,285	6,231	6,055	6,195	6,202	6,252
Clerical workers	16,569	16,729	17,008	17,304	17,406	17,496	17,710	17,835	17,952	18,154	18,232	18,083	18,087
Blue-collar workers	30,881	31,611	31,690	31,913	32,090	31,942	32,188	32,032	31,669	30,788	30,315	30,481	30,459
Craft and kindred workers	12,127	12,308	12,498	12,600	12,819	12,827	12,924	12,943	12,756	12,540	12,413	12,415	12,432
Operatives, except transport	10,646	10,966	10,909	10,970	10,944	10,821	10,972	10,886	10,632	10,354	10,179	10,217	10,303
Transport equipment operatives	3,517	3,533	3,514	3,600	3,595	3,626	3,625	3,599	3,566	3,461	3,422	3,425	3,348
Nonfarm laborers	4,590	4,805	4,768	4,744	4,732	4,667	4,667	4,604	4,715	4,433	4,300	4,424	4,375
Service workers	12,692	12,845	12,862	12,960	12,801	12,827	12,759	12,952	12,985	12,966	12,963	12,920	13,098
Farm workers	2,800	2,790	2,822	2,770	2,750	2,662	2,706	2,698	2,704	2,679	2,690	2,756	2,693
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,384	1,425	1,433	1,423	1,401	1,409	1,409	1,431	1,420	1,381	1,353	1,397	1,380
Self-employed workers	1,591	1,617	1,616	1,598	1,572	1,539	1,597	1,610	1,604	1,617	1,653	1,636	1,614
Unpaid family workers	343	300	321	302	317	294	309	301	294	286	295	318	307
Nonagricultural industries:													
Wage and salary workers	82,840	84,092	84,623	85,435	86,094	86,288	86,686	87,096	87,226	86,627	86,439	86,581	87,410
Government	15,282	15,253	15,266	15,343	15,296	15,385	15,362	15,428	15,534	15,724	15,608	15,634	15,671
Private industries	67,559	68,839	69,357	70,091	70,799	70,903	71,324	71,668	71,693	70,903	70,831	70,947	71,740
Private households	1,384	1,401	1,357	1,306	1,296	1,202	1,238	1,225	1,160	1,184	1,184	1,134	1,203
Other industries	66,175	67,437	68,000	68,785	69,503	69,700	70,086	70,443	70,533	69,719	69,647	69,813	70,537
Self-employed workers	6,255	6,325	6,248	6,396	6,522	6,591	6,733	6,762	6,800	6,743	6,886	6,974	6,886
Unpaid family workers	482	481	461	463	467	465	466	419	392	405	415	406	382
PERSONS AT WORK¹													
Nonagricultural industries	83,887	85,950	86,106	86,750	87,476	87,577	88,826	88,707	88,815	88,003	87,957	88,550	89,508
Full-time schedules	69,053	70,577	71,041	71,497	72,148	72,298	73,183	72,969	72,839	71,647	71,427	72,156	72,876
Part time for economic reasons	3,188	3,271	3,242	3,155	3,230	3,266	3,228	3,412	3,491	4,016	4,137	4,205	4,282
Usually work full time	1,202	1,255	1,291	1,243	1,267	1,268	1,326	1,447	1,486	1,804	1,735	1,651	1,653
Usually work part time	1,985	2,016	1,951	1,912	1,964	1,998	1,902	1,965	2,005	2,212	2,403	2,554	2,629
Part time for noneconomic reasons	11,646	12,103	11,823	12,098	12,098	12,013	12,415	12,327	12,484	12,340	12,393	12,190	12,350

¹ 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
QUARTERLY AVERAGES**

A-53. Persons not in labor force by reason, sex, and race, seasonally adjusted

(In thousands)

Reason, sex, and race	1978				1979				1980				1981
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
TOTAL													
Total not in labor force	58,848	58,428	58,482	58,396	58,242	58,803	58,502	53,850	58,999	59,111	59,493	59,906	59,820
Do not want job now	53,628	53,085	52,826	53,071	53,282	53,552	52,835	53,574	53,573	53,851	54,231	54,521	53,998
Current activity:													
Going to school	6,265	6,201	5,919	5,991	5,949	5,939	5,846	6,037	6,038	6,185	6,594	6,224	6,068
Ill, disabled	4,479	4,572	4,459	4,633	4,519	4,533	4,539	4,534	4,627	4,446	4,124	4,293	4,071
Keeping house	29,829	29,612	29,393	29,224	29,466	29,166	28,686	28,659	28,376	28,688	28,646	28,842	28,296
Retired	9,401	9,200	9,379	9,499	9,553	9,994	9,954	10,254	10,578	10,538	10,917	10,938	11,252
Other	3,653	3,500	3,676	3,724	3,795	3,921	3,809	4,090	3,954	3,994	3,950	4,224	4,311
Want a job now	5,438	5,289	5,339	5,283	5,252	5,193	5,437	5,333	5,548	5,431	5,605	5,586	5,905
Reason not looking:													
School attendance	1,423	1,316	1,425	1,339	1,360	1,388	1,503	1,478	1,453	1,461	1,517	1,466	1,521
Ill health, disability	691	749	698	742	739	695	760	785	771	728	759	710	817
Home responsibilities	1,223	1,245	1,219	1,222	1,221	1,237	1,253	1,245	1,335	1,195	1,235	1,179	1,290
Think cannot get job	906	842	850	787	713	814	729	766	949	921	961	1,055	1,115
Job-market factors	643	542	603	494	492	518	525	465	603	626	669	697	876
Personal factors	263	301	247	294	221	296	204	301	345	294	292	358	239
Other reasons ¹	1,195	1,137	1,147	1,192	1,219	1,059	1,191	1,058	1,040	1,127	1,133	1,176	1,162
Males													
Total not in labor force	16,589	15,583	16,735	16,687	16,602	16,947	16,937	17,220	17,296	17,344	17,607	17,795	17,947
Do not want job now	14,880	14,865	15,050	14,954	14,996	15,361	15,174	15,482	15,570	15,663	15,942	16,081	15,925
Want a job now	1,739	1,660	1,679	1,672	1,671	1,555	1,780	1,731	1,710	1,753	1,825	1,827	1,921
Reason not looking:													
School attendance	720	647	711	690	681	586	776	733	699	745	765	720	795
Ill health, disability	311	337	322	333	356	276	346	355	324	338	338	307	379
Think cannot get job	331	312	284	296	276	272	281	291	347	319	367	370	372
Other reasons ¹	378	364	362	352	358	321	377	353	340	351	355	430	374
Females													
Total not in labor force	42,259	41,845	41,747	41,709	41,640	41,856	41,655	41,630	41,702	41,769	41,886	42,111	41,873
Do not want job now	38,748	38,220	37,776	38,117	38,286	38,191	37,661	38,092	38,003	38,188	38,288	38,441	38,073
Want a job now	3,699	3,629	3,660	3,611	3,581	3,638	3,657	3,602	3,838	3,678	3,780	3,759	3,984
Reason not looking:													
School attendance	703	668	714	649	679	702	727	746	754	716	751	746	726
Ill health, disability	381	412	375	409	384	419	414	430	447	390	421	403	437
Home responsibilities	1,223	1,245	1,219	1,222	1,221	1,237	1,253	1,245	1,335	1,195	1,235	1,179	1,290
Think cannot get job	575	531	566	491	437	542	448	475	602	601	594	685	743
Other reasons ¹	817	773	785	840	861	738	315	705	700	776	778	746	788
White													
Total not in labor force	51,503	51,066	51,079	50,899	50,738	51,201	50,982	51,122	51,138	51,182	51,594	51,870	51,709
Do not want job now	47,417	47,174	46,893	46,855	46,852	47,292	46,826	46,973	46,874	47,198	47,545	47,744	47,198
Want a job now	4,154	3,983	4,201	3,928	3,982	3,934	4,192	4,042	4,259	4,094	4,139	4,124	4,328
Reason not looking:													
School attendance	1,048	962	1,156	982	1,001	971	1,153	1,113	1,051	1,087	1,084	1,059	1,095
Ill health, disability	497	534	519	523	536	505	529	527	559	533	514	513	574
Home responsibilities	954	967	955	914	942	952	972	985	1,104	940	957	907	967
Think cannot get job	655	577	580	544	516	578	534	551	673	611	681	686	756
Other reasons ¹	1,000	943	991	966	988	929	1,004	866	871	923	903	960	936
Black and other													
Total not in labor force	7,376	7,350	7,401	7,478	7,520	7,593	7,539	7,711	7,870	7,918	7,912	8,036	8,169
Do not want job now	6,067	6,051	6,164	6,156	6,236	6,338	6,345	6,460	6,544	6,581	6,449	6,642	6,558
Want a job now	1,330	1,277	1,201	1,316	1,281	1,217	1,309	1,236	1,322	1,315	1,526	1,402	1,642
Reason not looking:													
School attendance	379	340	313	359	362	402	385	369	400	357	461	406	427
Ill health, disability	209	222	170	206	215	195	223	236	228	205	228	187	270
Home responsibilities	289	261	269	306	290	266	295	258	243	239	285	269	342
Think cannot get job	275	252	279	234	211	216	204	197	296	292	293	354	395
Other reasons ¹	178	202	170	211	203	138	202	176	155	221	258	186	209

¹ Includes small number of men not looking for work because of "home responsibilities."

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-54. Persons not in labor force by reason, sex, and age

(In thousands)

Reason and sex	Total		Age							
			16 to 19 years		20 to 24 years		25 to 59 years		60 years and over	
	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981
TOTAL										
Total not in labor force	59,950	60,659	7,698	7,722	4,827	4,791	21,614	21,565	25,811	26,581
Do not want a job now	54,227	54,572	6,097	6,143	3,864	3,802	19,032	18,763	25,234	25,869
Current activity:										
Going to school	7,678	7,708	5,258	5,235	1,758	1,736	639	730	25	8
Ill, disabled	4,638	4,073	32	39	101	129	2,247	1,862	2,256	2,044
Keeping house	28,038	27,933	447	471	1,573	1,515	14,039	13,796	11,980	12,153
Retired	10,610	11,280	--	--	--	--	246	244	10,364	11,036
Other	3,263	3,578	360	398	432	422	1,861	2,131	609	628
Want a job now	5,724	6,085	1,601	1,580	963	990	2,579	2,803	578	711
Reason not looking:										
School attendance	1,698	1,776	1,241	1,268	279	315	177	184	--	10
Ill health, disability	796	847	32	14	79	66	520	541	165	225
Home responsibilities	1,272	1,231	110	64	284	258	831	869	46	38
Think cannot get job	967	1,132	132	130	141	167	496	612	198	224
Job-market factors	592	847	65	80	100	136	349	507	79	123
Personal factors	375	285	66	50	42	29	149	104	118	100
Other reasons ¹	990	1,099	86	104	180	184	555	597	169	214
Males										
Total not in labor force	17,996	18,520	3,563	3,567	1,468	1,526	3,324	3,431	9,640	9,995
Do not want a job now	16,158	16,448	2,828	2,788	1,201	1,189	2,764	2,819	9,367	9,659
Current activity:										
Going to school	3,856	3,750	2,627	2,540	926	892	289	319	14	3
Ill, disabled	2,465	2,115	15	22	40	67	1,207	1,018	1,204	1,010
Keeping house	321	291	6	11	7	4	87	96	222	181
Retired	7,685	8,198	--	--	--	--	199	218	7,486	7,980
Other	1,831	2,094	180	215	228	226	982	1,168	441	485
Want a job now	1,837	2,070	734	780	267	337	559	614	275	336
Reason not looking:										
School attendance	812	926	615	670	134	172	63	78	--	4
Ill health, disability	336	397	10	5	35	45	221	230	70	116
Think cannot get job	364	391	73	64	37	56	145	161	108	109
Other reasons ¹	325	356	36	41	61	64	130	145	97	107
Females										
Total not in labor force	41,955	42,139	4,135	4,154	3,359	3,265	18,290	18,134	16,171	16,585
Do not want a job now	38,068	38,126	3,267	3,355	2,662	2,613	16,270	15,946	15,870	16,210
Current activity:										
Going to school	3,823	3,958	2,629	2,695	831	844	352	412	11	6
Ill, disabled	2,172	1,959	16	17	61	62	1,041	845	1,054	1,034
Keeping house	27,717	27,642	441	460	1,566	1,510	13,952	13,700	11,759	11,973
Retired	2,924	3,082	--	--	--	--	46	26	2,878	3,055
Other	1,432	1,485	181	183	204	197	879	963	168	142
Want a job now	3,886	4,014	868	799	696	652	2,018	2,189	300	375
Reason not looking:										
School attendance	886	850	626	598	145	143	113	105	--	5
Ill health, disability	460	449	23	9	44	21	300	310	94	109
Home responsibilities	1,272	1,231	110	64	284	258	831	869	46	38
Think cannot get job	603	741	59	65	105	110	350	452	89	115
Other reasons ¹	665	743	50	63	118	120	424	453	71	108

¹ Includes small number of men not looking for work because of "home responsibilities."

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

HOUSEHOLD DATA QUARTERLY AVERAGES

A-55. Persons not in labor force by reason, race, age, and sex

[In thousands]

Reason and race	Total		Age						Sex			
			16 to 24 years		25 to 59 years		60 years and over		Males		Females	
	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981
WHITE												
Total not in labor force	51,896	52,308	9,918	9,807	18,688	18,511	23,290	23,990	15,232	15,618	36,664	36,690
Do not want a job now	47,513	47,843	8,056	7,987	16,644	16,419	22,812	23,437	13,850	14,145	33,663	33,698
Current activity:												
Going to school	6,122	6,160	5,601	5,596	503	556	20	9	3,104	3,058	3,019	3,102
Ill, disabled	3,646	3,303	101	126	1,720	1,494	1,825	1,683	1,984	1,701	1,662	1,607
Keeping house	25,478	25,252	1,717	1,690	12,642	12,365	11,117	11,196	254	232	25,224	25,020
Retired	9,554	10,195	--	--	223	221	9,331	9,974	6,995	7,447	2,559	2,748
Other	2,712	2,933	637	575	1,556	1,783	519	575	1,513	1,707	1,199	1,226
Want a job now	4,383	4,464	1,864	1,820	2,043	2,092	479	551	1,382	1,436	3,001	3,028
Reason not looking:												
School attendance	1,221	1,274	1,103	1,131	118	134	--	8	598	646	623	628
Ill health, disability	571	586	76	61	371	362	124	163	245	270	326	316
Home responsibilities	1,040	911	302	206	705	671	33	34	--	--	1,040	911
Think cannot get job	709	793	160	191	383	441	166	163	263	279	446	514
Other reasons ¹	842	900	223	231	466	484	156	183	276	241	566	659
BLACK AND OTHER												
Total not in labor force	8,054	8,351	2,608	2,706	2,926	3,055	2,521	2,591	2,763	2,902	5,291	5,449
Do not want a job now	6,713	6,732	1,902	1,953	2,387	2,341	2,424	2,431	2,308	2,305	4,405	4,427
Current activity:												
Going to school	1,556	1,548	1,416	1,373	136	172	5	--	752	692	804	856
Ill, disabled	990	772	31	43	527	369	432	361	480	415	510	357
Keeping house	2,560	2,682	301	293	1,395	1,429	863	957	67	60	2,493	2,622
Retired	1,056	1,085	--	--	22	24	1,034	1,061	691	752	365	333
Other	551	645	154	244	307	347	90	52	318	386	233	259
Want a job now	1,341	1,621	704	751	541	712	98	160	456	582	885	1,039
Reason not looking:												
School attendance	477	502	417	453	60	49	--	1	214	280	263	222
Ill health, disability	226	260	36	19	149	178	40	63	92	127	134	133
Home responsibilities	232	320	93	119	127	197	13	5	--	--	232	320
Think cannot get job	258	340	112	106	113	173	33	60	101	113	157	227
Other reasons ¹	148	199	46	54	92	115	12	31	49	62	99	137

¹ Includes small number of men not looking for work because of "home responsibilities."

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

[In thousands]

Reason and sex	Total	1st Quarter 1981					
		Age				Race	
		16 to 19 years	20 to 24 years	25 to 59 years	60 years and over	White	Black and other
TOTAL							
Personal factors:							
Employers think too young or old	114	18	--	14	82	100	14
Lacks education or training	93	18	15	49	10	75	19
Other personal handicap	78	14	14	41	8	63	14
Job market factors:							
Could not find job	468	56	94	260	58	277	191
Thinks no job available	379	24	42	247	65	278	101
Males							
Personal factors:							
Employers think too young or old	56	9	--	2	46	45	11
Lacks education or training	25	12	3	7	2	20	5
Other personal handicap	29	2	6	16	6	26	3
Job market factors:							
Could not find job	148	27	35	74	13	92	56
Thinks no job available	133	15	13	63	43	95	37
Females							
Personal factors:							
Employers think too young or old	57	9	--	11	37	55	3
Lacks education or training	68	6	12	42	8	55	14
Other personal handicap	49	12	9	25	2	37	11
Job market factors:							
Could not find job	320	29	60	188	45	185	135
Thinks no job available	246	9	30	185	22	183	64

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

[Numbers in thousands]

Most recent work experience, reason for leaving last job, and sex	Total		Age						Race			
			16 to 24 years		25 to 59 years		60 years and over		White		Black and other	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
Total, not in labor force	59,950	60,659	12,525	12,513	21,614	21,565	25,811	26,581	51,896	52,308	8,054	8,351
Never worked	9,369	9,820	4,758	5,182	2,048	2,245	2,564	2,395	7,398	7,760	1,971	2,060
Last worked over 5 years ago	29,413	30,091	327	288	10,968	10,606	18,119	19,197	26,096	26,699	3,317	3,393
Last worked 1 to 5 years ago	10,236	10,412	1,746	1,877	4,789	5,055	3,702	3,480	8,925	8,953	1,311	1,458
Left job during previous 12 months	10,930	10,334	5,694	5,166	3,808	3,661	1,427	1,508	9,477	8,896	1,454	1,439
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	46.4	42.2	62.5	58.4	37.5	34.6	5.8	5.1	47.5	43.3	39.2	35.4
Ill health, disability	8.0	7.0	1.8	1.4	14.1	12.5	16.5	12.8	7.4	6.7	11.8	8.9
Retirement, old age	7.5	8.0	--	--	3.8	3.0	47.0	47.2	7.8	8.8	5.2	3.2
Economic reasons	20.8	23.9	18.1	22.1	24.2	26.1	22.4	25.1	20.5	22.9	22.4	30.1
End of seasonal job	9.1	9.5	9.9	10.2	7.5	8.4	10.3	9.6	8.7	8.7	11.3	14.3
Stack work	6.2	7.6	3.8	6.0	10.4	9.9	4.6	7.4	6.1	7.1	6.7	10.7
End of temporary job	5.5	6.9	4.4	5.9	6.4	7.8	7.5	8.1	5.7	7.1	4.3	5.1
All other reasons	17.4	18.9	17.7	18.0	20.5	23.8	8.3	9.9	16.8	18.3	21.4	22.4
Males, not in labor force	17,996	18,520	5,031	5,093	3,324	3,431	9,640	9,995	15,232	15,618	2,763	2,902
Never worked	2,213	2,390	1,982	2,105	175	241	55	44	1,548	1,700	665	690
Last worked over 5 years ago	8,036	8,341	51	49	1,355	1,324	6,629	6,969	7,011	7,262	1,025	1,080
Last worked 1 to 5 years ago	3,459	3,605	417	520	928	1,014	2,113	2,072	2,996	3,031	463	574
Left job during previous 12 months	4,287	4,182	2,580	2,419	863	852	843	911	3,678	3,625	610	558
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	40.9	37.4	62.0	57.9	15.5	16.6	2.4	2.5	41.6	38.4	36.9	31.1
Ill health, disability	8.8	8.5	1.4	1.7	24.1	23.1	15.9	12.9	8.9	8.2	8.5	10.6
Retirement, old age	13.1	14.0	--	1	12.5	10.1	53.9	54.5	13.7	15.2	9.7	6.1
Economic reasons	21.4	23.8	20.0	23.9	25.5	25.6	21.7	22.1	20.9	22.4	24.8	33.0
End of seasonal job	11.0	10.4	11.6	11.2	8.6	9.3	11.6	9.8	10.5	9.7	13.8	15.3
Stack work	5.9	7.5	3.8	6.2	13.2	12.3	5.1	6.5	5.7	7.1	7.4	10.4
End of temporary job	4.5	5.9	4.6	6.5	3.7	4.0	5.0	5.8	4.7	5.6	3.6	7.4
All other reasons	15.7	16.3	16.6	16.5	22.6	24.6	6.0	8.0	14.9	15.8	20.2	19.2
Females, not in labor force	41,955	42,139	7,494	7,419	18,290	18,134	16,171	16,585	36,664	36,690	5,291	5,449
Never worked	7,157	7,430	2,776	3,077	1,873	2,002	2,509	2,351	5,850	6,060	1,306	1,370
Last worked over 5 years ago	21,377	21,750	278	241	9,612	9,281	11,489	12,229	19,085	19,437	2,292	2,313
Last worked 1 to 5 years ago	6,777	6,807	1,329	1,357	3,859	4,043	1,589	1,408	5,929	5,922	848	884
Left job during previous 12 months	6,643	6,152	3,113	2,747	2,945	2,808	584	597	5,799	5,271	844	881
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	49.9	45.5	62.9	58.9	43.9	40.1	10.6	9.0	51.2	46.7	40.9	38.1
Ill health, disability	7.4	5.9	2.0	1.1	11.1	9.1	17.6	12.5	6.4	5.6	14.1	7.8
Retirement, old age	3.8	3.9	--	--	1.3	1.9	37.1	36.1	4.1	4.3	2.0	1.4
Economic reasons	20.4	24.0	16.6	20.5	23.7	26.4	23.4	29.6	20.3	23.3	20.6	28.3
End of seasonal job	7.9	8.8	8.5	9.4	7.1	8.1	8.2	9.2	7.6	8.0	9.6	13.6
Stack work	6.4	7.7	3.9	5.9	9.5	9.3	4.1	8.9	6.4	7.1	6.2	10.9
End of temporary job	6.1	7.5	4.2	5.2	7.1	9.0	11.1	11.5	6.3	8.2	4.9	3.8
All other reasons	18.5	20.7	18.0	19.5	19.9	23.5	11.3	12.7	18.0	20.1	22.3	24.4

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

[In thousands]

Work-seeking intentions, work history, and sex	Total		Age						Race			
			16 to 24 years		25 to 59 years		60 years and over		White		Black and other	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
Total	49,424	50,170	6,102	6,390	18,159	17,910	25,162	25,870	43,265	44,084	6,159	6,087
Do not intend to seek work	10,525	10,488	6,423	6,123	3,453	3,655	649	711	8,630	8,223	1,894	2,264
Intend to seek work in the next 12 months	1,738	1,947	1,616	1,776	112	151	11	20	1,260	1,427	479	520
Never worked	1,105	1,147	55	54	887	887	164	205	890	856	215	291
Last worked over 5 years ago	2,079	2,122	840	787	1,012	1,114	228	221	1,669	1,570	409	552
Last worked 1 to 5 years ago	5,603	5,272	3,911	3,505	1,445	1,503	247	264	4,811	4,370	792	901
Worked during previous 12 months	Males											
Do not intend to seek work	13,967	14,551	2,076	2,295	2,583	2,647	9,309	9,608	11,940	12,489	2,028	2,063
Intend to seek work in the next 12 months	4,028	3,968	2,954	2,797	741	783	332	387	3,292	3,128	735	839
Never worked	733	787	723	766	11	20	--	1	526	567	208	220
Last worked over 5 years ago	174	200	13	8	99	107	62	84	132	125	42	75
Last worked 1 to 5 years ago	623	670	272	292	221	237	132	140	492	477	131	193
Worked during previous 12 months	2,497	2,311	1,947	1,731	412	419	138	162	2,142	1,959	355	352
Females												
Do not intend to seek work	35,457	35,618	4,025	4,094	15,577	15,262	15,854	16,261	31,325	31,595	4,131	4,024
Intend to seek work in the next 12 months	6,497	6,520	3,469	3,325	2,711	2,871	317	324	5,338	5,095	1,159	1,425
Never worked	1,005	1,160	894	1,010	100	132	11	19	734	866	271	300
Last worked over 5 years ago	931	948	42	47	787	779	101	121	758	731	173	216
Last worked 1 to 5 years ago	1,455	1,452	568	495	792	875	95	81	1,177	1,093	278	359
Worked during previous 12 months	3,106	2,960	1,964	1,773	1,033	1,085	109	103	2,669	2,411	437	549

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, sex, and age	Total		White		Black		Hispanic origin	
	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981
TOTAL								
Civilian noninstitutional population	163,216	165,620	142,957	144,769	17,270	17,665	8,183	8,801
Civilian labor force	103,265	104,961	91,061	92,461	10,321	10,560	5,215	5,618
Percent of population	63.3	63.4	63.7	63.9	59.8	59.8	63.7	63.8
Employed	96,318	96,610	85,602	85,816	8,983	8,996	4,715	4,965
Agriculture	2,860	2,846	2,593	2,615	212	171	198	205
Nonagricultural industries	93,458	93,764	83,008	83,201	8,771	8,825	4,517	4,760
Unemployed	6,947	8,352	5,460	6,645	1,338	1,565	500	653
Unemployment rate	6.7	8.0	6.0	7.2	13.0	14.8	9.6	11.6
Not in labor force	59,950	60,659	51,896	52,308	6,949	7,106	2,968	3,183
Males, 20 years and over								
Civilian noninstitutional population	69,142	70,405	61,270	62,279	6,668	6,837	3,374	3,656
Civilian labor force	54,709	55,452	48,822	49,457	4,963	5,028	2,885	3,101
Percent of population	79.1	78.8	79.7	79.4	74.4	73.5	85.5	84.8
Employed	51,595	51,549	46,336	46,269	4,393	4,378	2,676	2,776
Agriculture	2,197	2,124	1,973	1,934	180	145	164	164
Nonagricultural industries	49,398	49,425	44,363	44,335	4,212	4,234	2,512	2,612
Unemployed	3,114	3,904	2,486	3,188	571	650	209	325
Unemployment rate	5.7	7.0	5.1	6.4	11.5	12.9	7.2	10.5
Not in labor force	14,433	14,952	12,448	12,822	1,705	1,809	489	555
Females, 20 years and over								
Civilian noninstitutional population	77,766	79,172	67,923	69,002	8,381	8,598	3,685	4,018
Civilian labor force	39,947	41,187	34,525	35,555	4,602	4,772	1,797	2,000
Percent of population	51.4	52.0	50.8	51.5	54.9	55.5	48.8	49.8
Employed	37,601	38,427	32,719	33,459	4,126	4,163	1,614	1,804
Agriculture	434	475	404	450	23	13	17	20
Nonagricultural industries	37,167	37,952	32,315	33,009	4,103	4,150	1,597	1,784
Unemployed	2,345	2,760	1,806	2,097	476	609	183	196
Unemployment rate	5.9	6.7	5.2	5.9	10.4	12.8	10.2	9.8
Not in labor force	37,819	37,985	33,398	33,447	3,779	3,826	1,888	2,018
Both sexes, 16-19 years								
Civilian noninstitutional population	16,308	16,043	13,765	13,488	2,221	2,230	1,124	1,127
Civilian labor force	8,610	8,321	7,714	7,449	756	760	533	517
Percent of population	52.8	51.9	56.0	55.2	34.0	34.1	47.4	45.9
Employed	7,122	6,634	6,547	6,088	465	454	424	385
Agriculture	229	247	216	231	9	13	16	22
Nonagricultural industries	6,893	6,387	6,330	5,857	456	441	408	364
Unemployed	1,488	1,688	1,167	1,361	291	305	108	132
Unemployment rate	17.3	20.3	15.1	18.3	38.5	40.2	20.3	25.5
Not in labor force	7,698	7,722	6,051	6,039	1,465	1,470	591	610

NOTE: The term "black" refers to black workers only. In the 1970 census, they constituted about 89 percent of the "black and other" population group. Data on persons of Hispanic ethnicity are

collected independently of their race. In the 1970 census, approximately 95 percent of their population was white.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

Numbers in thousands

Employment status, sex, and age	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	I	I	I	I	I	I	I	I
	1980	1981	1980	1981	1980	1981	1980	1981
TOTAL								
Civilian noninstitutional population	8,183	8,801	4,940	5,353	1,028	1,022	585	685
Civilian labor force	5,215	5,618	3,278	3,570	529	499	397	438
Percent of population	63.7	63.8	66.4	66.7	51.5	48.8	67.9	63.9
Employed	4,715	4,965	2,941	3,146	463	422	378	389
Agriculture	198	205	182	186	5	3	3	2
Nonagricultural industries	4,517	4,760	2,759	2,961	458	419	375	387
Unemployed	500	653	338	424	66	77	19	49
Unemployment rate	9.6	11.6	10.3	11.9	12.6	15.4	4.8	11.1
Not in labor force	2,968	3,183	1,661	1,783	499	523	187	247
Males, 20 years and over								
Civilian noninstitutional population	3,374	3,656	2,116	2,320	369	351	244	304
Civilian labor force	2,885	3,101	1,850	2,028	299	265	214	248
Percent of population	85.5	84.8	87.4	87.4	81.0	75.5	87.7	81.6
Employed	2,676	2,776	1,715	1,810	268	227	203	223
Agriculture	164	164	150	149	4	2	3	2
Nonagricultural industries	2,512	2,612	1,565	1,661	264	225	200	221
Unemployed	209	325	135	218	31	38	11	25
Unemployment rate	7.2	10.5	7.3	10.7	10.4	14.3	5.4	10.0
Not in labor force	489	555	266	292	70	87	30	56
Females, 20 years and over								
Civilian noninstitutional population	3,685	4,018	2,108	2,328	511	510	271	302
Civilian labor force	1,797	2,000	1,032	1,173	196	187	154	160
Percent of population	48.8	49.8	49.0	50.4	38.4	36.7	56.8	53.0
Employed	1,614	1,804	918	1,056	169	172	146	144
Agriculture	17	20	14	16	1	1	--	--
Nonagricultural industries	1,597	1,784	904	1,039	168	172	146	144
Unemployed	183	196	114	118	27	15	8	16
Unemployment rate	10.2	9.8	11.1	10.0	13.7	7.9	5.1	9.9
Not in labor force	1,888	2,018	1,076	1,155	315	322	117	143
Both sexes, 16-19 years								
Civilian noninstitutional population	1,124	1,127	715	705	148	160	69	79
Civilian labor force	533	517	397	369	34	47	29	30
Percent of population	47.4	45.9	55.5	52.3	23.0	29.4	42.0	38.0
Employed	424	385	308	280	26	23	29	22
Agriculture	16	22	17	21	--	--	--	--
Nonagricultural industries	408	364	291	260	26	23	29	22
Unemployed	108	132	89	88	9	24	--	8
Unemployment rate	20.3	25.5	22.3	23.9	(2)	(2)	(2)	(2)
Not in labor force	591	610	319	336	114	113	40	49

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

² Percent not shown where base is less than 60,000.

HOUSEHOLD DATA QUARTERLY AVERAGES

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

[In thousands]

Category	Total		White		Black and other		Hispanic origin	
	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981
CHARACTERISTIC								
Total, 18 years and over	96,318	96,610	85,602	85,816	10,717	10,794	4,715	4,965
Males	55,352	54,986	49,799	49,422	5,552	5,564	2,945	3,011
Females	40,967	41,624	35,802	36,394	5,165	5,230	1,770	1,953
OCCUPATION								
White-collar workers	50,493	51,820	46,361	47,428	4,133	4,391	1,649	1,782
Professional and technical	15,660	16,148	14,329	14,733	1,330	1,415	385	411
Managers and administrators, except farm	10,738	11,422	10,189	10,779	549	643	307	348
Sales workers	6,133	6,156	5,826	5,859	306	297	199	192
Clerical workers	17,963	18,093	16,016	16,056	1,947	2,036	758	831
Blue-collar workers	30,635	29,489	26,728	25,773	3,908	3,716	2,151	2,178
Craft and kindred workers	12,395	12,084	11,359	11,066	1,036	1,018	665	653
Operatives, except transport	10,469	10,145	8,868	8,657	1,601	1,488	939	969
Transport equipment operatives	3,527	3,313	2,995	2,777	532	536	184	212
Nonfarm laborers	4,245	3,948	3,506	3,273	739	675	363	344
Service workers	12,844	12,959	10,376	10,451	2,468	2,509	760	849
Farm workers	2,345	2,342	2,137	2,164	208	178	155	156
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,188	1,155	987	980	201	175	181	185
Self-employed workers	1,473	1,483	1,416	1,431	57	53	17	19
Unpaid family workers	198	208	190	204	8	4	--	1
Nonagricultural industries:								
Wage and salary workers	86,337	86,565	76,316	76,446	10,021	10,118	4,270	4,516
Government	15,722	15,854	13,310	13,350	2,412	2,503	633	625
Private industries	70,614	70,711	63,006	63,097	7,608	7,615	3,637	3,892
Private households	1,083	1,122	714	748	369	373	83	87
Other industries	69,531	69,589	62,292	62,349	7,239	7,242	3,554	3,805
Self-employed workers	6,737	6,826	6,327	6,400	410	425	224	227
Unpaid family workers	384	373	365	354	19	19	22	17
FULL- AND PART-TIME STATUS ¹								
Full-time schedules	78,002	77,720	69,142	68,847	8,860	8,872	3,930	4,131
Part time for economic reasons	3,521	4,308	2,949	3,624	573	684	248	304
Part time for noneconomic reasons	14,795	14,582	13,511	13,345	1,284	1,237	537	530

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

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

[In thousands]

Category	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981
CHARACTERISTIC								
Total, 16 years and over.....	4,715	4,965	2,941	3,146	463	422	378	389
Males.....	2,945	3,011	1,913	1,990	284	238	220	237
Females.....	1,770	1,953	1,027	1,156	179	184	158	152
OCCUPATION								
White-collar workers.....	1,649	1,782	907	982	177	184	167	179
Professional and technical.....	385	411	178	190	42	42	46	45
Managers and administrators, except farm.....	307	348	181	200	27	26	35	39
Sales workers.....	199	192	103	112	15	13	25	20
Clerical workers.....	758	831	445	480	93	103	61	75
Blue-collar workers.....	2,151	2,178	1,414	1,501	199	173	173	167
Craft and kindred workers.....	665	653	437	441	51	40	45	54
Operatives, except transport.....	939	969	582	646	110	100	93	77
Transport equipment operatives.....	184	212	127	147	18	18	15	14
Nonfarm laborers.....	363	344	268	267	20	15	20	22
Service workers.....	760	849	475	518	84	62	37	43
Farm workers.....	155	156	145	145	2	1	1	--
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers.....	181	185	172	173	3	3	1	--
Self-employed workers.....	17	19	10	12	1	--	2	2
Unpaid family workers.....	--	1	--	--	--	--	--	--
Nonagricultural industries:								
Wage and salary workers.....	4,270	4,516	2,636	2,838	441	404	337	345
Government.....	633	625	416	399	69	66	32	28
Private industries.....	3,637	3,892	2,220	2,438	372	338	304	317
Private households.....	83	87	50	49	1	3	1	--
Other industries.....	3,554	3,805	2,170	2,389	371	335	303	317
Self-employed workers.....	224	227	111	112	18	14	38	41
Unpaid family workers.....	22	17	12	11	--	1	--	1
FULL- AND PART-TIME STATUS²								
Full-time schedules.....	3,930	4,131	2,412	2,611	410	375	342	325
Part time for economic reasons.....	248	304	190	213	16	16	7	19
Part time for noneconomic reasons.....	537	530	339	322	37	32	30	45

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

² Employed persons with a job but not at work are distributed proportionately among the full- and part-time employed categories.

QUARTERLY AVERAGES

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

(In thousands)

Sex and age	Total		White		Black		Hispanic origin	
	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981
Total, 16 years and over	96,318	96,610	85,602	85,816	8,983	8,996	4,715	4,965
16 to 19 years	7,122	6,634	6,547	6,088	465	454	424	385
16 to 17 years	2,765	2,513	2,570	2,339	155	143	130	128
18 to 19 years	4,357	4,121	3,977	3,750	310	311	294	258
20 to 24 years	13,356	12,274	11,851	11,806	1,261	1,231	802	893
25 years and over	75,841	76,702	67,205	67,921	7,258	7,309	3,488	3,686
25 to 54 years	61,543	62,566	54,226	55,157	6,114	6,128	3,101	3,288
55 years and over	14,297	14,137	12,978	12,764	1,144	1,181	288	399
Males, 16 years and over	55,352	54,986	49,799	49,422	4,630	4,616	2,945	3,011
16 to 19 years	3,756	3,437	3,463	3,153	227	238	268	236
16 to 17 years	1,482	1,301	1,378	1,211	82	76	86	82
18 to 19 years	2,274	2,136	2,085	1,943	155	161	182	154
20 to 24 years	7,129	6,954	6,359	6,207	646	625	492	528
25 years and over	44,466	44,595	39,977	40,062	3,747	3,754	2,184	2,247
25 to 54 years	35,764	35,998	31,993	32,218	3,139	3,120	1,934	1,989
55 years and over	8,703	8,597	7,984	7,844	608	634	250	258
Females, 16 years and over	40,967	41,624	35,802	36,394	4,353	4,379	1,770	1,953
16 to 19 years	3,365	3,197	3,083	2,935	227	217	156	150
16 to 17 years	1,283	1,212	1,192	1,128	73	67	44	46
18 to 19 years	2,083	1,985	1,892	1,807	154	150	112	103
20 to 24 years	6,226	6,320	5,491	5,600	615	606	309	364
25 years and over	31,375	32,107	27,227	27,859	3,510	3,557	1,304	1,440
25 to 54 years	25,781	26,568	22,233	22,939	2,975	3,009	1,167	1,299
55 years and over	5,594	5,539	4,994	4,920	535	548	137	141

A-64. Unemployment rates by sex, age, race, and Hispanic origin

Sex and age	Total		White		Black		Hispanic origin	
	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981
Total, 16 years and over	6.7	8.0	6.0	7.2	13.0	14.8	9.6	11.6
16 to 19 years	17.3	20.3	15.1	18.3	38.5	40.2	20.3	25.5
16 to 17 years	19.7	22.8	17.9	20.9	39.6	44.5	28.2	30.5
18 to 19 years	15.7	18.6	13.2	16.5	37.9	38.0	16.3	22.8
20 to 24 years	11.1	13.0	9.6	11.5	22.7	25.0	12.5	15.0
25 years and over	4.8	5.6	4.3	5.2	8.5	10.4	7.4	9.0
25 to 54 years	5.1	6.1	4.6	5.5	9.1	11.3	7.7	9.2
55 years and over	3.4	4.1	3.2	3.9	5.5	5.3	4.4	7.2
Males, 16 years and over	6.6	8.2	5.9	7.5	13.4	15.1	8.3	11.9
16 to 19 years	17.6	22.2	15.7	20.2	38.0	41.9	17.9	26.1
16 to 17 years	20.2	25.1	18.5	23.2	40.1	45.9	26.8	30.6
18 to 19 years	15.8	20.3	13.7	18.2	36.8	39.7	17.8	23.4
20 to 24 years	12.3	14.9	11.0	13.7	23.7	25.3	11.8	17.0
25 years and over	4.5	5.7	4.1	5.2	9.0	10.5	6.1	8.8
25 to 54 years	4.8	6.1	4.3	5.5	9.3	11.4	6.3	9.0
55 years and over	3.5	4.0	3.2	3.7	7.0	5.8	4.6	7.5
Females, 16 years and over	6.9	7.7	6.1	6.8	12.5	14.5	11.0	11.1
16 to 19 years	16.9	18.1	14.5	16.1	39.0	38.2	24.2	24.6
16 to 17 years	19.1	20.2	17.3	18.3	39.1	42.9	30.8	30.2
18 to 19 years	15.5	16.7	12.7	14.6	39.0	35.9	21.3	21.8
20 to 24 years	9.6	10.7	7.9	9.0	21.7	24.6	13.5	11.9
25 years and over	5.1	5.9	4.7	5.7	8.0	10.4	9.1	9.7
25 to 54 years	5.5	6.2	5.0	5.5	8.8	11.3	9.9	9.5
55 years and over	3.3	4.3	3.2	4.2	3.6	4.7	4.2	6.6

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

[In thousands]

Weeks of unemployment	Total		White		Black and other		Hispanic origin	
	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981
DURATION								
Total, 16 years and over	6,947	8,352	5,460	6,645	1,487	1,706	500	653
Less than 5 weeks	3,036	3,177	2,417	2,560	620	617	230	276
5 to 14 weeks	2,403	2,624	1,927	2,127	476	497	159	212
15 weeks and over	1,507	2,550	1,116	1,959	392	591	111	166
15 to 26 weeks	936	1,264	711	1,001	225	263	79	98
27 weeks and over	571	1,286	405	958	167	329	32	67
Average (mean) duration, in weeks	10.9	14.5	10.5	13.8	12.5	16.9	10.3	12.1
Median duration, in weeks	6.4	8.1	6.2	7.9	7.2	8.9	5.8	6.9
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	43.7	38.0	44.3	38.5	41.7	36.2	46.0	42.3
5 to 14 weeks	34.6	31.4	35.3	32.0	32.0	29.1	31.8	32.5
15 weeks and over	21.7	30.5	20.4	29.5	26.3	34.7	22.2	25.3
15 to 26 weeks	13.5	15.1	13.0	15.1	15.1	15.4	15.8	15.0
27 weeks and over	8.2	15.4	7.4	14.4	11.2	19.3	6.3	10.3

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

[Numbers in thousands]

Reason for unemployment	Total		White		Black and other		Hispanic origin	
	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981
NUMBER OF UNEMPLOYED								
Total, 16 years and over	6,947	8,352	5,460	6,645	1,487	1,706	500	653
Job losers	3,631	4,608	2,901	3,766	730	842	268	362
On layoff	1,495	1,726	1,274	1,508	221	217	61	97
Other job losers	2,136	2,882	1,628	2,257	509	625	207	265
Job leavers	801	869	664	725	137	144	65	72
Reentrants	1,808	2,015	1,410	1,534	398	481	109	143
New entrants	707	860	484	620	222	240	58	75
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	52.3	55.2	53.1	56.7	49.1	49.3	53.6	55.5
On layoff	21.5	20.7	23.3	22.7	14.9	12.7	12.2	14.9
Other job losers	30.8	34.5	29.8	34.0	34.2	36.6	41.4	40.6
Job leavers	11.5	10.4	12.2	10.9	9.2	8.4	13.0	11.0
Reentrants	26.0	24.1	25.8	23.1	26.8	28.2	21.8	21.9
New entrants	10.2	10.3	8.9	9.3	14.9	14.1	11.6	11.5
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	3.5	4.3	3.2	4.0	6.0	6.7	5.1	6.4
Job leavers .....	.8	.8	.7	.8	1.1	1.1	1.2	1.3
Reentrants	1.8	1.9	1.5	1.7	3.3	3.8	2.1	2.5
New entrants .....	.7	.8	.5	.7	1.8	1.9	1.1	1.3

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-67. Employment status of male Vietnam-era veterans and nonveterans by age

[Numbers in thousands]

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed			
							Number		Percent of labor force	
I	I	I	I	I	I	I	I	I	I	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
VETERANS										
Total 26 years and over	8,154	8,463	7,724	8,011	7,297	7,500	427	511	5.5	6.4
26 to 29 years	7,219	7,322	6,934	7,025	6,532	6,549	403	476	5.8	6.8
30 to 34 years	1,804	1,569	1,709	1,456	1,543	1,297	166	159	9.7	10.9
35 to 39 years	3,609	3,443	3,485	3,338	3,324	3,125	162	213	4.6	6.4
40 years and over	1,806	2,303	1,740	2,232	1,665	2,128	75	104	4.3	4.7
	935	1,141	790	986	765	951	25	35	3.1	3.5
NONVETERANS										
Total, 26 to 39 years	15,146	16,017	14,360	15,165	13,556	14,095	805	1,071	5.6	7.1
26 to 29 years	6,931	7,288	6,548	6,850	6,121	6,272	427	579	6.5	8.4
30 to 34 years	4,415	4,988	4,208	4,751	3,990	4,448	219	304	5.2	6.4
35 to 39 years	3,800	3,741	3,604	3,564	3,445	3,375	159	188	4.4	5.3

NOTE: Vietnam-era veterans are males who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are males who have never served in the Armed Forces; published data are limited to those 26 to 39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population. Data for 20-to-24-year-old veterans are no longer shown on the table, because the group is rapidly disappearing (into the 25-29 age category) and the numbers remaining are not large enough to warrant their continued publication.

A-68. Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin

[Numbers in thousands]

Employment status and age	Veterans						Nonveterans					
	White		Black and other		Hispanic origin		White		Black and other		Hispanic origin	
	I	I	I	I	I	I	I	I	I	I	I	I
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
Total, 26 to 39 years:												
Civilian noninstitutional population	6,513	6,586	706	735	268	250	13,148	13,926	1,998	2,092	1,091	1,226
Civilian labor force	6,279	6,361	655	655	254	237	12,582	13,320	1,778	1,846	1,018	1,150
Employed	5,955	5,963	576	587	236	212	11,943	12,466	1,612	1,629	943	1,034
Unemployed	324	398	79	78	18	25	639	854	166	217	75	116
Unemployment rate	5.2	6.5	12.1	11.9	7.1	10.5	5.1	6.4	9.3	11.8	7.4	10.1
26 to 29 years												
Civilian noninstitutional population	1,579	1,365	225	204	99	71	6,083	6,402	848	887	464	538
Civilian labor force	1,499	1,275	210	181	91	65	5,797	6,086	751	765	432	506
Employed	1,373	1,145	170	152	82	59	5,450	5,616	670	656	401	455
Unemployed	126	130	40	29	9	6	347	470	81	109	31	51
Unemployment rate	8.4	10.2	19.0	16.0	9.9	9.2	6.0	7.7	10.8	14.2	7.2	10.1
30 to 34 years												
Civilian noninstitutional population	3,292	3,131	317	318	112	117	3,788	4,293	627	695	358	386
Civilian labor force	3,190	3,047	295	291	107	113	3,640	4,125	568	626	335	367
Employed	3,056	2,867	267	258	102	100	3,473	3,891	517	556	306	329
Unemployed	134	180	28	33	5	13	167	234	51	70	29	38
Unemployment rate	4.2	5.9	9.5	11.3	4.7	11.5	4.6	5.7	9.0	11.2	8.7	10.4
35 to 39 years												
Civilian noninstitutional population	1,642	2,090	164	213	57	62	3,277	3,231	523	510	269	302
Civilian labor force	1,590	2,039	150	193	56	59	3,145	3,109	459	455	251	277
Employed	1,526	1,951	139	177	52	53	3,020	2,959	425	417	236	250
Unemployed	64	88	11	16	4	6	125	150	34	38	15	27
Unemployment rate	4.0	4.3	7.3	8.3	(1)	(1)	4.0	4.8	7.4	8.4	6.0	9.7

¹ Percent not shown where base is less than 80,000.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, sex, age, and race	Metropolitan areas						Nonmetropolitan areas					
	Total		Central cities		Suburbs		Total		Farm		Nonfarm	
	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981
TOTAL												
Civilian noninstitutional population	110,886	112,287	46,152	46,036	64,733	66,251	52,339	53,333	4,480	4,731	47,859	49,002
Civilian labor force	71,469	72,398	28,755	28,687	42,714	43,712	31,796	32,564	2,773	2,648	29,023	29,916
Percent of population	64.5	64.5	62.3	62.3	66.0	66.0	60.9	61.1	61.9	61.2	60.7	61.1
Employed	66,780	66,748	26,528	26,669	40,252	40,679	29,538	29,861	2,671	2,543	26,867	27,318
Unemployed	4,689	5,649	2,228	2,618	2,462	3,031	2,258	2,702	102	106	2,156	2,596
Unemployment rate	6.6	7.8	7.7	9.1	5.8	6.9	7.1	8.3	3.7	4.0	7.4	8.7
Not in labor force	39,417	39,889	17,397	17,349	22,020	22,540	20,543	20,770	1,707	1,683	18,827	19,087
Males, 20 years and over												
Civilian noninstitutional population	46,833	47,631	19,100	19,163	27,733	28,467	22,309	22,774	2,146	1,971	20,263	20,803
Civilian labor force	37,595	38,038	14,780	14,720	22,812	23,317	17,117	17,415	1,654	1,582	15,463	15,832
Percent of population	80.3	79.9	77.4	76.8	82.3	81.9	76.7	76.5	80.9	80.3	76.3	76.1
Employed	35,529	35,410	13,780	13,476	21,750	21,934	16,066	16,139	1,618	1,542	14,448	14,597
Unemployed	2,063	2,627	1,000	1,245	1,063	1,383	1,051	1,276	36	41	1,015	1,235
Unemployment rate	5.5	4.9	6.8	8.5	4.7	5.9	6.1	7.3	2.2	2.6	6.6	7.8
Not in labor force	9,241	9,593	4,320	4,443	4,920	5,150	5,192	5,359	391	388	4,801	4,971
Females, 20 years and over												
Civilian noninstitutional population	53,088	53,934	22,667	22,734	30,421	31,199	24,678	25,236	1,906	1,900	22,772	23,338
Civilian labor force	27,964	28,713	11,811	11,904	16,153	16,749	11,982	12,475	842	834	11,140	11,641
Percent of population	52.7	53.2	52.1	52.6	53.1	53.7	48.6	49.4	44.2	43.9	48.9	49.9
Employed	26,350	26,860	11,028	11,088	15,322	15,773	11,252	11,567	807	791	10,445	10,776
Unemployed	1,615	1,852	784	816	831	976	730	908	35	43	696	865
Unemployment rate	5.8	6.5	6.6	7.3	5.1	5.8	6.1	7.3	4.2	5.1	6.2	7.4
Not in labor force	25,123	25,221	10,856	10,770	14,268	14,451	12,696	12,761	1,064	1,066	11,632	11,697
Both sexes, 16-19 years												
Civilian noninstitutional population	10,966	10,722	4,386	4,139	6,580	6,583	5,342	5,321	528	460	4,814	4,861
Civilian labor force	5,913	5,647	2,165	2,003	3,748	3,645	2,697	2,674	277	231	2,420	2,443
Percent of population	53.9	52.7	49.4	48.4	57.0	55.4	50.5	50.3	52.4	50.3	50.3	50.3
Employed	4,901	4,478	1,721	1,506	3,180	2,972	2,221	2,156	245	209	1,976	1,947
Unemployed	1,012	1,170	444	497	568	672	476	518	31	22	445	496
Unemployment rate	17.1	20.7	20.5	24.8	15.2	18.4	17.6	19.4	11.3	9.6	18.4	20.3
Not in labor force	5,053	5,075	2,221	2,136	2,831	2,939	2,646	2,647	251	228	2,395	2,419
White												
Civilian noninstitutional population	95,084	96,097	35,062	34,706	60,022	61,390	47,873	48,672	4,216	4,056	43,657	44,516
Civilian labor force	61,721	62,541	22,153	22,018	39,568	40,522	29,340	29,920	2,634	2,505	26,706	27,415
Percent of population	64.9	65.1	63.2	63.4	65.9	66.0	61.3	61.5	62.5	61.8	61.2	61.4
Employed	58,197	58,215	20,807	20,389	37,396	37,826	27,405	27,601	2,547	2,412	24,858	25,189
Unemployed	3,524	4,326	1,345	1,631	2,172	2,696	1,936	2,319	88	92	1,848	2,227
Unemployment rate	5.7	6.9	6.1	7.4	5.5	6.7	6.6	7.8	3.3	3.7	6.9	8.1
Not in labor force	33,364	33,556	12,910	12,688	20,454	20,868	18,532	18,752	1,582	1,551	17,950	17,901
Black and other												
Civilian noninstitutional population	15,802	16,190	11,091	11,329	4,712	4,861	4,457	4,661	264	275	4,193	4,386
Civilian labor force	9,748	9,857	6,603	6,668	3,145	3,189	2,456	2,643	139	144	2,317	2,499
Percent of population	61.7	60.9	59.5	58.9	66.7	65.6	55.1	56.7	52.5	52.2	55.3	57.0
Employed	8,583	8,534	5,721	5,680	2,862	2,853	2,134	2,260	124	130	2,010	2,130
Unemployed	1,165	1,323	882	987	284	335	322	383	15	13	307	370
Unemployment rate	12.0	13.4	13.4	14.8	9.0	10.5	13.1	14.5	10.8	9.3	13.2	14.8
Not in labor force	6,053	6,333	4,487	4,661	1,566	1,672	2,001	2,018	125	132	1,876	1,886

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

(Number in thousands)

Employment status and race	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981
TOTAL												
Civilian noninstitutional population	29,176	29,291	134,040	136,329	11,080	11,041	99,806	101,246	18,096	18,250	34,233	35,083
Civilian labor force	16,091	16,326	87,174	88,636	5,943	5,945	65,527	66,452	10,148	10,380	21,648	22,183
Percent of population	55.2	55.7	65.0	65.0	53.6	53.8	65.7	65.6	56.1	56.9	63.2	63.2
Employed	14,558	14,583	81,761	82,027	5,178	5,093	61,602	61,655	9,380	9,490	20,158	20,371
Unemployed	1,533	1,743	5,414	6,609	765	852	3,924	4,797	768	890	1,489	1,812
Unemployment rate	9.5	10.7	6.2	7.5	12.9	14.3	6.0	7.2	7.6	8.6	6.9	8.2
Not in labor force	13,085	12,965	46,865	47,694	5,137	5,095	34,280	34,794	7,948	7,870	12,586	12,900
White												
Civilian noninstitutional population	20,663	20,791	122,294	123,978	5,537	5,605	89,548	90,492	15,126	15,186	32,747	33,486
Civilian labor force	11,708	11,932	79,353	80,529	3,082	3,172	58,638	59,369	8,626	8,761	20,715	21,160
Percent of population	56.7	57.4	64.9	65.0	55.7	56.6	65.5	65.6	57.0	57.7	63.3	63.2
Employed	10,831	10,925	74,770	74,891	2,770	2,814	55,427	55,401	8,061	8,111	19,343	19,490
Unemployed	877	1,007	4,583	5,638	313	358	3,211	3,968	564	650	1,371	1,670
Unemployment rate	7.5	8.4	5.8	7.0	10.1	11.3	5.5	6.7	6.5	7.4	6.6	7.9
Not in labor force	8,955	8,859	42,941	43,449	2,454	2,433	30,909	31,123	6,500	6,426	12,032	12,326
Black and other												
Civilian noninstitutional population	8,513	8,499	11,745	12,352	5,543	5,436	10,259	10,755	2,970	3,064	1,486	1,597
Civilian labor force	4,383	4,393	7,821	8,107	2,860	2,774	6,888	7,083	1,523	1,620	933	1,024
Percent of population	51.5	51.7	66.6	65.6	51.6	51.0	67.1	65.9	51.3	52.9	62.8	64.1
Employed	3,726	3,658	6,990	7,136	2,408	2,279	6,175	6,255	1,318	1,379	815	881
Unemployed	656	735	831	971	452	495	713	829	204	241	118	142
Unemployment rate	15.0	16.7	10.6	12.0	15.8	17.8	10.4	11.7	13.4	14.9	12.6	13.9
Not in labor force	4,130	4,106	3,924	4,245	2,683	2,662	3,371	3,671	1,448	1,444	553	574

A-71. Unemployment rates in poverty and nonpoverty areas by race, sex, and age

Race, sex, and age	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981	I 1980	I 1981
TOTAL												
Both sexes, 16 years and over	9.5	10.7	6.2	7.5	12.9	14.3	6.0	7.2	7.6	8.6	6.9	8.2
Males, 20 years and over	8.3	9.3	5.2	6.6	11.0	13.2	5.0	6.4	6.7	7.2	5.8	7.4
Females, 20 years and over	7.9	9.3	5.5	6.2	10.5	11.3	5.3	6.0	6.3	8.0	6.0	7.0
Both sexes, 16-19 years	25.1	26.3	15.9	19.1	35.2	37.1	15.4	19.2	18.9	20.3	17.1	18.9
White												
Both sexes, 16 years and over	7.5	8.4	5.8	7.0	10.1	11.3	5.5	6.7	6.5	7.4	6.6	7.9
Males, 20 years and over	6.5	7.5	4.9	6.3	8.6	10.9	4.6	6.0	5.8	6.2	5.7	7.2
Females, 20 years and over	6.3	6.9	5.1	5.8	9.1	7.4	4.9	5.4	5.4	6.7	5.7	6.7
Both sexes, 16-19 years	18.9	21.9	14.6	17.7	25.4	32.4	14.0	17.5	16.6	18.3	16.2	18.3
Black and other												
Both sexes, 16 years and over	15.0	16.7	10.6	12.0	15.8	17.8	10.4	11.7	13.4	14.9	12.6	13.9
Males, 20 years and over	13.5	15.1	9.1	10.2	14.1	16.3	9.1	9.9	12.6	13.1	8.9	12.2
Females, 20 years and over	11.5	14.6	9.1	10.3	11.8	15.0	8.7	10.1	10.9	13.9	12.2	12.1
Both sexes, 16-19 years	41.5	38.8	31.9	36.6	45.2	42.3	30.9	37.2	33.3	32.3	37.9	33.3

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-72. Unemployment in families by type of family, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

Type of family, race, and Hispanic origin	I 1980					I 1981				
	Total families	With unemployment:			Total families	With unemployment:				
		Total	Percent of families:			Total	Percent of families:			
			With no employed person in family	With at least one employed person in family			With at least one person in family employed full time	With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL										
Total families	59,199	5,454	28.5	71.5	63.2	59,610	6,412	28.5	71.5	62.8
With children under 18 years of age	30,639	3,436	29.3	70.7	62.8	30,537	3,952	29.6	70.4	61.2
Married-couple families	48,362	4,090	21.6	78.4	70.2	48,404	4,769	21.9	78.1	69.5
With children under 18 years of age	24,570	2,614	20.7	79.3	71.1	24,291	3,005	21.5	78.5	69.4
Families maintained by females	8,652	1,073	50.8	49.2	40.1	8,946	1,331	50.0	50.0	40.0
With children under 18 years of age	5,313	707	58.1	41.9	33.9	5,481	840	56.8	43.3	33.9
Families maintained by males	2,185	291	41.9	58.1	51.2	2,260	313	37.4	62.6	57.5
With children under 18 years of age	755	116	46.6	53.4	50.9	766	106	46.2	53.8	46.2
White										
Total families	51,874	4,368	25.8	74.1	65.8	52,177	5,154	25.8	74.2	65.4
With children under 18 years of age	26,142	2,724	26.2	73.8	65.6	26,048	3,142	26.1	73.9	64.4
Married-couple families	44,000	3,529	21.3	78.7	70.3	44,134	4,132	21.6	78.5	69.7
With children under 18 years of age	22,066	2,241	20.3	79.7	71.2	21,831	2,591	21.2	78.8	69.1
Families maintained by females	6,061	627	47.2	52.8	44.7	6,211	783	45.5	54.4	44.2
With children under 18 years of age	3,464	394	55.6	44.4	37.6	3,593	463	50.3	49.7	40.4
Families maintained by males	1,814	212	39.2	60.8	54.2	1,832	239	34.3	64.9	59.4
With children under 18 years of age	612	89	44.9	55.1	50.6	624	88	42.0	56.8	51.1
Black										
Total families	6,392	984	39.3	60.7	52.0	6,465	1,156	39.5	60.4	52.1
With children under 18 years of age	3,944	641	41.3	58.7	51.4	3,901	743	43.9	56.3	48.6
Married-couple families	3,620	488	23.1	76.9	69.5	3,508	562	23.0	77.0	69.2
With children under 18 years of age	2,058	319	20.7	79.3	72.4	1,987	363	21.5	78.2	72.2
Families maintained by females	2,454	424	56.2	43.8	33.2	2,583	528	56.4	43.8	34.1
With children under 18 years of age	1,762	297	61.7	38.3	28.9	1,791	365	64.9	35.1	25.5
Families maintained by males	318	73	50.0	50.0	41.9	373	66	47.0	53.0	50.0
With children under 18 years of age	124	25	(1)	(1)	(1)	123	16	(1)	(1)	(1)
Hispanic origin										
Total families	3,032	392	35.3	64.7	58.6	3,185	473	32.6	67.4	59.8
With children under 18 years of age	2,105	283	37.9	62.1	56.4	2,212	340	35.6	64.4	56.8
Married-couple families	2,255	299	28.5	71.5	65.4	2,323	340	28.2	71.5	63.5
With children under 18 years of age	1,584	223	28.7	71.3	64.6	1,639	257	30.0	70.0	61.9
Families maintained by females	608	70	67.1	32.9	27.1	682	100	47.0	54.0	44.0
With children under 18 years of age	469	52	(1)	(1)	(1)	508	74	55.4	44.6	37.8
Families maintained by males	169	23	(1)	(1)	(1)	180	33	(1)	(1)	(1)
With children under 18 years of age	52	7	(1)	(1)	(1)	65	9	(1)	(1)	(1)

¹ Percent not shown where base is less than 60,000.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-73. Unemployed persons by family relationship, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

Family relationship, race, and Hispanic origin	I 1980				I 1981			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed persons in family	With at least one employed person in family	With at least one person in family employed full time		With no employed persons in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL								
Total unemployed.....	6,947	40.9	59.1	52.1	8,352	41.2	58.8	51.5
In families.....	5,916	30.6	69.4	61.2	7,100	30.8	69.2	60.6
Husbands.....	1,546	45.0	55.0	41.5	1,876	45.4	54.6	40.2
With children under 18 years of age.....	996	48.7	51.3	36.8	1,212	48.2	51.8	35.7
Wives.....	1,265	17.1	82.9	77.9	1,437	19.1	80.9	75.1
With children under 18 years of age.....	774	13.6	86.4	81.9	892	16.6	83.4	77.1
Relatives in married-couple families.....	1,596	9.1	90.9	85.9	1,930	8.3	91.7	86.8
Females who maintain families.....	454	83.5	16.5	10.3	538	79.6	20.4	12.0
With children under 18 years of age.....	381	90.1	9.9	5.6	435	85.7	14.3	7.1
Relatives in families maintained by females.....	745	32.2	67.8	56.8	976	34.4	65.6	55.7
Males who maintain families.....	125	74.0	26.0	19.6	126	65.4	34.6	25.8
With children under 18 years of age.....	59	(2)	(2)	(2)	54	(2)	(2)	(2)
Relatives in families maintained by males.....	184	22.5	77.5	69.5	217	24.7	75.3	70.9
Not in families ¹	1,031	--	--	--	1,252	--	--	--
White								
Total unemployed.....	5,460	38.7	61.3	54.3	6,645	39.4	60.6	53.2
In families.....	4,655	28.2	71.8	63.7	5,629	28.5	71.5	62.8
Husbands.....	1,339	45.1	54.9	40.5	1,623	45.5	54.5	39.4
With children under 18 years of age.....	848	49.1	50.9	35.3	1,043	48.6	51.4	33.8
Wives.....	1,081	15.9	84.1	79.2	1,232	19.1	80.9	75.2
With children under 18 years of age.....	650	12.5	87.5	83.3	746	17.0	83.0	77.1
Relatives in married-couple families.....	1,341	8.2	91.8	87.0	1,640	7.3	92.7	88.1
Females who maintain families.....	269	79.9	20.1	13.5	289	73.5	26.5	15.6
With children under 18 years of age.....	215	88.4	11.6	7.1	217	81.8	18.2	8.9
Relatives in families maintained by females.....	406	29.5	70.5	61.8	575	34.4	65.6	56.7
Males who maintain families.....	85	74.2	25.8	18.5	96	62.8	37.2	27.8
With children under 18 years of age.....	45	(2)	(2)	(2)	42	(2)	(2)	(2)
Relatives in families maintained by males.....	135	20.4	79.6	72.9	173	22.4	77.6	72.7
Not in families ¹	805	--	--	--	1,016	--	--	--
Black								
Total unemployed.....	1,338	49.3	50.7	43.0	1,565	48.2	51.8	44.9
In families.....	1,129	39.9	60.1	51.0	1,351	40.1	59.9	51.9
Husbands.....	174	41.3	58.7	49.5	222	42.9	57.1	48.0
With children under 18 years of age.....	123	42.1	57.9	49.0	148	43.6	56.4	50.1
Wives.....	149	23.4	76.6	70.2	175	19.3	80.7	73.8
With children under 18 years of age.....	103	19.4	80.6	74.3	129	13.5	86.5	77.9
Relatives in married-couple families.....	226	13.6	86.4	79.7	258	13.7	86.3	80.1
Females who maintain families.....	175	89.2	10.8	5.1	240	86.5	13.5	7.8
With children under 18 years of age.....	155	93.2	6.8	2.7	210	89.6	10.4	5.3
Relatives in families maintained by females.....	323	36.2	63.8	49.6	391	34.7	65.3	54.1
Males who maintain families.....	36	(2)	(2)	(2)	26	(2)	(2)	(2)
With children under 18 years of age.....	14	(2)	(2)	(2)	10	(2)	(2)	(2)
Relatives in families maintained by males.....	46	(2)	(2)	(2)	40	(2)	(2)	(2)
Not in families ¹	209	--	--	--	214	--	--	--
Hispanic origin								
Total unemployed.....	500	42.0	58.0	52.2	653	42.6	57.4	50.4
In families.....	449	35.5	64.5	58.1	563	33.5	66.5	58.4
Husbands.....	128	52.3	47.7	36.4	153	53.9	46.1	32.5
With children under 18 years of age.....	97	56.9	43.1	32.0	124	56.3	43.7	30.4
Wives.....	94	21.5	78.5	75.9	109	26.3	73.7	70.7
With children under 18 years of age.....	67	19.5	80.5	77.4	79	25.6	74.4	71.1
Relatives in married-couple families.....	122	11.5	88.5	83.6	149	9.4	90.6	82.5
Females who maintain families.....	42	(2)	(2)	(2)	37	(2)	(2)	(2)
With children under 18 years of age.....	36	(2)	(2)	(2)	33	(2)	(2)	(2)
Relatives in families maintained by females.....	40	(2)	(2)	(2)	78	30.1	69.9	62.5
Males who maintain families.....	5	(2)	(2)	(2)	19	(2)	(2)	(2)
With children under 18 years of age.....	3	(2)	(2)	(2)	6	(2)	(2)	(2)
Relatives in families maintained by males.....	19	(2)	(2)	(2)	19	(2)	(2)	(2)
Not in families ¹	51	--	--	--	90	--	--	--

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband is in the Armed Forces, persons in secondary families,

and some whose status is unknown.

² Percent not shown where base is less than 60,000.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-74. Employed persons by family relationship, race, Hispanic origin, and presence of additional employed family members

(Numbers in thousands)

Family relationship, race, and Hispanic origin	1 1980			1 1981				
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed person in family	With another employed person in family	With another person in family employed full time		With no other employed person in family	With another employed person in family	With another person in family employed full time
TOTAL								
Total employed	96,318	37.6	62.4	52.7	96,610	38.2	61.8	51.9
In families	82,082	26.8	73.2	61.8	81,809	27.1	72.9	61.3
Husbands	37,625	37.7	62.3	44.5	37,083	37.3	62.7	44.7
With children under 18 years of age	22,467	40.0	60.0	38.9	22,029	39.9	60.1	38.8
Wives	23,152	9.3	90.7	86.0	23,205	10.2	89.8	84.8
With children under 18 years of age	12,538	5.4	94.6	90.9	12,543	6.2	93.8	89.9
Relatives in married-couple families	10,668	5.7	94.3	90.7	10,641	5.8	94.2	89.8
Females who maintain families	4,663	65.4	34.6	22.5	4,819	67.3	32.7	20.7
With children under 18 years of age	3,157	76.9	23.1	11.5	3,253	79.7	20.3	9.5
Relatives in families maintained by females	3,400	27.8	72.2	61.4	3,385	28.2	71.8	60.6
Males who maintain families	1,562	55.7	44.3	33.7	638	58.7	41.3	29.9
With children under 18 years of age	625	71.6	28.4	16.2	1,603	74.5	25.5	11.2
Relatives in families maintained by males	1,112	16.8	83.2	76.4	1,072	17.8	82.2	75.6
Not in families ¹	14,236	--	--	--	14,801	--	--	--
White								
Total employed	85,602	37.0	63.0	52.9	85,816	37.6	62.4	52.2
In families	73,102	26.3	73.7	62.0	72,843	26.5	73.5	61.5
Husbands	34,378	38.2	61.8	43.5	33,965	37.6	62.4	43.8
With children under 18 years of age	20,350	40.7	59.3	37.4	19,977	40.5	59.5	37.3
Wives	20,682	8.9	91.1	86.4	20,883	9.7	90.3	85.3
With children under 18 years of age	11,057	4.8	95.2	91.2	11,114	5.6	94.4	90.6
Relatives in married-couple families	9,727	5.5	94.5	91.0	9,732	5.6	94.4	90.1
Females who maintain families	3,404	62.1	37.9	24.3	3,506	65.2	34.8	21.5
With children under 18 years of age	2,215	74.9	25.1	11.1	2,324	78.3	21.7	9.2
Relatives in families maintained by females	2,625	27.7	72.3	61.9	2,551	28.4	71.6	60.9
Males who maintain families	1,330	54.3	45.7	34.5	1,323	58.3	41.7	29.6
With children under 18 years of age	520	69.9	30.1	16.8	530	73.6	26.4	10.8
Relatives in families maintained by males	956	16.5	83.5	76.5	883	16.9	83.1	76.3
Not in families ¹	12,500	--	--	--	12,973	--	--	--
Black								
Total employed	8,983	43.7	56.3	49.1	8,996	45.1	54.9	47.5
In families	7,533	32.9	67.1	58.5	7,466	33.9	66.1	57.3
Husbands	2,677	33.3	66.7	55.1	2,532	33.6	66.4	55.0
With children under 18 years of age	1,743	33.3	66.7	54.8	1,654	34.4	65.6	54.1
Wives	1,938	14.4	85.6	81.2	1,871	16.1	83.9	78.1
With children under 18 years of age	1,203	10.4	89.6	85.7	1,144	11.5	88.5	82.9
Relatives in married-couple families	693	7.9	92.1	85.7	661	9.2	90.8	85.0
Females who maintain families	1,182	75.4	24.6	16.8	1,230	73.6	26.4	17.5
With children under 18 years of age	896	82.3	17.7	10.3	874	83.5	16.5	9.6
Relatives in families maintained by females	719	29.2	70.8	58.1	769	29.2	70.8	58.6
Males who maintain families	197	65.1	34.9	28.4	244	60.7	39.3	31.7
With children under 18 years of age	92	81.1	18.9	12.9	95	77.4	22.6	14.3
Relatives in families maintained by males	127	19.4	80.6	75.1	159	24.0	76.0	72.3
Not in families ¹	1,450	--	--	--	1,530	--	--	--
Hispanic origin								
Total employed	4,715	38.9	61.1	53.0	4,965	39.7	60.3	52.8
In families	4,074	29.3	70.7	61.4	4,287	30.2	69.8	61.2
Husbands	1,848	42.7	57.3	43.7	1,855	42.8	57.2	44.7
With children under 18 years of age	1,380	45.5	54.5	39.6	1,415	45.2	54.8	41.6
Wives	940	8.6	91.4	87.2	1,018	9.1	90.9	86.6
With children under 18 years of age	642	7.3	92.7	88.3	715	7.2	92.8	88.8
Relatives in married-couple families	593	5.5	94.5	89.7	641	8.1	91.9	87.0
Females who maintain families	255	66.7	33.3	23.8	290	71.2	28.8	21.1
With children under 18 years of age	190	77.6	22.4	13.5	207	81.6	18.4	10.3
Relatives in families maintained by females	184	23.3	76.7	64.1	215	29.9	70.1	59.7
Males who maintain families	133	49.4	50.6	42.9	136	49.3	50.7	41.5
With children under 18 years of age	45	(?)	(?)	(?)	54	(?)	(?)	(?)
Relatives in families maintained by males	121	8.7	91.3	87.3	132	75.3	24.7	16.7
Not in families ¹	641	--	--	--	678	--	--	--

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband is in the Armed Forces, persons in secondary families,

and some whose status is unknown.

² Percent not shown where base is less than 60,000.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-75. Median weekly earnings of families by type of family, number of earners, race, and Hispanic origin

Type of family, number of earners, race, and Hispanic origin	Number of families (in thousands)		Median weekly earnings			
	IV 1979	IV 1980	IV 1979	IV 1980	Percent change over the year in:	
					Current dollars	Constant dollars
TOTAL						
Total families with earners ¹	40,540	40,405	\$388	\$415	6.8	-5.1
Married-couple families.....	33,571	33,114	419	446	6.4	-5.5
One earner.....	14,183	14,319	305	320	5.2	-6.6
Husband.....	11,773	11,655	332	355	6.9	-5.7
Wife.....	1,826	2,054	156	157	.6	-10.6
Other family member.....	583	610	162	177	9.0	-3.2
Two or more earners.....	19,389	18,794	509	552	8.6	-3.6
Husband and wife.....	16,513	16,011	513	558	8.9	-3.3
Husband and other family member(s).....	2,417	2,268	518	554	6.9	-5.1
Wife and other family member(s).....	338	373	305	354	15.9	2.9
Other family members only.....	120	142	302	378	25.1	11.1
Families maintained by females.....	5,410	5,652	217	229	5.2	-6.6
One earner.....	3,766	4,012	178	190	6.4	-5.5
Householder.....	2,907	3,137	179	194	8.5	-3.7
Other family member.....	859	875	174	168	-3.6	-14.3
Two or more earners.....	1,644	1,641	351	379	8.0	-4.0
Families maintained by males.....	1,559	1,639	349	385	10.5	-1.9
One earner.....	902	996	286	305	6.7	-5.2
Two or more earners.....	657	643	491	509	3.7	-7.9
White						
Total families with earners ¹	35,464	35,247	401	426	6.3	-5.6
Married-couple families.....	30,257	29,909	425	451	6.2	-5.7
One earner.....	12,926	13,134	314	328	4.5	-7.2
Husband.....	10,887	10,810	339	363	6.9	-5.2
Wife.....	1,535	1,772	154	157	2.3	-9.2
Two or more earners.....	17,331	16,775	515	559	8.4	-3.7
Husband and wife.....	14,708	14,261	519	564	8.6	-3.5
Families maintained by females.....	3,928	4,056	229	234	2.4	-9.1
Families maintained by males.....	1,279	1,282	361	395	9.2	-3.0
Black						
Total families with earners ¹	4,382	4,466	290	316	9.0	-3.2
Married-couple families.....	2,753	2,673	349	382	9.5	-2.8
One earner.....	1,022	1,001	207	224	8.0	-4.1
Husband.....	707	700	233	262	12.6	.3
Wife.....	251	250	166	150	-9.3	-19.5
Two or more earners.....	1,731	1,672	454	480	5.7	-6.1
Husband and wife.....	1,535	1,461	461	491	6.6	-5.3
Families maintained by females.....	1,393	1,493	185	207	11.6	-9
Families maintained by males.....	237	301	297	346	16.6	3.6
Hispanic origin						
Total families with earners ¹	2,143	2,342	311	333	7.3	-5.1
Married-couple families.....	1,782	1,861	327	365	11.8	-7
One earner.....	848	905	224	234	4.3	-7.3
Husband.....	738	769	232	245	5.9	-6.1
Wife.....	70	94	(2)	(2)	--	--
Two or more earners.....	934	956	423	466	10.2	-2.1
Husband and wife.....	780	748	428	478	11.7	-4.8
Families maintained by females.....	252	327	188	201	7.4	-4.6
Families maintained by males.....	109	154	285	333	16.9	3.8

¹ Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is either self-employed or in the Armed Forces.
² Median not shown where base is less than 100,000.

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate these earnings data. Because the index for the most recent quarter is not available at the time *Employment and Earnings* is published, it is necessary to lag the publication of these tables by 1 quarter.

HOUSEHOLD DATA
QUARTERLY AVERAGES

A-76. Families with unemployed members and wage and salary workers by type of family and median weekly earnings

Type of family and relationship of unemployed members to wage and salary earners	Number of families (in thousands)		Median weekly earnings			
	IV 1979	IV 1980	IV 1979	IV 1980	Percent change over the year in:	
					Current dollars	Constant dollars
Married-couple families ¹	2,373	2,952	\$328	\$321	-1.9	-12.9
Husband unemployed	507	742	173	167	-3.5	-14.2
Wife only earner	380	600	156	153	-2.3	-13.3
Wife and other earner(s)	83	82	(2)	(2)	--	--
Other earner(s) only	43	59	(2)	(2)	--	--
Wife unemployed	935	1,046	316	313	-.8	-11.9
Husband only earner	782	898	299	298	-.5	-11.7
Husband and other earner(s)	136	131	486	477	-1.8	-12.8
Other earner(s) only	17	17	(2)	(2)	--	--
Other member(s) unemployed	932	1,165	467	470	.7	-10.6
Husband or wife earner	425	548	353	389	10.3	-2.0
Both husband and wife earners	488	565	567	592	4.5	-7.2
Other combinations of earners	19	52	(2)	(2)	--	--
Families maintained by females ¹	510	573	190	193	1.5	-9.8
Householder unemployed	62	87	(2)	(2)	--	--
Other member(s) unemployed	448	486	198	207	4.6	-7.1
Families maintained by males ¹	134	150	292	293	.1	-11.1

¹ Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is either self-employed or in the Armed Forces.

² Median not shown where base is less than 100,000.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-77. Median weekly earnings of full-time wage and salary workers by selected characteristics

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	IV 1979	IV 1980	IV 1979	IV 1980	Percent change over the year in	
					Current dollars	Constant dollars
SEX AND AGE						
Total, 18 years and over	71,410	73,367	\$253	\$277	9.5	-2.7
Males, 18 years and over	43,638	42,538	310	335	8.0	-4.1
18 to 24 years	7,887	7,146	211	221	4.6	-7.1
25 years and over	35,751	35,392	333	359	8.1	-4.0
Females, 18 years and over	27,772	27,829	192	211	9.9	-2.4
18 to 24 years	6,163	5,865	161	176	9.6	-2.6
25 years and over	21,609	21,964	204	223	9.3	-2.9
FAMILY RELATIONSHIP						
Husbands	30,398	29,579	335	361	8.0	-4.1
Wives	14,794	14,672	194	213	9.9	-2.4
Others in married-couple families	6,127	5,952	178	192	8.3	-3.8
Females who maintain families	3,652	3,766	196	213	8.7	-3.4
Others in such families	2,357	2,298	187	197	5.4	-6.4
Males who maintain families	1,291	1,322	309	339	9.5	-2.8
Others in such families	827	847	197	201	1.8	-9.6
All other males ¹	6,483	6,388	284	315	11.0	-1.5
All other females ¹	5,485	5,543	212	232	9.6	-2.6
RACE AND HISPANIC ORIGIN						
White	62,538	61,656	262	285	9.0	-3.1
Males	38,794	37,818	318	342	7.6	-4.4
Females	23,744	23,838	194	213	10.1	-2.2
Black	7,545	7,323	208	225	8.0	-4.1
Males	4,122	3,973	236	257	9.2	-3.0
Females	3,424	3,349	178	194	8.5	-3.7
Hispanic origin	3,757	4,062	203	218	7.4	-4.6
Males	2,402	2,570	228	241	5.8	-6.1
Females	1,355	1,493	164	183	11.5	-1.0

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in some whose family status is unknown, married-couple families where the husband is in the Armed Forces, persons in secondary families, and

HOUSEHOLD DATA
QUARTERLY AVERAGES

A-78. Median weekly earnings of part-time wage and salary workers by selected characteristics

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	IV 1979	IV 1980	IV 1979	IV 1980	Percent change over the year in:	
					Current dollars	Constant dollars
SEX AND AGE						
Total, 16 years and over	15,378	15,833	\$68	\$73	7.5	-4.5
Males, 16 years and over	4,740	4,958	65	68	5.3	-6.5
16 to 24 years	3,017	3,139	58	61	4.5	-7.2
25 years and over	1,723	1,818	84	92	8.9	-3.3
Females, 16 years and over	10,638	10,875	69	75	7.7	-4.4
16 to 24 years	3,732	3,914	56	60	8.3	-3.8
25 years and over	6,906	6,962	79	85	7.6	-4.4
FAMILY RELATIONSHIP						
Husbands	1,220	1,314	85	92	8.1	-3.9
Wives	5,769	5,602	81	89	9.3	-2.9
Others in married-couple families	4,499	4,563	53	55	2.8	-8.7
Females who maintain families	694	817	73	80	9.2	-3.0
Others in such families	907	1,029	56	60	6.2	-5.6
Males who maintain families	75	100	(2)	84	--	--
Others in such families	270	306	60	73	22.6	8.9
All other males ¹	680	752	87	91	4.5	-7.2
All other females ¹	1,264	1,350	72	77	6.8	-5.2
RACE AND HISPANIC ORIGIN						
White	13,743	14,123	68	73	7.2	-4.8
Males	4,203	4,385	65	68	4.7	-7.0
Females	9,540	9,738	70	75	7.7	-4.4
Black	1,354	1,468	63	70	11.6	-1.8
Males	439	481	63	74	17.5	4.4
Females	915	987	62	69	10.9	-1.5
Hispanic origin	570	659	67	77	15.1	2.2
Males	220	266	68	74	9.1	-3.1
Females	350	393	66	80	23.0	6.6

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband is in the Armed Forces, persons in secondary families, and

some whose family status is unknown.

² Median not shown where base is less than 100,000.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-79. Median weekly earnings of full-time wage and salary workers by occupation and sex

Occupation and sex	Number of workers (in thousands)		Median weekly earnings			
	IV 1979	IV 1980	IV 1979	IV 1980	Percent change over the year in:	
					Current dollars	Constant dollars
TOTAL						
Professional and technical workers	12,089	12,465	\$328	\$358	9.2	-3.0
Managers and administrators, except farm	7,385	7,611	366	390	6.7	-5.3
Sales workers	3,424	3,491	262	299	14.2	1.4
Clerical workers	13,585	13,521	204	222	9.3	-2.9
Craft and kindred workers	10,842	10,418	316	340	7.6	-4.4
Operatives, except transport	10,227	9,393	215	230	6.7	-5.2
Transport equipment operatives	2,952	2,727	285	295	3.4	-8.1
Nonfarm laborers	3,040	3,000	212	225	6.1	-5.8
Service workers	7,119	6,996	171	185	8.3	-3.8
Farm workers	748	746	172	178	3.8	-7.8
Males						
Professional and technical workers	6,934	7,022	379	424	11.9	-0.6
Managers and administrators, except farm	5,514	5,523	415	444	7.2	-4.8
Sales workers	2,212	2,273	319	350	9.8	-2.5
Clerical workers	3,041	2,918	296	314	6.1	-5.7
Craft and kindred workers	10,264	9,874	323	346	7.2	-4.8
Operatives, except transport	6,169	5,726	259	284	9.8	-2.5
Transport equipment operatives	2,786	2,600	293	300	2.2	-9.2
Nonfarm laborers	2,700	2,644	221	232	5.0	-6.8
Service workers	3,339	3,314	218	229	5.1	-6.7
Farm workers	678	653	177	181	2.4	-9.1
Females						
Professional and technical workers	5,154	5,443	277	300	8.2	-3.9
Managers and administrators, except farm	1,871	2,089	241	268	10.9	-1.5
Sales workers	1,212	1,218	158	179	13.2	.5
Clerical workers	10,544	10,603	190	206	8.8	-3.4
Craft and kindred workers	578	543	192	224	16.3	3.3
Operatives, except transport	4,057	3,667	165	177	7.4	-4.6
Transport equipment operatives	166	127	186	219	18.2	5.0
Nonfarm laborers	339	366	164	15	6.5	-5.4
Service workers	3,780	3,681	141	155	10.0	-2.2
Farm workers	69	93	(1)		--	--

¹ Median not shown where base is less than 100,000.

HOUSEHOLD DATA ANNUAL AVERAGES

1. Median weekly earnings of families by type of family, number of earners, race, and Hispanic origin

Type of family, number of earners, race, and Hispanic origin	Number of families (in thousands)		Median weekly earnings			
	1979	1980	1979	1980	Percent change over the year in:	
					Current dollars	Constant dollars
TOTAL						
Total families with earners ¹	40,613	40,395	\$377	\$405	7.6	-5.2
Married-couple families	33,701	33,199	406	437	7.5	-5.3
One earner	14,735	14,512	297	312	5.2	-7.2
Husband	12,372	11,886	322	344	6.8	-5.9
Wife	1,791	2,024	151	163	5.7	-6.8
Other family member	573	602	162	167	3.1	-9.1
Two or more earners	18,966	18,688	494	539	9.2	-3.8
Husband and wife	15,867	15,777	496	543	9.6	-3.4
Husband and other family member(s)	2,596	2,351	517	556	7.7	-5.1
Wife and other family member(s)	365	422	325	350	7.7	-5.1
Other family members only	138	137	322	362	12.7	-7.7
Families maintained by females	5,388	5,583	209	227	8.6	-4.3
One earner	3,750	3,940	171	188	10.1	-3.0
Householder	2,895	3,041	174	191	10.2	-2.9
Other family member	854	899	158	173	9.6	-3.4
Two or more earners	1,638	1,642	336	372	10.7	-2.5
Families maintained by males	1,524	1,614	338	365	7.9	-4.9
One earner	929	996	269	297	7.6	-5.2
Two or more earners	595	617	469	501	6.8	-5.9
White						
Total families with earners ¹	35,520	35,268	388	417	7.4	-5.3
Married-couple families	30,316	29,876	411	442	7.4	-5.3
One earner	13,406	13,220	305	321	5.2	-7.3
Husband	11,370	10,969	328	351	6.8	-5.9
Wife	1,527	1,712	151	162	7.1	-5.6
Two or more earners	16,909	16,656	499	546	9.4	-3.6
Husband and wife	14,090	14,029	500	549	9.8	-3.2
Families maintained by females	3,950	4,080	221	237	6.9	-5.8
Families maintained by males	1,254	1,311	350	378	7.9	-4.9
Black						
Total families with earners ¹	4,403	4,448	280	303	8.4	-4.4
Married-couple families	2,824	2,783	343	369	7.6	-5.2
One earner	1,108	1,094	211	214	1.2	-10.8
Husband	825	759	234	245	4.8	-7.6
Wife	232	278	154	149	-3.3	-14.8
Two or more earners	1,716	1,690	441	473	7.2	-5.5
Husband and wife	1,486	1,462	452	483	6.9	-5.8
Families maintained by females	1,341	1,405	177	195	10.3	-2.8
Families maintained by males	238	259	282	314	11.2	-2.0
Hispanic origin						
Total families with earners ¹	2,172	2,302	300	325	8.1	-4.7
Married-couple families	1,799	1,827	320	347	8.5	-4.3
One earner	876	887	224	234	4.8	-7.6
Husband	757	765	235	248	5.3	-7.2
Wife	85	93	135	145	7.5	-5.3
Two or more earners	923	940	420	459	9.3	-3.7
Husband and wife	747	743	424	467	10.0	-3.0
Families maintained by females	263	324	180	213	18.2	4.2
Families maintained by males	110	152	269	327	21.9	7.5

¹ Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is either self-employed or in the Armed Forces.

HOUSEHOLD DATA ANNUAL AVERAGES

2. Families with unemployed members and wage and salary workers by type of family and median weekly earnings

Type of family and relationship of unemployed members to wage and salary earners	Number of families (in thousands)		Median weekly earnings			
	1979	1980	1979	1980	Percent change over the year in:	
					Current dollars	Constant dollars
Married-couple families ¹	2,554	3,053	\$319	\$322	0.9	-11.1
Husband unemployed	533	823	170	172	1.1	-10.9
Wife only earner	402	637	156	162	3.7	-8.6
Wife and other earner(s)	73	100	322	338	4.9	-7.5
Other earner(s) only	58	86	165	138	-16.8	-26.7
Wife unemployed	941	1,021	299	318	6.1	-6.5
Husband only earner	811	865	280	302	7.8	-5.0
Husband and other earner(s)	119	137	481	471	-2.0	-13.6
Other earner(s) only	10	20	(2)	(2)	--	--
Other member(s) unemployed	1,380	1,208	451	478	5.9	-6.7
Husband or wife earner	518	574	349	389	11.2	-2.0
Both husband and wife earners	534	593	549	578	5.3	-7.2
Other combinations of earners	28	42	209	154	-26.2	-34.9
Families maintained by females ¹	491	569	192	213	11.3	-1.9
Householder unemployed	72	78	136	149	9.6	-3.4
Other member(s) unemployed	420	491	204	224	9.8	-3.2
Families maintained by males ¹	141	182	308	294	-4.5	-15.8

¹ Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is either self-employed or in the Armed Forces.

² Median not shown where base is less than 50,000.

3. Median weekly earnings of full-time wage and salary workers by selected characteristics

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	1979	1980	1979	1980	Percent change over the year in	
					Current dollars	Constant dollars
SEX AND AGE						
Total, 16 years and over	70,929	70,437	\$244	\$266	9.1	-3.9
Males, 16 years and over	43,791	42,846	298	322	8.0	-4.8
16 to 24 years	8,304	7,675	201	214	6.4	-6.2
25 years and over	35,487	35,171	322	346	7.4	-5.3
Females, 16 years and over	27,138	27,591	186	204	9.8	-3.2
16 to 24 years	6,285	6,081	153	171	11.6	-1.6
25 years and over	20,854	21,510	197	217	10.3	-2.8
FAMILY RELATIONSHIP						
Husbands	30,540	29,665	324	349	7.6	-5.2
Wives	14,148	14,333	189	208	9.7	-3.4
Others in married-couple families	6,684	6,383	169	184	8.6	-4.3
Females who maintain families	3,641	3,727	190	210	10.5	-2.6
Others in such families	2,380	2,361	176	193	9.8	-3.2
Males who maintain families	1,247	1,320	301	314	4.5	-7.9
Others in such families	800	838	184	198	7.5	-5.2
All other males ¹	6,180	6,296	273	298	9.1	-3.9
All other females ¹	5,309	5,515	202	222	10.0	-3.0
RACE AND HISPANIC ORIGIN						
White	62,201	61,807	249	273	9.6	-3.4
Males	38,971	38,178	306	329	7.8	-5.0
Females	23,230	23,629	187	206	10.2	-2.9
Black	7,419	7,294	204	219	7.3	-5.4
Males	4,107	3,946	233	247	6.3	-6.3
Females	3,312	3,348	174	190	8.8	-4.1
Hispanic origin	3,733	3,972	197	214	8.3	-4.6
Males	2,410	2,541	226	238	5.1	-7.4
Females	1,322	1,431	156	177	13.4	-1.1

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband is in the Armed Forces, persons in secondary families, and some whose family status is unknown.

HOUSEHOLD DATA ANNUAL AVERAGES

4. Median weekly earnings of part-time wage and salary workers by selected characteristics

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	1979	1980	1979	1980	Percent change over the year in:	
					Current dollars	Constant dollars
SEX AND AGE						
Total, 16 years and over	14,846	15,344	\$67	\$74	10.5	-2.6
Males, 16 years and over	4,599	4,795	64	71	11.0	-2.2
16 to 24 years	2,907	3,026	59	63	7.2	-5.5
25 years and over	1,692	1,768	83	90	8.6	-4.3
Females, 16 years and over	10,247	10,549	68	75	9.5	-3.5
16 to 24 years	3,614	3,661	57	62	8.7	-4.2
25 years and over	6,633	6,888	77	83	7.9	-4.9
FAMILY RELATIONSHIP						
Husbands	1,198	1,259	83	91	9.6	-3.4
Wives	5,436	5,547	79	86	7.9	-4.9
Others in married-couple families	4,411	4,463	55	60	9.9	-3.2
Females who maintain families	704	753	74	80	7.9	-4.9
Others in such families	909	997	57	62	8.4	-4.4
Males who maintain families	80	83	77	83	7.7	-5.1
Others in such families	235	259	61	73	19.4	5.3
All other males ¹	630	681	82	93	12.3	-1.0
All other females ¹	1,243	1,300	69	76	9.5	-3.5
RACE AND HISPANIC ORIGIN						
White	13,210	13,665	67	74	9.6	-3.4
Males	4,024	4,209	64	70	10.0	-3.1
Females	9,185	9,456	69	75	8.9	-4.0
Black	1,357	1,418	62	71	15.4	1.7
Males	455	487	62	75	19.7	5.5
Females	903	930	61	69	13.6	.1
Hispanic origin	566	637	68	79	17.3	3.4
Males	216	253	64	81	26.6	11.6
Females	350	385	70	79	13.0	-1.4

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband is in the Armed Forces, persons in secondary families, and

some whose family status is unknown.

² Median not shown where base is less than \$0,000.

5. Median weekly earnings of full-time wage and salary workers by occupation and sex

Occupation and sex	Number of workers (in thousands)		Median weekly earnings			
	1979	1980	1979	1980	Percent change over the year in:	
					Current dollars	Constant dollars
TOTAL						
Professional and technical workers	11,784	12,197	\$316	\$341	7.6	-5.2
Managers and administrators, except farm	7,326	7,501	349	380	9.0	-3.9
Sales workers	3,522	3,464	254	279	9.8	-3.3
Clerical workers	13,401	13,715	195	215	10.3	-2.8
Craft and kindred workers	10,864	10,507	303	328	8.0	-4.8
Operatives, except transport	9,883	9,232	211	225	6.6	-6.0
Transport equipment operatives	2,925	2,813	272	286	5.2	-7.3
Nonfarm laborers	3,333	3,159	206	220	6.7	-6.0
Service workers	7,134	7,108	164	180	9.3	-3.7
Farm workers	756	741	157	169	7.6	-5.1
Males						
Professional and technical workers	6,861	6,947	372	406	9.2	-3.8
Managers and administrators, except farm	5,478	5,472	399	435	9.0	-4.0
Sales workers	2,344	2,302	311	337	8.4	-4.5
Clerical workers	2,946	3,027	287	305	6.5	-6.1
Craft and kindred workers	10,308	9,953	310	334	7.8	-5.0
Operatives, except transport	6,030	5,601	253	275	8.4	-4.5
Transport equipment operatives	2,795	2,689	277	290	4.7	-7.7
Nonfarm laborers	2,987	2,811	213	227	6.6	-6.0
Service workers	3,380	3,398	208	224	7.7	-5.0
Farm workers	663	646	163	173	6.3	-6.3
Females						
Professional and technical workers	4,923	5,250	263	287	9.3	-3.7
Managers and administrators, except farm	1,848	2,029	235	257	9.4	-3.6
Sales workers	1,179	1,162	159	176	11.2	-2.0
Clerical workers	10,455	10,688	183	199	9.0	-4.0
Craft and kindred workers	557	555	188	213	13.6	.1
Operatives, except transport	3,854	3,631	159	174	9.0	-4.0
Transport equipment operatives	130	124	186	213	14.1	.5
Nonfarm laborers	347	348	159	172	8.0	-4.9
Service workers	3,754	3,710	139	149	7.3	-5.4
Farm workers	93	95	130	141	9.0	-3.9

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

B-1. Employees on nonagricultural payrolls by industry division, 1920 to date

(In thousands)

Year and month	Total	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
1920.....	27,340	12,760	1,239	863	10,658	14,580	3,998	4,467	-	-	1,160	2,352	2,603	-	-
1925.....	28,766	12,489	1,089	1,461	9,939	16,277	3,826	5,576	-	-	1,218	2,857	2,800	-	-
1926.....	29,806	12,911	1,185	1,570	10,156	16,895	3,942	5,784	-	-	1,290	3,033	2,846	-	-
1927.....	29,962	12,738	1,114	1,623	10,001	17,224	3,895	5,908	-	-	1,352	3,154	2,915	-	-
1928.....	29,986	12,618	1,050	1,621	9,947	17,368	3,828	5,874	-	-	1,420	3,251	2,995	-	-
1929.....	31,324	13,301	1,087	1,512	10,702	18,023	3,916	6,123	-	-	1,494	3,425	3,065	533	2,532
1930.....	29,409	11,958	1,009	1,387	9,562	17,451	3,685	5,797	-	-	1,460	3,361	3,148	526	2,622
1931.....	26,635	10,272	873	1,229	8,170	16,363	3,254	5,284	-	-	1,392	3,169	3,264	560	2,704
1932.....	23,615	8,647	731	985	6,931	14,968	2,816	4,683	-	-	1,326	2,918	3,225	559	2,666
1933.....	23,699	8,965	744	824	7,397	14,734	2,672	4,755	-	-	1,280	2,861	3,166	565	2,601
1934.....	25,940	10,261	883	877	8,501	15,679	2,750	5,281	-	-	1,304	3,045	3,299	652	2,647
1935.....	27,039	10,893	897	927	9,069	16,146	2,786	5,431	-	-	1,320	3,128	3,481	753	2,728
1936.....	29,068	11,933	946	1,160	9,827	17,135	2,973	5,809	-	-	1,373	3,312	3,668	826	2,842
1937.....	31,011	12,936	1,015	1,127	10,794	18,075	3,134	6,265	-	-	1,417	3,503	3,756	833	2,923
1938.....	29,194	11,401	891	1,070	9,440	17,793	2,863	6,179	-	-	1,410	3,458	3,883	829	3,054
1939.....	30,603	12,297	854	1,165	10,278	18,306	2,936	6,426	1,762	4,664	1,447	3,502	3,995	905	3,090
1940.....	32,361	13,221	925	1,311	10,985	19,140	3,038	6,750	1,835	4,914	1,485	3,665	4,202	996	3,206
1941.....	36,539	15,963	957	1,814	13,192	20,574	3,274	7,210	1,960	5,251	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	1,587	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	22,867	3,906	7,314	1,949	5,365	1,481	4,222	5,944	2,808	3,137
1946.....	41,652	17,248	862	1,683	14,703	24,404	4,061	8,376	2,291	6,084	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	26,092	4,189	9,272	2,605	6,667	1,800	5,181	5,650	1,863	3,787
1949.....	43,754	17,565	930	2,194	14,441	26,189	4,001	9,264	2,602	6,662	1,828	5,240	5,856	1,908	3,948
1950.....	45,197	18,506	901	2,364	15,241	26,691	4,034	9,386	2,635	6,751	1,888	5,357	6,026	1,928	4,098
1951.....	47,819	19,959	929	2,637	16,393	27,860	4,226	9,742	2,727	7,015	1,956	5,547	6,389	2,302	4,087
1952.....	48,793	20,198	898	2,668	16,632	28,595	4,248	10,004	2,812	7,192	2,035	5,699	6,609	2,420	4,188
1953.....	50,202	21,074	866	2,659	17,549	29,128	4,290	10,247	2,854	7,393	2,111	5,835	6,645	2,305	4,340
1954.....	48,990	19,751	791	2,646	16,314	29,239	4,084	10,235	2,867	7,368	2,200	5,969	6,751	2,188	4,563
1955.....	50,641	20,513	792	2,839	16,882	30,128	4,141	10,535	2,926	7,610	2,298	6,240	6,914	2,187	4,727
1956.....	52,369	21,104	822	3,039	17,243	31,266	4,244	10,858	3,018	7,840	2,389	6,497	7,278	2,209	5,069
1957.....	52,853	20,964	828	2,962	17,141	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 ¹	53,268	20,411	732	3,004	16,675	32,857	4,011	11,127	3,082	8,045	2,549	7,087	8,083	2,233	5,850
1960.....	54,189	20,434	712	2,926	16,796	33,755	4,004	11,391	3,143	8,248	2,629	7,378	8,353	2,270	6,083
1961.....	53,999	19,857	672	2,859	16,326	34,142	3,903	11,337	3,133	8,204	2,688	7,620	8,594	2,279	6,315
1962.....	55,549	20,451	650	2,948	16,853	35,098	3,906	11,566	3,198	8,368	2,754	7,982	8,890	2,340	6,550
1963.....	56,653	20,640	635	3,010	16,995	36,013	3,903	11,778	3,248	8,530	2,830	8,277	9,225	2,358	6,868
1964.....	58,283	21,005	634	3,097	17,274	37,278	3,951	12,160	3,337	8,823	2,911	8,660	9,596	2,348	7,248
1965.....	60,765	21,926	632	3,232	18,062	38,839	4,036	12,716	3,466	9,250	2,977	9,036	10,074	2,378	7,696
1966.....	63,901	23,158	627	3,317	19,214	40,743	4,158	13,245	3,597	9,648	3,058	9,498	10,784	2,564	8,220
1967.....	65,803	23,308	613	3,248	19,447	42,495	4,268	13,606	3,689	9,917	3,185	10,045	11,391	2,719	8,672
1968.....	67,897	23,737	606	3,350	19,781	44,160	4,318	14,099	3,779	10,320	3,337	10,567	11,839	2,737	9,102
1969.....	70,384	24,361	619	3,575	20,167	46,023	4,442	14,705	3,907	10,798	3,512	11,169	12,195	2,758	9,437
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	2,696	10,185
1972.....	73,675	23,668	628	3,889	19,151	50,007	4,541	15,949	4,113	11,836	3,908	12,276	13,334	2,684	10,649
1973.....	76,790	24,893	642	4,097	20,154	51,897	4,656	16,607	4,277	12,329	4,046	12,857	13,732	2,663	11,068
1974.....	78,265	24,794	697	4,020	20,077	53,471	4,725	16,987	4,433	12,554	4,148	13,441	14,170	2,724	11,446
1975.....	76,945	22,600	752	3,525	18,323	54,345	4,542	17,060	4,415	12,645	4,165	13,892	14,686	2,748	11,937
1976.....	79,382	23,352	779	3,576	18,997	56,030	4,582	17,755	4,546	13,209	4,271	14,551	14,871	2,733	12,138
1977.....	82,471	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	15,672	2,753	12,919
1979.....	89,886	26,504	960	4,483	21,062	63,382	5,141	20,269	5,204	15,066	4,974	17,078	15,920	2,773	13,147
1980.....	90,657	25,855	1,025	4,469	20,361	64,801	5,156	20,573	5,281	15,292	5,162	17,741	16,170	2,866	13,304
1980:.....															
JAN.....	90,316	25,939	996	4,150	20,793	64,377	5,143	20,226	5,269	14,957	5,085	17,478	16,445	2,869	13,576
APR.....	90,761	25,850	1,006	4,311	20,533	64,911	5,147	20,373	5,265	15,108	5,104	17,636	16,651	3,103	13,548
MAY.....	90,849	25,745	1,024	4,471	20,250	65,104	5,167	20,497	5,263	15,234	5,137	17,747	16,556	2,963	13,593
JUN.....	91,049	25,861	1,049	4,611	20,201	65,188	5,185	20,562	5,287	15,275	5,201	17,846	16,394	2,995	13,399
JUL.....	89,820	25,417	1,030	4,633	19,754	64,403	5,145	20,506	5,278	15,228	5,229	17,973	15,550	2,949	12,601
AUG.....	90,072	25,785	1,029	4,712	20,044	64,287	5,144	20,579	5,284	15,295	5,232	17,966	15,366	2,862	12,504
SEPT.....	90,729	25,994	1,035	4,690	20,269	64,735	5,170	20,692	5,291	15,401	5,194	17,915	15,764	2,754	13,010
OCT.....	91,332	26,041	1,039	4,700	20,302	65,291	5,178	20,708	5,313	15,395	5,204	17,949	16,252	2,774	13,478
NOV.....	91,693	26,041	1,055	4,618	20,368	65,652	5,158	20,937	5,313	15,624	5,215	17,951	16,391	2,776	13,615
DEC.....	91,846	25,811	1,064	4,431	20,316	66,035	5,163	21,313	5,318	15,995	5,229	17,978	16,352	2,782	13,570
1981:.....															
JAN.....	90,082	25,304	1,069	4,080	20,155	64,778	5,075	20,555	5,278	15,277	5,226	17,788	16,134	2,773	13,361
FEB.....	90,236	25,206	1,072	3,987	20,147	65,030	5,080	20,397	5,277	15,120	5,232	17,953	16,368	2,767	13,601
MAR.....	90,759	25,438	1,079	4,137	20,222	65,321	5,096	20,478	5,300	15,178	5,247	18,107	16,393	2,769	13,624

¹ Data include Alaska and Hawaii beginning 1959. This inclusion has resulted in an increase of 212,000 (0.4 percent) in nonagricultural total for the March 1959 benchmark month.

p=preliminary.

NOTE: Data from April 1979 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments"

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
-	TOTAL	89,781	90,316	90,082	90,236	90,759	-	-	-	-	-
-	PRIVATE SECTOR	73,489	73,871	73,948	73,868	74,366	59,784	60,106	59,896	59,808	60,274
-	MINING	987	996	1,069	1,072	1,079	735	740	793	794	802
10	METAL MINING	103.7	103.9	102.2	102.7	-	78.9	78.5	77.4	77.6	-
101	Iron ores	23.3	23.3	20.7	21.3	-	18.5	18.5	16.1	16.4	-
102	Copper ores	34.6	34.7	35.9	36.0	-	26.9	26.2	28.0	28.0	-
11, 12	COAL MINING	261.9	262.3	267.3	266.9	-	217.8	217.7	220.2	220.8	-
12	BITUMINOUS COAL AND LIGNITE MINING	258.6	259.1	264.0	263.6	-	214.9	214.9	217.2	217.8	-
13	OIL AND GAS EXTRACTION	508.4	513.6	595.1	597.9	-	350.3	353.2	416.2	417.4	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	205.3	207.1	229.8	232.6	-	93.5	93.6	101.8	102.1	-
138	Oil and gas field services	303.1	306.5	365.3	365.3	-	256.8	259.6	314.4	315.3	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	113.2	116.1	104.7	104.3	-	88.0	90.9	79.1	78.6	-
142	Crushed and broken stone	35.9	37.6	31.2	31.2	-	29.6	31.2	25.0	25.0	-
144	Sand and gravel	33.3	34.0	29.9	29.1	-	-	-	-	-	-
147	Chemical and fertilizer minerals	25.2	25.2	25.3	25.4	-	-	-	-	-	-
-	CONSTRUCTION	4,109	4,150	4,080	3,987	4,137	3,199	3,213	3,118	3,028	3,169
15	GENERAL BUILDING CONTRACTORS	1,135.5	1,134.9	1,117.1	1,084.0	-	856.1	856.2	825.0	793.4	-
152	Residential building construction	524.5	515.4	528.0	511.6	-	375.5	367.4	374.2	358.1	-
153	Operative builders	77.2	75.1	67.0	65.9	-	47.7	46.1	36.8	35.2	-
154	Nonresidential building construction	533.8	544.4	522.1	506.5	-	432.9	442.7	414.0	400.1	-
16	HEAVY CONSTRUCTION CONTRACTORS	760.8	786.1	721.6	701.8	-	612.1	614.6	560.1	543.4	-
161	Highway and street construction	191.1	203.9	177.3	169.5	-	151.7	163.9	140.7	132.5	-
162	Heavy construction, except highway	569.7	582.2	544.3	532.3	-	460.4	450.7	419.4	410.9	-
17	SPECIAL TRADE CONTRACTORS	2,212.3	2,229.4	2,241.3	2,201.3	-	1,730.8	1,741.8	1,733.0	1,691.3	-
171	Plumbing, heating, air conditioning	559.1	560.1	580.6	572.3	-	422.8	420.6	431.6	423.7	-
172	Painting, paper hanging, decorating	138.4	138.3	131.2	129.3	-	112.8	113.1	106.0	103.4	-
173	Electrical work	416.7	415.9	430.4	424.9	-	324.4	322.2	330.3	324.4	-
174	Masonry, stonework, and plastering	349.0	357.1	352.0	356.2	-	297.1	304.0	297.5	300.5	-
175	Carpentering and flooring	119.1	118.4	118.6	116.5	-	89.4	88.2	87.5	84.8	-
176	Roofing and sheet metal work	148.8	153.1	149.1	143.0	-	116.4	120.8	116.3	110.4	-
-	MANUFACTURING	20,730	20,793	20,155	20,147	20,222	14,678	14,727	14,049	14,045	14,129
24, 25, 32-39	DURABLE GOODS	12,599	12,647	12,110	12,078	12,136	8,869	8,909	8,342	8,314	8,377
20-23, 26-31	NONDURABLE GOODS	8,131	8,146	8,045	8,069	8,086	5,809	5,818	5,707	5,731	5,752
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	718.9	716.9	668.1	667.7	670.5	605.8	603.0	556.9	556.2	557.8
241	Logging camps and logging contractors	84.1	80.8	78.7	78.8	-	69.1	65.7	62.3	62.2	-
242	Sawmills and planing mills	224.8	225.6	205.2	205.1	-	200.1	201.0	180.7	180.5	-
2421	Sawmills and planing mills, general	186.6	186.9	170.6	171.1	-	166.4	166.8	150.8	151.1	-
2426	Hardwood dimension and flooring	31.2	31.6	28.5	28.5	-	27.2	27.6	24.5	24.6	-
243	Millwork, plywood, and structural members	208.0	207.0	200.7	199.1	-	172.0	170.6	166.2	164.9	-
2431	Millwork	72.8	72.7	69.1	67.8	-	58.7	58.5	55.6	54.5	-
2434	Wood kitchen cabinets	48.3	47.5	45.4	45.5	-	40.3	39.3	36.6	36.7	-
2435	Hardwood veneer and plywood	27.1	27.4	27.0	27.2	-	24.1	24.3	23.7	23.8	-
2436	Softwood veneer and plywood	44.4	44.3	44.4	44.7	-	38.0	37.7	39.3	39.7	-
244	Wooden containers	44.5	45.1	41.7	42.1	-	38.8	39.2	36.0	36.4	-
245	Wood buildings and mobile homes	73.8	73.8	62.6	62.5	-	56.4	56.3	45.8	45.4	-
2451	Mobile homes	53.8	53.0	44.8	44.7	-	43.0	42.2	34.1	33.6	-
249	Miscellaneous wood products	83.7	84.6	79.2	80.1	-	69.4	70.2	65.9	66.8	-
25	FURNITURE AND FIXTURES	494.6	494.1	475.0	477.0	478.2	402.5	401.9	383.8	385.5	385.8
251	Household furniture	325.4	324.5	312.1	314.3	-	274.8	274.1	262.2	264.0	-
2511	Wood household furniture	147.1	146.8	144.0	144.6	-	128.4	128.1	125.0	125.5	-
2512	Upholstered household furniture	100.3	99.8	96.3	96.8	-	83.4	83.1	79.0	79.5	-
2514	Metal household furniture	32.4	32.0	30.1	30.5	-	26.5	26.2	24.7	25.1	-
2515	Mattresses and bedsprings	30.5	30.5	27.8	28.4	-	23.3	23.2	21.4	21.8	-
252	Office furniture	50.5	50.7	50.7	50.8	-	40.0	40.1	39.7	39.8	-
253	Public building and related furniture	25.7	26.1	24.7	24.8	-	19.0	19.3	18.3	18.4	-
254	Partitions and fixtures	63.9	63.9	59.5	59.1	-	48.3	48.3	44.2	44.0	-
259	Miscellaneous furniture and fixtures	29.1	28.9	28.0	28.0	-	20.4	20.1	19.4	19.3	-

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 ¹				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
32	STONE, CLAY, AND GLASS PRODUCTS	674.7	679.0	637.4	632.4	641.5	525.2	529.5	488.4	483.6	492.7
321	Flat glass	18.6	19.0	19.3	19.2	-	14.5	14.9	14.7	14.6	-
322	Glass and glassware, pressed or blown	129.5	130.1	123.6	123.0	-	110.1	110.9	103.7	103.1	-
3221	Glass containers	70.6	71.2	66.9	66.6	-	61.9	62.5	58.2	57.9	-
3229	Pressed and blown glass, nec	58.9	58.9	56.7	56.4	-	48.2	48.4	45.5	45.2	-
323	Products of purchased glass	46.4	46.4	46.3	46.6	-	34.7	34.5	32.1	32.3	-
324	Cement, hydraulic	32.2	32.2	30.5	30.3	-	25.6	25.8	23.9	23.6	-
325	Structural clay products	47.6	48.1	42.2	41.4	-	36.0	36.5	31.7	31.0	-
326	Pottery and related products	47.7	47.8	43.3	43.1	-	39.6	39.8	35.9	35.8	-
327	Concrete, gypsum, and plaster products	192.8	195.5	180.3	175.8	-	146.3	148.8	135.8	131.5	-
3271	Concrete block and brick	20.7	21.1	19.2	18.4	-	14.0	14.5	13.1	12.2	-
3272	Concrete products, nec	65.4	65.8	59.6	59.6	-	49.3	49.6	44.1	43.9	-
3273	Ready-mixed concrete	85.0	87.2	81.3	77.6	-	65.3	67.3	62.3	59.1	-
329	Misc. nonmetallic mineral products	147.4	147.4	140.3	141.1	-	108.5	108.3	101.4	102.2	-
3291	Abrasive products	29.9	30.0	28.5	28.4	-	20.5	20.4	19.3	19.2	-
3292	Asbestos products	20.9	20.8	19.2	19.2	-	16.1	16.0	14.9	14.9	-
3296	Mineral wool	33.1	33.0	32.5	32.1	-	-	-	-	-	-
33	PRIMARY METAL INDUSTRIES	1,205.1	1,203.7	1,125.5	1,125.1	1,127.5	938.4	936.5	867.7	866.6	869.1
331	Blast furnace and basic steel products	541.8	541.3	505.3	505.9	-	423.5	423.3	392.4	393.3	-
3312	Blast furnaces and steel mills	454.4	453.6	423.7	423.8	-	356.4	355.9	330.5	330.7	-
3317	Steel pipe and tubes	29.0	29.1	28.8	29.1	-	22.3	22.5	22.2	22.5	-
332	Iron and steel foundries	222.5	221.7	199.6	200.2	-	180.3	179.5	160.1	160.3	-
3321	Gray iron foundries	131.5	130.6	118.6	118.3	-	108.3	107.4	96.7	96.5	-
3322	Malleable iron foundries	18.7	18.9	15.4	15.6	-	14.6	14.9	12.0	12.1	-
3325	Steel foundries, nec	59.5	59.3	53.0	53.6	-	47.5	47.3	42.2	42.4	-
333	Primary nonferrous metals	70.8	70.9	69.6	69.0	-	54.2	54.2	52.6	52.0	-
3334	Primary aluminum	36.1	36.1	35.4	35.1	-	28.5	28.4	27.4	27.0	-
335	Nonferrous rolling and drawing	219.6	219.9	210.5	208.7	-	160.3	160.0	151.4	149.4	-
3351	Copper rolling and drawing	33.1	33.0	28.3	28.9	-	25.2	25.3	21.1	21.7	-
3353	Aluminum sheet, plate, and foil	36.5	37.0	36.9	36.7	-	28.0	28.1	28.4	28.2	-
3357	Nonferrous wire drawing and insulating	91.2	91.8	89.7	87.1	-	67.2	67.6	64.7	62.3	-
336	Nonferrous foundries	97.8	97.1	88.5	89.0	-	79.6	78.8	71.5	71.8	-
3361	Aluminum foundries	57.4	57.0	52.3	52.4	-	47.6	47.2	43.2	43.2	-
34	FABRICATED METAL PRODUCTS	1,699.4	1,703.8	1,598.6	1,596.7	1,605.5	1,275.7	1,279.2	1,181.9	1,180.6	1,189.9
341	Metal cans and shipping containers	79.6	79.4	73.8	75.0	-	67.2	67.1	61.9	63.2	-
3411	Metal cans	65.3	64.9	60.0	60.9	-	55.6	55.2	50.8	51.9	-
342	Cutlery, hand tools, and hardware	180.0	180.8	169.7	170.3	-	138.7	139.7	130.9	131.1	-
3423,5	Hand and edge tools, and hand saws and blades	64.4	63.8	59.0	59.3	-	50.2	49.9	45.5	45.6	-
3429	Hardware, nec	99.8	101.1	96.4	96.5	-	77.0	78.3	73.9	74.0	-
343	Plumbing and heating, except electric	76.2	75.6	67.3	67.0	-	56.3	55.7	48.2	48.3	-
3432	Plumbing fittings and brass goods	28.5	28.6	24.9	25.1	-	23.4	23.6	19.8	20.1	-
3433	Heating equipment, except electric	36.3	35.7	30.8	30.5	-	24.9	24.3	20.3	20.3	-
344	Fabricated structural metal products	529.3	527.3	511.5	506.9	-	370.9	368.3	350.9	346.4	-
3441	Fabricated structural metal	109.5	108.9	102.8	101.2	-	79.6	79.1	74.3	72.7	-
3442	Metal doors, sash, and trim	84.5	84.5	82.7	81.1	-	62.2	61.9	60.3	58.7	-
3443	Fabricated plate work (boiler shops)	149.7	149.3	148.6	148.0	-	95.3	94.7	91.0	90.4	-
3444	Sheet metal work	113.9	113.0	108.7	107.9	-	84.2	83.1	78.9	78.3	-
3446	Architectural metal work	32.7	32.6	33.5	33.5	-	23.7	23.5	23.6	23.4	-
345	Screw machine products, bolts, etc.	116.6	116.5	104.4	105.0	-	91.5	91.3	80.6	81.1	-
3451	Screw machine products	55.3	55.2	50.0	50.1	-	45.7	45.5	40.5	40.5	-
3452	Bolts, nuts, rivets, and washers	61.3	61.3	54.4	54.9	-	45.8	45.8	40.1	40.6	-
346	Metal forgings and stampings	281.0	286.7	255.2	253.8	-	223.3	228.7	199.7	198.8	-
3462	Iron and steel forgings	55.8	56.0	50.1	50.9	-	44.0	44.0	38.5	39.3	-
3465	Automotive stampings	94.0	99.3	83.1	80.5	-	76.3	81.5	67.7	65.3	-
3469	Metal stampings, nec	119.7	119.9	110.7	111.2	-	94.0	94.2	84.7	85.5	-
347	Metal services, nec	110.1	111.5	108.3	109.0	-	89.3	90.6	86.9	87.6	-
3471	Plating and polishing	73.9	74.7	71.9	72.1	-	60.5	61.2	58.5	58.6	-
3479	Metal coating and allied services	36.2	36.8	36.4	36.9	-	28.8	29.4	28.4	29.0	-
348	Ordinance and accessories, nec	62.7	62.0	59.4	58.8	-	42.3	41.7	39.5	39.0	-
3483	Ammunition, exc. for small arms, nec	28.0	27.6	28.1	27.9	-	19.1	18.7	19.4	19.4	-
349	Misc. fabricated metal products	263.9	264.0	249.0	250.9	-	196.2	196.1	183.3	185.1	-
3494	Valves and pipe fittings	107.4	107.9	102.3	103.1	-	74.0	74.7	70.0	70.6	-
3496	Misc. fabricated wire products	56.1	56.1	52.5	52.6	-	44.4	44.2	41.0	41.1	-
35	MACHINERY, EXCEPT ELECTRICAL	2,536.5	2,539.9	2,491.3	2,500.3	2,504.5	1,659.0	1,657.3	1,589.1	1,597.1	1,603.9
351	Engines and turbines	141.4	139.5	132.4	131.5	-	92.9	91.6	86.1	85.4	-
3511	Turbines and turbine generator sets	39.8	39.7	38.8	39.0	-	20.1	20.1	20.8	21.0	-
3519	Internal combustion engines, nec	101.6	99.8	93.6	92.5	-	72.8	71.5	65.3	64.4	-
352	Farm and garden machinery	177.3	175.5	173.9	174.9	-	125.5	122.6	121.7	122.3	-
3523	Farm machinery and equipment	153.6	152.4	152.2	152.9	-	108.6	106.2	105.8	106.3	-
353	Construction and related machinery	399.3	402.2	394.0	398.4	-	264.4	266.0	256.7	262.0	-
3531	Construction machinery	163.1	164.6	148.5	151.2	-	110.3	111.5	98.3	101.9	-

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 ¹				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
MACHINERY, EXCEPT ELECTRICAL—Continued											
3532	Mining machinery	35.4	35.4	34.9	35.0	-	22.7	22.2	21.6	21.6	-
3533	Oil field machinery	90.8	92.1	104.8	106.2	-	61.9	63.0	71.9	73.3	-
3535	Conveyers and conveying equipment	33.4	33.2	32.7	32.7	-	19.1	18.9	18.2	18.2	-
3537	Industrial trucks and tractors	40.7	40.9	38.0	38.4	-	27.6	27.8	24.9	25.4	-
354	Metalworking machinery	380.2	381.5	364.7	363.6	-	281.0	281.7	264.8	263.7	-
3541	Machine tools, metal cutting types	80.4	80.4	79.1	78.6	-	54.5	54.5	52.2	51.4	-
3542	Machine tools, metal forming types	28.0	28.1	26.7	26.4	-	18.4	18.4	16.9	16.7	-
3544	Special dies, tools, jigs, and fixtures	137.3	137.8	132.2	132.5	-	110.4	110.5	105.2	105.7	-
3545	Machine tool accessories	72.2	72.7	69.7	69.6	-	51.9	52.3	49.4	49.2	-
3546	Power driven hand tools	36.8	37.0	33.4	32.8	-	28.8	29.0	25.7	25.2	-
355	Special industry machinery	210.6	212.2	206.0	205.4	-	136.2	137.0	130.5	130.2	-
3551	Food products machinery	47.7	48.3	46.2	45.7	-	31.1	31.2	29.5	29.3	-
3552	Textile machinery	28.2	28.2	26.3	26.2	-	20.2	20.3	18.5	18.4	-
3555	Printing trades machinery	39.1	39.2	42.0	41.9	-	24.4	24.5	26.0	26.0	-
356	General industrial machinery	333.7	333.4	318.1	318.9	-	221.7	220.7	205.4	206.5	-
3561	Pumps and pumping equipment	64.4	63.9	61.1	61.4	-	39.4	38.5	35.1	35.1	-
3562	Ball and roller bearings	61.0	60.9	59.1	59.4	-	48.1	48.3	46.0	46.2	-
3563	Air and gas compressors	31.8	31.7	30.3	30.1	-	19.0	18.9	18.0	18.0	-
3564	Blowers and fans	43.6	43.9	41.3	41.8	-	26.8	27.0	25.6	25.9	-
3566	Speed changers, drives, and gears	27.3	27.3	25.8	25.8	-	18.8	18.7	17.0	17.0	-
3568	Power transmission equipment, nec	24.5	24.4	21.5	21.6	-	17.6	17.5	15.0	15.1	-
357	Office and computing machines	421.4	422.2	443.3	444.1	-	185.9	185.1	185.6	184.3	-
3573	Electronic computing equipment	342.4	344.6	364.9	366.2	-	139.4	139.6	142.7	146.2	-
358	Refrigeration and service machinery	183.0	183.2	173.5	176.2	-	127.7	128.2	119.5	122.1	-
3585	Refrigeration and heating equipment	124.7	124.4	117.4	119.4	-	87.7	87.5	81.7	83.6	-
359	Misc. machinery, except electrical	289.6	290.2	285.4	287.3	-	223.7	224.4	218.8	220.6	-
3592	Carburetors, pistons, rings, valves	42.3	42.1	39.7	40.4	-	33.7	33.6	32.0	32.7	-
3599	Machinery, except electrical, nec	247.3	248.1	245.7	246.9	-	190.0	190.8	186.8	187.9	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	2,157.7	2,167.7	2,140.1	2,140.9	2,146.6	1,400.0	1,406.5	1,349.1	1,350.9	1,355.3
361	Electric distributing equipment	124.2	123.6	117.3	117.4	-	87.7	87.3	82.2	82.2	-
3612	Transformers	55.5	55.1	50.8	50.8	-	39.2	38.9	35.2	35.5	-
3613	Switchgear and switchboard apparatus	68.7	68.5	66.5	66.6	-	48.5	48.4	47.0	46.7	-
362	Electrical industrial apparatus	249.9	249.4	234.9	235.9	-	179.0	178.0	166.2	167.2	-
3621	Motors and generators	128.1	127.7	120.1	119.9	-	97.0	96.4	91.7	92.1	-
3622	Industrial controls	71.9	72.0	68.5	68.7	-	45.8	45.7	42.4	42.2	-
363	Household appliances	177.0	178.3	174.5	174.8	-	140.2	141.6	139.3	139.9	-
3632	Household refrigerators and freezers	38.3	38.4	38.9	40.7	-	31.0	31.1	32.1	33.8	-
3633	Household laundry equipment	23.7	23.5	22.5	22.1	-	18.7	18.6	17.8	17.4	-
3634	Electric housewares and fans	51.6	53.0	50.8	50.4	-	41.4	42.8	41.1	40.7	-
364	Electric lighting and wiring equipment	223.7	224.2	207.8	208.0	-	167.7	168.5	153.9	154.2	-
3641	Electric lamps	37.1	36.9	34.3	33.8	-	32.8	32.5	30.3	29.9	-
3643	Current-carrying wiring devices	94.4	94.4	89.9	90.6	-	65.9	66.3	61.9	62.4	-
3644	Noncurrent-carrying wiring devices	25.2	25.4	24.1	24.5	-	18.2	18.5	17.3	17.6	-
3645	Residential lighting fixtures	25.4	25.9	23.0	23.1	-	19.6	19.8	17.3	17.5	-
365	Radio and TV receiving equipment	110.0	110.4	107.2	107.4	-	79.8	80.5	76.6	76.4	-
3651	Radio and TV receiving sets	85.5	85.8	84.6	84.7	-	60.3	60.7	59.0	58.8	-
366	Communication equipment	547.0	549.7	555.9	555.5	-	275.9	277.5	271.7	272.8	-
3661	Telephone and telegraph apparatus	176.8	178.2	169.2	169.1	-	124.3	124.7	112.9	112.7	-
3662	Radio and TV communication equipment	370.2	371.5	386.7	386.4	-	151.6	152.8	158.8	160.1	-
367	Electronic components and accessories	556.5	559.1	565.1	565.7	-	347.0	347.4	330.3	330.3	-
3671-3	Electronic tubes	44.8	44.9	46.2	46.4	-	28.1	28.3	28.5	28.9	-
3674	Semiconductors and related devices	215.1	216.7	231.0	231.1	-	100.1	100.0	96.0	95.5	-
3679	Electronic components, nec	217.4	218.3	216.0	216.4	-	155.1	155.1	150.3	150.4	-
369	Misc. electrical equipment and supplies	159.4	173.0	177.4	176.2	-	122.7	125.7	128.9	127.9	-
3691	Storage batteries	29.6	31.8	35.1	34.0	-	22.8	24.3	27.8	26.9	-
3694	Engine electrical equipment	79.8	81.3	82.9	82.3	-	60.4	62.0	63.2	62.7	-
37	TRANSPORTATION EQUIPMENT	1,983.1	2,005.6	1,872.0	1,833.4	1,854.7	1,316.1	1,341.1	1,214.2	1,181.2	1,205.3
371	Motor vehicles and equipment	857.6	877.4	744.4	708.8	-	634.8	660.0	554.8	521.6	-
3711	Motor vehicles and car bodies	388.5	414.1	324.6	300.7	-	268.3	297.9	228.9	205.8	-
3713	Truck and bus bodies	43.0	41.4	34.8	34.2	-	33.8	32.3	26.1	25.8	-
3714	Motor vehicle parts and accessories	390.6	386.1	352.6	341.6	-	305.9	302.8	275.7	265.6	-
3715,8	Truck trailers and motor homes	35.5	35.8	32.4	32.3	-	26.8	27.0	24.1	24.4	-
372	Aircraft and parts	649.8	653.4	669.1	664.1	-	358.8	360.8	364.5	362.1	-
3721	Aircraft	351.8	353.7	364.0	361.8	-	177.8	178.5	182.1	182.5	-
3724	Aircraft engines and engine parts	161.7	162.3	165.9	163.5	-	93.8	94.3	94.9	93.2	-
3728	Aircraft equipment, nec	136.3	137.4	139.2	138.8	-	87.2	88.0	87.5	86.4	-
373	Ship and boat building and repairing	220.7	219.5	217.1	221.5	-	176.4	174.8	172.6	176.7	-
3731	Ship building and repairing	173.1	172.8	173.0	175.5	-	137.0	136.7	136.2	138.4	-
3732	Boat building and repairing	47.6	46.7	44.1	46.0	-	39.4	38.1	36.4	38.3	-
374	Railroad equipment	74.2	73.6	57.0	55.6	-	57.2	56.5	41.3	40.3	-
376	Guided missiles, space vehicles, parts	108.0	108.9	118.4	117.6	-	34.9	35.3	35.9	35.7	-
3761	Guided missiles and space vehicles	85.8	86.4	94.5	93.9	-	25.9	26.3	27.1	27.1	-

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 ¹				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
TRANSPORTATION EQUIPMENT—Continued											
379	Miscellaneous transportation equipment	51.5	51.0	49.7	49.4	-	36.6	36.0	34.9	34.5	-
3792	Travel trailers and campers	29.1	28.9	28.7	28.8	-	22.3	22.0	22.6	22.3	-
38	INSTRUMENTS AND RELATED PRODUCTS	700.5	703.6	700.6	699.1	698.1	422.6	425.7	415.0	412.9	413.2
381	Engineering and scientific instruments	77.2	77.3	79.6	79.4	-	38.0	38.2	38.9	38.8	-
382	Measuring and controlling devices	240.1	241.0	237.9	236.7	-	153.3	153.8	149.3	148.2	-
3822	Environmental controls	49.1	49.2	45.2	45.5	-	34.6	34.8	31.2	31.4	-
3823	Process control instruments	52.6	52.4	53.9	54.2	-	27.8	27.4	28.6	28.7	-
3825	Instruments to measure electricity	97.2	97.9	99.8	100.0	-	61.0	61.4	61.8	62.2	-
383	Optical instruments and lenses	34.4	34.5	35.2	35.5	-	19.1	19.3	19.0	18.9	-
384	Medical instruments and supplies	144.8	145.7	147.2	147.8	-	94.7	95.5	93.6	94.1	-
3841	Surgical and medical instruments	63.2	63.5	64.7	64.6	-	41.3	42.0	40.6	40.1	-
3842	Surgical appliances and supplies	64.9	65.4	65.8	66.4	-	42.7	42.9	42.5	43.4	-
385	Ophthalmic goods	47.3	47.7	45.7	45.5	-	34.0	34.5	31.9	31.8	-
386	Photographic equipment and supplies	131.8	132.4	133.9	133.5	-	64.7	65.5	66.9	66.2	-
387	Watches, clocks, and watchcases	24.9	25.0	21.1	20.7	-	18.8	18.9	15.4	14.9	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	428.8	432.9	401.5	405.5	408.9	324.0	328.6	296.0	299.5	304.1
391	Jewelry, silverware, and plated ware	55.5	55.9	55.2	55.3	-	39.2	39.5	39.3	39.3	-
3911	Jewelry, precious metal	35.5	35.8	35.3	35.2	-	24.7	24.9	24.6	24.5	-
393	Musical instruments	22.4	21.9	21.2	21.0	-	18.7	18.2	17.1	17.1	-
394	Toys and sporting goods	116.2	118.6	102.4	105.9	-	88.1	91.0	74.6	77.9	-
3942, 4	Dolls, games, toys, and children's vehicles	53.4	54.2	47.5	50.5	-	38.6	40.0	32.7	35.6	-
3949	Sporting and athletic goods, nec	62.8	64.4	54.9	55.4	-	49.5	51.0	41.9	42.3	-
395	Pens, pencils, office and art supplies	40.0	40.6	40.0	40.2	-	28.5	28.9	28.2	28.4	-
396	Costume jewelry and notions	54.5	55.3	49.8	49.1	-	43.2	44.1	38.9	38.1	-
3961	Costume jewelry	28.9	29.5	27.3	26.4	-	22.6	23.3	21.3	20.3	-
399	Miscellaneous manufactures	140.2	140.6	132.9	134.0	-	106.3	106.9	97.9	98.7	-
3993	Signs and advertising displays	46.8	46.9	46.0	46.8	-	33.7	33.9	33.3	34.1	-
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	1,644.1	1,641.1	1,625.0	1,616.9	1,612.2	1,114.4	1,111.3	1,098.0	1,090.6	1,086.5
201	Meat products	357.0	356.0	355.5	353.7	-	296.2	295.2	295.4	294.0	-
2011	Meat packing plants	162.3	161.8	160.3	159.3	-	132.3	131.6	130.9	130.2	-
2013	Sausages and other prepared meats	68.0	67.9	67.5	66.9	-	49.7	49.9	49.8	49.4	-
2016	Poultry dressing plants	110.3	110.1	112.6	112.5	-	100.0	99.7	101.6	101.5	-
202	Dairy products	174.4	175.3	173.1	171.9	-	93.3	94.2	93.2	92.3	-
2022	Cheese, natural and processed	32.0	32.2	32.9	32.5	-	24.4	24.7	25.3	24.8	-
2026	Fluid milk	107.7	107.8	105.6	105.0	-	47.5	47.6	46.8	46.6	-
203	Preserved fruits and vegetables	202.8	203.8	190.3	190.7	-	162.1	163.7	151.7	152.2	-
2032	Canned specialties	24.0	23.7	24.1	24.1	-	17.2	17.2	17.6	17.7	-
2033	Canned fruits and vegetables	72.4	70.7	66.9	67.2	-	57.9	56.4	52.2	53.0	-
2037	Frozen fruits and vegetables	38.3	41.6	34.1	34.7	-	32.6	36.0	29.0	29.7	-
204	Grain mill products	141.7	141.8	141.9	140.5	-	97.8	97.6	97.8	96.7	-
2041	Flour and other grain mill products	24.9	24.8	25.4	25.3	-	15.4	15.2	15.8	15.6	-
2048	Prepared feeds, nec	58.3	58.5	58.3	57.4	-	37.9	38.0	37.9	37.2	-
205	Bakery products	228.7	229.6	226.8	225.9	-	132.6	133.5	131.4	130.6	-
2051	Bread, cake, and related products	185.1	185.7	183.2	182.2	-	98.8	99.3	97.2	96.2	-
2052	Cookies and crackers	43.6	43.9	43.6	43.7	-	33.8	34.2	34.2	34.4	-
206	Sugar and confectionery products	106.2	100.1	104.2	102.8	-	79.8	73.9	78.7	77.9	-
2061-3	Cane and beet sugar	27.9	25.0	28.1	27.3	-	19.9	17.2	20.7	19.9	-
2065	Confectionery products	57.8	55.1	55.5	55.1	-	45.6	43.0	44.2	44.2	-
207	Fats and oils	43.7	43.4	43.1	42.3	-	32.1	31.7	32.0	31.4	-
208	Beverages	228.5	230.9	231.2	231.5	-	102.1	103.2	100.6	100.6	-
2082	Malt beverages	50.5	51.0	51.0	51.3	-	33.3	33.5	32.6	33.2	-
2086	Bottled and canned soft drinks	137.4	138.6	139.7	139.9	-	46.1	46.4	45.6	45.4	-
209	Misc. foods and kindred products	161.1	160.2	158.9	157.6	-	118.4	118.3	117.2	114.9	-
21	TOBACCO MANUFACTURES	67.1	64.4	72.0	70.2	67.9	52.3	49.6	55.9	54.0	52.0
211	Cigarettes	44.1	43.9	46.2	46.3	-	33.9	33.6	34.8	34.9	-
22	TEXTILE MILL PRODUCTS	884.6	886.9	852.5	853.5	855.2	771.9	773.6	739.9	740.6	742.8
221	Weaving mills, cotton	153.8	152.7	148.2	147.3	-	138.5	137.6	132.6	131.9	-
222	Weaving mills, synthetics	120.6	121.2	118.3	117.3	-	108.3	108.8	106.1	105.3	-
223	Weaving and finishing mills, wool	19.8	19.9	18.4	18.5	-	16.4	16.4	15.1	15.2	-
224	Narrow fabric mills	25.3	25.3	24.7	25.1	-	22.4	22.4	21.7	22.1	-
225	Knitting mills	229.8	232.5	223.1	225.3	-	200.1	202.2	192.6	194.7	-
2251	Women's hosiery, except socks	31.8	31.7	29.7	29.6	-	28.9	28.7	26.7	26.6	-
2252	Hosiery, nec	33.3	33.5	33.2	33.5	-	30.4	30.6	30.1	30.4	-
2253	Knit outerwear mills	73.7	75.7	73.3	74.6	-	63.3	65.1	62.2	63.3	-
2254	Knit underwear mills	31.8	32.0	32.2	32.5	-	27.6	27.6	27.9	28.1	-

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 ¹				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
	TEXTILE MILL PRODUCTS—Continued										
2257	Circular knit fabric mills	33.6	33.6	30.3	30.3	-	28.6	28.5	25.6	25.6	-
226	Textile finishing, except wool	77.2	76.7	72.2	72.2	-	65.1	64.7	60.5	60.3	-
2261	Finishing plants, cotton	30.0	30.3	27.7	27.7	-	25.0	25.4	23.0	22.8	-
2262	Finishing plants, synthetics	30.7	29.7	29.6	29.7	-	25.9	24.9	24.9	25.0	-
227	Floor covering mills	57.0	56.7	51.8	51.8	-	46.4	46.1	41.9	41.7	-
228	Yarn and thread mills	133.7	134.7	131.4	131.1	-	120.9	122.0	118.5	118.1	-
2281	Yarn mills, except wool	88.3	89.1	87.9	88.2	-	81.5	82.3	80.7	80.8	-
2282	Throwing and winding mills	25.3	25.4	24.3	23.6	-	22.1	22.3	21.4	20.8	-
229	Miscellaneous textile goods	67.4	67.2	64.4	64.9	-	53.8	53.4	50.9	51.3	-
	APPAREL AND OTHER TEXTILE PRODUCTS	1,305.8	1,318.4	1,266.2	1,284.7	1,293.6	1,116.9	1,128.9	1,078.0	1,096.9	1,104.7
23	Men's and boys' suits and coats	78.9	76.9	78.0	77.7	-	68.4	66.5	68.8	68.5	-
231	Men's and boys' furnishings	372.6	375.4	357.1	357.0	-	319.5	322.2	305.3	305.8	-
2321	Men's and boys' shirts and nightwear	102.6	103.1	98.6	97.5	-	89.0	89.4	84.2	83.6	-
2327	Men's and boys' separate trousers	80.0	79.6	77.3	77.4	-	69.5	69.6	67.6	67.9	-
2328	Men's and boys' work clothing	107.5	108.5	104.3	104.2	-	90.3	90.9	88.2	88.1	-
233	Women's and misses' outerwear	436.2	445.3	427.2	441.2	-	377.3	386.0	365.6	379.3	-
2331	Women's and misses' blouses and waists	62.0	62.6	62.2	63.2	-	53.7	54.4	54.4	55.1	-
2335	Women's and misses' dresses	161.5	165.4	148.7	154.7	-	144.1	147.6	131.1	137.2	-
2337	Women's and misses' suits and coats	57.3	59.4	58.6	57.9	-	49.1	51.3	49.9	49.4	-
2339	Women's and misses' outerwear, nec.	155.4	157.9	157.7	165.4	-	130.4	132.7	130.2	137.6	-
234	Women's and children's undergarments	91.0	91.0	86.9	87.9	-	77.3	77.6	74.1	75.1	-
2341	Women's and children's underwear	72.5	72.8	69.6	70.4	-	62.7	63.2	60.5	61.4	-
2342	Brassieres and allied garments	18.5	18.2	17.3	17.5	-	14.6	14.4	13.6	13.7	-
236	Children's outerwear	65.7	64.5	61.7	63.1	-	56.4	55.0	52.4	53.4	-
2361	Children's dresses and blouses	26.4	25.4	25.2	25.6	-	23.7	22.8	22.7	23.0	-
238	Misc. apparel and accessories	56.3	57.4	54.5	56.7	-	48.5	49.3	46.2	48.5	-
239	Misc. fabricated textile products	185.6	187.7	180.7	181.4	-	152.7	154.9	148.3	149.2	-
2391	Curtains and draperies	29.3	29.3	27.7	27.5	-	25.1	25.1	23.0	22.9	-
2392	House furnishings, nec.	53.5	53.4	49.7	49.3	-	44.0	44.1	41.2	41.0	-
2396	Automotive and apparel trimmings	31.4	33.2	34.6	35.0	-	25.5	27.3	28.8	29.0	-
	PAPER AND ALLIED PRODUCTS	701.9	701.8	687.9	688.2	688.6	531.4	531.9	517.9	518.5	519.9
261, 26	Paper and pulp mills	205.6	205.2	204.7	204.3	-	154.4	154.0	154.0	153.7	-
262	Paper mills, except building paper	176.6	176.4	177.0	176.9	-	131.1	131.0	131.9	131.9	-
263	Paperboard mills	65.0	65.1	63.8	63.3	-	50.9	50.9	49.8	49.5	-
264	Misc. converted paper products	218.4	219.7	212.7	214.1	-	162.1	163.8	156.3	157.4	-
2641	Paper coating and glazing	58.0	57.8	56.5	56.9	-	38.0	37.8	36.3	36.1	-
2642	Envelopes	25.4	25.5	25.4	25.5	-	19.9	20.0	19.9	20.0	-
2643	Bags, except textile bags	51.0	50.9	49.7	49.9	-	39.8	39.9	39.0	39.3	-
265	Paperboard containers and boxes	212.9	211.8	206.7	206.5	-	164.0	163.2	157.8	157.9	-
2651	Folding paperboard boxes	44.9	44.7	44.4	44.4	-	35.6	35.4	34.9	34.9	-
2653	Corrugated and solid fiber boxes	109.3	109.3	106.0	106.0	-	80.7	80.8	77.5	77.7	-
2654	Sanitary food containers	27.0	26.9	26.2	26.3	-	22.3	22.3	21.5	21.5	-
	PRINTING AND PUBLISHING	1,270.4	1,272.1	1,281.7	1,288.0	1,290.8	717.8	717.5	717.2	722.5	727.6
271	Newspapers	431.7	431.2	434.5	436.3	-	170.8	169.6	169.0	169.4	-
272	Periodicals	82.7	82.2	85.8	84.8	-	14.0	14.5	16.0	16.5	-
273	Books	107.2	107.8	106.4	106.6	-	57.5	57.6	56.7	56.8	-
2731	Book publishing	73.4	73.9	73.0	73.2	-	29.0	29.0	28.6	28.8	-
2732	Book printing	33.8	33.9	33.4	33.4	-	28.5	28.6	28.1	28.0	-
274	Miscellaneous publishing	46.8	46.0	48.7	49.7	-	27.7	26.6	26.1	26.8	-
275	Commercial printing	421.6	423.9	430.1	432.6	-	314.2	314.7	319.2	321.3	-
2751	Commercial printing, letterpress	168.8	168.3	170.5	171.1	-	125.3	123.9	126.6	126.8	-
2752	Commercial printing, lithographic	229.1	231.6	235.8	236.8	-	169.5	171.2	173.2	174.2	-
278	Manifold business forms	47.8	48.0	46.5	46.5	-	33.8	33.6	33.0	33.0	-
279	Blankbooks and bookbinding	64.7	65.0	61.8	63.0	-	53.5	53.6	50.2	51.3	-
279	Printing trade services	44.8	45.5	45.7	45.8	-	33.2	33.8	33.9	33.9	-
	CHEMICALS AND ALLIED PRODUCTS	1,112.1	1,118.1	1,106.3	1,109.3	1,112.9	632.0	634.7	621.8	624.7	627.8
281	Industrial inorganic chemicals	165.8	166.3	166.1	166.6	-	89.6	90.4	89.0	90.1	-
2819	Industrial inorganic chemicals, nec.	108.6	108.8	109.1	109.4	-	59.9	60.5	59.0	59.5	-
282	Plastics materials and synthetics	208.0	208.8	198.8	198.0	-	139.7	140.3	130.5	129.9	-
2821	Plastics materials and resins	86.0	86.5	82.8	82.5	-	52.2	52.4	47.8	47.9	-
2824	Organic fibers, noncellulosic	94.7	94.9	89.9	89.6	-	68.1	68.4	63.5	63.1	-
283	Drugs	196.2	198.1	200.8	202.5	-	99.3	98.9	99.4	100.5	-
2834	Pharmaceutical preparations	156.5	158.2	160.3	161.9	-	76.8	76.4	77.6	78.7	-
284	Soap, cleaners, and toilet goods	136.8	136.7	138.4	139.8	-	82.7	82.8	85.5	86.7	-
2841	Soap and other detergents	39.8	40.1	41.0	40.7	-	25.6	25.6	27.0	26.6	-
2844	Toilet preparations	57.7	57.2	58.1	58.9	-	35.5	35.4	37.4	38.3	-
2842, 3	Polishing, sanitation, and finishing preparations	39.3	39.4	39.3	40.2	-	21.6	21.8	21.1	21.8	-
285	Paints and allied products	66.9	67.4	65.4	65.7	-	33.8	34.6	32.2	32.4	-
286	Industrial organic chemicals	172.5	173.4	170.4	170.2	-	88.0	87.8	86.2	85.8	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
2865	Cyclic crudes and intermediates	38.2	38.4	36.0	35.8	-	23.7	23.7	21.5	21.7	-
2861.9	Gum, wood, and industrial organic chemicals, nec	134.3	135.0	134.4	134.4	-	64.3	64.1	64.7	64.1	-
287	Agricultural chemicals	71.8	72.9	70.7	71.2	-	45.6	46.6	43.9	44.5	-
289	Miscellaneous chemical products	94.1	94.5	95.7	95.3	-	53.3	53.3	55.1	54.8	-
29	PETROLEUM AND COAL PRODUCTS	155.9	153.1	207.6	206.6	208.7	87.0	84.5	131.2	130.3	131.8
291	Petroleum refining	113.3	109.9	168.6	167.8	-	55.9	53.0	103.5	102.9	-
295	Paving and roofing materials	29.7	30.3	26.5	26.2	-	22.8	23.2	19.7	19.3	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	746.3	746.5	708.9	710.9	715.0	579.9	580.1	547.6	550.0	554.4
301	Tires and inner tubes	109.3	107.5	101.4	101.1	-	77.2	75.5	72.1	72.0	-
302	Rubber and plastics footwear	22.4	22.8	21.1	21.1	-	19.7	20.1	18.6	18.7	-
303.4	Reclaimed rubber, and rubber and plastics hose and belting	23.5	22.8	21.0	20.9	-	16.9	16.3	14.5	14.4	-
306	Fabricated rubber products, nec	111.5	111.6	106.5	106.2	-	86.5	86.6	82.7	82.2	-
307	Miscellaneous plastics products	479.6	481.8	458.9	461.6	-	379.6	381.6	359.7	362.7	-
31	LEATHER AND LEATHER PRODUCTS	242.6	243.4	237.1	240.3	241.3	205.0	205.8	199.9	203.1	204.4
311	Leather tanning and finishing	18.8	18.9	19.4	19.3	-	15.7	15.8	16.1	16.1	-
314	Footwear, except rubber	151.0	151.6	151.1	152.9	-	128.4	129.2	129.3	131.0	-
3143	Men's footwear, except athletic	56.5	56.6	60.0	60.1	-	48.6	48.7	51.3	51.5	-
3144	Women's footwear, except athletic	62.3	61.7	57.4	57.8	-	52.3	51.9	49.1	49.4	-
316	Luggage	15.3	15.2	12.7	13.7	-	11.9	11.6	9.2	10.2	-
317	Handbags and personal leather goods	32.4	32.5	29.0	29.8	-	27.9	27.9	24.4	25.2	-
-	TRANSPORTATION AND PUBLIC UTILITIES	5,130	5,143	5,075	5,080	5,096	4,280	4,296	4,217	4,219	4,233
40	RAILROAD TRANSPORTATION	533.9	533.9	509.7	508.5	-	-	-	-	-	-
4011	Class 1 railroads ²	481.6	481.6	460.3	459.2	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	280.3	281.2	281.2	283.0	-	258.5	259.5	260.6	262.5	-
411	Local and suburban transportation	80.0	80.5	84.6	84.6	-	72.9	73.4	77.6	77.6	-
412	Taxicabs	61.3	60.6	58.4	57.9	-	-	-	-	-	-
413	Intercity highway transportation	37.7	37.9	40.4	41.3	-	34.7	34.9	36.8	37.8	-
415	School buses	86.9	87.3	84.4	85.3	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	1,291.5	1,295.0	1,228.0	1,218.9	-	1,130.0	1,135.9	1,069.8	1,060.0	-
421.3	Trucking and trucking terminals	1,199.0	1,203.5	1,141.4	1,135.3	-	1,050.6	1,057.7	996.9	989.9	-
422	Public warehousing	92.5	91.5	86.6	83.6	-	79.4	78.2	72.9	70.1	-
44	WATER TRANSPORTATION	204.9	205.0	197.1	197.3	-	-	-	-	-	-
45	TRANSPORTATION BY AIR	451.9	452.7	447.9	450.3	-	-	-	-	-	-
451.2	Air transportation	403.5	403.7	398.4	401.7	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	18.9	19.1	19.5	19.5	-	13.4	13.5	13.8	13.9	-
47	TRANSPORTATION SERVICES	195.4	195.6	190.8	192.8	-	-	-	-	-	-
48	COMMUNICATION	1,339.2	1,342.1	1,356.8	1,360.4	-	1,001.4	1,004.2	1,013.8	1,016.3	-
481	Telephone communication	1,068.5	1,068.9	1,072.3	1,073.2	-	778.2	779.2	781.8	782.6	-
483	Radio and television broadcasting	197.5	199.1	205.4	207.1	-	159.4	160.2	164.8	166.6	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	814.3	818.4	844.2	848.9	-	666.8	669.8	687.4	690.5	-
491	Electric services	382.7	384.4	402.9	403.9	-	309.0	310.2	326.5	327.0	-
492	Gas production and distribution	164.0	165.7	171.4	171.5	-	133.4	135.1	139.7	139.9	-
493	Combination utility services	196.2	196.3	196.2	200.1	-	162.7	162.2	158.2	160.7	-
495	Sanitary services	49.0	49.4	51.0	50.8	-	43.2	43.7	44.4	44.3	-
-	WHOLESALE AND RETAIL TRADE	20,155	20,226	20,555	20,397	20,478	17,679	17,737	17,995	17,834	17,904
50,51	WHOLESALE TRADE	5,250	5,269	5,278	5,277	5,300	4,299	4,316	4,291	4,289	4,310
50	WHOLESALE TRADE - DURABLE GOODS	3,136	3,148	3,131	3,135	-	2,568	2,581	2,545	2,547	-
501	Motor vehicles and automotive equipment	436.8	433.9	421.6	421.5	-	355.1	351.7	339.0	338.3	-
502	Furniture and home furnishing	115.7	116.0	117.9	118.6	-	94.5	94.5	96.0	96.5	-
503	Lumber and construction materials	194.3	193.6	189.7	188.6	-	160.7	159.8	155.4	154.8	-
504	Sporting goods, toys, and hobby goods	70.6	71.3	75.1	75.8	-	58.0	58.5	60.1	60.4	-
505	Metals and minerals, except petroleum	155.1	155.9	153.2	153.5	-	126.1	127.1	122.4	123.2	-
506	Electrical goods	411.8	412.5	407.7	407.5	-	336.3	337.3	330.3	329.2	-
507	Hardware, plumbing, and heating equipment	247.2	247.7	244.6	244.0	-	204.1	204.7	200.6	199.6	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹					
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	
	WHOLESALE TRADE-DURABLE GOODS—											
	Continued											
508	Machinery, equipment, and supplies	1,291.7	1,303.3	1,311.1	1,316.0	-	1,053.0	1,065.6	1,063.2	1,068.2	-	
509	Miscellaneous durable goods	212.6	214.0	209.8	209.5	-	180.6	181.8	177.7	177.2	-	
51	WHOLESALE TRADE-NONDURABLE GOODS	2,114	2,121	2,147	2,142	-	1,731	1,735	1,746	1,742	-	
511	Paper and paper products	147.0	147.6	150.3	150.4	-	119.7	120.4	122.0	122.0	-	
512	Drugs, proprietaries, and sundries	150.9	152.0	156.9	156.9	-	128.7	128.9	132.6	133.3	-	
513	Apparel, piece goods, and notions	174.7	175.6	177.0	178.5	-	138.8	139.5	139.2	140.4	-	
514	Groceries and related products	632.6	631.2	653.0	649.0	-	544.8	543.5	559.5	555.2	-	
516	Chemicals and allied products	125.4	126.7	128.8	129.2	-	92.4	94.0	93.2	93.5	-	
517	Petroleum and petroleum products	228.0	228.2	235.5	235.5	-	166.1	165.9	171.6	172.3	-	
518	Beer, wine, and distilled beverages	134.0	135.1	136.5	137.1	-	112.9	113.5	113.7	114.3	-	
519	Miscellaneous nondurable goods	383.2	388.3	378.9	380.8	-	313.7	318.0	307.5	309.0	-	
52-59	RETAIL TRADE	14,905	14,957	15,277	15,120	15,178	13,380	13,421	13,704	13,545	13,594	
52	BUILDING MATERIALS AND GARDEN											
	SUPPLIES	611.0	617.6	604.9	599.4	-	516.5	521.8	507.9	503.2	-	
521	Lumber and other building materials	327.8	326.9	321.2	317.3	-	277.2	275.9	269.9	266.1	-	
525	Hardware stores	151.1	152.9	154.1	150.6	-	129.8	130.9	131.4	128.0	-	
53	GENERAL MERCHANDISE STORES	2,189.3	2,167.7	2,255.5	2,152.0	-	2,034.3	2,012.7	2,099.5	1,995.4	-	
531	Department stores	1,794.9	1,772.0	1,851.9	1,761.1	-	1,680.6	1,657.0	1,737.5	1,647.8	-	
533	Variety stores	259.7	259.7	266.1	257.8	-	238.4	239.1	244.7	234.8	-	
539	Misc. general merchandise stores	134.7	136.0	137.5	133.1	-	115.3	116.6	117.3	112.8	-	
54	FOOD STORES	2,343.2	2,349.9	2,439.9	2,432.1	-	2,160.5	2,171.3	2,260.5	2,253.8	-	
541	Grocery stores	2,050.1	2,058.5	2,145.8	2,136.3	-	1,893.7	1,905.5	1,993.0	1,984.7	-	
542	Meat markets and freezer provisioners	53.1	52.8	53.7	53.4	-	-	-	-	-	-	
546	Retail bakeries	127.6	127.5	126.0	124.9	-	117.3	117.7	115.7	114.8	-	
55	AUTOMOTIVE DEALERS AND SERVICE											
	STATIONS	1,759.9	1,762.8	1,723.8	1,710.1	-	1,496.1	1,497.1	1,460.6	1,446.1	-	
551.2	New and used car dealers	847.5	841.4	788.0	786.5	-	699.5	694.4	646.5	644.6	-	
553	Auto and home supply stores	263.6	261.4	273.4	268.7	-	228.4	226.6	236.7	231.0	-	
554	Gasoline service stations	555.3	564.2	574.9	566.0	-	484.7	490.7	502.2	493.9	-	
56	APPAREL AND ACCESSORY STORES	937.1	938.0	983.7	955.1	-	803.0	802.7	843.0	814.3	-	
561	Men's and boys' clothing and furnishings	138.4	135.8	144.2	138.5	-	117.0	114.5	122.7	117.2	-	
562	Women's ready-to-wear stores	347.4	350.7	360.9	352.5	-	300.7	303.3	311.7	303.9	-	
565	Family clothing stores	176.7	176.9	194.6	185.5	-	153.9	153.9	170.6	161.2	-	
566	Shoe stores	177.1	177.6	179.8	177.6	-	147.3	147.3	148.7	146.2	-	
57	FURNITURE AND HOME FURNISHINGS											
	STORES	612.3	609.4	602.4	594.1	-	507.4	503.6	499.7	491.9	-	
571	Furniture and home furnishings	375.9	376.0	370.5	366.5	-	314.2	312.9	307.7	303.9	-	
572	Household appliance stores	83.2	82.2	82.4	81.7	-	71.4	70.7	70.6	70.0	-	
573	Radio, television, and music stores	153.2	151.2	149.5	145.9	-	121.8	120.0	121.4	118.0	-	
58	EATING AND DRINKING PLACES	4,533.4	4,604.1	4,707.4	4,726.2	-	4,171.7	4,234.3	4,322.1	4,339.2	-	
59	MISCELLANEOUS RETAIL	1,919.2	1,907.8	1,959.2	1,951.1	-	1,690.3	1,677.5	1,710.2	1,700.9	-	
591	Drug stores and proprietary stores	506.6	507.0	507.9	503.3	-	460.9	462.9	460.1	454.5	-	
592	Liquor stores	131.5	131.6	131.5	130.9	-	-	-	-	-	-	
594	Miscellaneous shopping goods stores	581.6	585.0	627.4	619.6	-	497.4	498.6	534.9	527.0	-	
596	Nonstore retailers	275.7	272.9	275.4	270.7	-	258.6	255.3	254.7	250.2	-	
598	Fuel and ice dealers	112.3	110.6	113.7	112.4	-	94.7	93.2	96.3	94.8	-	
599	Retail stores, nec.	253.9	242.0	245.1	256.5	-	216.8	205.1	203.7	215.1	-	
	FINANCE, INSURANCE, AND REAL											
	ESTATE ²	5,061	5,085	5,226	5,232	5,247	3,822	3,844	3,935	3,937	3,950	
60	BANKING	1,528.3	1,532.8	1,573.3	1,574.4	-	1,179.3	1,182.4	1,204.4	1,204.2	-	
602	Commercial and stock savings banks	1,395.8	1,399.8	1,433.8	1,434.8	-	1,071.8	1,074.2	1,091.0	1,091.2	-	
61	CREDIT AGENCIES OTHER THAN BANKS	565.3	563.6	568.9	568.8	-	429.7	427.9	429.8	429.1	-	
612	Savings and loan associations	240.7	240.9	257.0	258.2	-	184.5	184.3	195.5	196.3	-	
614	Personal credit institutions	215.3	214.1	205.0	203.4	-	162.6	161.7	154.0	152.9	-	
62	SECURITY, COMMODITY BROKERS, AND											
	SERVICES	206.1	207.9	223.3	225.1	-	-	-	-	-	-	
621	Security brokers and dealers	163.4	165.0	177.9	179.6	-	-	-	-	-	-	
63	INSURANCE CARRIERS	1,227.7	1,233.4	1,249.1	1,249.0	-	855.0	860.5	869.8	868.1	-	
631	Life insurance	532.8	535.2	543.5	542.7	-	317.9	321.0	336.1	334.7	-	

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 ¹				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
	INSURANCE CARRIERS—Continued										
632	Medical service and health insurance	138.3	139.3	142.2	142.6	-	110.3	111.2	113.6	114.0	-
633	Fire, marine, and casualty insurance	484.4	487.1	493.5	494.0	-	369.3	371.2	364.5	365.0	-
64	INSURANCE AGENTS, BROKERS, AND SERVICE	443.8	448.3	464.4	464.6	-	-	-	-	-	-
65	REAL ESTATE	950.3	956.9	997.5	999.2	-	-	-	-	-	-
651	Real estate operators and lessors	450.5	451.7	470.1	472.4	-	-	-	-	-	-
653	Real estate agents and managers	357.2	360.7	379.4	379.6	-	-	-	-	-	-
655	Subdividers and developers	120.0	122.1	126.0	125.3	-	-	-	-	-	-
66	COMBINED REAL ESTATE, INSURANCE, ETC.	23.3	23.5	23.7	23.6	-	-	-	-	-	-
67	HOLDING AND OTHER INVESTMENT OFFICES.	116.2	118.1	125.9	127.2	-	-	-	-	-	-
-	SERVICES	17,317	17,478	17,788	17,953	18,107	15,391	15,549	15,789	15,951	16,087
70	HOTELS AND OTHER LODGING PLACES	984.4	1,013.9	967.3	971.1	-	-	-	-	-	-
701	Hotels, motels, and tourist courts	948.5	979.9	936.5	940.4	-	870.8	900.9	854.1	861.2	-
72	PERSONAL SERVICES	950.4	951.9	929.4	937.7	-	-	-	-	-	-
721	Laundry, cleaning, and garment services	355.3	354.6	353.2	351.0	-	316.9	316.2	315.5	313.4	-
723	Beauty shops	290.1	293.2	291.2	293.6	-	269.5	272.7	270.1	272.8	-
726	Funeral service and crematories	68.9	69.3	72.8	73.1	-	-	-	-	-	-
73	BUSINESS SERVICES	2,930.5	2,942.7	3,080.6	3,079.8	-	2,554.0	2,565.4	2,685.7	2,685.9	-
731	Advertising	148.6	148.8	148.9	149.1	-	112.5	112.8	113.3	113.4	-
732	Credit reporting and collection	73.6	73.4	69.8	69.2	-	-	-	-	-	-
733	Mailing, reproduction, stenographic	120.2	119.6	126.8	128.0	-	-	-	-	-	-
734	Services to buildings	498.8	505.2	505.5	505.9	-	452.1	457.7	456.5	457.0	-
736	Personnel supply services	501.6	512.7	540.9	523.1	-	-	-	-	-	-
737	Computer and data processing services	284.7	281.9	310.7	315.7	-	236.5	233.6	259.9	265.4	-
75	AUTO REPAIR, SERVICES, AND GARAGES	583.6	589.7	582.9	584.1	-	499.5	503.9	495.9	497.0	-
753	Automotive repair shops	353.7	358.1	356.2	353.7	-	301.0	304.0	302.1	299.8	-
76	MISCELLANEOUS REPAIR SERVICES	301.7	305.6	310.8	311.3	-	259.1	262.5	258.7	259.2	-
78	MOTION PICTURES	212.4	219.8	199.0	204.8	-	186.0	192.6	174.8	177.5	-
781	Motion picture production and services	89.4	90.9	73.1	77.5	-	75.0	76.4	60.5	62.1	-
783	Motion picture theaters	112.8	118.7	115.4	117.0	-	-	-	-	-	-
79	AMUSEMENT AND RECREATION SERVICES	625.4	677.7	645.9	663.3	-	562.8	612.9	577.5	593.6	-
80	HEALTH SERVICES	5,126.9	5,138.7	5,362.5	5,378.5	-	4,567.4	4,582.4	4,788.3	4,802.2	-
801	Offices of physicians	742.6	745.6	774.9	773.0	-	604.1	611.4	635.3	632.0	-
802	Offices of dentists	338.0	337.5	347.6	348.9	-	293.4	293.0	304.7	305.8	-
805	Nursing and personal care facilities	971.5	973.8	1,019.8	1,021.5	-	873.6	874.7	919.7	921.8	-
806	Hospitals	2,669.5	2,674.5	2,791.6	2,804.1	-	2,446.2	2,451.7	2,557.2	2,569.0	-
81	LEGAL SERVICES	463.6	467.3	496.8	496.3	-	397.1	400.8	424.4	424.6	-
82	EDUCATIONAL SERVICES	1,168.3	1,173.3	1,124.0	1,200.2	-	-	-	-	-	-
821	Elementary and secondary schools	270.3	272.7	272.0	278.5	-	-	-	-	-	-
822	Colleges and universities	776.4	778.6	727.5	794.8	-	-	-	-	-	-
83	SOCIAL SERVICES	1,112.4	1,123.0	1,177.9	1,187.8	-	-	-	-	-	-
86	MEMBERSHIP ORGANIZATIONS	1,553.3	1,554.0	1,574.2	1,596.9	-	-	-	-	-	-
89	MISCELLANEOUS SERVICES	994.9	1,002.4	1,030.7	1,038.1	-	829.2	838.4	858.3	867.3	-
891	Engineering and architectural services	541.7	545.8	566.5	566.1	-	458.7	463.4	479.3	478.7	-
893	Accounting, auditing, and bookkeeping	318.9	320.4	329.0	334.6	-	258.7	261.7	266.2	273.6	-
-	GOVERNMENT	16,292	16,445	16,134	16,368	16,393	-	-	-	-	-
-	FEDERAL GOVERNMENT	2,803	2,869	2,773	2,767	2,769	-	-	-	-	-
-	Executive, by agency ⁴	2,749.5	2,815.1	2,717.6	2,713.7	-	-	-	-	-	-
-	Department of Defense	885.4	886.6	892.9	891.6	-	-	-	-	-	-
-	Postal Service	656.7	655.7	652.9	654.9	-	-	-	-	-	-
-	Other executive agencies	1,207.4	1,272.8	1,171.8	1,167.2	-	-	-	-	-	-
-	Legislative	39.5	39.7	40.8	38.6	-	-	-	-	-	-
-	Judicial	14.1	14.2	15.0	15.0	-	-	-	-	-	-

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 ¹				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
	FEDERAL GOVERNMENT—Continued										
	Federal Government, by industry										
—	Manufacturing activities	122.5	123.0	122.6	122.1	-	-	-	-	-	-
3731	Shipbuilding and repairing	72.7	72.7	73.6	73.3	-	-	-	-	-	-
—	Transportation and public utilities, except										
—	Postal Service	44.3	44.4	44.9	44.4	-	-	-	-	-	-
—	Services	335.5	389.4	389.9	387.5	-	-	-	-	-	-
806	Federal government hospitals	231.9	235.2	233.7	232.4	-	-	-	-	-	-
	STATE AND LOCAL GOVERNMENT	13,489	13,576	13,361	13,601	13,624	-	-	-	-	-
—	State government	3,641.6	3,673.6	3,541.7	3,651.4	-	-	-	-	-	-
806	State government hospitals	545.4	546.7	550.6	549.5	-	-	-	-	-	-
82	State education	1,432.2	1,499.6	1,367.1	1,475.9	-	-	-	-	-	-
—	General administration including executive, legislative, and judicial functions	995.9	1,004.9	1,007.5	1,010.0	-	-	-	-	-	-
—	Local government	9,846.9	9,902.7	9,819.2	9,949.3	-	-	-	-	-	-
—	Transportation and public utilities	603.4	604.2	630.8	631.8	-	-	-	-	-	-
806	Local government hospitals	576.3	578.8	598.6	601.9	-	-	-	-	-	-
82	Local education	5,361.5	5,397.1	5,244.4	5,365.7	-	-	-	-	-	-
—	General administration including executive, legislative, and judicial functions	2,930.4	2,946.4	2,968.8	2,975.4	-	-	-	-	-	-

¹ 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.

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

³ Data for nonoffice sales agents excluded from nonsupervisory count for all series in this division.

⁴ 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 1979 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" in the Explanatory notes of this publication.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	Dec. 1979	Jan. 1980	Nov. 1980	Dec. 1980	Jan. 1981
-	TOTAL	38,415	37,684	39,093	39,336	38,579
-	PRIVATE SECTOR	30,649	30,003	31,152	31,421	30,769
-	MINING	95	95	109	111	112
10	METAL MINING	8.9	9.0	8.9	9.4	9.5
11, 12	COAL MINING	9.8	10.1	11.7	11.9	12.1
13	OIL AND GAS EXTRACTION	67.0	67.2	79.1	80.3	81.4
131, 2	Crude petroleum, natural gas, and natural gas liquids.....	42.9	43.0	50.9	51.8	52.4
138	Oil and gas field services.....	24.1	24.2	28.2	28.5	29.0
14	NONMETALLIC MINERALS, EXCEPT FUELS	9.1	9.1	9.3	9.0	9.0
142	Crushed and broken stone.....	2.6	2.6	2.5	2.3	2.4
144	Sand and gravel.....	3.0	3.0	3.1	3.0	2.9
-	CONSTRUCTION	371	368	396	395	392
15	GENERAL BUILDING CONTRACTORS	133.9	130.8	138.1	138.6	137.1
152	Residential building construction.....	75.5	73.3	78.6	79.1	78.0
153	Operative builders.....	17.7	17.1	15.7	15.7	15.7
154	Nonresidential building construction.....	40.7	40.4	43.8	43.8	43.4
16	HEAVY CONSTRUCTION CONTRACTORS	54.9	52.8	60.5	57.6	53.9
161	Highway and street construction.....	15.2	13.9	17.1	15.5	14.0
162	Heavy construction, except highway.....	39.7	38.9	43.4	42.1	39.9
17	SPECIAL TRADE CONTRACTORS	182.0	184.0	197.8	199.1	200.8
171	Plumbing, heating, air conditioning.....	51.9	52.2	55.2	56.4	56.6
172	Painting, paper hanging, decorating.....	12.0	12.2	12.8	12.9	12.8
173	Electrical work.....	33.1	33.5	37.8	37.8	38.2
174	Masonry, stonework, and plastering.....	20.3	21.1	22.6	22.9	23.7
175	Carpentering and flooring.....	13.9	13.7	14.8	14.7	15.2
176	Roofing and sheet metal work.....	12.7	12.5	13.7	13.5	13.4
-	MANUFACTURING	6,510	6,445	6,393	6,359	6,299
24, 25, 32-39	DURABLE GOODS	3,140	3,114	3,033	3,032	3,015
20-23, 26-31	NONDURABLE GOODS	3,370	3,331	3,360	3,327	3,284
	DURABLE GOODS					
24	LUMBER AND WOOD PRODUCTS	111.5	108.5	102.1	102.0	101.2
241	Logging camps and logging contractors.....	5.1	4.9	4.8	4.6	4.8
242	Sawmills and planing mills.....	22.8	22.4	19.7	19.9	19.7
2421	Sawmills and planing mills, general.....	15.9	15.7	14.3	14.4	14.2
243	Millwork, plywood, and structural members.....	44.8	43.6	40.7	40.5	41.0
244	Wooden containers.....	7.4	7.0	7.3	7.5	7.1
245	Wood buildings and mobile homes.....	10.1	9.8	8.5	8.3	8.0
249	Miscellaneous wood products.....	21.3	20.8	21.1	21.2	20.6
25	FURNITURE AND FIXTURES	149.8	147.9	142.0	143.7	142.8
251	Household furniture.....	110.2	108.4	102.8	104.4	103.3
2511	Wood household furniture.....	47.2	46.4	45.3	45.9	45.3
2512	Upholstered household furniture.....	36.7	35.7	34.0	34.4	34.1
2515	Mattresses and bedsprings.....	8.6	8.4	7.6	7.5	7.6
252	Office furniture.....	12.3	12.5	12.5	12.7	13.0
253	Public building and related furniture.....	5.6	5.5	5.2	5.2	5.3
254	Partitions and fixtures.....	10.8	10.5	10.5	10.3	10.4
259	Miscellaneous furniture and fixtures.....	10.9	11.0	11.0	11.1	10.8
32	STONE, CLAY, AND GLASS PRODUCTS	134.5	132.5	127.5	126.2	125.9
322	Glass and glassware, pressed or blown.....	44.5	43.7	42.0	41.1	40.9
3221	Glass containers.....	24.4	24.2	23.1	22.2	22.3
3229	Pressed and blown glass, nec.....	20.1	19.5	18.9	18.9	18.6
323	Products of purchased glass.....	13.9	13.6	13.2	13.2	13.3
324	Cement, hydraulic.....	1.7	1.7	1.7	1.7	1.8
325	Structural clay products.....	7.1	7.0	6.4	6.4	6.2
326	Pottery and related products.....	16.5	16.2	15.2	14.8	14.6
327	Concrete, gypsum, and plaster products.....	15.5	15.3	15.1	14.8	14.8
329	Misc. nonmetallic mineral products.....	32.7	32.5	31.1	31.4	31.5
33	PRIMARY METAL INDUSTRIES	132.7	131.5	123.4	124.2	124.6
331	Blast furnace and basic steel products.....	42.4	42.0	38.4	39.0	39.3
3312	Blast furnaces and steel mills.....	32.2	31.8	28.6	29.0	29.4
332	Iron and steel foundries.....	18.8	19.0	18.4	18.2	18.2

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Dec. 1979	Jan. 1980	Nov. 1980	Dec. 1980	Jan. 1981
PRIMARY METAL INDUSTRIES—Continued						
3321	Gray iron foundries	8.3	8.5	8.5	8.5	8.5
3322	Malleable iron foundries	1.3	1.3	1.0	1.0	1.0
3325	Steel foundries, nec	5.3	5.3	4.9	4.8	4.8
333	Primary nonferrous metals	4.9	4.9	4.8	4.8	4.9
3334	Primary aluminum	2.0	2.0	2.1	2.1	2.1
335	Nonferrous rolling and drawing	44.3	43.2	41.9	42.2	42.2
3351	Copper rolling and drawing	3.7	3.6	3.1	3.1	3.2
3353	Aluminum sheet, plate, and foil	4.4	4.4	4.2	4.2	4.2
3357	Nonferrous wire drawing and insulating	27.1	26.3	26.4	26.7	26.7
336	Nonferrous foundries	16.8	16.7	14.2	14.3	14.4
3361	Aluminum foundries	8.7	8.7	7.1	7.2	7.4
34	FABRICATED METAL PRODUCTS	363.1	359.5	339.2	338.9	335.1
341	Metal cans and shipping containers	14.2	14.0	12.7	12.6	12.9
3411	Metal cans	12.2	12.1	10.8	10.7	11.0
342	Cutlery, hand tools, and hardware	62.5	62.0	58.0	58.3	57.2
3423, 5	Hand and edge tools, and hand saws and blades	18.0	17.9	16.1	16.4	16.3
3429	Hardware, nec	37.2	37.0	34.8	35.0	34.1
343	Plumbing and heating, except electric	19.9	19.4	15.3	16.1	15.9
344	Fabricated structural metal products	76.6	76.1	73.5	72.9	72.0
3441	Fabricated structural metal	8.2	8.2	7.6	7.7	7.7
3442	Metal doors, sash, and trim	23.7	22.9	22.5	22.0	21.0
3443	Fabricated plate work (boiler shops)	17.6	17.8	18.4	18.4	18.4
3444	Sheet metal work	16.8	16.8	15.4	15.3	15.4
345	Screw machine products, bolts, etc.	26.4	26.3	23.8	23.7	23.4
3451	Screw machine products	13.5	13.5	12.5	12.3	12.2
3452	Bolts, nuts, rivets, and washers	12.9	12.8	11.3	11.4	11.2
346	Metal forgings and stampings	56.1	54.2	53.9	53.2	52.0
3462	Iron and steel forgings	4.8	4.6	4.9	4.9	4.8
3465	Automotive stampings	13.7	11.9	13.1	12.6	11.5
3469	Metal stampings, nec	35.5	35.6	33.7	33.5	33.4
347	Metal services, nec	26.9	26.6	26.1	25.8	25.7
3471	Plating and polishing	18.4	18.1	18.0	17.9	17.8
3479	Metal coating and allied services	8.5	8.5	8.1	7.9	7.9
348	Ordnance and accessories, nec	18.0	18.1	17.1	17.5	17.4
349	Misc. fabricated metal products	62.5	62.8	58.8	58.8	58.6
3494	Valves and pipe fittings	23.9	24.2	22.0	22.1	22.3
3496	Misc. fabricated wire products	14.6	14.7	14.0	14.1	13.7
35	MACHINERY, EXCEPT ELECTRICAL	489.2	499.6	496.8	501.5	501.8
351	Engines and turbines	25.8	27.7	24.8	24.7	24.6
3511	Turbines and turbine generator sets	5.7	5.8	5.8	5.8	5.6
3519	Internal combustion engines, nec	20.1	21.9	19.0	18.9	19.0
352	Farm and garden machinery	28.4	28.6	27.6	28.0	28.5
3523	Farm machinery and equipment	21.8	21.7	21.6	21.8	22.0
353	Construction and related machinery	42.7	48.9	50.3	50.9	51.0
3531	Construction machinery	10.8	16.5	15.0	15.1	15.3
3533	Oil field machinery	12.4	12.7	14.8	15.0	15.1
354	Metalworking machinery	58.3	58.6	57.6	57.8	57.4
3541	Machine tools, metal cutting types	10.3	10.3	10.3	10.4	10.5
3544	Special dies, tools, jigs, and fixtures	15.2	15.1	15.4	15.3	14.8
3545	Machine tool accessories	13.9	14.0	13.4	13.5	13.4
355	Special industry machinery	30.7	30.6	30.7	31.0	30.9
3551	Food products machinery	6.6	6.6	6.2	6.2	6.1
3552	Textile machinery	5.3	5.3	4.9	5.1	5.1
3555	Printing trades machinery	6.3	6.3	7.2	7.3	7.3
356	General industrial machinery	64.1	64.6	61.9	63.0	63.1
3561	Pumps and pumping equipment	11.7	11.5	11.2	11.2	11.3
3562	Ball and roller bearings	14.5	14.6	13.7	14.4	14.5
357	Office and computing machines	149.8	150.1	159.4	160.8	160.2
3573	Electronic computing equipment	121.3	121.8	131.4	132.9	132.5
358	Refrigeration and service machinery	39.2	40.3	37.5	38.0	38.5
3585	Refrigeration and heating equipment	26.0	27.1	24.9	25.6	26.0
359	Misc. machinery, except electrical	50.2	50.2	47.0	47.3	47.6
3599	Machinery, except electrical, nec	39.1	39.2	37.3	37.5	37.5
36	ELECTRIC AND ELECTRONIC EQUIPMENT	934.3	925.5	905.1	910.7	907.3
361	Electric distributing equipment	46.6	45.9	43.3	44.1	43.7
3612	Transformers	20.1	20.3	17.2	17.5	17.5
3613	Switchgear and switchboard apparatus	26.5	25.6	26.1	26.6	26.2
362	Electrical industrial apparatus	94.5	94.9	86.6	87.7	89.1
3621	Motors and generators	51.1	51.7	46.5	47.2	48.6
3622	Industrial controls	29.4	29.3	27.4	27.4	27.7
363	Household appliances	64.6	62.8	62.5	62.4	61.2
3632	Household refrigerators and freezers	10.9	10.8	9.9	10.1	10.7
3633	Household laundry equipment	5.2	5.2	4.9	4.7	4.7
3634	Electric housewares and fans	29.7	27.8	29.3	28.6	27.6
364	Electric lighting and wiring equipment	105.0	103.3	95.1	95.6	95.0
3641	Electric lamps	24.4	23.7	21.5	21.7	21.4

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Dec. 1979	Jan. 1980	Nov. 1980	Dec. 1980	Jan. 1981
ELECTRIC AND ELECTRONIC EQUIPMENT—Continued						
3643	Current-carrying wiring devices	47.5	46.9	43.6	43.5	43.2
365	Radio and TV receiving equipment	61.4	58.9	58.8	59.4	58.1
3651	Radio and TV receiving sets	45.7	44.3	43.8	44.3	44.2
366	Communication equipment	210.0	210.1	211.6	212.1	212.7
3661	Telephone and telegraph apparatus	86.4	86.2	80.9	80.6	81.3
3662	Radio and TV communication equipment	123.6	123.9	130.7	131.5	131.4
367	Electronic components and accessories	292.5	291.5	285.9	287.8	286.4
3671-3	Electronic tubes	17.0	17.0	17.2	17.3	17.4
3674	Semiconductors and related devices	102.7	103.2	106.8	107.6	106.3
3679	Electronic components, nec	117.9	116.6	114.5	115.3	115.0
369	Misc. electrical equipment and supplies	59.7	58.1	61.3	61.6	61.1
3694	Engine electrical equipment	27.7	26.6	29.9	30.0	29.5
TRANSPORTATION EQUIPMENT		319.5	310.9	301.4	296.1	293.9
371	Motor vehicles and equipment	130.7	120.3	109.8	105.7	102.1
3711	Motor vehicles and car bodies	55.1	45.7	43.2	39.1	37.1
3713	Truck and bus bodies	5.0	5.0	4.0	4.1	3.9
3714	Motor vehicle parts and accessories	67.8	66.6	59.5	59.2	57.8
372	Aircraft and parts	118.6	119.4	121.4	121.8	123.7
3721	Aircraft	65.8	65.9	65.1	65.4	66.9
3724	Aircraft engines and engine parts	27.4	27.8	29.1	29.1	29.4
3728	Aircraft equipment, nec	25.4	25.7	27.2	27.3	27.4
373	Ship and boat building and repairing	23.5	23.3	21.2	21.6	21.5
3731	Ship building and repairing	16.3	16.2	15.3	15.5	15.6
374	Railroad equipment	7.0	7.0	6.0	6.0	5.7
376	Guided missiles, space vehicles, parts	22.7	23.0	25.8	26.2	26.3
3761	Guided missiles and space vehicles	19.0	19.1	21.4	21.8	21.8
379	Miscellaneous transportation equipment	10.0	10.3	10.9	9.5	9.1
INSTRUMENTS AND RELATED PRODUCTS		297.2	296.9	297.2	298.2	296.4
381	Engineering and scientific instruments	23.8	23.9	24.6	24.8	24.9
382	Measuring and controlling devices	104.5	104.2	102.1	103.3	103.1
3822	Environmental controls	25.1	24.8	23.0	23.1	22.7
3823	Process control instruments	17.3	17.4	17.9	18.6	18.7
3825	Instruments to measure electricity	44.6	44.6	45.2	45.6	45.9
383	Optical instruments and lenses	12.1	12.0	11.9	11.8	11.7
384	Medical instruments and supplies	76.6	77.3	79.6	79.8	79.3
3841	Surgical and medical instruments	35.3	35.9	37.2	37.2	36.9
3842	Surgical appliances and supplies	33.6	33.8	34.4	34.7	34.5
385	Ophthalmic goods	27.3	27.5	27.4	27.2	26.6
386	Photographic equipment and supplies	37.0	36.9	38.8	38.6	38.3
387	Watches, clocks, and watchcases	15.9	15.1	12.8	12.7	12.5
MISCELLANEOUS MANUFACTURING INDUSTRIES		208.0	200.7	198.3	190.9	185.5
391	Jewelry, silverware, and plated ware	28.0	26.2	27.8	27.5	25.4
393	Musical instruments	10.3	10.0	9.6	9.8	9.8
394	Toys and sporting goods	62.0	60.1	59.3	53.2	52.6
3942, 4	Dolls, games, toys, and children's vehicles	30.9	29.0	31.3	26.1	26.1
3949	Sporting and athletic goods, nec	31.1	31.1	28.0	27.1	26.5
395	Pens, pencils, office and art supplies	22.2	21.9	21.7	22.0	21.5
396	Costume jewelry and notions	33.1	31.8	31.5	30.2	28.6
399	Miscellaneous manufactures	52.4	50.7	48.4	48.2	47.6
NONDURABLE GOODS						
FOOD AND KINDRED PRODUCTS		500.4	478.7	505.8	488.4	468.6
201	Meat products	118.4	115.6	120.7	118.5	114.8
2011	Meat packing plants	29.4	29.3	29.8	29.5	28.6
2013	Sausages and other prepared meats	20.8	20.3	20.6	20.1	19.7
2016	Poultry dressing plants	60.1	57.7	62.2	61.2	58.7
202	Dairy products	37.0	36.0	37.6	37.4	36.4
2026	Fluid milk	18.0	17.9	18.1	18.0	18.0
203	Preserved fruits and vegetables	91.5	82.7	96.7	83.5	76.6
2032	Canned specialties	8.8	9.0	8.8	8.7	8.5
2033	Canned fruits and vegetables	28.9	25.7	37.0	28.7	24.8
2037	Frozen fruits and vegetables	21.4	17.3	18.8	15.7	14.3
204	Grain mill products	28.4	28.3	29.0	29.3	29.2
205	Bakery products	61.9	61.1	60.3	59.2	58.4
2051	Bread, cake, and related products	41.1	40.2	39.9	39.4	38.4
2052	Cookies and crackers	20.8	20.9	20.4	19.8	20.0
206	Sugar and confectionery products	47.6	44.1	44.0	44.6	42.3
207	Fats and oils	6.0	5.9	5.9	5.9	5.8
208	Beverages	40.2	38.0	41.1	40.7	40.3
2082	Malt beverages	6.8	6.8	7.8	7.8	7.7
2086	Bottled and canned soft drinks	18.0	17.7	19.0	18.9	18.9
209	Misc. foods and kindred products	69.4	67.0	70.5	69.3	64.8
TOBACCO MANUFACTURES		25.5	24.6	28.5	27.0	25.9
211	Cigarettes	13.9	13.8	14.0	14.8	14.6

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Dec. 1979	Jan. 1980	Nov. 1980	Dec. 1980	Jan. 1981
22	TEXTILE MILL PRODUCTS	423.4	418.6	408.8	407.1	404.1
221	Weaving mills, cotton	67.4	67.4	64.9	64.9	64.4
222	Weaving mills, synthetics	50.5	50.1	48.5	48.5	48.7
223	Weaving and finishing mills, wool	7.9	7.8	6.9	7.0	7.1
224	Narrow fabric mills	15.0	15.0	14.4	14.6	14.8
225	Knitting mills	147.9	144.7	146.9	145.7	142.6
2251	Women's hosiery, except socks	25.1	24.9	23.5	23.5	23.2
2252	Hosiery, nec	24.0	23.8	24.0	24.1	23.8
2253	Knit outerwear mills	51.2	48.5	53.7	52.5	50.7
2254	Knit underwear mills	24.5	24.3	24.4	24.4	24.3
2257	Circular knit fabric mills	13.1	13.1	11.9	11.8	11.6
226	Textile finishing, except wool	23.1	23.0	21.3	21.1	21.7
2261	Finishing plants, cotton	9.6	9.5	8.9	8.7	9.3
2262	Finishing plants, synthetic	6.8	6.7	6.3	6.5	6.4
227	Floor covering mills	23.7	23.3	21.9	21.7	21.4
228	Yarn and thread mills	66.7	66.4	64.6	64.5	64.5
2281	Yarn mills, except wool	41.5	41.3	40.6	40.6	40.5
2282	Throwing and winding mills	14.5	14.4	14.0	14.1	14.2
229	Miscellaneous textile goods	21.2	20.9	19.4	19.1	18.9
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,042.3	1,039.6	1,047.1	1,033.3	1,022.4
231	Men's and boys' suits and coats	60.6	60.3	61.8	61.6	61.0
232	Men's and boys' furnishings	310.5	310.1	309.9	306.5	300.1
2321	Men's and boys' shirts and nightwear	90.0	88.9	88.0	87.2	85.5
2327	Men's and boys' separate trousers	65.7	65.7	66.6	66.0	64.6
2328	Men's and boys' work clothing	88.6	89.8	89.7	88.3	86.5
233	Women's and misses' outerwear	356.7	361.6	367.0	362.5	363.0
2331	Women's and misses' blouses and waists	52.9	53.3	55.9	55.5	55.3
2335	Women's and misses' dresses	131.3	136.5	132.4	128.9	129.0
2337	Women's and misses' suits and coats	46.7	45.4	50.5	51.6	47.5
2339	Women's and misses' outerwear, nec	125.8	126.4	128.2	126.5	131.2
234	Women's and children's undergarments	79.4	78.5	76.8	75.5	75.3
2341	Women's and children's underwear	63.7	63.2	62.5	61.2	61.1
2342	Brassieres and allied garments	15.7	15.3	14.3	14.3	14.2
236	Children's outerwear	54.2	55.3	53.5	52.3	53.0
2361	Children's dresses and blouses	22.7	23.1	22.0	21.9	22.2
238	Misc. apparel and accessories	43.9	42.7	44.1	43.3	42.0
239	Misc. fabricated textile products	123.2	117.7	119.9	117.8	114.3
2391	Curtains and draperies	24.4	23.4	22.5	22.2	21.9
2392	House furnishings, nec	35.2	34.1	33.7	33.0	31.3
2396	Automotive and apparel trimmings	17.1	15.4	19.0	18.8	17.5
26	PAPER AND ALLIED PRODUCTS	160.2	159.6	158.9	158.2	157.1
261, 26	Paper and pulp mills	27.7	27.6	28.3	28.4	27.8
262	Paper mills, except building paper	24.6	24.5	25.3	25.4	24.9
263	Paperboard mills	5.9	5.9	5.8	5.8	5.8
264	Misc. converted paper products	75.3	75.2	74.5	73.7	74.0
265	Paperboard containers and boxes	51.3	50.9	50.3	50.3	49.5
27	PRINTING AND PUBLISHING	499.5	498.1	508.0	511.6	506.9
271	Newspapers	159.9	160.0	165.0	165.9	164.2
272	Periodicals	50.6	51.5	50.8	50.4	51.4
273	Books	56.7	56.9	55.1	56.8	57.2
274	Miscellaneous publishing	25.4	25.1	26.4	26.5	27.0
275	Commercial printing	132.5	130.5	137.1	137.4	135.0
2751	Commercial printing, letterpress	56.9	54.9	57.8	57.8	56.4
2752	Commercial printing, lithographic	69.9	69.7	73.3	73.4	72.3
276	Manifold business forms	15.4	15.5	14.9	15.1	14.8
278	Blankbooks and bookbinding	34.4	34.4	32.8	33.5	32.6
279	Printing trade services	10.3	10.5	11.1	11.2	11.1
28	CHEMICALS AND ALLIED PRODUCTS	275.9	274.2	280.6	280.9	280.4
281	Industrial inorganic chemicals	24.3	24.4	24.9	25.1	25.0
2819	Industrial inorganic chemicals, nec	16.1	16.1	16.7	16.9	16.8
282	Plastics materials and synthetics	43.9	44.1	42.5	42.2	42.1
2821	Plastics materials and resins	11.4	11.4	11.9	12.0	12.0
2824	Organic fibers, noncellulosic	26.1	26.1	24.2	24.1	23.9
283	Drugs	81.1	81.4	84.9	85.1	85.8
2834	Pharmaceutical preparations	69.1	69.4	71.9	72.1	72.7
284	Soap, cleaners, and toilet goods	57.1	55.2	57.7	57.8	56.5
2841	Soap and other detergents	8.8	8.8	9.2	9.3	9.5
2844	Toilet preparations	35.5	33.7	35.5	35.5	34.1
285	Paints and allied products	12.9	12.7	12.7	12.6	12.7
286	Industrial organic chemicals	25.7	25.5	25.9	25.9	26.2
2861, 9	Gum, wood, and industrial organic chemicals, nec	20.7	20.5	21.3	21.3	21.5
287	Agricultural chemicals	10.3	10.3	10.6	10.6	10.4
289	Miscellaneous chemical products	20.6	20.6	21.4	21.6	21.7

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Dec. 1979	Jan. 1980	Nov. 1980	Dec. 1980	Jan. 1981
29	PETROLEUM AND COAL PRODUCTS	27.5	27.7	28.4	28.9	29.2
291	Petroleum refining	22.3	22.5	23.2	23.7	24.0
30	RUBBER AND MISC. PLASTICS PRODUCTS	266.4	264.7	248.3	248.6	247.4
301	Tires and inner tubes	11.3	11.0	9.5	9.7	9.6
302	Rubber and plastics footwear	13.5	14.1	14.0	13.5	12.9
303,4	Reclaimed rubber, and rubber and plastics hose and belting	6.2	6.1	5.3	5.4	5.2
306	Fabricated rubber products, nec	39.1	38.9	36.0	36.0	35.9
307	Miscellaneous plastics products	196.3	194.6	183.5	184.0	183.8
31	LEATHER AND LEATHER PRODUCTS	148.5	145.5	145.1	143.1	141.5
311	Leather tanning and finishing	2.7	2.7	2.7	2.8	2.7
314	Footwear, except rubber	97.9	97.8	100.1	98.7	98.8
3143	Men's footwear, except athletic	35.5	35.5	37.6	37.4	37.3
3144	Women's footwear, except athletic	41.8	42.4	38.3	37.9	38.5
316	Luggage	9.4	8.3	7.3	7.1	6.5
317	Handbags and personal leather goods	23.6	22.2	21.3	20.8	20.1
-	TRANSPORTATION AND PUBLIC UTILITIES	1,278	1,271	1,318	1,319	1,309
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	68.1	67.3	71.8	71.7	71.1
411	Local and suburban transportation	12.8	12.9	15.1	15.3	15.4
412	Taxicabs	7.5	7.2	7.8	7.7	7.9
413	Intercity highway transportation	5.3	5.2	5.6	5.6	5.3
415	School buses	40.1	39.5	40.8	40.7	40.1
42	TRUCKING AND WAREHOUSING	158.5	153.8	154.0	155.4	150.4
421,3	Trucking and trucking terminals	139.4	136.8	136.5	139.5	134.8
422	Public warehousing	19.1	17.0	17.5	15.9	15.6
44	WATER TRANSPORTATION	20.5	20.0	19.7	19.4	19.4
45	TRANSPORTATION BY AIR	145.0	145.4	145.4	146.5	146.0
451,2	Air transportation	137.1	137.6	137.0	138.0	137.4
46	PIPE LINES, EXCEPT NATURAL GAS	2.2	2.2	2.7	2.7	2.7
47	TRANSPORTATION SERVICES	91.1	91.9	90.1	90.7	91.7
48	COMMUNICATION	623.6	620.1	643.3	642.3	637.5
481	Telephone communication	543.3	540.0	557.0	555.1	550.8
483	Radio and television broadcasting	61.9	62.1	66.6	67.3	67.0
49	ELECTRIC, GAS, AND SANITARY SERVICES	145.6	146.2	157.5	158.4	158.9
491	Electric services	67.0	67.3	74.2	74.6	75.0
492	Gas production and distribution	35.0	34.8	37.2	37.4	37.4
493	Combination utility services	33.8	34.1	35.1	35.3	35.2
495	Sanitary services	5.2	5.4	6.2	6.2	6.4
-	WHOLESALE AND RETAIL TRADE	9,380	8,844	9,268	9,538	9,030
50,51	WHOLESALE TRADE	1,355	1,344	1,389	1,395	1,375
50	WHOLESALE TRADE-DURABLE GOODS	750	752	762	765	759
501	Motor vehicles and automotive equipment	95.7	95.5	90.9	91.1	90.1
502	Furniture and home furnishings	42.9	42.9	45.4	45.2	44.8
503	Lumber and construction materials	34.7	34.4	35.1	35.3	35.0
504	Sporting goods, toys, and hobby goods	25.3	24.4	25.2	25.2	25.5
505	Metals and minerals, except petroleum	28.6	28.5	29.2	29.5	29.5
506	Electrical goods	116.4	116.8	118.9	119.5	117.8
507	Hardware, plumbing, and heating equipment	69.4	69.2	65.9	66.0	65.8
508	Machinery, equipment, and supplies	287.0	290.8	301.4	303.5	302.0
509	Miscellaneous durable goods	49.6	49.1	49.7	49.5	48.8
51	WHOLESALE TRADE-NONDURABLE GOODS	605	592	627	630	616
511	Paper and paper products	43.3	43.3	46.7	46.8	47.1
512	Drugs, proprietaries, and sundries	67.2	67.8	68.2	69.0	69.0
513	Apparel, piece goods, and notions	84.4	84.1	89.6	88.2	85.7
514	Groceries and related products	146.9	141.2	156.0	158.8	160.9
516	Chemicals and allied products	31.9	31.8	33.8	34.9	35.4
517	Petroleum and petroleum products	51.3	51.5	56.3	57.0	57.1
518	Beer, wine, and distilled beverages	21.2	20.9	21.3	21.8	21.6
519	Miscellaneous nondurable goods	118.0	115.5	115.9	116.2	113.4

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Dec. 1979	Jan. 1980	Nov. 1980	Dec. 1980	Jan. 1981
52-59	RETAIL TRADE	8,025	7,500	7,879	8,143	7,655
52	BUILDING MATERIALS AND GARDEN SUPPLIES	164.0	157.3	162.7	166.2	158.4
521	Lumber and other building materials	64.9	64.7	66.6	66.8	65.1
525	Hardware stores	58.1	56.5	57.8	59.7	57.2
53	GENERAL MERCHANDISE STORES	1,755.2	1,580.5	1,580.7	1,723.9	1,529.9
531	Department stores	1,410.9	1,276.1	1,270.6	1,386.2	1,235.2
533	Variety stores	237.2	212.3	212.6	229.4	203.1
539	Misc. general merchandise stores	107.1	92.1	97.5	108.3	91.6
54	FOOD STORES	1,027.4	989.8	1,052.2	1,066.7	1,039.4
541	Grocery stores	841.1	827.7	881.9	888.6	874.5
542	Meat markets and freezer provisioners	18.0	18.2	17.4	17.0	16.2
546	Retail bakeries	80.6	77.2	80.8	81.7	79.8
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	322.2	318.3	323.1	324.9	322.6
551.2	New and used car dealers	124.2	122.5	115.6	115.9	115.2
553	Auto and home supply stores	51.5	50.3	51.2	52.6	52.2
554	Gasoline service stations	129.6	128.0	138.7	138.7	137.9
56	APPAREL AND ACCESSORY STORES	763.4	679.9	709.9	771.4	688.1
561	Men's and boys' clothing and furnishings	76.4	65.5	63.8	72.7	64.2
562	Women's ready-to-wear stores	354.8	319.7	335.5	361.0	322.0
565	Family clothing stores	163.8	139.5	152.2	168.1	146.7
566	Shoe stores	84.1	77.6	76.7	82.6	75.3
57	FURNITURE AND HOME FURNISHING STORES	208.6	205.4	208.2	212.2	207.2
571	Furniture and home furnishings	136.8	134.5	137.6	139.6	136.0
572	Household appliance stores	23.4	23.1	23.6	24.5	23.5
573	Radio, television, and music stores	48.4	47.8	47.0	48.1	47.7
58	EATING AND DRINKING PLACES	2,662.9	2,548.4	2,757.9	2,737.7	2,650.8
59	MISCELLANEOUS RETAIL	1,121.4	1,020.6	1,084.0	1,139.7	1,058.4
591	Drug stores and proprietary stores	328.8	317.2	315.8	326.2	321.0
592	Liquor stores	34.5	32.9	32.4	34.3	33.6
594	Miscellaneous shopping goods stores	412.1	351.2	394.2	429.1	381.8
596	Nonstore retailers	177.8	160.3	174.3	176.9	159.5
598	Fuel and ice dealers	24.6	24.4	24.1	24.9	25.1
599	Retail stores, nec	121.9	113.5	122.9	128.7	117.8
-	FINANCE, INSURANCE, AND REAL ESTATE	2,953	2,966	3,076	3,092	3,095
60	BANKING	1,072.3	1,078.3	1,109.0	1,115.1	1,118.8
602	Commercial and stock savings banks	987.9	993.4	1,020.3	1,025.8	1,029.5
61	CREDIT AGENCIES OTHER THAN BANKS	374.1	371.0	376.7	380.4	381.0
612	Savings and loan associations	177.2	176.6	184.9	188.0	190.2
614	Personal credit institutions	128.8	126.5	124.0	125.0	124.1
62	SECURITY, COMMODITY BROKERS, AND SERVICES	81.1	81.3	91.9	92.5	93.6
621	Security brokers and dealers	63.8	64.2	72.4	72.9	73.8
63	INSURANCE CARRIERS	730.0	731.6	758.7	761.2	758.4
631	Life insurance	275.1	277.3	299.4	300.3	299.0
632	Medical service and health insurance	100.0	100.0	103.3	103.4	103.3
633	Fire, marine, and casualty insurance	304.1	304.5	308.8	310.0	308.9
64	INSURANCE AGENTS, BROKERS, AND SERVICE	268.7	274.4	287.3	289.0	290.5
65	REAL ESTATE	351.4	354.1	372.3	373.4	372.1
651	Real estate operators and lessors	136.4	137.4	145.8	146.1	145.6
653	Real estate agents and managers	166.4	168.4	176.0	177.0	175.9
655	Subdividers and developers	32.2	32.0	35.6	35.2	35.5
66	COMBINED REAL ESTATE, INSURANCE, ETC	15.4	15.3	14.8	14.9	14.6
67	HOLDING AND OTHER INVESTMENT OFFICES	59.9	59.7	65.0	65.0	66.1
-	SERVICES	10,062	10,014	10,592	10,607	10,532
70	HOTELS AND OTHER LODGING PLACES	537.5	524.2	553.4	539.1	522.0
701	Hotels, motels, and tourist courts	516.9	505.7	536.1	521.2	504.8

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Dec. 1979	Jan. 1980	Nov. 1980	Dec. 1980	Jan. 1981
72	PERSONAL SERVICES	621.7	634.6	639.7	640.5	637.8
721	Laundry, cleaning, and garment services	225.5	224.9	225.4	225.0	222.7
723	Beauty shops	264.0	261.5	264.3	265.0	257.9
726	Funeral service and crematories	18.2	19.0	19.4	19.6	19.8
73	BUSINESS SERVICES	1,291.7	1,260.5	1,334.2	1,344.7	1,337.1
731	Advertising	68.9	69.1	69.6	70.0	70.2
732	Credit reporting and collection	55.3	53.4	51.4	50.7	49.9
733	Mailing, reproduction, stenographic	58.7	57.5	63.8	63.9	62.6
734	Services to buildings	189.3	185.2	189.8	191.5	189.6
736	Personnel supply services	323.0	305.4	330.6	341.5	339.2
737	Computer and data processing services	134.2	133.4	140.4	142.9	145.1
75	AUTO REPAIR, SERVICES, AND GARAGES	96.1	96.8	99.3	99.0	100.0
753	Automotive repair shops	41.3	42.1	43.3	43.0	43.3
76	MISCELLANEOUS REPAIR SERVICES	61.7	61.4	63.8	65.0	64.6
78	MOTION PICTURES	83.1	79.3	76.1	77.4	75.5
781	Motion picture production and services	28.5	26.2	23.2	23.2	22.5
783	Motion picture theaters	49.1	47.5	48.6	48.4	47.4
79	AMUSEMENT AND RECREATION SERVICES	241.1	231.4	257.9	260.9	248.8
80	HEALTH SERVICES	4,128.7	4,153.0	4,341.6	4,350.2	4,362.0
801	Offices of physicians	573.3	577.7	597.8	600.5	601.9
802	Offices of dentists	283.0	287.6	297.8	299.2	297.7
805	Nursing and personal care facilities	859.0	867.6	903.8	904.8	906.7
806	Hospitals	2,136.8	2,142.8	2,243.5	2,244.4	2,255.2
81	LEGAL SERVICES	330.0	329.7	351.0	352.7	353.3
82	EDUCATIONAL SERVICES	592.7	560.6	639.4	629.3	592.7
821	Elementary and secondary schools	166.2	166.4	183.6	183.5	177.6
822	Colleges and universities	358.0	326.3	384.8	374.7	345.0
83	SOCIAL SERVICES	822.6	825.2	888.9	890.7	888.1
89	MISCELLANEOUS SERVICES	299.2	306.3	326.6	330.3	337.2
891	Engineering and architectural services	109.7	110.6	119.7	120.7	122.8
893	Accounting, auditing, and bookkeeping	132.7	138.2	146.5	149.1	153.6
-	GOVERNMENT	7,766	7,681	7,941	7,915	7,810
-	FEDERAL GOVERNMENT	859	863	876	877	878
-	STATE AND LOCAL GOVERNMENT	6,907	6,818	7,065	7,038	6,932
-	State government	1,661.0	1,616.8	1,679.4	1,672.8	1,626.3
-	Hospitals	331.5	339.0	346.1	346.0	344.5
-	State education	708.7	656.3	716.1	704.0	655.6
-	General administration including executive, legislative, and judicial functions	418.6	417.8	411.5	414.8	417.0
-	Local government	5,245.6	5,201.0	5,385.1	5,364.8	5,306.0
-	Transportation and public utilities	92.9	93.1	99.3	99.8	99.7
-	Hospitals	463.1	465.1	483.7	484.8	487.0
-	Local education	3,490.2	3,444.1	3,553.5	3,545.2	3,488.4
-	General administration including executive, legislative, and judicial functions	982.7	979.7	1,013.1	1,003.9	1,003.8

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	1980										1981		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. P	Mar. P
TOTAL	91,144	90,951	90,468	90,047	89,867	90,142	90,384	90,710	90,961	91,125	91,481	91,644	91,645
GOODS-PRODUCING	26,476	26,121	25,745	25,422	25,163	25,312	25,476	25,636	25,811	25,892	26,041	25,987	25,978
MINING	1,009	1,012	1,023	1,029	1,013	1,013	1,028	1,037	1,054	1,072	1,086	1,094	1,093
CONSTRUCTION	4,529	4,467	4,436	4,379	4,322	4,359	4,404	4,442	4,475	4,508	4,610	4,520	4,516
MANUFACTURING	20,938	20,642	20,286	20,014	19,828	19,940	20,044	20,157	20,282	20,312	20,345	20,373	20,369
DURABLE GOODS	12,707	12,442	12,140	11,947	11,819	11,860	11,955	12,043	12,146	12,160	12,188	12,193	12,197
Lumber and wood products	737	689	654	648	650	662	674	677	683	688	693	692	690
Furniture and fixtures	494	491	472	461	449	456	464	466	469	472	475	477	478
Stone, clay, and glass products	700	680	663	647	641	648	655	656	661	660	663	661	662
Primary metal industries	1,209	1,193	1,144	1,096	1,049	1,059	1,074	1,096	1,119	1,133	1,133	1,133	1,133
Fabricated metal products	1,711	1,678	1,620	1,584	1,551	1,569	1,587	1,595	1,606	1,608	1,608	1,610	1,612
Machinery, except electrical	2,530	2,518	2,517	2,476	2,448	2,437	2,452	2,469	2,475	2,480	2,484	2,493	2,495
Electric and electronic equipment	2,176	2,167	2,127	2,094	2,079	2,083	2,091	2,107	2,120	2,135	2,147	2,152	2,155
Transportation equipment	2,006	1,885	1,819	1,831	1,839	1,840	1,851	1,873	1,901	1,868	1,866	1,858	1,857
Instruments and related products	705	703	700	696	698	697	697	697	701	701	702	701	700
Miscellaneous manufacturing ind.	439	438	424	414	415	409	410	407	411	415	417	416	415
NONDURABLE GOODS	8,231	8,200	8,146	8,067	8,009	8,080	8,089	8,114	8,136	8,152	8,157	8,180	8,172
Food and kindred products	1,704	1,690	1,691	1,677	1,683	1,690	1,672	1,682	1,686	1,684	1,680	1,684	1,674
Tobacco manufactures	68	69	70	71	69	67	68	69	71	70	70	71	71
Textile mill products	888	884	869	843	833	851	851	856	856	857	858	857	857
Apparel and other textile products	1,316	1,302	1,291	1,287	1,276	1,296	1,299	1,292	1,291	1,291	1,289	1,292	1,291
Paper and allied products	708	702	692	685	680	682	686	690	692	693	694	696	695
Printing and publishing	1,274	1,272	1,268	1,269	1,266	1,266	1,269	1,272	1,278	1,284	1,284	1,291	1,293
Chemicals and allied products	1,123	1,123	1,120	1,112	1,103	1,100	1,104	1,105	1,108	1,112	1,115	1,118	1,117
Petroleum and coal products	157	175	203	205	207	208	208	209	209	210	213	213	214
Rubber and misc. plastic products	749	740	703	681	663	680	692	699	705	711	713	716	718
Leather and leather products	244	243	239	237	229	240	240	240	240	240	241	242	242
SERVICE-PRODUCING	64,668	64,830	64,723	64,625	64,704	64,830	64,908	65,074	65,150	65,233	65,440	65,657	65,667
TRANSPORTATION AND PUBLIC UTILITIES	5,202	5,178	5,167	5,134	5,114	5,129	5,124	5,147	5,132	5,137	5,142	5,147	5,153
WHOLESALE AND RETAIL TRADE	20,610	20,531	20,487	20,459	20,506	20,589	20,620	20,641	20,660	20,638	20,762	20,886	20,915
WHOLESALE TRADE	5,301	5,286	5,268	5,245	5,247	5,263	5,280	5,292	5,297	5,302	5,315	5,330	5,332
RETAIL TRADE	15,309	15,245	15,219	15,214	15,259	15,326	15,340	15,349	15,363	15,336	15,447	15,556	15,583
FINANCE, INSURANCE, AND REAL ESTATE	5,115	5,119	5,137	5,150	5,167	5,180	5,194	5,214	5,225	5,245	5,268	5,274	5,279
SERVICES	17,580	17,618	17,659	17,652	17,760	17,788	17,861	17,913	17,969	18,068	18,133	18,189	18,216
GOVERNMENT	16,161	16,384	16,273	16,230	16,157	16,144	16,109	16,159	16,164	16,145	16,135	16,161	16,104
FEDERAL	2,886	3,115	2,960	2,951	2,893	2,828	2,765	2,788	2,790	2,789	2,801	2,787	2,786
STATE AND LOCAL	13,275	13,269	13,313	13,279	13,264	13,316	13,344	13,371	13,374	13,356	13,334	13,374	13,318

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	1980												1981
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
TOTAL	37,941	38,139	38,157	38,213	38,059	37,997	38,069	38,235	38,397	38,469	38,585	38,645	38,837
GOODS-PRODUCING	7,010	7,017	7,025	6,965	6,832	6,742	6,699	6,728	6,761	6,797	6,834	6,880	6,904
MINING	95	97	99	100	102	105	106	107	107	107	109	111	112
CONSTRUCTION	375	377	380	382	382	380	381	384	387	390	395	397	400
MANUFACTURING	6,540	6,543	6,546	6,483	6,348	6,257	6,212	6,237	6,267	6,300	6,330	6,372	6,392
DURABLE GOODS	3,140	3,141	3,148	3,103	3,008	2,954	2,930	2,922	2,955	2,982	3,004	3,028	3,041
Lumber and wood products	111	112	112	104	98	95	95	99	101	101	101	103	104
Furnitures and fixtures	147	146	146	146	140	136	133	135	137	138	139	141	142
Stone, clay, and glass products	135	135	135	132	127	124	122	123	125	126	126	127	128
Primary metal industries	132	132	132	131	123	121	116	116	120	122	123	124	125
Fabricated metal products	362	362	361	352	334	323	320	326	330	333	336	338	338
Machinery, except electrical	500	501	503	500	495	492	487	482	488	493	497	502	502
Electric and electronic equipment	932	933	937	931	906	888	880	876	879	887	895	905	914
Transportation equipment	311	310	311	298	286	286	286	280	290	297	301	296	294
Instruments and related products	298	300	302	301	298	294	296	294	294	295	296	298	298
Miscellaneous manufacturing ind.	212	210	209	208	201	195	195	191	191	190	190	194	196
NONDURABLE GOODS	3,400	3,402	3,398	3,380	3,340	3,303	3,282	3,315	3,312	3,318	3,326	3,344	3,351
Food and kindred products	510	509	503	500	499	491	492	499	488	498	497	498	500
Tobacco manufactures	24	24	24	25	25	25	25	24	25	25	26	25	25
Textile mill products	423	424	424	422	415	401	397	405	404	405	406	408	408
Apparel and other textile products	1,059	1,064	1,066	1,056	1,047	1,042	1,039	1,046	1,046	1,040	1,037	1,041	1,042
Paper and allied products	162	162	162	162	159	156	155	155	156	157	158	159	160
Printing and publishing	500	502	503	502	501	502	500	500	502	502	506	509	509
Chemicals and allied products	278	280	280	280	278	278	277	276	277	278	280	283	284
Petroleum and coal products	28	23	23	24	27	28	29	29	28	28	28	29	29
Rubber and misc. plastics products	267	265	264	261	244	236	231	237	241	242	244	248	249
Leather and leather products	149	149	149	148	145	144	137	144	145	143	144	144	145
SERVICE-PRODUCING	30,931	31,122	31,132	31,248	31,227	31,255	31,370	31,507	31,636	31,672	31,751	31,765	31,933
TRANSPORTATION AND PUBLIC UTILITIES	1,273	1,280	1,283	1,286	1,290	1,286	1,286	1,291	1,294	1,315	1,313	1,314	1,310
WHOLESALE AND RETAIL TRADE	8,926	8,995	8,973	8,947	8,943	8,981	8,976	9,008	9,034	9,032	9,045	8,993	9,114
WHOLESALE TRADE	1,351	1,361	1,365	1,363	1,365	1,361	1,367	1,363	1,371	1,378	1,373	1,383	1,382
RETAIL TRADE	7,575	7,634	7,608	7,584	7,578	7,620	7,609	7,645	7,663	7,654	7,672	7,610	7,732
FINANCE, INSURANCE, AND REAL ESTATE	2,982	3,001	3,008	3,018	3,023	3,018	3,035	3,038	3,048	3,064	3,073	3,092	3,114
SERVICES	10,150	10,225	10,217	10,261	10,303	10,306	10,412	10,435	10,499	10,522	10,581	10,639	10,671
GOVERNMENT	7,600	7,621	7,651	7,736	7,668	7,664	7,661	7,735	7,761	7,739	7,739	7,727	7,724
FEDERAL	873	885	912	1,000	941	936	914	895	879	884	886	887	888
STATE AND LOCAL	6,727	6,736	6,739	6,736	6,727	6,728	6,747	6,840	6,882	6,855	6,853	6,840	6,836

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

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT**

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

[In thousands]

Industry division and group	1980										1981		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. P	Mar. P
TOTAL PRIVATE ...	61,124	60,725	60,325	59,964	59,888	60,136	60,363	60,567	60,785	60,901	61,206	61,316	61,342
GOODS-PRODUCING ...	19,181	18,814	18,438	18,144	17,901	18,035	18,181	18,313	18,461	18,521	18,657	18,594	18,601
MINING	750	755	764	770	757	753	766	772	783	796	806	810	813
CONSTRUCTION	3,581	3,509	3,488	3,443	3,385	3,410	3,443	3,476	3,499	3,530	3,630	3,546	3,533
MANUFACTURING ...	14,850	14,550	14,186	13,931	13,759	13,872	13,972	14,065	14,179	14,195	14,221	14,238	14,255
DURABLE GOODS	8,961	8,686	8,386	8,205	8,084	8,123	8,212	8,288	8,381	8,386	8,410	8,408	8,427
Lumber and wood products	621	577	544	538	542	553	563	566	571	577	580	578	575
Furniture and fixtures	401	398	380	369	359	366	374	376	378	381	383	386	385
Stone, clay, and glass products	549	530	513	498	492	498	505	506	511	510	512	510	511
Primary metal industries	941	924	877	832	793	802	817	838	860	873	874	874	873
Fabricated metal products	1,286	1,252	1,195	1,166	1,136	1,152	1,170	1,178	1,189	1,191	1,190	1,191	1,197
Machinery, except electrical	1,649	1,630	1,622	1,586	1,561	1,551	1,568	1,578	1,578	1,575	1,581	1,588	1,596
Electric and electronic equipment	1,413	1,400	1,358	1,320	1,305	1,309	1,315	1,323	1,335	1,347	1,355	1,359	1,362
Transportation equipment	1,339	1,220	1,159	1,172	1,172	1,171	1,181	1,207	1,238	1,206	1,208	1,200	1,204
Instruments and related products	427	423	419	415	414	415	414	414	416	417	416	413	414
Miscellaneous manufacturing ind.	335	332	319	309	310	306	305	302	305	309	311	309	310
NONDURABLE GOODS	5,889	5,864	5,800	5,726	5,675	5,749	5,760	5,777	5,798	5,809	5,811	5,830	5,828
Food and kindred products	1,169	1,157	1,157	1,143	1,149	1,157	1,140	1,149	1,154	1,152	1,149	1,153	1,145
Tobacco manufactures	53	54	55	55	54	52	54	54	55	54	54	55	55
Textile mill products	775	771	756	731	721	739	740	743	744	745	744	744	744
Apparel and other textile products	1,126	1,111	1,100	1,097	1,093	1,107	1,108	1,104	1,104	1,103	1,101	1,104	1,102
Paper and allied products	537	532	522	515	509	512	515	519	521	523	524	525	526
Printing and publishing	717	715	709	711	708	710	714	712	716	721	720	724	728
Chemicals and allied products	636	637	632	625	616	615	619	619	623	624	627	629	629
Petroleum and coal products	88	109	131	131	132	133	133	133	133	134	136	137	137
Rubber and misc. plastics products	582	573	537	518	502	521	533	540	544	550	552	554	557
Leather and leather products	206	205	201	200	191	203	204	204	204	203	204	205	205
SERVICE-PRODUCING ...	41,943	41,911	41,887	41,820	41,987	42,101	42,182	42,254	42,324	42,380	42,549	42,722	42,741
TRANSPORTATION AND PUBLIC UTILITIES	4,345	4,329	4,314	4,282	4,260	4,272	4,276	4,296	4,281	4,286	4,277	4,283	4,284
WHOLESALE AND RETAIL TRADE ...	18,098	18,029	17,975	17,936	17,984	18,046	18,074	18,099	18,106	18,077	18,186	18,301	18,311
WHOLESALE TRADE	4,347	4,334	4,308	4,284	4,288	4,297	4,307	4,317	4,318	4,325	4,330	4,337	4,340
RETAIL TRADE	13,751	13,695	13,667	13,652	13,696	13,749	13,767	13,782	13,788	13,752	13,856	13,964	13,971
FINANCE, INSURANCE, AND REAL ESTATE	3,869	3,873	3,893	3,898	3,917	3,926	3,930	3,940	3,947	3,961	3,975	3,977	3,978
SERVICES	15,631	15,680	15,705	15,704	15,826	15,857	15,902	15,919	15,990	16,056	16,111	16,161	16,168

¹ For coverage of series, see footnote 1, table B-2.

P=preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

B-7. Indexes of diffusion: Percent of industries in which employment¹ increased

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1978				
January.....	68.6	80.8	82.3	79.7
February.....	68.6	77.3	82.8	82.3
March.....	71.8	80.2	79.9	81.1
April.....	69.8	74.7	74.7	84.6
May.....	61.9	73.0	75.3	83.7
June.....	64.2	66.6	74.7	82.6
July.....	61.0	68.0	73.3	81.1
August.....	67.7	70.1	77.6	79.9
September.....	67.2	74.1	80.5	79.1
October.....	68.0	78.2	82.0	74.1
November.....	75.3	81.1	79.1	76.7
December.....	74.7	81.7	78.2	74.4
1979				
January.....	66.9	75.9	74.7	73.3
February.....	66.3	70.3	71.8	70.6
March.....	62.2	64.0	64.0	69.2
April.....	49.7	60.2	60.5	67.7
May.....	58.1	54.7	53.8	63.4
June.....	57.8	59.9	51.5	58.4
July.....	57.0	53.8	58.1	59.6
August.....	54.4	52.0	55.5	54.9
September.....	52.9	57.6	55.2	50.6
October.....	65.1	61.9	59.3	46.5
November.....	55.2	61.9	63.1	39.5
December.....	53.5	57.3	56.4	37.8
1980				
January.....	60.2	57.6	45.3	33.4
February.....	54.9	52.6	36.9	33.1
March.....	45.9	39.2	32.3	35.2
April.....	34.6	29.1	24.7	33.1
May.....	28.8	25.0	26.7	35.5
June.....	30.2	23.8	25.6	35.8
July.....	36.3	34.9	32.3	33.4
August.....	62.8	54.4	46.8	34.0p
September.....	62.8	68.9	68.6	36.9p
October.....	64.0	74.1	78.8	
November.....	66.9	71.2	76.5p	
December.....	64.0	73.0	74.1p	
1981				
January.....	64.5	67.7p		
February.....	57.8p	62.8p		
March.....	51.5p			
April.....				
May.....				
June.....				
July.....				
August.....				
September.....				
October.....				
November.....				
December.....				

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

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P
1 ALABAMA	1,360.0	1,353.5	1,353.2	16.8	16.9	17.0	70.8	70.8	70.2	371.6	356.0	356.0
2 Birmingham	356.7	349.5	349.3	9.9	9.4	9.5	19.8	18.3	18.5	69.2	62.2	62.0
3 Huntsville	118.8	117.7	117.6	(1)	(1)	(1)	3.7	3.6	3.6	36.3	34.8	34.8
4 Mobile	150.0	151.0	150.9	(1)	(1)	(1)	11.6	11.6	11.4	29.6	29.0	29.1
5 Montgomery	110.0	106.5	107.2	(1)	(1)	(1)	9.6	6.2	6.3	16.6	15.7	16.2
6 Tuscaloosa	50.3	49.8	49.9	1.9	2.3	2.3	2.1	1.9	2.0	9.3	8.1	8.0
7 ALASKA	156.2	160.2	(*)	5.9	7.0	(*)	7.2	7.9	(*)	9.9	8.5	(*)
8 ARIZONA	1,011.5	1,009.0	1,018.3	23.3	24.7	24.0	79.2	71.2	70.3	152.2	155.1	154.8
9 Phoenix	633.5	631.5	638.6	.3	.4	.4	52.0	48.5	48.0	112.8	113.6	114.1
10 Tucson	185.0	187.0	187.9	7.3	7.6	7.6	15.4	13.8	13.5	20.2	22.2	22.0
11 ARKANSAS	738.9	739.8	742.5	4.9	5.2	5.3	35.0	33.4	32.6	214.3	209.1	209.3
12 Fayetteville—Springdale	63.0	64.3	64.4	(1)	(1)	(1)	2.8	2.6	2.6	18.3	19.3	19.5
13 Fort Smith	67.5	66.3	66.0	.9	1.3	1.1	2.6	2.6	2.6	23.2	21.0	20.9
14 Little Rock—North Little Rock	179.2	177.7	178.0	(1)	(1)	(1)	8.9	7.9	8.1	31.5	29.7	29.7
15 Pine Bluff	32.5	32.4	32.1	(1)	(1)	(1)	2.9	2.5	2.4	6.7	6.2	6.3
16 CALIFORNIA	9,793.7	9,817.1	9,825.2	40.5	44.3	44.4	444.5	395.2	381.0	2,000.7	1,977.3	1,973.9
17 Anaheim—Santa Ana—Garden Grove	827.6	847.8	848.9	2.1	2.3	2.3	50.2	48.0	47.9	223.3	222.4	221.8
18 Bakersfield	126.4	132.6	132.8	10.4	11.4	11.4	7.5	7.4	7.5	8.8	9.4	9.5
19 Fresno	180.1	182.0	183.0	.9	1.0	1.0	11.6	10.4	10.3	21.5	21.3	21.1
20 Los Angeles—Long Beach	3,626.6	3,640.8	3,645.8	12.2	13.6	13.6	118.5	113.2	108.6	922.9	920.9	919.8
21 Modesto	84.9	85.6	85.5	.1	.1	.1	6.2	4.8	4.8	17.0	17.4	17.5
22 Oxnard—Simi Valley—Ventura	152.5	155.5	154.8	2.4	2.6	2.6	8.9	8.5	8.5	24.0	24.1	23.7
23 Riverside—San Bernardino—Ontario	437.0	438.6	438.8	2.6	2.3	2.4	28.1	25.2	25.3	66.3	63.1	63.3
24 Sacramento	395.0	400.3	401.9	.4	.5	.5	20.3	17.5	17.5	26.3	26.2	25.2
25 Salinas—Seaside—Monterey	86.4	86.5	87.0	.4	.4	.4	3.4	3.1	3.0	8.4	7.7	7.6
26 San Diego	649.2	658.0	656.4	.6	.6	.6	39.2	37.3	36.8	107.4	108.5	107.4
27 San Francisco—Oakland	1,548.4	1,565.5	1,563.3	2.9	3.4	3.4	74.6	71.1	70.1	201.7	202.6	201.9
28 San Jose	660.5	681.8	680.7	.2	.2	.2	25.2	23.2	22.2	234.1	237.4	237.5
29 Santa Barbara—Santa Maria—Lompoc	119.7	122.5	122.2	1.4	1.5	1.5	5.0	4.9	4.9	15.8	15.9	15.9
30 Santa Rosa	91.1	92.0	91.6	.4	.4	.4	5.8	4.9	4.8	14.6	14.6	14.5
31 Stockton	114.1	116.7	116.8	.1	.1	.1	5.6	5.1	4.9	19.1	18.7	18.8
32 Vallejo—Fairfield—Napa	97.7	99.8	100.3	.4	.5	.5	4.8	4.6	4.6	10.3	10.6	10.7
33 COLORADO	1,233.1	1,249.3	1,255.6	33.1	35.4	35.5	72.1	73.3	72.1	180.2	181.5	181.8
34 Denver—Boulder	785.1	795.8	800.1	17.7	19.3	19.3	44.7	44.4	43.9	123.5	125.7	125.7
35 CONNECTICUT	(*)	1,421.5	1,420.6	(*)	(2)	(2)	(*)	42.4	42.1	(*)	441.1	439.9
36 Bridgeport	166.7	170.7	168.7	(2)	(2)	(2)	3.9	4.2	4.0	66.2	66.0	65.7
37 Hartford	388.9	400.0	398.1	(2)	(2)	(2)	10.8	12.0	11.3	100.1	99.7	98.8
38 New Britain	65.1	65.3	64.8	(2)	(2)	(2)	1.6	1.7	1.6	31.2	30.3	30.1
39 New Haven—West Haven	191.2	191.2	190.1	(2)	(2)	(2)	6.2	6.6	6.3	45.1	41.6	41.2
40 Stamford	106.2	109.2	108.3	(2)	(2)	(2)	5.0	5.3	5.0	31.7	31.8	31.8
41 Waterbury	89.0	87.5	87.2	(2)	(2)	(2)	2.4	2.3	2.1	34.8	32.8	32.8
42 DELAWARE	252.9	254.7	250.3	(1)	(1)	(1)	13.1	12.6	12.3	70.9	72.0	68.3
43 Wilmington	228.2	227.9	222.7	(1)	(1)	(1)	14.3	13.4	13.3	65.4	65.1	61.5
44 DISTRICT OF COLUMBIA	508.5	608.8	610.2	(1)	(1)	(1)	13.6	13.0	12.8	15.4	15.2	15.3
45 Washington SMSA	1,544.8	1,563.5	1,567.5	(1)	(1)	(1)	74.2	68.5	69.5	56.1	55.7	56.0
46 FLORIDA	3,551.4	3,697.6	3,729.7	10.4	10.5	10.5	258.4	279.1	278.7	463.0	467.4	471.8
47 Bradenton	44.0	43.9	43.9	-	-	-	4.0	3.5	3.5	7.6	7.5	7.5
48 Daytona Beach	77.5	77.1	80.2	(1)	(1)	(1)	4.6	4.8	4.8	8.7	8.4	8.4
49 Fort Lauderdale—Hollywood	351.9	356.7	356.8	(1)	(1)	(1)	31.8	33.6	33.4	41.7	41.4	41.0
50 Fort Myers—Cape Coral	66.9	65.6	66.0	(1)	(1)	(1)	8.5	7.9	8.1	3.9	3.7	3.7
51 Gainesville	65.9	65.8	66.0	(1)	(1)	(1)	3.5	3.9	3.8	4.5	4.6	4.5
52 Jacksonville	290.1	296.2	296.7	(1)	(1)	(1)	15.6	15.1	16.0	34.5	34.2	34.4
53 Lakeland—Winter Haven	119.6	120.9	120.6	5.8	5.8	5.9	8.1	8.8	8.5	23.8	24.6	24.3
54 Melbourne—Titusville—Cocoa	100.3	102.5	102.2	(1)	(1)	(1)	5.8	6.2	6.3	22.0	22.5	22.5
55 Miami	722.8	734.3	735.7	(1)	(1)	(1)	37.6	38.7	38.9	102.4	102.4	102.5
56 Orlando	283.2	293.7	292.7	(1)	(1)	(1)	19.3	21.0	21.5	36.6	35.6	37.1
57 Panama City	31.4	31.9	31.7	(1)	(1)	(1)	2.0	1.8	1.8	3.5	3.6	3.6
58 Pensacola	96.6	99.2	99.5	(1)	(1)	(1)	6.9	7.3	7.3	12.9	12.8	12.8
59 Sarasota	72.0	72.1	72.9	(1)	(1)	(1)	8.1	7.1	7.3	6.3	6.3	6.3
60 Tallahassee	73.9	70.4	71.3	(1)	(1)	(1)	3.6	3.7	3.8	2.8	2.8	2.8
61 Tampa—St. Petersburg	546.5	555.2	555.9	(1)	(1)	(1)	40.5	39.9	40.4	76.5	76.6	77.1
62 West Palm Beach—Boca Raton	209.8	216.7	218.6	(1)	(1)	(1)	21.4	21.5	21.6	28.8	28.8	28.9

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			
FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	
71.5	71.1	71.4	271.3	271.0	268.6	58.2	58.9	58.9	201.0	207.7	207.7	298.8	301.2	303.4	1
28.9	28.9	29.0	83.3	82.6	81.9	22.8	22.7	22.7	65.9	67.4	67.7	56.9	58.0	58.0	2
2.6	2.6	2.6	21.4	21.3	21.2	3.5	3.5	3.5	17.1	17.5	17.6	34.2	34.4	34.3	3
11.2	10.6	10.9	36.1	36.9	36.2	7.0	7.4	7.4	27.7	28.4	28.7	26.8	27.1	27.2	4
4.8	4.7	4.7	23.6	23.9	23.8	6.1	6.2	6.2	19.8	20.4	20.5	29.5	29.5	29.5	5
1.8	1.8	1.8	9.3	9.8	9.6	1.7	1.7	1.7	6.4	6.1	6.0	17.8	18.1	18.5	8
16.0	16.4	(*)	26.6	28.4	(*)	8.0	8.0	(*)	28.0	28.7	(*)	54.6	55.3	(*)	7
50.3	50.5	50.4	240.8	244.8	244.0	57.6	57.9	58.0	204.4	205.9	207.4	203.7	198.9	209.4	8
30.2	30.7	30.6	161.3	162.5	162.2	44.6	45.2	45.3	131.3	131.9	132.9	101.0	98.7	105.1	9
8.7	8.6	8.6	40.6	44.6	41.2	8.3	8.2	8.1	39.2	40.6	41.0	45.3	44.4	45.9	10
42.9	42.5	42.5	157.1	158.5	158.6	30.6	30.9	30.9	110.8	115.3	117.4	143.3	144.9	145.9	11
3.9	3.8	3.9	14.9	15.5	15.4	2.2	2.3	2.3	8.8	9.4	9.3	11.6	11.4	11.4	12
3.7	3.6	3.6	14.4	13.9	13.7	2.4	2.5	2.5	11.5	12.4	12.2	8.8	9.3	9.4	13
14.1	13.7	13.8	40.9	42.3	41.5	12.3	12.4	12.5	33.1	33.8	34.0	38.4	38.2	38.4	14
4.0	4.1	4.0	6.4	6.5	6.5	1.4	1.3	1.3	4.8	4.9	4.9	6.8	6.9	6.7	15
536.9	538.0	536.0	2,235.8	2,266.8	2,260.7	616.1	624.4	625.4	2,140.8	2,192.2	2,208.9	1,778.4	1,776.9	1,794.9	16
26.8	28.5	28.4	194.7	203.9	203.4	56.2	58.4	58.5	168.9	174.5	178.1	105.4	109.8	108.5	17
7.5	8.0	7.9	32.6	33.9	33.7	4.7	4.9	4.9	22.9	24.2	24.3	32.0	33.4	33.6	18
10.4	10.7	10.6	46.9	49.3	49.0	10.9	11.2	11.2	35.6	37.0	37.2	42.3	41.1	42.6	19
199.2	196.8	196.2	814.3	823.8	818.5	232.4	233.1	234.2	836.7	840.3	852.4	490.4	499.1	502.5	20
3.7	3.7	3.6	21.3	21.7	21.2	3.3	3.4	3.4	16.3	17.0	17.1	17.0	17.5	17.8	21
6.4	6.4	6.3	35.4	36.4	36.0	7.5	7.5	7.5	30.1	31.8	31.8	37.8	38.2	38.4	22
24.9	25.7	25.8	104.9	109.0	107.7	18.8	18.6	18.6	90.7	92.2	93.0	100.7	102.5	102.7	23
21.5	21.6	21.6	92.1	95.6	95.2	21.7	22.9	22.9	71.6	73.9	74.3	141.1	142.1	143.7	24
4.8	4.8	4.9	21.8	22.5	22.6	4.3	4.4	4.4	19.3	19.3	19.6	24.0	24.3	24.5	25
28.7	28.1	28.4	146.8	148.5	147.2	38.7	39.0	39.1	146.2	151.5	152.0	141.6	144.5	144.9	26
128.9	130.2	129.6	358.0	364.3	360.4	144.0	147.0	147.2	344.4	352.1	354.1	293.9	294.8	296.6	27
20.8	21.4	21.4	122.3	131.9	130.0	27.1	28.0	28.2	149.6	155.8	157.8	81.2	83.9	83.4	28
4.7	5.0	5.0	28.9	30.1	29.7	5.7	5.7	5.7	33.5	34.5	34.4	24.7	24.9	25.1	29
4.3	4.4	4.4	21.9	23.0	22.8	5.7	5.7	5.7	17.8	18.3	18.3	20.6	20.7	20.7	30
7.6	7.9	7.7	26.4	27.7	27.6	5.1	5.1	5.1	23.1	24.5	24.7	27.1	27.6	27.9	31
4.4	4.6	4.6	19.9	21.1	21.1	3.3	3.3	3.3	19.1	19.4	19.5	35.5	35.7	36.0	32
78.0	80.6	80.9	299.7	306.4	304.5	75.7	77.6	77.5	248.2	256.7	257.7	246.1	237.9	245.6	33
55.0	56.9	57.0	189.5	193.8	192.6	52.9	54.7	54.7	163.2	167.4	168.2	138.7	133.5	138.5	34
(*)	61.1	61.1	(*)	297.9	294.9	(*)	106.4	106.8	(*)	288.8	290.7	(*)	183.8	185.1	35
6.1	6.3	6.3	34.2	36.1	35.4	7.2	7.3	7.3	31.5	33.6	32.5	17.6	17.2	17.4	36
13.6	13.8	13.7	78.8	82.6	81.6	58.5	62.5	62.7	72.5	74.7	75.0	54.6	54.7	55.0	37
3.2	3.2	3.2	10.5	10.8	10.9	1.8	1.8	1.8	10.1	10.8	10.8	6.7	6.7	6.4	38
15.9	16.0	15.9	40.1	41.5	41.2	10.7	10.8	10.8	47.0	48.9	49.0	26.2	25.8	25.7	39
4.0	4.2	4.2	22.8	24.0	23.5	7.4	7.6	7.5	25.0	26.0	25.0	10.3	10.3	10.3	40
3.1	3.0	3.1	15.3	15.5	15.4	3.4	3.5	3.5	18.6	19.2	19.2	11.4	11.1	11.1	41
12.2	12.2	12.2	53.8	54.8	53.9	11.7	11.9	11.9	45.9	47.1	47.2	45.3	44.1	44.5	42
11.9	11.8	11.7	46.5	47.2	46.6	11.0	11.2	11.2	41.6	42.0	41.9	37.4	36.2	36.5	43
25.9	25.5	25.5	62.7	64.2	63.7	34.7	35.1	35.0	179.4	182.1	184.4	276.8	273.7	273.5	44
67.2	67.4	67.2	291.6	301.8	298.8	88.2	91.0	91.2	413.7	429.1	432.5	553.8	550.0	552.3	45
217.9	222.9	224.6	928.5	975.0	977.7	246.8	263.6	266.1	804.3	853.5	864.9	622.1	625.6	634.4	46
1.5	1.5	1.5	11.8	11.8	11.8	2.8	2.9	2.9	8.1	8.5	8.4	8.2	8.2	8.3	47
3.2	3.3	3.3	21.7	21.5	22.5	4.2	4.5	4.5	21.3	20.3	22.2	14.3	14.3	14.5	48
16.7	17.2	17.3	103.6	102.9	102.8	28.6	29.0	28.8	84.1	85.1	85.6	45.4	47.5	47.9	49
3.7	3.9	3.9	20.2	19.1	18.9	5.7	6.1	6.1	14.0	13.9	14.2	10.9	11.0	11.1	50
1.6	1.6	1.6	13.8	14.1	13.8	2.7	2.7	2.7	10.4	11.3	11.4	29.4	27.6	28.2	51
23.8	24.4	24.2	74.5	75.8	75.5	27.2	27.3	27.4	60.3	63.8	64.2	54.2	54.6	54.9	52
5.2	5.0	5.0	29.9	30.1	29.8	6.6	6.6	6.7	22.8	23.0	23.3	17.4	17.0	17.1	53
4.5	4.6	4.6	21.2	21.7	21.3	4.0	3.9	3.9	24.2	24.6	24.6	18.6	19.0	19.0	54
71.1	73.1	73.1	188.1	189.6	189.3	51.9	53.6	53.7	175.8	179.5	180.5	95.9	97.4	97.7	55
15.0	14.6	14.5	76.8	77.1	77.9	18.9	20.1	20.1	74.5	80.1	78.8	42.1	42.2	42.8	56
2.1	1.9	1.8	8.0	8.4	8.3	1.6	1.7	1.8	5.6	6.0	6.0	8.6	8.5	8.4	57
5.3	4.8	4.9	21.9	22.0	21.7	4.3	4.3	4.3	19.9	21.8	22.3	25.4	26.2	26.2	58
3.0	3.0	3.0	21.4	20.6	21.0	5.9	6.3	6.4	17.4	18.6	18.6	9.9	10.2	10.3	59
2.3	2.3	2.4	14.8	14.1	14.0	3.3	3.4	3.5	12.5	13.0	13.1	34.6	31.1	31.7	60
29.8	30.7	30.7	150.2	150.4	149.5	38.3	39.2	39.6	130.0	133.8	134.0	81.2	84.6	84.6	61
8.2	8.7	8.7	54.0	54.9	55.7	17.3	18.1	18.0	50.1	53.6	53.9	30.0	31.1	31.8	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 area	Total			Mining			Construction			Manufacturing		
	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P
1 GEORGIA	2,131.2	2,150.2	2,148.4	7.7	7.6	7.6	99.8	100.2	97.5	524.2	514.2	512.6
2 Albany	43.4	44.4	44.4	(1)	(1)	(1)	2.6	3.1	2.9	11.2	10.5	10.6
3 Atlanta	951.5	962.0	960.7	(1)	(1)	(1)	44.4	41.0	40.0	143.4	143.6	139.5
4 Augusta	122.5	123.2	123.0	(1)	(1)	(1)	5.8	5.1	5.2	36.4	35.6	35.8
5 Columbus	80.7	79.3	78.6	(1)	(1)	(1)	3.8	3.7	3.4	21.1	21.2	21.2
6 Macon	96.8	97.2	96.6	(1)	(1)	(1)	4.9	5.0	4.9	15.9	15.2	15.2
7 Savannah	84.7	86.1	86.3	(1)	(1)	(1)	5.2	6.2	6.1	16.5	16.6	16.7
8 HAWAII ³	403.2	402.4	404.4	(1)	(1)	(1)	25.1	24.2	24.4	23.2	22.2	22.2
9 Honolulu	332.8	331.8	334.1	(1)	(1)	(1)	20.3	19.8	20.3	16.2	15.6	15.6
10 IDAHO	327.8	324.7	325.0	4.7	4.8	4.8	14.9	15.1	14.6	55.0	54.2	54.3
11 Boise City	79.9	78.6	79.4	(1)	(1)	(1)	5.3	6.2	6.4	9.0	8.1	8.1
12 ILLINOIS	4,865.3	4,753.7	4,772.7	30.7	31.5	29.8	153.8	157.2	146.4	1,253.3	1,179.2	1,177.4
13 Bloomington—Normal	51.2	50.2	50.1	(2)	(2)	(2)	1.3	1.5	1.5	7.4	6.7	6.8
14 Champaign—Urbana—Rantoul	76.2	72.7	76.5	(2)	(2)	(2)	1.6	1.3	1.3	8.0	7.6	7.7
15 Chicago—Gary	3,442.7	(*)	(*)	5.0	(*)	(*)	120.1	(*)	(*)	931.3	(*)	(*)
16 Chicago SMSA ⁴	3,260.2	3,197.3	3,191.4	4.8	4.8	4.7	112.2	102.7	97.0	934.7	807.4	805.8
17 Davenport—Rock Island—Moline	159.9	161.9	160.5	(2)	(2)	(2)	6.6	6.6	5.8	45.9	49.3	48.9
18 Decatur	53.6	54.5	54.9	(2)	(2)	(2)	1.8	1.8	1.8	20.0	19.1	19.6
19 Kankakee	35.4	33.4	33.3	(2)	(2)	(2)	1.6	1.4	1.1	10.0	9.3	9.4
20 Peoria	151.4	146.3	146.0	(2)	(2)	(2)	6.3	6.1	5.5	52.7	47.6	47.4
21 Rockford	121.4	114.9	114.8	(2)	(2)	(2)	3.0	3.3	3.1	54.3	48.6	48.4
22 Springfield	84.9	85.3	85.0	(2)	(2)	(2)	3.0	3.4	3.1	6.7	5.9	6.6
23 INDIANA	2,138.8	2,098.1	2,100.4	9.8	9.2	9.1	83.4	77.4	74.0	678.4	657.6	657.8
24 Anderson	48.4	46.3	46.1	(1)	(1)	(1)	1.1	1.0	.9	21.5	20.1	19.9
25 Elkhart	68.8	66.2	66.8	-	-	-	2.2	2.0	1.9	35.1	33.4	33.8
26 Evansville	127.0	125.7	125.1	2.9	2.9	2.6	6.8	6.1	5.8	37.0	36.3	36.3
27 Fort Wayne	167.3	170.5	170.0	(1)	(1)	(1)	7.2	7.1	6.8	49.8	53.7	53.6
28 Gary Hammond—East Chicago	254.7	247.7	250.4	(1)	(1)	(1)	15.2	14.1	13.8	95.6	92.8	93.0
29 Indianapolis	528.9	528.5	526.3	(1)	(1)	(1)	23.8	20.4	19.5	126.3	122.9	122.6
30 Lafayette—West Lafayette	58.4	57.6	58.0	(1)	(1)	(1)	1.8	2.0	2.0	12.1	11.2	11.0
31 Muncie	50.3	49.5	49.0	(1)	(1)	(1)	1.4	1.2	1.1	14.2	13.2	12.8
32 South Bend	112.0	106.9	106.9	(1)	(1)	(1)	4.5	4.6	4.3	32.3	30.1	30.1
33 Terre Haute	65.9	62.7	62.7	1.4	1.3	1.3	3.4	3.2	2.9	16.6	15.4	15.4
34 IOWA	1,109.7	1,070.5	1,070.4	2.0	1.6	1.6	43.6	35.6	34.8	258.0	236.0	236.2
35 Cedar Rapids	86.7	82.3	82.3	(1)	(1)	(1)	3.7	3.1	3.1	30.0	26.7	26.7
36 Des Moines	180.3	178.3	178.5	(1)	(1)	(1)	6.5	6.3	6.0	26.2	24.7	25.0
37 Dubuque	45.0	41.9	41.6	(1)	(1)	(1)	1.3	1.1	1.1	16.9	14.1	14.1
38 Sioux City	48.6	47.6	46.6	(1)	(1)	(1)	2.0	1.8	1.6	9.1	8.9	8.9
39 Waterloo—Cedar Falls	67.9	65.0	65.0	(1)	(1)	(1)	2.5	2.0	1.8	25.0	22.6	22.4
40 KANSAS	944.9	942.1	943.3	14.3	15.8	15.8	41.2	41.1	38.4	199.9	185.6	185.4
41 Lawrence	28.8	28.5	28.7	(2)	(2)	(2)	1.1	.8	.7	4.8	4.8	4.7
42 Topeka	85.1	84.6	84.9	.2	.1	.1	3.0	3.2	3.0	11.2	9.7	9.7
43 Wichita	204.0	205.1	204.4	2.5	3.2	3.2	9.0	9.3	8.6	66.1	63.6	63.6
44 KENTUCKY	1,188.6	1,206.5	1,202.3	52.0	55.4	56.2	47.3	49.7	47.6	282.5	274.6	273.5
45 Lexington—Fayette	141.8	140.4	140.4	(1)	(1)	(1)	5.5	3.7	3.4	30.7	29.6	29.2
46 Louisville	385.0	384.4	384.1	(1)	(1)	(1)	15.1	14.2	13.7	99.4	100.9	101.7
47 Owensboro	30.8	30.8	30.7	.9	.9	.9	1.6	2.0	1.9	7.2	6.8	6.9
48 LOUISIANA	1,540.1	1,603.0	1,607.9	84.0	91.3	91.7	130.9	145.6	147.2	208.6	214.4	214.8
49 Alexandria	51.0	52.1	52.5	(1)	(1)	(1)	3.7	3.9	4.0	5.6	5.5	5.5
50 Baton Rouge	201.7	208.4	208.1	1.2	1.5	1.5	23.8	24.5	24.0	25.7	26.2	26.2
51 Lafayette	74.8	82.7	83.3	13.7	16.9	17.2	5.1	5.4	5.5	3.8	4.3	4.3
52 Lake Charles	64.6	65.8	65.9	1.8	2.3	2.3	9.4	8.3	8.5	12.9	13.6	13.4
53 Monroe	50.2	51.1	50.1	.5	.5	.5	3.7	3.1	2.8	8.2	7.8	7.7
54 New Orleans	495.5	500.4	500.7	16.9	18.1	18.2	30.1	33.8	30.7	53.0	53.9	54.1
55 Shreveport	146.8	149.0	148.4	5.6	5.6	5.6	10.3	10.5	10.3	28.0	27.3	26.9
56 MAINE	405.5	409.6	409.1	(1)	(1)	(1)	15.7	15.7	14.8	114.3	113.5	113.0
57 Lewiston—Auburn	34.9	34.8	34.6	(1)	(1)	(1)	1.2	1.0	1.0	12.2	11.7	11.7
58 Portland	88.6	92.3	91.8	(1)	(1)	(1)	3.4	3.4	3.3	18.5	18.9	18.6
59 MARYLAND	1,666.7	1,663.2	1,664.6	(1)	(1)	(1)	99.5	88.0	90.0	244.0	233.7	233.8
60 Baltimore	940.1	941.9	942.3	(1)	(1)	(1)	47.1	46.0	46.5	164.8	158.2	158.3

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	
136.8	139.2	139.2	489.4	488.7	486.0	109.9	113.0	113.2	335.2	348.5	350.6	428.2	438.7	441.7	1
2.1	2.2	2.2	9.3	9.8	9.9	1.9	1.9	1.9	6.1	6.4	6.4	10.2	10.4	10.4	2
83.5	85.9	86.0	261.1	260.7	260.7	65.9	69.1	69.0	192.4	199.2	201.9	160.8	162.5	163.7	3
4.2	4.4	4.4	22.2	22.6	22.6	4.6	4.5	4.5	17.3	18.4	18.4	32.0	32.1	32.2	4
3.4	3.4	3.3	16.7	15.6	15.4	5.4	5.5	5.5	11.0	10.9	10.8	19.5	19.0	18.9	5
4.8	4.5	4.4	19.6	19.5	19.1	5.7	5.8	5.9	16.7	16.8	16.6	29.2	30.3	30.5	6
9.0	8.8	8.9	19.3	19.5	19.4	4.0	4.1	4.1	14.9	15.1	15.1	15.7	15.7	16.0	7
31.0	30.9	31.1	105.0	103.6	103.3	33.4	33.7	33.8	97.5	100.0	100.3	88.0	87.8	89.3	8
25.8	25.7	25.8	87.5	86.3	85.8	29.1	29.5	29.5	79.0	80.8	81.2	74.9	74.4	75.9	9
20.1	20.3	20.1	80.5	80.5	80.1	23.5	23.2	23.1	59.7	59.2	59.7	69.4	67.3	68.3	10
5.2	5.2	5.1	21.1	20.1	20.2	8.2	7.7	7.8	14.8	14.7	15.0	16.3	16.6	16.8	11
286.6	282.7	281.1	1,132.9	1,117.8	1,117.2	308.5	309.1	306.7	924.9	934.9	941.9	764.6	741.3	772.2	12
3.1	3.1	3.1	11.9	12.2	11.8	7.7	7.6	7.6	8.5	8.3	8.1	11.3	10.8	11.2	13
2.6	2.6	2.5	19.4	19.0	19.0	2.6	2.6	2.4	11.8	11.2	11.3	30.2	28.4	32.3	14
212.0	(*)	(*)	781.4	(*)	(*)	228.9	(*)	(*)	678.1	(*)	(*)	486.1	(*)	(*)	15
192.7	195.9	193.6	763.1	745.4	735.4	219.1	219.5	217.8	651.0	645.0	654.0	482.6	476.6	483.1	16
7.2	6.9	6.6	40.7	40.4	39.6	7.2	7.3	7.2	25.2	24.4	25.1	27.1	27.0	27.3	17
5.0	5.3	5.2	10.4	11.9	11.6	2.8	2.7	2.7	8.4	8.6	8.7	5.1	5.1	5.2	18
1.4	1.4	1.4	8.0	6.7	6.6	1.1	1.1	1.1	6.2	6.3	6.2	7.1	7.2	7.5	19
7.9	7.9	7.7	34.9	34.8	33.7	7.1	7.2	7.2	25.2	25.4	25.7	17.3	17.3	18.8	20
5.0	4.4	4.4	24.6	24.3	23.8	4.2	4.2	4.2	17.7	17.5	18.0	12.6	12.6	12.9	21
5.1	4.7	4.5	19.0	19.0	17.9	6.6	6.7	6.7	16.7	17.3	17.2	27.7	28.2	28.8	22
107.6	100.1	104.0	471.6	465.7	460.3	100.9	100.9	100.8	320.7	332.8	334.7	356.2	354.3	359.7	23
1.4	1.3	1.3	9.7	9.1	9.1	1.6	1.6	1.6	7.3	7.2	7.2	5.8	6.0	6.1	24
2.2	1.9	2.1	13.2	13.0	13.0	2.1	2.1	2.2	8.8	8.7	9.7	5.2	5.1	5.1	25
7.2	7.2	7.1	30.4	30.4	30.4	4.5	4.6	4.6	24.9	25.2	25.3	13.3	13.0	13.0	26
11.1	10.6	10.9	41.8	41.7	41.2	10.6	10.4	10.5	28.5	28.7	28.7	18.3	18.3	18.4	27
15.1	11.4	14.7	50.8	50.8	50.3	9.4	9.2	9.2	36.3	37.2	37.1	32.3	32.2	32.3	28
31.2	30.7	30.7	129.7	131.5	129.7	37.9	38.3	38.3	92.5	95.0	95.4	90.5	89.7	90.1	29
1.5	1.5	1.5	11.1	11.1	10.9	2.6	2.5	2.5	9.1	9.2	9.3	20.2	20.1	20.8	30
2.0	2.0	2.0	11.8	12.0	11.8	1.6	1.5	1.5	7.3	8.0	8.1	11.5	11.6	11.7	31
5.0	4.2	4.5	27.6	26.4	26.0	5.5	5.4	5.3	24.2	23.6	23.7	12.9	12.6	12.9	32
3.7	3.5	3.5	16.4	15.5	15.5	2.2	2.1	2.1	9.5	9.5	9.4	12.7	12.2	12.6	33
56.0	53.5	53.1	275.9	272.7	270.5	57.0	57.3	57.2	206.6	206.4	208.0	210.6	206.4	209.1	34
3.9	3.8	3.8	19.2	18.6	18.4	4.4	4.3	4.3	15.6	15.6	15.7	9.8	10.2	10.2	35
11.6	11.3	11.3	47.4	47.1	46.9	20.9	20.6	20.6	38.9	39.1	39.6	28.9	29.2	29.2	36
1.7	1.6	1.6	9.3	9.2	9.0	1.3	1.3	1.3	10.3	10.5	10.5	4.1	4.1	4.1	37
4.0	3.7	3.7	12.7	12.4	12.2	2.9	2.8	2.9	11.7	11.8	11.7	6.3	6.2	5.7	38
2.5	2.5	2.4	13.9	14.0	14.1	2.1	2.1	2.1	10.5	10.7	10.5	11.4	11.1	11.6	39
64.4	63.6	64.1	221.1	221.4	224.3	46.3	47.0	46.8	167.2	171.9	174.0	190.5	189.7	194.5	40
1.4	1.3	1.3	5.5	5.8	5.7	.8	.8	.9	4.0	4.2	4.3	11.2	10.8	11.1	41
7.4	7.4	7.4	18.4	18.9	18.8	5.9	6.3	6.3	17.0	17.3	17.4	22.0	21.7	22.2	42
10.8	10.7	10.8	43.9	45.4	44.9	9.2	9.2	9.1	38.1	38.7	38.9	24.4	25.0	25.3	43
67.9	67.6	67.8	252.3	267.7	262.0	50.9	52.0	52.2	202.9	205.4	206.7	232.8	234.1	236.3	44
7.1	7.5	7.5	31.1	33.3	32.3	7.2	7.6	7.6	25.9	26.7	26.7	34.3	32.0	33.7	45
24.5	23.0	22.9	87.1	86.3	85.0	22.9	23.0	23.0	74.8	76.8	77.0	61.1	60.2	60.8	46
2.3	2.4	2.4	6.9	6.9	6.7	1.2	1.3	1.3	5.9	5.6	5.8	4.8	4.8	4.8	47
121.7	124.7	125.9	350.8	359.9	358.5	74.0	75.3	75.7	264.3	275.7	277.7	305.8	316.1	316.3	48
2.5	2.4	2.5	10.8	11.3	11.4	2.8	2.9	2.9	10.2	10.8	10.9	15.4	15.3	15.3	49
10.6	11.3	11.3	43.3	45.7	45.4	11.1	11.2	11.3	33.1	34.3	34.7	52.9	53.7	53.7	50
5.3	6.0	6.1	19.6	20.8	20.9	2.6	2.7	2.7	14.5	15.2	15.2	10.2	11.4	11.4	51
3.5	3.8	3.8	14.3	14.5	14.4	2.7	2.7	2.7	9.5	9.7	9.8	10.8	10.9	11.0	52
2.6	2.9	2.9	13.0	13.4	12.9	3.7	4.0	4.1	7.9	8.0	8.0	10.6	11.4	11.2	53
51.5	51.6	51.7	124.6	125.7	124.8	30.0	30.3	30.4	109.2	110.3	111.4	80.2	79.7	79.4	54
9.9	10.3	10.3	34.6	35.7	35.5	7.1	7.1	7.1	27.2	27.8	27.9	24.1	24.7	24.8	55
18.2	18.7	18.6	82.4	85.1	83.8	16.1	15.5	16.5	73.7	76.8	77.2	85.1	83.3	85.2	56
1.2	1.3	1.2	7.9	8.3	8.2	1.6	1.6	1.6	7.4	7.6	7.5	3.4	3.3	3.4	57
5.0	5.3	5.3	22.8	24.9	24.4	7.1	7.6	7.6	18.5	19.4	19.3	13.3	12.8	13.3	58
86.0	85.4	84.9	392.7	404.9	399.3	88.7	92.2	92.3	348.5	357.5	359.3	407.3	401.5	405.0	59
58.4	58.4	57.6	210.3	212.5	209.6	56.1	58.1	58.2	188.9	200.4	202.4	214.5	208.2	209.7	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		
		FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P
1	MASSACHUSETTES	(*)	2,508.9	(*)	(*)	(1)	(*)	(*)	64.5	(*)	(*)	663.1	(*)
2	Boston	(*)	1,479.0	(*)	(*)	(1)	(*)	(*)	38.8	(*)	(*)	285.1	(*)
3	Brockton	(*)	57.9	(*)	(*)	(1)	(*)	(*)	1.5	(*)	(*)	13.1	(*)
4	Fall River	(*)	56.1	(*)	(*)	(1)	(*)	(*)	1.1	(*)	(*)	19.4	(*)
5	Lawrence—Haverhill	(*)	109.3	(*)	(*)	(1)	(*)	(*)	2.2	(*)	(*)	43.4	(*)
6	Lowell	(*)	77.1	(*)	(*)	(1)	(*)	(*)	2.4	(*)	(*)	29.1	(*)
7	New Bedford	(*)	62.4	(*)	(*)	(1)	(*)	(*)	1.2	(*)	(*)	24.5	(*)
8	Springfield—Chicopee—Holyoke	(*)	223.4	(*)	(*)	(1)	(*)	(*)	4.9	(*)	(*)	62.4	(*)
9	Worcester	(*)	163.7	(*)	(*)	(1)	(*)	(*)	4.4	(*)	(*)	46.7	(*)
10	MICHIGAN	(*)	3,437.2	(*)	(*)	12.4	(*)	(*)	103.1	(*)	(*)	1,021.7	(*)
11	Ann Arbor	139.6	141.4	(*)	(1)	(1)	(*)	2.4	2.6	(*)	42.8	44.9	(*)
12	Battle Creek	64.0	63.0	(*)	(1)	(1)	(*)	1.5	1.4	(*)	20.9	21.2	(*)
13	Bay City	33.7	34.5	(*)	(1)	(1)	(*)	1.1	.9	(*)	9.7	9.6	(*)
14	Detroit	(*)	1,665.9	(*)	(*)	1.2	(*)	(*)	45.2	(*)	(*)	488.7	(*)
15	Flint	193.0	197.1	(*)	(1)	(1)	(*)	5.7	6.6	(*)	76.9	77.4	(*)
16	Grand Rapids	265.5	266.3	(*)	(1)	(1)	(*)	11.4	9.8	(*)	91.7	91.7	(*)
17	Jackson	52.7	51.2	(*)	(1)	(1)	(*)	1.5	1.0	(*)	15.6	14.5	(*)
18	Kalamazoo—Portage	110.8	107.4	(*)	(1)	(1)	(*)	4.2	3.8	(*)	33.0	32.2	(*)
19	Lansing—East Lansing	195.3	191.3	(*)	(1)	(1)	(*)	5.0	5.4	(*)	42.0	40.2	(*)
20	Muskegon—Norton Shores—Muskeg. Hghts.	60.1	60.1	(*)	(1)	(1)	(*)	2.3	1.7	(*)	21.4	20.8	(*)
21	Saginaw	87.3	86.1	(*)	(1)	(1)	(*)	2.3	2.0	(*)	32.1	31.5	(*)
22	MINNESOTA	1,747.2	1,726.3	1,723.8	15.7	14.8	14.9	65.7	59.2	56.2	377.6	361.1	359.3
23	Duluth—Superior	60.2	58.8	58.4	(1)	(1)	(1)	2.2	1.5	1.5	7.9	8.1	8.1
24	Minneapolis—St. Paul	1,079.5	1,085.4	1,084.5	(1)	(1)	(1)	40.1	35.0	34.4	250.7	243.0	241.4
25	Rochester	49.4	50.1	49.6	(2)	(2)	(2)	1.6	1.4	1.2	10.1	10.1	10.1
26	St. Cloud	54.4	55.0	54.7	(1)	(1)	(1)	2.2	2.4	2.1	12.4	12.2	12.0
27	MISSISSIPPI	829.9	826.4	825.6	10.0	11.0	11.0	40.2	39.2	38.7	227.5	218.7	218.1
28	Jackson	146.1	146.3	145.9	1.3	1.6	1.5	7.4	6.8	6.7	18.2	19.0	18.8
29	MISSOURI	1,947.9	1,927.8	1,920.3	7.4	7.4	7.2	73.4	53.7	61.3	444.5	429.7	421.9
30	Kansas City	622.9	611.9	604.1	.5	.5	.4	23.2	22.3	21.7	124.4	117.9	111.5
31	St. Joseph	36.7	37.0	37.1	(2)	(2)	(2)	1.7	1.8	1.7	8.9	9.1	9.2
32	St. Louis	986.5	966.6	967.0	2.7	2.6	2.6	38.8	38.0	37.5	242.9	234.9	233.5
33	Springfield	84.7	83.3	83.9	(2)	(2)	(2)	3.4	3.0	2.9	18.6	18.5	18.1
34	MONTANA	273.0	275.6	274.0	8.0	7.9	7.6	11.3	12.1	11.8	24.7	22.9	22.4
35	Billings	45.8	46.8	46.7	(1)	(1)	(1)	2.0	2.0	2.0	4.1	4.2	4.0
36	Great Falls	28.8	28.3	28.7	(1)	(1)	(1)	1.2	1.3	1.2	1.6	1.3	1.3
37	NEBRASKA	523.8	619.3	620.2	1.6	1.5	1.5	25.1	26.5	25.3	99.8	95.7	95.5
38	Lincoln	99.8	98.0	99.7	(2)	(2)	(2)	3.6	3.7	3.5	13.8	13.3	13.3
39	Omaha	263.5	260.1	260.4	(2)	(2)	(2)	9.1	9.6	9.2	36.8	35.2	34.9
40	NEVADA	389.0	397.1	402.5	5.0	7.6	7.7	25.8	24.5	24.8	19.3	19.7	19.7
41	Las Vegas	218.4	219.3	223.1	.4	.6	.6	15.1	12.8	12.9	6.7	7.0	7.1
42	Reno	110.9	112.6	113.5	.8	1.1	1.1	7.0	7.0	7.2	8.4	8.4	8.4
43	NEW HAMPSHIRE ³	375.8	382.5	380.7	.3	.4	.3	18.4	19.4	17.5	118.1	115.2	115.1
44	Manchester	73.5	73.4	73.2	(2)	(2)	(2)	2.9	3.0	2.9	18.2	16.4	16.6
45	Nashua	62.1	64.1	64.3	(2)	(2)	(2)	2.2	2.5	2.5	29.7	29.8	30.2
46	NEW JERSEY ³	(*)	3,016.1	3,014.1	(*)	2.2	2.2	(*)	101.3	99.3	(*)	770.2	769.9
47	Atlantic City	(*)	92.1	92.2	(*)	-	-	(*)	4.8	4.6	(*)	8.1	8.3
48	Camden ⁵	(*)	324.7	325.0	(*)	.1	.1	(*)	11.5	11.2	(*)	68.4	69.2
49	Hackensack ⁶	(*)	390.9	391.0	(*)	(1)	(1)	(*)	12.5	12.6	(*)	108.5	109.2
50	Jersey City ⁶	(*)	224.9	222.6	(*)	-	-	(*)	4.2	4.0	(*)	67.5	65.7
51	Long Branch—Asbury Park	(*)	159.7	159.8	(*)	(1)	(1)	(*)	6.4	6.3	(*)	25.2	25.3
52	New Bruns.—Perth Amboy—Sayreville ⁶	(*)	287.0	288.5	(*)	(1)	(1)	(*)	10.5	10.4	(*)	90.5	90.1
53	Newark ⁶	(*)	935.0	932.7	(*)	.7	.7	(*)	31.3	30.8	(*)	244.2	244.0
54	Paterson—Clifton—Passaic ⁶	(*)	186.0	186.9	(*)	(1)	(1)	(*)	6.2	6.4	(*)	65.7	65.7
55	Trenton	(*)	162.1	161.6	(*)	(1)	(1)	(*)	2.7	2.6	(*)	34.3	34.5
56	Vineland—Millville—Bridgeton	(*)	54.5	54.2	(*)	(1)	(1)	(*)	1.8	1.8	(*)	17.3	17.5
57	NEW MEXICO ³	458.7	456.7	456.8	29.0	30.7	30.6	30.7	25.9	25.3	34.6	33.6	33.2
58	Albuquerque	186.1	183.5	183.2	(1)	(1)	(1)	13.5	10.5	10.1	18.2	17.8	17.7
59	NEW YORK	7,122.5	7,093.9	7,119.0	5.1	5.7	5.7	180.1	176.0	172.5	1,465.8	1,421.5	1,429.0
60	Albany—Schenectady—Troy	336.4	332.7	334.9	(1)	(1)	(1)	9.0	9.5	9.2	59.0	57.5	57.1
61	Binghamton	117.2	116.7	117.1	(1)	(1)	(1)	3.1	3.3	3.3	42.7	42.2	42.1
62	Buffalo	500.3	494.2	494.2	(1)	(1)	(1)	13.3	13.6	13.3	138.6	133.5	132.6

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-B. 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			
FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	
(*)	117.7	(*)	(*)	552.5	(*)	(*)	145.3	(*)	(*)	556.3	(*)	(*)	409.5	(*)	1
(*)	75.2	(*)	(*)	328.6	(*)	(*)	108.8	(*)	(*)	434.4	(*)	(*)	208.1	(*)	2
(*)	4.5	(*)	(*)	15.3	(*)	(*)	2.0	(*)	(*)	9.5	(*)	(*)	12.0	(*)	3
(*)	1.7	(*)	(*)	11.6	(*)	(*)	2.5	(*)	(*)	11.5	(*)	(*)	9.2	(*)	4
(*)	4.8	(*)	(*)	20.9	(*)	(*)	4.0	(*)	(*)	16.5	(*)	(*)	17.5	(*)	5
(*)	3.3	(*)	(*)	15.7	(*)	(*)	1.9	(*)	(*)	11.7	(*)	(*)	13.0	(*)	6
(*)	2.1	(*)	(*)	12.0	(*)	(*)	1.9	(*)	(*)	9.7	(*)	(*)	10.9	(*)	7
(*)	9.0	(*)	(*)	46.5	(*)	(*)	12.7	(*)	(*)	43.5	(*)	(*)	44.4	(*)	8
(*)	7.0	(*)	(*)	30.9	(*)	(*)	9.3	(*)	(*)	31.6	(*)	(*)	27.8	(*)	9
(*)	148.7	(*)	(*)	724.4	(*)	(*)	156.6	(*)	(*)	651.2	(*)	(*)	619.2	(*)	10
3.4	3.1	(*)	19.5	19.0	(*)	3.6	4.2	(*)	21.0	23.0	(*)	46.8	44.5	(*)	11
2.3	2.3	(*)	11.3	10.7	(*)	3.6	3.8	(*)	11.7	11.2	(*)	12.6	12.3	(*)	12
1.9	1.7	(*)	7.9	8.3	(*)	1.2	1.3	(*)	6.8	7.4	(*)	5.1	5.3	(*)	13
(*)	79.5	(*)	(*)	364.1	(*)	(*)	90.6	(*)	(*)	350.5	(*)	(*)	246.0	(*)	14
7.0	6.2	(*)	39.9	41.2	(*)	5.9	6.5	(*)	30.2	30.1	(*)	27.4	29.1	(*)	15
10.7	11.4	(*)	58.7	61.3	(*)	10.2	10.8	(*)	50.4	47.6	(*)	32.4	33.7	(*)	16
5.1	5.1	(*)	10.7	10.3	(*)	1.5	1.7	(*)	9.6	9.2	(*)	8.7	9.4	(*)	17
4.3	3.5	(*)	21.1	21.3	(*)	3.6	3.7	(*)	22.3	21.8	(*)	21.4	21.1	(*)	18
5.6	5.5	(*)	35.4	34.7	(*)	9.1	9.4	(*)	27.0	28.7	(*)	71.2	67.3	(*)	19
3.1	3.1	(*)	11.0	11.6	(*)	1.8	1.8	(*)	9.9	9.6	(*)	10.6	11.5	(*)	20
4.9	4.9	(*)	17.3	17.7	(*)	3.9	4.1	(*)	14.5	14.1	(*)	12.3	11.8	(*)	21
95.7	97.7	97.6	433.0	427.1	422.4	92.3	95.0	94.9	357.9	366.2	367.6	305.2	305.1	311.0	22
6.1	5.9	5.8	16.1	16.1	15.8	2.3	2.2	2.3	12.7	12.8	12.8	12.9	12.2	12.2	23
64.7	64.3	64.3	264.5	267.7	265.4	68.2	70.8	70.7	231.4	242.0	242.9	159.9	161.6	165.4	24
2.0	1.9	1.9	9.7	10.4	10.1	1.4	1.4	1.4	18.3	19.0	19.0	6.3	5.8	5.7	25
3.5	3.5	3.5	13.1	13.6	13.5	1.9	1.9	1.9	9.3	9.9	9.9	12.1	11.5	11.9	26
40.1	40.5	40.6	161.1	164.7	164.4	32.5	32.9	32.9	121.0	121.8	122.2	197.5	197.5	197.7	27
9.9	9.8	9.8	34.8	34.3	34.2	11.1	11.1	11.1	28.3	28.8	28.8	35.2	34.8	34.9	28
138.0	136.7	136.9	453.3	455.2	448.8	106.2	109.1	109.0	380.7	393.3	393.8	344.4	334.7	341.4	29
53.6	50.7	50.6	157.6	155.8	153.1	43.4	43.8	43.9	125.7	128.6	128.8	94.5	92.3	94.1	30
2.2	2.1	2.1	9.2	9.1	9.0	1.9	1.9	1.9	6.7	6.8	6.9	6.1	6.2	6.3	31
71.5	69.6	69.7	226.4	222.7	218.6	56.3	55.4	55.3	208.0	210.3	211.5	140.1	135.1	138.3	32
6.4	6.4	6.5	22.5	22.0	22.1	3.3	3.4	3.4	18.4	18.4	18.6	12.1	11.6	12.3	33
22.5	23.5	23.4	69.8	70.3	69.9	12.6	12.7	12.7	54.0	55.5	55.8	70.1	70.7	70.3	34
4.5	4.8	4.8	15.6	15.5	15.5	2.2	2.3	2.2	9.6	10.0	10.2	7.7	8.0	8.0	35
1.9	1.9	1.9	9.3	9.5	9.3	2.1	2.0	2.0	6.9	6.9	7.0	5.8	6.0	6.0	36
46.9	46.3	46.4	161.7	160.6	159.8	41.5	42.7	42.6	114.9	116.3	117.2	132.4	129.7	132.0	37
7.1	7.2	7.2	22.0	21.4	21.6	7.0	6.8	6.9	17.3	17.5	17.7	29.0	28.1	29.5	38
24.3	23.5	23.7	67.9	66.8	66.5	24.7	25.2	25.2	57.5	58.0	58.6	43.2	41.8	42.3	39
23.5	24.9	25.0	77.8	80.1	82.4	18.1	18.0	18.0	162.8	165.3	166.3	56.7	57.0	58.6	40
13.0	13.7	13.7	44.4	45.5	48.1	10.6	10.3	10.4	102.4	103.0	103.3	25.8	26.3	27.0	41
7.9	8.4	8.4	24.3	25.1	24.9	6.1	6.2	6.1	40.6	40.1	40.5	15.8	16.3	16.9	42
13.8	13.9	13.7	80.3	84.6	83.6	19.2	20.0	19.9	68.1	72.3	72.5	57.6	58.0	58.1	43
4.7	4.7	4.5	18.4	19.1	18.9	6.2	6.2	6.2	14.6	15.5	15.5	8.5	8.5	8.6	44
1.9	2.0	2.0	11.8	12.5	12.4	1.9	1.9	1.9	8.9	9.5	9.4	5.7	5.9	5.9	45
(*)	187.4	188.2	(*)	662.9	657.9	(*)	156.2	156.0	(*)	613.9	615.4	(*)	522.0	525.2	46
(*)	3.8	3.8	(*)	18.1	17.7	(*)	4.6	4.6	(*)	37.6	37.9	(*)	15.1	15.3	47
(*)	14.6	14.7	(*)	85.6	85.0	(*)	15.6	16.6	(*)	66.3	66.9	(*)	61.6	61.3	48
(*)	20.4	20.4	(*)	112.6	112.1	(*)	17.4	17.3	(*)	74.7	74.8	(*)	44.9	44.6	49
(*)	24.3	24.0	(*)	43.2	43.2	(*)	8.8	8.7	(*)	31.9	32.3	(*)	44.9	44.7	50
(*)	5.9	5.9	(*)	39.3	39.0	(*)	8.0	8.0	(*)	41.2	41.5	(*)	33.7	33.8	51
(*)	24.0	24.2	(*)	66.0	65.1	(*)	10.0	10.0	(*)	41.4	41.7	(*)	44.6	47.0	52
(*)	73.5	74.9	(*)	170.0	172.6	(*)	63.7	63.5	(*)	196.7	196.8	(*)	148.9	149.4	53
(*)	6.5	6.6	(*)	38.8	39.2	(*)	9.1	9.1	(*)	33.1	33.0	(*)	26.6	26.9	54
(*)	5.3	5.3	(*)	25.6	25.4	(*)	7.4	7.4	(*)	42.5	41.7	(*)	44.3	44.7	55
(*)	3.0	2.8	(*)	8.9	8.8	(*)	2.4	2.4	(*)	8.5	8.4	(*)	12.6	12.5	56
27.9	28.9	28.9	100.8	101.3	100.1	20.9	20.8	20.7	90.0	90.3	91.0	124.8	125.2	127.0	57
11.5	11.8	11.7	46.1	45.7	45.1	10.8	10.9	10.8	43.2	43.9	44.2	42.8	42.9	43.6	58
430.0	427.7	429.1	1,439.7	1,438.6	1,427.4	612.7	627.6	627.5	1,672.3	1,701.6	1,717.2	1,316.7	1,295.2	1,310.6	59
15.7	15.7	15.7	67.6	67.0	65.9	15.4	15.6	15.6	70.2	70.8	71.2	99.6	96.5	99.2	60
4.6	4.5	4.5	21.3	21.5	21.3	4.1	4.0	3.9	17.8	18.5	18.6	23.5	22.9	23.4	61
26.7	26.0	25.8	112.2	112.0	111.1	21.8	22.3	22.3	98.9	100.8	102.0	88.7	86.1	87.2	62

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P
NEW YORK—Continued												
1 Elmira	36.4	37.0	36.8	(1)	(1)	(1)	.8	.9	.8	11.5	11.2	11.1
2 Monroe County	334.4	337.3	338.4	(1)	(1)	(1)	7.8	8.2	7.9	133.6	136.6	136.3
3 Nassau—Suffolk	894.5	900.6	899.9	(1)	(1)	(1)	31.8	32.7	32.1	168.2	166.6	166.1
4 New York—Northeastern New Jersey	(*)	6,640.1	(*)	(*)	3.0	(*)	(*)	177.8	(*)	(*)	1,301.2	(*)
5 New York and Nassau—Suffolk	4,596.9	4,614.9	4,630.8	1.6	1.8	1.8	118.1	119.4	119.9	764.4	736.0	747.0
6 New York SMSA	3,702.4	3,714.4	3,730.9	1.4	1.6	1.6	86.3	86.8	86.8	596.1	569.4	580.9
7 New York City	3,264.9	3,273.1	3,290.4	1.1	1.2	1.2	70.5	70.7	71.1	503.9	477.5	488.7
8 Poughkeepsie	96.2	95.8	96.6	(1)	(1)	(1)	2.3	2.3	2.2	31.5	31.6	31.8
9 Rochester	410.7	411.4	412.9	(1)	(1)	(1)	9.3	10.0	9.7	155.1	157.0	156.5
10 Rockland County	80.1	81.3	81.2	(1)	(1)	(1)	2.3	2.3	2.2	15.8	15.9	15.8
11 Syracuse	259.2	255.9	257.3	(1)	(1)	(1)	8.2	8.5	8.4	59.7	59.3	58.8
12 Utica—Rome	113.0	111.4	112.3	(1)	(1)	(1)	2.0	2.1	2.1	31.8	29.1	29.7
13 Westchester County	345.4	348.0	347.4	(1)	(1)	(1)	12.8	13.3	13.1	75.1	74.7	75.1
14 NORTH CAROLINA	2,369.5	2,377.5	2,375.7	5.1	4.9	4.9	114.5	109.8	107.6	829.4	819.4	819.4
15 Asheville	69.7	68.6	68.3	(1)	(1)	(1)	3.0	2.9	2.9	22.3	21.6	21.4
16 Charlotte—Gastonia	336.1	334.5	334.1	(1)	(1)	(1)	17.8	17.2	17.2	95.1	93.0	92.8
17 Greensboro—Winston-Salem—High Pt.	383.7	384.3	385.5	(1)	(1)	(1)	15.1	15.0	15.8	149.8	149.2	150.0
18 Raleigh—Durham	271.4	269.1	270.6	(1)	(1)	(1)	14.3	11.8	11.8	44.7	43.9	43.7
19 NORTH DAKOTA	238.5	240.8	240.8	6.8	9.1	9.2	13.6	12.0	11.5	16.2	14.8	14.8
20 Fargo—Moorhead	61.7	61.5	61.7	(2)	(2)	(2)	3.2	2.8	2.7	5.1	4.7	4.7
21 OHIO	4,388.1	4,303.8	4,298.9	30.2	30.8	30.3	158.9	150.2	146.0	1,319.4	1,239.9	1,236.5
22 Akron	263.0	254.9	256.5	(*)	(*)	(*)	7.4	6.4	6.2	82.7	75.8	76.9
23 Canton	157.6	153.4	153.0	(*)	(*)	(*)	4.9	4.6	4.4	58.3	54.7	54.7
24 Cincinnati	598.2	595.8	596.2	(*)	(*)	(*)	24.0	22.8	22.7	169.1	163.2	162.7
25 Cleveland	906.2	885.6	883.7	(*)	(*)	(*)	30.6	27.7	27.2	268.6	251.4	250.6
26 Columbus	508.7	510.7	510.1	(*)	(*)	(*)	18.5	17.3	16.9	100.3	95.3	94.6
27 Dayton	357.6	352.5	352.0	(*)	(*)	(*)	12.1	11.1	10.8	103.5	98.9	99.1
28 Toledo	294.0	291.0	289.5	(*)	(*)	(*)	10.9	11.8	11.1	78.1	75.3	73.9
29 Youngstown—Warren	206.9	194.5	193.0	(*)	(*)	(*)	6.0	6.3	5.9	75.8	65.2	63.9
30 OKLAHOMA	1,111.7	1,151.7	1,152.3	67.5	77.5	78.2	55.1	55.4	54.5	190.5	190.0	190.0
31 Oklahoma City	391.4	407.0	407.1	16.4	19.2	19.4	18.7	19.9	19.5	55.8	54.9	54.6
32 Tulsa	298.8	309.5	310.5	20.7	22.5	22.6	16.1	16.6	16.9	61.9	63.5	63.5
33 OREGON	1,048.7	1,006.1	994.3	2.1	2.0	2.1	47.0	36.9	35.5	218.6	204.1	194.3
34 Eugene—Springfield	104.3	100.9	100.5	(1)	(1)	(1)	4.6	3.9	4.0	20.2	18.8	18.6
35 Jackson County	-	-	-	-	-	-	-	-	-	7.5	7.0	6.8
36 Portland	558.6	542.9	531.2	(1)	(1)	(1)	25.6	21.7	20.5	115.8	110.1	100.5
37 Salem	86.5	84.4	84.5	(1)	(1)	(1)	4.3	3.9	3.8	12.4	11.3	11.2
38 PENNSYLVANIA	(*)	4,657.9	4,657.0	(*)	48.9	48.8	(*)	156.8	156.2	(*)	1,300.2	1,295.3
39 Allentown—Bethlehem—Easton	(*)	260.5	260.6	(*)	(1)	(1)	(*)	7.9	7.9	(*)	105.9	105.6
40 Altoona	(*)	47.5	48.5	(*)	(1)	(1)	(*)	2.2	2.2	(*)	10.9	11.9
41 Delaware Valley	(*)	1,564.1	1,564.0	(*)	(1)	(1)	(*)	56.5	56.6	(*)	363.4	361.4
42 Erie	(*)	110.5	111.0	(*)	(1)	(1)	(*)	2.9	2.6	(*)	40.7	40.8
43 Harrisburg	(*)	219.0	219.3	(*)	(1)	(1)	(*)	7.0	6.4	(*)	42.5	42.3
44 Johnstown	(*)	82.3	82.2	(*)	8.0	8.1	(*)	2.1	2.1	(*)	17.7	17.3
45 Lancaster	(*)	150.7	150.3	(*)	(1)	(1)	(*)	6.3	6.5	(*)	58.3	58.1
46 Northeast Pennsylvania	(*)	235.5	236.1	(*)	1.2	1.1	(*)	9.7	9.9	(*)	70.9	70.9
47 Philadelphia SMSA	(*)	1,889.6	1,889.2	(*)	(1)	(1)	(*)	68.0	67.8	(*)	432.8	430.6
48 Philadelphia City	(*)	777.3	779.1	(*)	(1)	(1)	(*)	19.6	19.4	(*)	132.0	131.6
49 Pittsburgh	(*)	938.9	934.4	(*)	10.2	10.2	(*)	36.8	36.9	(*)	239.9	240.4
50 Reading	(*)	139.7	140.3	(*)	(1)	(1)	(*)	4.8	4.6	(*)	54.4	54.5
51 Scranton	(*)	85.7	85.2	(*)	(1)	(1)	(*)	2.0	1.9	(*)	28.0	28.0
52 Wilkes-Barre—Hazleton	(*)	121.2	122.7	(*)	1.1	1.0	(*)	6.6	7.0	(*)	37.9	38.0
53 Williamsport	(*)	46.2	45.9	(*)	(1)	(1)	(*)	1.1	.9	(*)	15.9	15.9
54 York	(*)	155.0	153.5	(*)	(1)	(1)	(*)	6.2	6.1	(*)	65.3	63.8
55 RHODE ISLAND	390.8	392.7	391.7	(1)	(1)	(1)	10.9	11.3	11.1	129.1	126.2	125.7
56 Providence—Warwick—Pawtucket	400.5	400.2	399.0	(1)	(1)	(1)	11.0	11.5	11.3	143.9	139.3	138.6
57 SOUTH CAROLINA	1,182.6	1,175.8	1,179.4	1.9	1.9	1.9	71.5	68.8	68.3	400.1	388.3	387.5
58 Charleston—North Charleston	147.4	148.3	149.5	(1)	(1)	(1)	12.6	13.8	11.0	19.7	20.1	20.3
59 Columbia	177.9	179.5	180.0	(1)	(1)	(1)	8.1	8.4	8.4	27.8	27.3	27.4
60 Greenville—Spartanburg	264.0	264.6	263.9	(1)	(1)	(1)	15.8	16.9	16.9	107.3	103.8	103.2
61 SOUTH DAKOTA	234.6	229.7	229.1	2.7	2.7	2.7	9.0	7.9	7.5	27.4	25.0	25.0
62 Rapid City	31.6	30.6	30.6	(2)	(2)	(2)	2.0	1.7	1.6	3.3	3.0	3.1
63 Sioux Falls	53.7	53.4	53.2	(2)	(2)	(2)	2.4	1.8	1.9	7.9	8.0	7.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	
1.4	1.3	1.3	8.0	8.9	8.8	1.0	1.1	1.1	6.9	7.3	7.3	6.8	6.3	6.5	1
10.2	10.1	10.1	59.4	59.2	58.5	14.1	14.2	14.3	67.4	68.4	69.4	41.8	40.6	41.9	2
38.7	38.9	39.1	230.2	237.5	235.4	51.2	51.7	51.6	154.5	198.7	199.7	179.8	174.6	175.9	3
(*)	458.6	(*)	(*)	1,400.9	(*)	(*)	632.2	(*)	(*)	1,589.3	(*)	(*)	1,077.1	(*)	4
318.3	318.1	319.5	939.9	947.2	941.6	509.7	523.4	523.4	1,176.4	1,208.2	1,211.4	766.5	760.8	767.3	5
279.6	279.2	280.4	709.7	709.7	706.2	458.5	471.7	471.7	982.1	1,009.7	1,011.9	588.6	586.3	591.4	6
256.3	255.9	257.1	609.7	606.5	603.8	437.8	450.4	450.4	876.9	902.7	905.4	508.8	508.2	512.7	7
2.8	2.9	2.8	15.8	16.0	16.0	2.7	2.7	2.7	17.4	17.3	17.7	23.7	23.1	23.4	8
12.8	12.7	12.6	75.6	75.4	74.7	15.7	15.8	15.9	79.0	79.2	80.3	63.2	61.4	63.3	9
3.5	3.5	3.5	17.2	17.9	17.8	2.5	2.5	2.5	17.5	18.0	18.1	21.1	21.1	21.4	10
14.7	14.6	14.6	56.1	56.0	55.1	15.8	16.4	16.4	53.8	51.5	53.6	50.9	49.6	50.4	11
3.9	3.9	3.9	20.9	21.5	21.3	5.4	5.4	5.4	20.0	20.7	21.0	29.0	28.7	29.0	12
15.2	19.3	19.2	79.9	82.3	81.7	17.8	18.3	18.3	85.1	86.6	86.0	55.5	53.6	54.0	13
117.1	115.7	116.4	461.9	470.4	466.0	93.8	95.1	95.1	333.0	342.7	344.8	414.7	410.5	421.5	14
3.6	3.7	3.7	14.3	14.5	14.5	2.1	2.0	2.1	12.4	12.0	12.0	12.0	11.8	11.8	15
31.2	30.8	30.9	82.9	82.8	82.3	20.9	20.9	20.9	51.2	52.6	52.5	37.0	37.2	37.5	16
21.7	20.9	21.1	76.2	76.2	75.5	17.8	18.0	18.0	55.5	56.4	57.3	46.6	47.6	47.8	17
13.2	13.7	13.7	52.4	51.7	51.5	15.3	15.6	15.5	56.7	57.8	57.9	74.8	74.6	76.5	18
16.3	17.4	17.3	64.9	65.5	65.1	11.2	11.6	11.6	48.2	49.4	49.5	61.3	61.0	61.8	19
3.9	4.0	4.0	18.5	18.7	18.5	3.8	3.8	3.8	13.7	14.0	14.2	13.5	13.5	13.9	20
222.5	217.9	216.5	949.8	949.1	936.4	203.6	206.5	206.3	809.8	818.4	827.1	694.0	691.1	699.8	21
14.4	13.5	13.6	55.1	55.8	54.9	9.4	9.2	9.3	48.9	49.9	50.1	44.8	43.8	45.2	22
7.3	6.9	6.9	32.6	32.3	31.8	6.1	6.3	6.2	28.2	28.7	29.9	19.2	19.0	19.0	23
33.7	33.0	33.0	138.1	139.4	137.8	32.1	32.9	32.8	116.8	119.5	120.8	85.1	84.8	86.1	24
45.3	44.7	43.8	207.6	205.7	202.7	48.7	48.6	48.5	183.4	184.3	186.8	120.4	121.0	122.8	25
24.5	24.3	24.4	119.8	122.2	120.3	37.3	39.0	39.2	102.4	106.1	107.2	195.1	195.8	196.9	26
13.1	13.1	13.0	73.6	72.0	70.5	13.4	13.6	13.6	71.7	73.3	74.2	69.9	70.1	70.4	27
19.7	19.4	19.3	66.4	65.4	64.5	10.6	10.8	10.9	59.1	60.0	60.1	48.6	48.0	48.2	28
9.6	9.0	8.9	44.6	43.7	43.0	7.0	7.1	7.2	37.1	37.3	37.5	26.2	25.5	26.1	29
68.3	68.0	68.1	253.4	272.9	271.3	55.2	57.0	56.8	191.1	203.7	205.1	225.6	227.2	228.3	30
23.4	24.2	24.3	94.6	100.2	99.9	24.2	24.9	24.9	70.8	75.0	76.0	87.5	88.7	88.5	31
23.8	24.1	24.1	70.2	71.5	71.4	15.1	15.5	15.6	58.3	62.5	63.0	32.7	33.3	33.4	32
60.2	59.3	59.2	252.4	249.1	245.1	69.5	67.1	67.1	190.4	187.6	188.5	208.5	200.0	202.5	33
5.2	5.2	5.2	25.6	25.3	24.9	5.4	5.3	5.2	19.7	19.9	19.8	23.6	22.5	22.8	34
36.5	35.6	35.6	141.5	139.5	137.6	45.2	45.4	45.1	110.9	110.2	111.1	83.1	80.4	80.8	35
2.8	2.8	2.8	18.7	19.0	18.9	5.5	5.4	5.4	14.8	14.8	14.9	28.0	27.2	27.5	36
(*)	255.3	256.0	(*)	974.9	963.8	(*)	238.0	237.7	(*)	961.0	964.3	(*)	722.6	734.9	38
(*)	13.7	13.8	(*)	49.4	48.7	(*)	9.7	9.7	(*)	44.5	45.0	(*)	22.6	22.9	39
(*)	6.5	6.5	(*)	10.5	10.5	(*)	1.5	1.5	(*)	8.5	8.4	(*)	7.5	7.5	40
(*)	81.7	81.7	(*)	326.3	322.0	(*)	109.7	109.7	(*)	393.9	399.5	(*)	237.6	233.1	41
(*)	5.4	5.4	(*)	22.1	21.7	(*)	4.9	4.9	(*)	22.5	23.0	(*)	12.0	12.6	42
(*)	15.8	15.9	(*)	44.6	44.8	(*)	13.3	13.2	(*)	35.1	39.7	(*)	56.7	57.0	43
(*)	4.6	4.6	(*)	16.1	15.9	(*)	4.0	4.0	(*)	15.6	15.5	(*)	14.7	14.7	44
(*)	5.8	6.0	(*)	35.2	32.7	(*)	5.7	5.7	(*)	26.8	26.6	(*)	14.6	14.7	45
(*)	13.1	13.2	(*)	49.6	49.4	(*)	9.7	9.7	(*)	42.7	42.2	(*)	38.6	39.7	46
(*)	96.3	96.4	(*)	411.9	407.1	(*)	126.3	126.3	(*)	460.2	466.6	(*)	294.1	294.4	47
(*)	50.4	50.6	(*)	144.3	142.5	(*)	67.1	66.6	(*)	217.6	222.0	(*)	146.3	146.4	48
(*)	58.4	57.4	(*)	210.0	206.0	(*)	45.5	45.1	(*)	214.4	214.4	(*)	123.7	124.0	49
(*)	6.3	6.3	(*)	28.1	27.7	(*)	6.2	6.2	(*)	23.3	23.5	(*)	15.6	17.5	50
(*)	4.3	4.3	(*)	19.0	18.6	(*)	3.6	3.6	(*)	16.9	16.8	(*)	11.9	12.0	51
(*)	7.0	7.1	(*)	25.6	25.7	(*)	5.0	5.0	(*)	18.5	19.0	(*)	19.5	19.9	52
(*)	2.3	2.4	(*)	10.0	10.0	(*)	2.2	2.2	(*)	8.2	8.0	(*)	6.5	6.5	53
(*)	7.0	7.1	(*)	33.0	33.2	(*)	3.8	3.7	(*)	21.0	21.8	(*)	17.8	17.8	54
12.9	13.2	13.1	78.0	80.2	79.4	20.6	20.8	20.7	79.9	81.7	82.3	59.5	59.3	59.4	55
13.0	13.2	13.1	79.0	80.8	79.9	20.7	20.8	20.7	76.9	78.0	79.6	56.0	55.7	55.8	56
52.6	54.0	53.7	217.4	220.0	219.1	46.2	47.3	47.5	152.9	154.4	157.3	240.0	241.1	244.1	57
8.5	9.4	9.3	30.8	31.4	31.3	6.1	6.2	6.3	23.5	24.5	24.7	46.2	45.9	46.6	58
9.4	9.6	9.6	37.5	37.5	37.3	13.7	14.2	14.2	27.0	26.5	26.6	54.4	56.0	56.5	59
10.2	9.9	10.0	50.0	52.1	51.6	9.1	9.4	9.4	36.1	36.9	37.0	35.5	35.6	35.8	60
13.3	13.5	13.5	64.2	61.7	61.4	10.9	11.0	10.9	49.5	48.8	49.1	58.6	59.1	59.0	61
1.9	1.9	2.0	9.1	8.4	8.3	1.5	1.6	1.5	6.5	6.6	6.7	7.3	7.4	7.4	62
4.9	4.9	4.9	16.1	15.7	15.6	3.2	3.3	3.3	12.3	13.0	13.0	6.9	6.7	6.7	63

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P
1 TENNESSEE	(*)	1,706.6	1,703.9	(*)	9.6	9.7	(*)	65.9	63.5	(*)	502.8	503.4
2 Chattanooga	169.3	166.1	166.0	1.1	1.1	1.2	6.1	6.2	6.1	51.9	48.9	49.1
3 Knoxville	(*)	199.9	(*)	(*)	1.6	(*)	(*)	10.1	(*)	(*)	52.6	(*)
4 Memphis	356.3	355.1	354.5	.2	.1	.1	14.9	15.1	14.8	59.6	59.0	58.3
5 Nashville—Davidson	356.7	354.1	353.2	(1)	(1)	(1)	17.1	16.3	16.2	81.5	78.9	79.1
6 TEXAS	5,719.2	5,989.4	6,006.8	220.9	254.2	256.9	416.8	419.5	416.0	1,025.6	1,068.3	1,072.4
7 Amarillo	74.9	75.0	74.8	(1)	(1)	(1)	4.3	3.9	3.8	9.9	10.1	9.7
8 Austin	240.9	242.3	245.2	(1)	(1)	(1)	13.7	14.3	13.7	29.7	30.4	30.6
9 Beaumont—Port Arthur—Orange	138.3	153.8	(*)	(1)	(1)	(*)	12.2	11.4	(*)	29.0	43.6	(*)
10 Corpus Christi	124.5	122.7	122.8	6.5	6.2	6.2	13.7	12.4	12.6	15.9	16.4	15.9
11 Dallas—Fort Worth	1,427.0	1,483.7	1,490.3	23.4	26.2	26.5	82.7	86.1	86.4	316.5	321.0	321.5
12 El Paso	160.6	162.8	163.0	(1)	(1)	(1)	8.5	7.5	7.6	35.8	35.7	36.2
13 Galveston—Texas City	67.1	70.6	71.2	(1)	(1)	(1)	4.9	4.3	4.3	10.0	12.3	12.3
14 Houston	1,415.3	1,464.2	1,467.2	78.4	82.5	82.9	142.8	143.9	144.6	231.3	247.7	248.8
15 Lubbock	89.3	89.4	88.5	(1)	(1)	(1)	4.2	4.3	4.1	13.6	12.4	12.1
16 San Antonio	393.3	400.5	402.3	2.4	2.7	2.7	27.1	28.4	28.0	50.5	51.9	52.2
17 Waco	70.8	72.1	72.5	(1)	(1)	(1)	3.8	3.6	3.6	16.9	16.8	16.9
18 Wichita Falls	51.9	53.1	52.8	3.0	3.4	3.3	2.6	2.4	2.4	9.4	9.8	9.6
19 UTAH	544.8	552.1	553.2	18.1	19.8	19.8	28.5	26.9	26.3	97.4	89.2	89.0
20 Salt Lake City—Ogden	386.6	390.5	391.6	7.5	7.9	7.9	19.9	18.5	18.0	60.1	61.2	61.1
21 VERMONT	198.6	203.3	204.5	.7	.4	.5	8.2	8.7	8.2	51.2	50.2	50.3
22 Burlington ¹⁵	56.0	57.5	58.2	-	-	-	-	-	-	14.3	15.1	15.2
23 Springfield ¹⁵	14.5	14.3	14.4	-	-	-	-	-	-	6.2	6.4	6.4
24 VIRGINIA	2,087.5	2,113.4	2,108.1	23.9	23.6	23.6	116.2	107.1	106.9	414.6	408.7	406.5
25 Bristol	28.0	23.5	28.3	(1)	(1)	(1)	1.1	1.2	1.1	9.6	9.3	9.3
26 Lynchburg	72.2	71.7	71.4	(1)	(1)	(1)	3.3	3.3	3.2	29.5	29.1	28.8
27 Newport News—Hampton	145.9	151.9	152.1	(1)	(1)	(1)	6.5	6.5	6.5	33.9	35.9	36.0
28 Norfolk—Virginia Beach—Portsmouth	281.3	282.2	281.0	(1)	(1)	(1)	14.7	14.6	14.8	29.7	28.7	27.3
29 Northern Virginia ¹⁶	421.9	432.7	432.2	.4	.4	.4	26.0	25.3	25.7	17.0	17.3	17.5
30 Petersburg—Colonial Hights—Hopewell	47.2	46.3	46.1	(1)	(1)	(1)	2.7	2.2	2.0	12.0	11.7	11.6
31 Richmond	324.2	326.9	326.8	.4	.4	.4	16.6	15.6	15.3	55.9	55.9	55.9
32 Roanoke	103.5	103.3	103.0	.1	.1	.1	5.6	5.1	4.9	20.8	20.9	21.0
33 WASHINGTON	(*)	1,580.8	(*)	(*)	3.1	(*)	(*)	86.2	(*)	(*)	298.8	(*)
34 Seattle—Everett	(*)	784.6	(*)	(*)	(*)	(*)	(*)	35.2	(*)	(*)	173.7	(*)
35 Spokane	(*)	125.1	(*)	(*)	(1)	(*)	(*)	5.0	(*)	(*)	16.2	(*)
36 Tacoma	(*)	140.8	(*)	(*)	(1)	(*)	(*)	6.6	(*)	(*)	22.1	(*)
37 WEST VIRGINIA	633.7	633.1	634.8	65.7	66.1	66.2	29.8	26.5	26.1	119.5	115.7	115.7
38 Charleston	114.9	113.8	113.6	7.3	6.8	5.9	5.5	5.2	5.2	18.5	17.4	17.3
39 Huntington—Ashland	102.5	102.6	103.1	1.1	1.1	1.1	4.6	3.6	3.6	26.9	26.3	26.0
40 Parkersburg—Marietta	58.1	56.9	57.1	.8	.9	.9	3.0	2.6	2.6	17.7	16.7	16.7
41 Wheeling	64.8	64.1	63.9	5.9	5.3	5.2	2.4	2.1	2.1	12.1	11.8	11.8
42 WISCONSIN	1,932.5	1,914.3	1,908.5	2.1	1.7	1.7	61.6	62.3	58.6	577.4	544.8	539.4
43 Appleton—Oshkosh	126.0	122.9	123.3	(1)	(1)	(1)	5.4	5.7	5.6	48.8	45.8	45.7
44 Eau Claire	47.0	47.9	48.2	(1)	(1)	(1)	1.5	1.8	1.7	8.9	8.7	8.6
45 Green Bay	76.3	77.2	76.9	(1)	(1)	(1)	2.9	2.7	2.4	21.3	20.8	20.9
46 Janesville—Beloit	49.0	51.4	51.5	(1)	(1)	(1)	1.6	1.9	1.6	17.6	20.5	20.7
47 Kenosha	45.6	41.8	38.0	(1)	(1)	(1)	2.7	1.8	1.9	19.0	16.4	12.3
48 La Crosse	44.1	45.1	45.2	(1)	(1)	(1)	1.4	1.3	1.3	11.0	10.5	10.6
49 Madison	166.6	165.0	169.1	(1)	(1)	(1)	6.0	6.0	5.6	20.0	19.7	19.7
50 Milwaukee	678.9	670.4	667.7	(1)	(1)	(1)	18.8	20.0	18.7	217.5	201.8	200.8
51 Racine	71.3	68.0	67.9	(1)	(1)	(1)	1.7	1.6	1.3	32.2	29.5	29.7
52 WYOMING	198.0	203.4	200.0	33.5	36.5	36.0	16.9	17.5	16.8	9.1	11.0	10.9
53 Casper	37.1	38.8	38.6	6.6	5.9	5.8	3.1	3.4	3.1	1.6	1.7	1.8
54 Cheyenne	29.3	29.1	28.5	(1)	(1)	(1)	1.8	2.2	2.2	1.5	1.5	1.6
55 PUERTO RICO	(*)	(*)	(*)	(*)	.9	(*)	(*)	34.1	(*)	(*)	(*)	(*)
56 Caguas	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
57 Mayaguez	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
58 Ponce	(*)	(*)	(*)	(*)	(*)	(*)	(*)	3.0	(*)	(*)	(*)	(*)
59 San Juan	(*)	(*)	(*)	(*)	(*)	(*)	(*)	23.2	(*)	(*)	(*)	(*)
60 VIRGIN ISLANDS	(*)	36.3	36.5	(*)	(2)	(2)	(*)	2.9	2.6	(*)	3.0	3.1

¹ Combined with services.
² Combined with construction.
³ State and areas revised to 1980 benchmark; not strictly comparable with previously published data.
⁴ Area included in Chicago-Gary Standard Consolidated Statistical Area.
⁵ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.
⁶ Subarea of New York—Northeastern New Jersey.
⁷ Subarea of Rochester Standard Metropolitan Statistical Area.
⁸ Area included in New York and Nassau-Suffolk combined SMSA's.
⁹ New York portion revised to 1980 benchmark; not strictly comparable with previously published data.
¹⁰ Subarea of New York Standard Metropolitan Statistical Area.
¹¹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

**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		
FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P
(*)	81.3	81.4	(*)	369.1	366.2	(*)	77.4	77.0	(*)	282.9	283.2	(*)	317.6	319.5
7.2	7.1	7.1	32.7	32.5	32.3	9.5	9.4	9.4	27.2	27.5	27.3	33.7	33.4	33.5
(*)	8.1	(*)	(*)	41.5	(*)	(*)	8.1	(*)	(*)	31.5	(*)	(*)	46.4	(*)
27.6	26.5	26.3	95.8	96.6	96.5	19.2	19.2	19.2	71.6	72.7	72.7	67.4	65.9	65.6
19.2	19.0	18.9	81.0	79.2	78.0	24.2	24.1	24.3	69.0	72.0	72.1	64.7	64.6	64.6
359.1	371.0	371.7	1,401.9	1,439.9	1,430.2	326.4	346.2	347.3	986.6	1,043.1	1,053.6	981.9	1,047.2	1,058.7
7.1	7.2	7.2	22.3	22.3	22.2	3.8	3.6	3.6	14.7	15.2	15.4	12.8	12.7	12.9
7.2	7.2	7.1	50.9	52.0	51.7	14.3	14.4	14.4	43.4	44.0	44.0	81.7	80.0	83.7
11.6	11.9	(*)	33.7	34.1	(*)	5.4	5.5	(*)	25.8	26.8	(*)	20.6	20.5	(*)
7.4	7.4	7.5	28.6	27.6	27.7	5.6	5.2	5.3	20.3	21.3	21.3	26.5	26.2	26.3
92.7	94.5	94.9	376.7	390.3	394.1	106.6	112.6	113.0	248.0	260.9	265.3	180.4	186.1	188.6
10.9	11.3	11.1	39.4	39.3	38.9	7.3	7.3	7.3	25.2	25.0	25.6	33.5	36.7	36.3
6.3	6.5	7.0	13.3	13.8	13.7	4.5	4.7	4.7	10.6	11.0	11.1	17.5	18.0	18.1
100.2	104.3	104.5	345.0	347.6	345.2	85.9	90.3	90.2	269.5	282.1	284.9	162.2	165.4	166.1
5.2	5.2	5.0	26.1	26.8	26.4	4.7	4.8	4.8	16.2	16.8	17.2	19.3	19.1	18.9
18.1	18.3	18.3	97.1	98.4	98.2	26.1	27.6	27.8	77.9	80.0	81.4	94.1	93.2	93.7
3.3	3.5	3.5	16.5	17.1	17.1	3.9	4.2	4.2	14.8	15.2	15.4	11.6	11.7	11.8
2.6	2.7	2.7	13.0	13.4	13.3	2.3	2.3	2.3	8.0	8.2	8.2	11.0	10.9	11.0
33.7	34.2	34.4	126.7	128.1	127.2	25.8	26.1	26.0	98.8	100.2	101.2	125.8	127.6	129.4
26.8	27.0	27.1	94.2	95.7	95.2	20.7	20.9	20.8	67.7	68.5	69.2	89.7	90.8	92.2
8.7	8.5	8.5	39.8	41.2	41.0	7.9	8.4	8.3	44.3	48.7	49.0	37.8	37.2	38.7
2.4	2.4	2.3	11.7	11.9	11.9	-	-	-	11.7	12.3	12.5	-	-	-
.7	.7	.6	2.0	2.0	2.0	-	-	-	2.9	2.6	2.7	-	-	-
113.1	114.3	114.2	436.7	448.5	445.7	104.4	105.7	106.0	375.6	388.0	389.8	503.0	514.5	515.4
1.1	1.2	1.2	6.5	6.7	6.6	1.0	1.0	1.0	3.7	3.8	3.7	5.0	5.3	5.4
2.7	2.7	2.7	11.9	11.4	11.4	3.5	3.6	3.6	10.8	11.0	11.1	10.5	10.6	10.6
4.9	5.1	5.1	27.7	28.6	28.6	5.1	5.0	5.0	25.9	27.8	28.0	41.9	43.0	42.9
18.8	18.6	19.0	68.3	69.2	69.0	14.7	14.5	14.5	53.0	55.4	55.4	82.1	81.2	81.0
28.6	29.1	28.7	96.9	99.3	97.6	26.4	27.2	27.4	109.4	113.5	114.1	117.2	120.6	120.8
1.6	1.5	1.5	8.1	8.1	8.1	1.3	1.3	1.2	6.0	6.3	6.4	15.5	15.2	15.3
19.4	19.8	19.8	72.4	74.0	73.6	26.8	26.8	26.7	57.3	58.9	59.4	75.4	75.5	75.7
10.0	9.6	9.5	25.5	25.8	25.6	6.3	6.2	6.2	19.2	19.5	19.5	15.9	16.1	16.2
(*)	90.0	(*)	(*)	372.6	(*)	(*)	91.9	(*)	(*)	308.4	(*)	(*)	329.8	(*)
(*)	53.1	(*)	(*)	188.2	(*)	(*)	57.3	(*)	(*)	156.7	(*)	(*)	119.4	(*)
(*)	7.8	(*)	(*)	34.6	(*)	(*)	8.4	(*)	(*)	29.5	(*)	(*)	23.6	(*)
(*)	7.0	(*)	(*)	32.8	(*)	(*)	7.3	(*)	(*)	31.5	(*)	(*)	32.5	(*)
42.4	42.6	42.6	126.1	130.3	130.3	21.6	22.2	22.2	93.9	97.3	97.6	134.7	132.4	134.1
9.9	9.7	9.8	26.0	26.8	26.4	5.1	5.0	5.0	19.9	20.3	20.3	22.8	22.6	22.8
9.8	9.9	9.9	22.8	23.9	24.7	3.8	3.8	3.8	14.8	15.1	15.1	18.8	19.0	19.0
2.5	2.5	2.5	12.5	12.7	12.6	2.0	2.1	2.1	9.3	10.0	10.0	9.9	9.6	9.9
3.8	3.8	3.8	15.4	15.4	15.2	2.7	2.8	2.8	13.3	13.7	13.8	9.1	9.3	9.2
90.7	90.0	90.2	427.7	428.4	424.6	91.6	93.8	93.7	356.5	368.9	371.3	325.0	324.3	328.8
4.3	4.4	4.4	25.4	24.8	24.7	5.2	5.4	5.4	19.9	20.6	20.7	15.9	15.2	16.8
2.6	2.5	2.6	12.6	12.7	12.8	1.5	1.6	1.6	9.4	10.0	10.0	10.5	10.5	10.9
5.6	5.9	5.9	19.3	19.7	19.4	2.4	2.4	2.4	14.8	15.2	15.4	10.1	10.5	10.6
2.2	2.1	2.1	11.2	10.8	10.7	1.3	1.3	1.3	8.6	8.0	8.0	6.6	6.9	7.1
1.2	1.1	1.1	7.9	7.8	7.7	1.1	1.1	1.1	7.9	7.8	8.0	5.9	5.9	6.0
2.4	2.3	2.3	11.4	12.2	12.2	1.1	1.1	1.1	9.7	10.6	10.7	7.1	7.1	7.1
6.2	6.4	6.4	34.5	34.9	34.7	12.3	12.8	12.8	30.5	31.1	31.6	57.1	58.0	58.3
34.7	33.9	33.9	143.2	143.4	141.9	39.3	39.4	39.6	138.1	144.5	145.6	87.2	86.9	87.2
2.3	2.3	2.3	12.9	12.4	12.3	2.2	2.1	2.1	11.3	11.2	11.3	8.7	8.9	8.8
16.6	17.9	18.0	43.1	41.5	39.1	7.2	7.3	7.2	28.2	28.4	28.6	43.4	43.2	43.4
2.6	3.3	3.2	10.4	9.8	9.9	1.7	1.9	1.9	5.6	5.8	6.0	5.5	6.0	5.9
4.4	4.5	4.2	6.8	6.5	6.2	1.6	1.5	1.4	4.6	4.3	4.3	8.6	8.6	8.6
(*)	18.2	(*)	(*)	116.0	(*)	(*)	27.9	(*)	(*)	85.1	(*)	(*)	262.7	(*)
(*)	(*)	(*)	(*)	5.6	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	12.4	(*)
(*)	(*)	(*)	(*)	0.7	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	15.8	(*)
(*)	(*)	(*)	(*)	8.0	(*)	(*)	(*)	(*)	(*)	7.1	(*)	(*)	18.8	(*)
(*)	14.0	(*)	(*)	73.3	(*)	(*)	20.9	(*)	(*)	(*)	(*)	(*)	124.4	(*)
(*)	2.0	2.1	(*)	7.5	7.5	(*)	1.5	1.6	(*)	6.1	6.2	(*)	13.3	13.4

¹² Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.

¹³ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

¹⁴ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

¹⁵ Total includes data for industry divisions not shown separately.

¹⁶ 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.

ington, Fairfax, Loudoun, and Prince William Counties, Virginia.

p = preliminary.

* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
-	TOTAL PRIVATE	\$226.75	\$229.15	\$246.75	\$247.10	\$249.92	\$6.46	\$6.51	\$7.03	\$7.06	\$7.10
-	MINING	384.48	388.43	425.43	425.95	419.90	8.90	8.95	9.78	9.86	9.88
10	METAL MINING	408.70	412.83	444.85	454.28	-	9.92	9.90	10.93	11.08	-
101	Iron ores	434.89	448.74	432.80	458.24	-	10.53	10.44	11.48	11.66	-
102	Copper ores	431.34	429.42	488.75	489.72	-	10.27	10.20	11.50	11.55	-
11, 12	COAL MINING	427.04	426.06	455.22	460.20	-	10.34	10.52	11.13	11.17	-
12	BITUMINOUS COAL AND LIGNITE MINING	427.87	427.28	457.56	461.44	-	10.36	10.55	11.16	11.20	-
13	OIL AND GAS EXTRACTION	373.88	378.18	421.80	421.23	-	8.29	8.33	9.25	9.34	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	383.39	394.56	440.79	441.91	-	9.42	9.60	10.52	10.70	-
138	Oil and gas field services	370.33	371.92	415.58	413.92	-	7.93	7.93	8.88	8.94	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	305.15	314.36	342.93	331.68	-	7.18	7.21	8.05	8.07	-
142	Crushed and broken stone	298.41	305.06	322.15	300.99	-	6.86	6.84	7.58	7.62	-
-	CONSTRUCTION	343.08	350.42	379.65	364.00	386.88	9.61	9.68	10.43	10.40	10.40
15	GENERAL BUILDING CONTRACTORS	312.93	318.05	338.56	325.08	-	8.89	9.01	9.51	9.45	-
152	Residential building construction	288.46	297.21	316.89	303.41	-	8.41	8.59	9.08	9.03	-
153	Operative builders	268.07	280.60	301.80	285.10	-	7.77	8.04	8.36	8.24	-
154	Nonresidential building construction	339.34	340.20	361.28	347.84	-	9.40	9.45	9.98	9.91	-
16	HEAVY CONSTRUCTION CONTRACTORS	324.49	349.84	381.12	357.64	-	8.63	8.79	9.60	9.64	-
161	Highway and street construction	294.89	313.58	337.95	307.82	-	7.97	8.02	8.47	8.48	-
162	Heavy construction, except highway	334.53	362.40	395.60	373.00	-	8.85	9.06	9.99	10.00	-
17	SPECIAL TRADE CONTRACTORS	364.32	366.74	397.65	384.41	-	10.35	10.36	11.17	11.11	-
171	Plumbing, heating, air conditioning	386.14	390.38	423.72	410.70	-	10.38	10.41	11.18	11.13	-
172	Painting, paper hanging, decorating	322.39	330.43	349.17	334.99	-	9.51	9.55	10.18	9.97	-
173	Electrical work	425.61	428.26	469.48	452.64	-	11.38	11.39	12.42	12.30	-
174	Masonry, stonework, and plastering	336.67	331.99	356.86	344.71	-	10.02	10.03	10.88	10.84	-
175	Carpentering and flooring	302.45	308.59	321.68	328.21	-	9.11	9.13	9.99	10.13	-
176	Roofing and sheet metal work	280.52	265.22	291.84	276.08	-	9.02	8.90	9.60	9.52	-
-	MANUFACTURING	278.60	280.99	308.43	305.73	311.60	7.00	7.06	7.73	7.74	7.79
24, 25, 32-39	DURABLE GOODS	300.64	303.86	333.30	329.57	337.79	7.46	7.54	8.25	8.26	8.32
20-23, 26-31	NONDURABLE GOODS	243.90	245.07	271.35	270.36	272.92	6.27	6.30	6.94	6.95	6.98
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	243.71	243.21	264.62	262.66	267.05	6.33	6.35	6.82	6.84	6.83
241	Logging camps and logging contractors	320.32	312.91	332.25	315.95	-	8.32	8.30	8.86	8.90	-
242	Sawmills and planing mills	254.80	251.94	281.78	278.64	-	6.50	6.51	7.08	7.09	-
2421	Sawmills and planing mills, general	268.03	265.39	297.60	293.18	-	6.82	6.84	7.44	7.46	-
2426	Hardwood dimension and flooring	179.08	179.93	195.72	196.31	-	4.58	4.59	4.93	4.92	-
243	Millwork, plywood, and structural members	240.86	242.55	262.47	262.29	-	6.24	6.30	6.73	6.76	-
2431	Millwork	239.40	242.11	256.70	258.70	-	6.17	6.24	6.72	6.79	-
2434	Wood kitchen cabinets	209.81	210.50	232.86	230.35	-	5.61	5.72	6.08	6.11	-
2435	Hardwood veneer and plywood	192.61	201.20	215.34	219.37	-	4.99	5.03	5.37	5.39	-
2436	Softwood veneer and plywood	308.85	308.88	326.36	327.18	-	7.76	7.80	8.20	8.20	-
244	Wooden containers	178.93	184.46	196.51	197.95	-	4.81	4.88	5.34	5.35	-
245	Wood buildings and mobile homes	204.86	210.45	219.39	220.35	-	5.87	6.03	6.18	6.26	-
2451	Mobile homes	206.15	209.75	212.71	215.51	-	5.84	6.01	6.06	6.14	-
249	Miscellaneous wood products	211.20	212.40	228.34	232.93	-	5.28	5.31	5.68	5.78	-
25	FURNITURE AND FIXTURES	204.29	206.75	217.17	219.46	224.64	5.32	5.37	5.70	5.73	5.76
251	Household furniture	189.74	191.76	200.19	203.84	-	4.98	5.02	5.31	5.35	-
2511	Wood household furniture	177.02	178.64	187.07	191.07	-	4.61	4.64	4.91	4.95	-
2512	Upholstered household furniture	198.59	203.04	208.99	215.02	-	5.31	5.40	5.71	5.78	-
2514	Metal household furniture	199.68	201.37	210.27	211.30	-	5.20	5.15	5.49	5.46	-
2515	Mattresses and bedsprings	214.88	215.84	221.49	224.47	-	5.64	5.68	5.97	5.97	-
252	Office furniture	226.58	223.69	246.93	247.90	-	5.78	5.78	6.22	6.26	-
253	Public building and related furniture	223.11	233.04	246.54	248.13	-	5.78	5.87	6.21	6.25	-
254	Partitions and fixtures	250.91	255.06	268.03	263.52	-	6.45	6.54	6.98	6.99	-
259	Miscellaneous furniture and fixtures	228.53	230.44	244.22	246.51	-	5.89	5.97	6.41	6.47	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
-	TOTAL PRIVATE	35.4	35.2	35.1	35.0	35.2	-	-	-	-	-
-	MINING	43.2	43.4	43.5	43.2	42.5	-	-	-	-	-
10	METAL MINING	41.2	41.7	40.7	41.0	-	-	-	-	-	-
101	Iron ores	41.3	42.6	37.7	39.3	-	-	-	-	-	-
102	Copper ores	42.0	42.1	42.5	42.4	-	-	-	-	-	-
11, 12	COAL MINING	41.3	40.5	40.9	41.2	-	-	-	-	-	-
12	BITUMINOUS COAL AND LIGNITE MINING	41.3	40.5	41.0	41.2	-	-	-	-	-	-
13	OIL AND GAS EXTRACTION	45.1	45.4	45.6	45.1	-	-	-	-	-	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	40.7	41.1	41.9	41.3	-	-	-	-	-	-
138	Oil and gas field services	46.7	46.9	46.8	46.3	-	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	42.5	43.6	42.6	41.1	-	-	-	-	-	-
142	Crushed and broken stone	43.5	44.6	42.5	39.5	-	-	-	-	-	-
-	CONSTRUCTION	35.7	36.2	36.4	35.0	37.2	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS	35.2	35.3	35.6	34.4	-	-	-	-	-	-
152	Residential building construction	34.3	34.6	34.9	33.6	-	-	-	-	-	-
153	Operative builders	34.5	34.9	36.1	34.6	-	-	-	-	-	-
154	Nonresidential building construction	36.1	36.0	36.2	35.1	-	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS	37.6	39.8	39.7	37.1	-	-	-	-	-	-
161	Highway and street construction	37.0	39.1	39.9	36.3	-	-	-	-	-	-
162	Heavy construction, except highway	37.8	40.0	39.6	37.3	-	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS	35.2	35.4	35.6	34.6	-	-	-	-	-	-
171	Plumbing, heating, air conditioning	37.2	37.5	37.9	36.9	-	-	-	-	-	-
172	Painting, paper hanging, decorating	33.9	34.6	34.3	33.6	-	-	-	-	-	-
173	Electrical work	37.4	37.6	37.8	36.8	-	-	-	-	-	-
174	Masonry, stonework, and plastering	33.6	33.1	32.8	31.8	-	-	-	-	-	-
175	Carpentering and flooring	33.2	33.8	32.2	32.4	-	-	-	-	-	-
176	Roofing and sheet metal work	31.1	29.8	30.4	29.0	-	-	-	-	-	-
-	MANUFACTURING	39.8	39.8	39.9	39.5	40.0	2.9	3.0	2.9	2.8	2.8
24, 25, 32-39	DURABLE GOODS	40.3	40.3	40.4	39.9	40.6	3.0	3.1	2.9	2.8	2.9
20-23, 26-31	NONDURABLE GOODS	38.9	38.9	39.1	38.9	39.1	2.8	2.9	2.9	2.8	2.8
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	38.5	38.3	38.8	38.4	39.1	2.9	2.9	2.7	2.7	-
241	Logging camps and logging contractors	38.5	37.7	37.5	35.5	-	3.1	3.2	3.6	3.3	-
242	Sawmills and planing mills	39.2	38.7	39.8	39.3	-	3.7	3.6	3.2	3.2	-
2421	Sawmills and planing mills, general	39.3	38.8	40.0	39.3	-	3.9	3.9	3.4	3.4	-
2426	Hardwood dimension and flooring	39.1	39.2	39.7	39.9	-	2.8	2.8	2.6	2.7	-
243	Millwork, plywood, and structural members	38.6	38.5	39.0	38.8	-	2.4	2.4	2.5	2.3	-
2431	Millwork	38.8	38.8	38.2	38.1	-	1.5	1.5	1.9	1.5	-
2434	Wood kitchen cabinets	37.4	36.8	38.3	37.7	-	1.6	1.6	1.7	1.2	-
2435	Hardwood veneer and plywood	38.6	40.0	40.1	40.7	-	2.8	3.5	3.3	3.7	-
2436	Softwood veneer and plywood	39.8	39.6	39.8	39.9	-	4.2	4.1	3.5	3.6	-
244	Wooden containers	37.2	37.8	36.8	37.0	-	2.4	2.7	1.7	1.6	-
245	Wood buildings and mobile homes	34.9	34.9	35.5	35.2	-	1.2	1.1	1.3	1.3	-
2451	Mobile homes	35.3	34.9	35.1	35.1	-	1.1	1.1	1.1	.9	-
249	Miscellaneous wood products	40.0	40.0	40.2	40.3	-	3.1	3.2	2.7	2.9	-
25	FURNITURE AND FIXTURES	38.4	38.5	38.1	38.3	39.0	1.8	1.9	1.9	1.9	-
251	Household furniture	38.1	38.2	37.7	38.1	-	1.7	1.9	1.7	1.8	-
2511	Wood household furniture	38.4	38.5	38.1	38.6	-	2.1	2.2	1.8	1.8	-
2512	Upholstered household furniture	37.4	37.6	36.6	37.2	-	1.0	1.2	1.1	1.4	-
2514	Metal household furniture	38.4	39.1	38.3	38.7	-	1.7	2.0	3.0	3.3	-
2515	Mattresses and bedsprings	38.1	38.0	37.1	37.6	-	2.4	2.3	1.8	1.7	-
252	Office furniture	39.2	38.7	39.7	39.6	-	2.2	1.9	2.7	2.2	-
253	Public building and related furniture	38.6	39.7	39.7	39.7	-	2.2	2.4	3.1	2.6	-
254	Partitions and fixtures	38.9	39.0	38.4	37.7	-	2.3	2.5	2.0	1.8	-
259	Miscellaneous furniture and fixtures	38.8	38.6	38.1	38.1	-	1.1	1.1	1.0	1.2	-

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				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
32	STONE, CLAY, AND GLASS PRODUCTS	\$286.31	\$295.89	\$317.95	\$313.63	\$324.36	\$7.14	\$7.27	\$7.87	\$7.90	\$7.95
321	Flat glass	166.28	393.54	431.53	410.66	-	9.18	9.46	10.25	10.19	-
322	Glass and glassware, pressed or blown	302.47	314.98	340.30	336.94	-	7.45	7.72	8.30	8.34	-
3221	Glass containers	17.29	337.02	366.24	356.42	-	7.72	8.18	8.72	8.63	-
3229	Pressed and blown glass, nec	284.00	286.22	306.48	312.04	-	7.10	7.12	7.72	7.94	-
323	Products of purchased glass	252.40	257.28	285.42	278.76	-	6.31	6.40	7.03	6.90	-
324	Cement, hydraulic	422.58	437.47	458.70	459.54	-	9.99	10.15	11.00	11.10	-
325	Structural clay products	235.60	240.19	253.59	254.63	-	5.89	5.96	6.42	6.43	-
326	Pottery and related products	239.18	238.55	260.83	260.52	-	6.04	6.07	6.62	6.68	-
327	Concrete, gypsum, and plaster products	270.97	287.74	308.10	296.80	-	7.02	7.14	7.80	7.79	-
3271	Concrete block and brick	242.25	258.00	289.44	287.68	-	6.46	6.45	7.20	7.21	-
3272	Concrete products, nec	251.30	262.92	281.07	270.18	-	6.33	6.46	6.94	6.91	-
3273	Ready-mixed concrete	284.02	308.10	323.39	309.40	-	7.76	7.90	8.67	8.74	-
329	Misc. nonmetallic mineral products	299.52	300.77	318.11	321.88	-	7.20	7.23	7.74	7.87	-
3291	Abrasive products	287.64	293.04	300.85	305.04	-	7.05	7.13	7.41	7.44	-
3292	Asbestos products	303.84	307.52	322.26	326.42	-	7.20	7.27	7.86	8.04	-
33	PRIMARY METAL INDUSTRIES	384.21	384.62	425.80	428.57	437.78	9.44	9.45	10.36	10.53	10.60
331	Blast furnace and basic steel products	445.91	441.10	484.38	500.58	-	11.12	11.00	11.96	12.36	-
3312	Blast furnaces and steel mills	462.80	456.80	499.72	519.06	-	11.57	11.42	12.40	12.88	-
3317	Steel pipe and tubes	349.00	347.67	407.27	395.76	-	8.66	8.67	9.72	9.70	-
332	Iron and steel foundries	322.34	326.82	360.74	350.40	-	7.92	8.03	8.82	8.76	-
3321	Gray iron foundries	315.22	323.20	367.20	352.93	-	7.92	8.08	9.00	8.89	-
3322	Malleable iron foundries	336.48	340.56	376.94	363.33	-	8.54	8.71	9.40	9.34	-
3325	Steel foundries, nec	338.77	334.17	344.83	343.97	-	7.86	7.90	8.39	8.41	-
333	Primary nonferrous metals	416.42	428.22	472.34	471.03	-	10.01	10.22	11.30	11.35	-
3334	Primary aluminum	431.66	455.78	499.20	498.49	-	10.58	10.93	12.00	12.07	-
335	Nonferrous rolling and drawing	351.12	356.59	403.94	393.54	-	8.38	8.47	9.46	9.37	-
3351	Copper rolling and drawing	316.58	316.30	366.21	364.13	-	7.61	7.64	8.38	8.39	-
3353	Aluminum sheet, plate, and foil	425.15	436.65	501.56	497.21	-	9.98	10.25	11.53	11.59	-
3357	Nonferrous wire drawing and insulating	328.44	334.22	375.66	359.84	-	7.82	7.92	8.86	8.65	-
336	Nonferrous foundries	280.38	285.32	312.76	310.46	-	6.94	7.08	7.78	7.84	-
3361	Aluminum foundries	285.93	293.22	325.60	320.80	-	7.06	7.24	8.00	8.04	-
34	FABRICATED METAL PRODUCTS	288.46	293.94	317.95	316.39	322.79	7.14	7.24	7.87	7.89	7.97
341	Metal cans and shipping containers	401.33	415.66	448.49	437.68	-	9.29	9.49	10.31	10.25	-
3411	Metal cans	413.95	430.22	463.28	449.23	-	9.56	9.80	10.65	10.57	-
342	Cutlery, hand tools, and hardware	269.00	275.52	296.74	296.77	-	6.81	6.94	7.57	7.59	-
3423, 5	Hand and edge tools, and hand saws and blades	262.68	266.79	285.59	284.47	-	6.60	6.62	7.23	7.22	-
3429	Hardware, nec	276.44	285.77	312.37	311.92	-	7.07	7.29	8.03	8.06	-
343	Plumbing and heating, except electric	258.65	259.94	272.14	268.10	-	6.45	6.45	6.96	7.00	-
3432	Plumbing fittings and brass goods	255.82	257.91	271.89	268.49	-	6.27	6.26	6.73	6.78	-
3433	Heating equipment, except electric	241.18	242.74	261.44	258.43	-	6.20	6.24	6.88	6.91	-
344	Fabricated structural metal products	275.52	279.00	307.13	305.63	-	6.94	7.01	7.64	7.66	-
3441	Fabricated structural metal	293.63	298.82	328.68	318.24	-	7.25	7.36	7.92	7.80	-
3442	Metal doors, sash, and trim	218.68	219.26	240.95	238.75	-	5.68	5.71	6.21	6.25	-
3443	Fabricated plate work (boiler shops)	314.42	315.18	346.90	351.52	-	7.65	7.65	8.42	8.45	-
3444	Sheet metal work	267.80	274.56	301.86	300.69	-	6.92	7.04	7.74	7.79	-
3446	Architectural metal work	253.84	251.29	285.32	287.34	-	6.41	6.46	7.08	7.13	-
345	Screw machine products, bolts, etc.	282.57	288.06	301.92	302.19	-	6.76	6.81	7.40	7.48	-
3451	Screw machine products	259.38	261.04	268.21	268.71	-	6.25	6.29	6.79	6.89	-
3452	Bolts, nuts, rivets, and washers	306.37	313.90	335.54	335.65	-	7.26	7.30	7.97	8.03	-
346	Metal forgings and stampings	325.20	339.01	369.77	366.11	-	8.13	8.35	9.13	9.13	-
3462	Iron and steel forgings	350.50	365.71	393.60	397.79	-	8.99	9.12	9.84	9.92	-
3465	Automotive stampings	385.93	411.28	467.93	458.46	-	9.82	10.13	11.33	11.32	-
3469	Metal stampings, nec	257.99	260.65	279.90	279.09	-	6.37	6.42	6.98	7.03	-
347	Metal services, nec	234.77	239.09	257.86	260.25	-	5.84	5.86	6.32	6.41	-
3471	Plating and polishing	228.97	231.09	247.95	252.33	-	5.71	5.72	6.23	6.34	-
3479	Metal coating and allied services	247.05	256.46	279.07	276.64	-	6.10	6.15	6.49	6.54	-
348	Ordinance and accessories, nec	294.24	295.60	320.54	323.87	-	7.09	7.14	7.78	7.88	-
3483	Ammunition, exc. for small arms, nec	258.55	262.80	283.01	288.64	-	6.55	6.57	7.04	7.18	-
349	Misc. fabricated metal products	278.26	278.11	299.09	298.45	-	6.82	6.85	7.44	7.48	-
3494	Valves and pipe fittings	237.05	296.74	321.12	325.97	-	7.21	7.22	7.89	7.97	-
3496	Misc. fabricated wire products	243.61	244.21	261.88	256.50	-	6.06	6.09	6.58	6.56	-
35	MACHINERY, EXCEPT ELECTRICAL	319.14	322.04	353.91	351.70	357.66	7.69	7.76	8.59	8.62	8.66
351	Engines and turbines	380.03	380.03	419.58	415.11	-	9.43	9.43	10.36	10.43	-
3511	Turbines and turbine generator sets	336.20	341.94	408.20	403.35	-	8.49	8.57	9.86	9.79	-
3519	Internal combustion engines, nec	392.45	390.67	423.31	418.55	-	9.69	9.67	10.53	10.65	-
352	Farm and garden machinery	334.97	340.31	425.52	404.40	-	8.15	8.26	10.18	10.11	-
3523	Farm machinery and equipment	347.36	353.18	449.23	425.97	-	8.37	8.49	10.62	10.57	-
353	Construction and related machinery	336.60	342.76	383.55	382.34	-	8.25	8.36	9.22	9.28	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
32	STONE, CLAY, AND GLASS PRODUCTS	40.1	40.7	40.4	39.7	40.8	3.7	3.8	3.5	3.4	-
321	Flat glass	39.9	41.6	42.1	40.3	-	3.9	4.4	3.9	3.2	-
322	Glass and glassware, pressed or blown	40.6	40.8	41.0	40.4	-	4.0	3.9	3.8	3.8	-
3221	Glass containers	41.1	41.2	42.0	41.3	-	4.5	4.3	4.3	4.2	-
3229	Pressed and blown glass, nec	40.0	40.2	39.7	39.3	-	3.4	3.4	3.2	3.2	-
323	Products of purchased glass	40.0	40.2	40.6	40.4	-	2.4	2.5	3.0	2.9	-
324	Cement, hydraulic	42.3	43.1	41.7	41.4	-	3.9	4.9	3.2	3.1	-
325	Structural clay products	40.0	40.3	39.5	39.6	-	3.3	3.3	2.7	2.7	-
326	Pottery and related products	39.6	39.3	39.4	39.0	-	2.6	2.5	2.3	2.2	-
327	Concrete, gypsum, and plaster products	38.6	40.3	39.5	38.1	-	3.9	4.5	4.1	3.8	-
3271	Concrete block and brick	37.5	40.0	40.2	39.9	-	3.8	4.5	3.8	3.8	-
3272	Concrete products, nec	39.7	40.7	40.5	39.1	-	3.6	4.0	3.8	3.5	-
3273	Ready-mixed concrete	36.6	39.0	37.3	35.4	-	3.6	4.4	3.7	3.4	-
329	Misc. nonmetallic mineral products	41.6	41.6	41.1	40.9	-	3.8	3.7	3.4	3.4	-
3291	Abrasive products	40.8	41.1	40.6	41.0	-	3.4	3.6	2.9	2.9	-
3292	Asbestos products	42.2	42.3	41.0	40.6	-	3.1	3.2	3.1	2.9	-
33	PRIMARY METAL INDUSTRIES	40.7	40.7	41.1	40.7	41.3	3.3	3.3	3.3	3.1	-
331	Blast furnace and basic steel products	40.1	40.1	40.5	40.5	-	2.9	2.7	2.7	2.8	-
3312	Blast furnaces and steel mills	40.0	40.0	40.3	40.3	-	2.8	2.6	2.6	2.7	-
3317	Steel pipe and tubes	40.3	40.1	41.9	40.8	-	3.1	2.6	3.8	3.4	-
332	Iron and steel foundries	40.7	40.7	40.9	40.0	-	3.3	3.3	3.3	2.9	-
3321	Gray iron foundries	39.8	40.0	40.8	39.7	-	2.8	3.0	3.3	2.8	-
3322	Malleable iron foundries	39.4	39.1	40.1	38.9	-	2.9	2.6	3.1	2.7	-
3325	Steel foundries, nec	43.1	42.3	41.1	40.9	-	4.4	4.1	3.4	3.1	-
333	Primary nonferrous metals	41.6	41.9	41.8	41.5	-	3.8	3.9	3.6	3.5	-
3334	Primary aluminum	40.8	41.7	41.6	41.3	-	3.6	3.9	3.6	3.5	-
335	Nonferrous rolling and drawing	41.9	42.1	42.7	42.0	-	4.4	4.6	4.8	4.2	-
3351	Copper rolling and drawing	41.6	41.4	43.7	43.4	-	4.2	4.2	5.0	5.5	-
3353	Aluminum sheet, plate and foil	42.6	42.6	43.5	42.9	-	5.7	6.0	6.2	5.6	-
3357	Nonferrous wire drawing and insulating	42.0	42.2	42.4	41.6	-	4.3	4.5	4.7	4.0	-
336	Nonferrous foundries	40.4	40.3	40.2	39.6	-	2.8	2.9	2.5	2.5	-
3361	Aluminum foundries	40.5	40.5	40.7	39.9	-	3.1	3.2	2.9	2.7	-
34	FABRICATED METAL PRODUCTS	40.4	40.6	40.4	40.1	40.5	3.0	3.1	2.8	2.7	-
341	Metal cans and shipping containers	43.2	43.8	43.5	42.7	-	4.9	4.9	4.8	4.5	-
3411	Metal cans	43.3	43.9	43.5	42.5	-	4.9	4.8	4.7	4.2	-
342	Cutlery, hand tools, and hardware	39.5	39.7	39.2	39.1	-	2.4	2.4	2.1	2.2	-
3423, 5	Hand and edge tools, and hand saws and blades	39.8	40.3	39.5	39.4	-	2.6	2.7	2.1	2.3	-
3429	Hardware, nec	39.1	39.2	38.9	38.7	-	2.1	2.1	2.1	2.1	-
343	Plumbing and heating, except electric	40.1	40.3	39.1	38.3	-	3.1	3.1	1.9	1.9	-
3432	Plumbing fittings and brass goods	40.8	41.2	40.4	39.6	-	3.4	3.6	2.0	2.3	-
3433	Heating equipment, except electric	38.9	38.9	38.0	37.4	-	2.4	2.3	1.7	1.6	-
344	Fabricated structural metal products	39.7	39.8	40.2	39.9	-	2.6	2.6	2.8	2.5	-
3441	Fabricated structural metal	40.5	40.6	41.5	40.8	-	3.2	3.4	3.3	3.1	-
3442	Metal doors, sash, and trim	38.5	38.4	38.8	38.2	-	2.0	1.8	2.1	1.7	-
3443	Fabricated plate work (boiler shops)	41.1	41.2	41.2	41.6	-	2.8	2.9	3.2	2.8	-
3444	Sheet metal work	38.7	39.0	39.0	38.6	-	2.4	2.5	2.3	2.3	-
3446	Architectural metal work	39.6	38.9	40.3	40.3	-	2.3	1.9	2.6	2.2	-
345	Screw machine products, bolts, etc.	41.8	42.3	40.8	40.4	-	4.1	4.1	3.1	3.1	-
3451	Screw machine products	41.5	41.5	39.5	39.0	-	4.6	4.4	2.6	2.6	-
3452	Bolts, nuts, rivets, and washers	42.2	43.0	42.1	41.8	-	3.6	3.8	3.5	3.6	-
346	Metal forgings and stampings	40.0	40.6	40.5	40.1	-	3.0	3.4	3.0	3.1	-
3462	Iron and steel forgings	40.1	40.1	40.0	40.1	-	3.9	3.7	3.2	3.5	-
3465	Automotive stampings	39.3	40.6	41.3	40.5	-	2.1	3.1	3.6	3.7	-
3469	Metal stampings, nec	40.5	40.6	40.1	39.7	-	3.2	3.3	2.4	2.4	-
347	Metal services, nec	40.2	40.8	40.8	40.6	-	3.5	3.8	2.4	2.5	-
3471	Plating and polishing	40.1	40.4	39.8	39.8	-	3.2	3.5	3.0	3.0	-
3479	Metal coating and allied services	40.5	41.7	43.0	42.3	-	4.2	4.5	1.2	1.6	-
348	Ordnance and accessories, nec	41.5	41.4	41.2	41.1	-	2.7	2.7	3.1	2.9	-
3483	Ammunition, exc. for small arms, nec	41.0	40.0	40.2	40.2	-	1.9	1.5	2.4	2.1	-
349	Misc. fabricated metal products	40.8	40.6	40.2	39.9	-	2.9	2.9	2.6	2.7	-
3494	Valves and pipe fittings	41.2	41.1	40.7	40.9	-	3.3	3.4	2.9	3.2	-
3496	Misc. fabricated wire products	40.2	40.1	39.8	39.1	-	2.5	2.4	2.3	2.5	-
35	MACHINERY, EXCEPT ELECTRICAL	41.5	41.5	41.2	40.8	41.3	3.8	3.8	3.4	3.3	-
351	Engines and turbines	40.3	40.3	40.5	39.8	-	3.1	2.8	2.7	2.8	-
3511	Turbines and turbine generator sets	39.6	39.9	41.4	41.2	-	3.2	3.7	3.6	3.0	-
3519	Internal combustion engines, nec	40.5	40.4	40.2	39.3	-	3.1	2.6	2.4	2.8	-
352	Farm and garden machinery	41.1	41.2	41.8	40.0	-	3.7	3.8	3.7	3.0	-
3523	Farm machinery and equipment	41.5	41.6	42.3	40.3	-	3.9	4.0	4.0	3.3	-
353	Construction and related machinery	40.8	41.0	41.6	41.2	-	3.3	3.3	3.3	3.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry—Continued**

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings					
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	
	MACHINERY, EXCEPT ELECTRICAL—Continued											
3531	Construction machinery	\$360.90	\$371.87	\$407.09	\$406.77	-	\$9.16	\$9.32	\$10.28	\$10.43	-	
3532	Mining machinery	347.31	357.81	375.16	381.56	-	8.23	8.36	9.04	9.15	-	
3533	Oil field machinery	326.66	332.21	399.38	397.67	-	7.65	7.78	8.72	8.74	-	
3535	Conveyers and conveying equipment	302.73	301.67	319.80	312.27	-	7.33	7.34	8.20	8.09	-	
3537	Industrial trucks and tractors	292.64	297.35	318.24	318.27	-	7.39	7.49	8.16	8.14	-	
354	Metalworking machinery	346.18	345.53	367.61	364.91	-	7.94	7.98	8.67	8.73	-	
3541	Machine tools, metal cutting types	369.45	364.52	385.87	383.18	-	8.21	8.21	8.83	8.87	-	
3542	Machine tools, metal forming types	347.62	361.44	351.75	355.45	-	8.16	8.29	8.75	8.82	-	
3544	Special dies, tools, jigs, and fixtures	376.55	373.20	403.62	397.71	-	8.50	8.54	9.30	9.38	-	
3545	Machine tool accessories	308.67	310.98	324.66	325.10	-	7.28	7.30	7.88	7.91	-	
3546	Power driven hand tools	256.06	251.07	266.66	271.75	-	6.20	6.23	6.82	6.95	-	
355	Special industry machinery	303.78	304.41	327.89	328.30	-	7.25	7.30	7.92	7.93	-	
3551	Food products machinery	315.82	316.83	343.10	342.26	-	7.61	7.69	8.43	8.43	-	
3552	Textile machinery	247.76	248.63	258.16	258.08	-	5.97	6.02	6.39	6.42	-	
3555	Printing trades machinery	320.46	323.36	352.56	354.09	-	7.47	7.52	8.18	8.14	-	
356	General industrial machinery	315.53	319.66	345.61	343.92	-	7.64	7.74	8.45	8.45	-	
3561	Pumps and pumping equipment	315.70	318.06	349.97	344.46	-	7.70	7.72	8.62	8.59	-	
3562	Ball and roller bearings	318.10	332.59	354.48	353.64	-	7.61	7.90	8.40	8.38	-	
3563	Air and gas compressors	335.07	338.13	372.73	372.16	-	7.94	8.07	8.77	8.84	-	
3564	Blowers and fans	291.76	289.64	309.94	304.15	-	6.98	7.03	7.71	7.70	-	
3566	Speed changers, drives, and gears	358.28	363.32	381.89	391.25	-	8.47	8.63	9.18	9.36	-	
3568	Power transmission equipment, nec	302.33	301.73	332.00	336.59	-	7.41	7.45	8.32	8.27	-	
357	Office and computing machines	255.33	274.07	292.54	295.48	-	6.44	6.51	7.17	7.26	-	
3573	Electronic computing equipment	269.10	278.38	288.46	293.04	-	6.50	6.55	7.07	7.20	-	
358	Refrigeration and service machinery	275.92	280.50	309.97	313.96	-	6.95	7.03	7.73	7.81	-	
3585	Refrigeration and heating equipment	230.99	286.08	317.58	324.81	-	7.06	7.17	7.90	8.02	-	
359	Misc. machinery, except electrical	313.25	312.71	339.01	335.70	-	7.53	7.59	8.35	8.33	-	
3592	Carburetors, pistons, rings, valves	355.31	346.28	424.97	393.62	-	8.48	8.55	10.34	9.89	-	
3599	Machinery, except electrical, nec	306.18	307.19	324.00	325.62	-	7.36	7.42	8.00	8.06	-	
36	ELECTRIC AND ELECTRONIC EQUIPMENT	269.74	271.20	297.54	295.42	\$298.45	6.71	6.78	7.42	7.46	\$7.48	
361	Electric distributing equipment	270.00	271.48	291.80	290.43	-	6.75	6.77	7.35	7.39	-	
3612	Transformers	263.71	266.38	290.56	289.28	-	6.56	6.61	7.21	7.25	-	
3613	Switchgear and switchboard apparatus	275.71	275.71	292.43	291.75	-	6.91	6.91	7.46	7.50	-	
362	Electrical industrial apparatus	281.67	280.42	309.89	312.01	-	6.87	6.89	7.54	7.61	-	
3621	Motors and generators	281.81	280.98	318.72	312.53	-	6.84	6.87	7.68	7.66	-	
3622	Industrial controls	278.36	276.29	291.28	299.03	-	6.89	6.89	7.21	7.42	-	
363	Household appliances	271.60	266.66	294.39	291.06	-	6.79	6.82	7.51	7.56	-	
3632	Household refrigerators and freezers	305.78	277.13	343.07	333.98	-	7.44	7.49	8.45	8.52	-	
3633	Household laundry equipment	316.01	319.60	345.93	344.27	-	7.92	8.01	8.87	8.85	-	
3634	Electric housewares and fans	219.52	217.06	231.65	231.04	-	5.60	5.58	6.08	6.08	-	
364	Electric lighting and wiring equipment	245.52	249.55	273.71	271.66	-	6.20	6.27	6.86	6.86	-	
3641	Electric lamps	273.48	276.58	308.83	302.99	-	6.82	6.88	7.74	7.69	-	
3643	Current-carrying wiring devices	235.39	240.38	259.13	262.10	-	5.87	5.95	6.43	6.52	-	
3644	Noncurrent-carrying wiring devices	256.31	256.31	290.34	287.53	-	6.44	6.44	7.03	7.03	-	
3645	Residential lighting fixtures	184.68	177.97	207.69	211.30	-	4.86	4.81	5.48	5.46	-	
365	Radio and TV receiving equipment	238.32	243.90	266.81	253.08	-	6.19	6.27	6.93	6.84	-	
3651	Radio and TV receiving sets	245.50	253.49	276.82	261.56	-	6.41	6.55	7.19	7.05	-	
366	Communication equipment	319.61	319.80	341.47	343.00	-	7.72	7.80	8.39	8.49	-	
3661	Telephone and telegraph apparatus	336.42	331.25	358.63	358.16	-	8.01	8.04	8.79	8.80	-	
3662	Radio and TV communication equipment	305.52	311.25	330.08	332.45	-	7.47	7.61	8.11	8.27	-	
367	Electronic components and accessories	232.80	234.02	255.76	255.71	-	5.82	5.88	6.41	6.49	-	
3671-3	Electronic tubes	303.36	310.73	334.36	329.16	-	7.24	7.26	7.98	7.97	-	
3674	Semiconductors and related devices	271.51	271.06	292.90	298.08	-	6.59	6.66	7.25	7.36	-	
3679	Electronic components, nec	215.28	218.28	236.81	235.17	-	5.45	5.54	5.98	6.03	-	
369	Misc. electrical equipment and supplies	297.16	303.38	349.46	331.89	-	7.60	7.70	8.65	8.51	-	
3691	Storage batteries	292.55	285.34	350.02	324.24	-	7.54	7.45	8.60	8.40	-	
3694	Engine electrical equipment	324.94	337.26	389.61	363.47	-	8.44	8.67	9.62	9.49	-	
37	TRANSPORTATION EQUIPMENT	357.94	365.22	408.18	396.80	413.65	8.86	9.04	9.98	9.92	10.04	
371	Motor vehicles and equipment	365.88	378.58	434.83	417.12	-	9.31	9.56	10.71	10.56	-	
3711	Motor vehicles and car bodies	390.78	401.95	469.64	458.25	-	10.02	10.28	11.80	11.75	-	
3713	Truck and bus bodies	304.94	305.36	345.14	324.48	-	7.90	7.87	8.65	8.45	-	
3714	Motor vehicle parts and accessories	361.38	374.79	429.93	407.63	-	9.08	9.30	10.31	10.14	-	
3715,6	Truck trailers and motor homes	250.37	250.14	267.67	259.92	-	6.52	6.60	7.10	7.18	-	
372	Aircraft and parts	374.39	375.16	412.15	410.69	-	8.83	8.89	9.86	9.92	-	
3721	Aircraft	385.97	383.64	428.90	-	-	9.17	9.20	10.31	-	-	
3724	Aircraft engines and engine parts	381.18	386.62	412.17	410.64	-	8.99	9.14	9.98	10.04	-	
3728	Aircraft equipment, nec	342.77	346.09	376.16	380.06	-	7.99	8.03	8.83	8.88	-	
373	Ship and boat building and repairing	317.87	322.36	350.10	341.88	-	7.81	7.94	8.56	8.59	-	
3731	Shipbuilding and repairing	335.38	339.44	366.95	-	-	8.20	8.34	8.95	-	-	
3732	Boat building and repairing	256.80	263.90	285.73	289.98	-	6.42	6.50	7.09	7.16	-	
374	Railroad equipment	375.54	376.89	396.52	399.75	-	9.58	9.59	10.49	10.66	-	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
	MACHINERY, EXCEPT ELECTRICAL—Continued										
3531	Construction machinery	39.4	39.9	39.6	39.0	-	2.4	2.2	1.8	1.6	-
3532	Mining machinery	42.2	42.8	41.5	41.7	-	3.8	4.3	2.5	2.9	-
3533	Oil field machinery	42.7	42.7	45.8	45.5	-	5.0	5.2	6.2	5.6	-
3535	Conveyers and conveying equipment	41.3	41.1	39.0	38.6	-	2.9	3.0	2.8	2.5	-
3537	Industrial trucks and tractors	39.6	39.7	39.0	39.1	-	2.4	2.4	2.2	2.3	-
354	Metalworking machinery	43.6	43.3	42.4	41.8	-	5.7	5.4	4.6	4.4	-
3541	Machine tools, metal cutting types	45.0	44.4	43.7	43.2	-	6.6	6.5	5.3	5.1	-
3542	Machine tools, metal forming types	42.6	43.6	40.2	40.3	-	5.5	5.9	3.3	3.0	-
3544	Special dies, tools, jigs, and fixtures	44.3	43.7	43.4	42.4	-	6.3	5.9	5.6	5.3	-
3545	Machine tool accessories	42.4	42.6	41.2	41.1	-	5.0	5.0	3.6	3.7	-
3546	Power driven hand tools	41.3	40.3	39.1	39.1	-	3.5	2.9	2.2	1.9	-
355	Special industry machinery	41.9	41.7	41.4	41.4	-	3.7	3.8	3.1	3.1	-
3551	Food products machinery	41.5	41.2	40.7	40.6	-	2.9	2.9	2.4	2.4	-
3552	Textile machinery	41.5	41.3	40.4	40.2	-	3.0	3.2	2.1	2.2	-
3555	Printing trades machinery	42.9	43.0	43.1	43.5	-	4.0	4.5	4.7	4.4	-
356	General industrial machinery	41.3	41.3	40.9	40.7	-	3.7	3.8	3.3	3.2	-
3561	Pumps and pumping equipment	41.0	41.2	40.6	40.1	-	3.2	3.4	2.6	2.8	-
3562	Ball and roller bearings	41.8	42.1	42.2	42.2	-	4.3	4.9	4.4	3.9	-
3563	Air and gas compressors	42.2	41.9	42.5	42.1	-	4.9	4.8	4.3	4.0	-
3564	Blowers and fans	41.8	41.2	40.2	39.5	-	4.0	3.7	3.3	2.8	-
3566	Speed changers, drives, and gears	42.3	42.1	41.6	41.8	-	4.6	4.4	3.0	3.8	-
3568	Power transmission equipment, nec	40.8	40.5	40.0	40.7	-	2.6	2.8	3.0	3.3	-
357	Office and computing machines	41.2	42.1	40.8	40.7	-	2.7	3.0	2.4	2.5	-
3573	Electronic computing equipment	41.4	42.5	40.8	40.7	-	2.7	3.0	2.5	2.6	-
358	Refrigeration and service machinery	39.7	39.9	40.1	40.2	-	2.0	2.1	2.5	2.5	-
3585	Refrigeration and heating equipment	39.8	39.9	40.2	40.5	-	2.1	2.1	2.4	2.4	-
359	Misc. machinery, except electrical	41.6	41.2	40.6	40.3	-	4.4	4.1	3.7	3.6	-
3592	Carburetors, pistons, rings, valves	41.9	40.5	41.1	39.8	-	3.6	2.4	3.4	2.5	-
3599	Machinery, except electrical, nec	41.6	41.4	40.5	40.4	-	4.5	4.4	3.7	3.8	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	40.2	40.0	40.1	39.6	39.9	2.5	2.5	2.3	2.3	-
361	Electric distributing equipment	40.0	40.1	39.7	39.3	-	2.5	2.5	2.2	2.4	-
3612	Transformers	40.2	40.3	40.3	39.9	-	2.7	2.9	2.3	2.3	-
3613	Switchgear and switchboard apparatus	39.9	39.9	39.2	38.9	-	2.3	2.2	2.1	2.5	-
362	Electrical industrial apparatus	41.0	40.7	41.1	41.0	-	2.9	2.8	2.6	3.0	-
3621	Motors and generators	41.2	40.9	41.5	40.8	-	3.0	2.9	2.8	2.9	-
3622	Industrial controls	40.4	40.1	40.4	40.3	-	2.4	2.5	1.8	2.6	-
363	Household appliances	40.0	39.1	39.2	38.5	-	2.1	2.1	1.8	1.8	-
3632	Household refrigerators and freezers	41.1	37.0	40.6	39.2	-	2.2	1.8	1.2	1.5	-
3633	Household laundry equipment	39.9	39.9	39.0	38.9	-	1.2	1.3	.9	1.3	-
3634	Electric housewares and fans	39.2	38.9	38.1	38.0	-	2.0	1.8	1.2	1.5	-
364	Electric lighting and wiring equipment	39.6	39.8	39.9	39.6	-	2.4	2.5	2.4	2.5	-
3641	Electric lamps	40.1	40.2	39.9	39.4	-	2.2	2.5	1.9	1.8	-
3643	Current-carrying wiring devices	40.1	40.4	40.3	40.2	-	2.7	2.7	2.7	3.0	-
3644	Noncurrent-carrying wiring devices	39.8	39.8	41.3	40.9	-	2.8	2.4	2.8	2.6	-
3645	Residential lighting fixtures	38.0	37.0	37.9	38.7	-	1.2	1.3	1.2	1.8	-
365	Radio and TV receiving equipment	38.5	38.9	38.5	37.0	-	1.6	1.8	1.2	.9	-
3651	Radio and TV receiving sets	38.3	38.7	38.5	37.1	-	1.7	1.9	1.5	1.1	-
366	Communication equipment	41.4	41.0	40.7	40.4	-	3.1	2.8	2.3	2.3	-
3661	Telephone and telegraph apparatus	42.0	41.2	40.8	40.7	-	3.6	3.2	2.3	2.4	-
3662	Radio and TV communication equipment	40.9	40.9	40.7	40.2	-	2.6	2.5	2.3	2.3	-
367	Electronic components and accessories	40.0	39.8	39.9	39.4	-	2.8	2.8	2.4	2.2	-
3671-3	Electronic tubes	41.9	42.8	41.9	41.3	-	2.5	2.9	2.4	2.2	-
3674	Semiconductors and related devices	41.2	40.7	40.4	40.5	-	3.9	3.5	2.7	2.7	-
3679	Electronic components, nec	39.5	39.4	39.6	39.0	-	2.4	2.7	2.4	2.2	-
369	Misc. electrical equipment and supplies	39.1	39.4	40.4	39.0	-	1.5	1.7	2.7	2.0	-
3691	Storage batteries	38.8	38.3	40.7	38.6	-	1.3	1.1	3.1	1.4	-
3694	Engine electrical equipment	38.5	38.9	40.5	38.3	-	1.1	1.4	2.8	1.7	-
37	TRANSPORTATION EQUIPMENT	40.4	40.4	40.9	40.0	41.2	3.0	3.1	3.2	3.0	-
371	Motor vehicles and equipment	39.3	39.6	40.6	39.5	-	2.2	2.6	2.8	2.5	-
3711	Motor vehicles and car bodies	39.0	39.1	39.8	39.0	-	1.9	2.5	2.4	2.5	-
3713	Truck and bus bodies	38.6	38.8	39.9	38.4	-	2.9	2.4	3.1	1.7	-
3714	Motor vehicle parts and accessories	39.8	40.3	41.7	40.2	-	2.4	2.9	3.3	2.8	-
3715,6	Truck trailers and motor homes	38.4	37.9	37.7	36.2	-	1.6	1.5	1.1	.7	-
372	Aircraft and parts	42.4	42.2	41.8	41.4	-	4.3	4.2	3.8	3.7	-
3721	Aircraft	42.2	41.7	41.6	-	-	3.5	3.3	3.3	-	-
3724	Aircraft engines and engine parts	42.4	42.3	41.3	40.9	-	5.0	5.0	4.0	3.8	-
3728	Aircraft equipment, nec	42.9	43.1	42.6	42.8	-	5.3	5.2	4.6	4.7	-
373	Ship and boat building and repairing	40.7	40.6	40.9	39.8	-	3.4	3.3	3.9	3.7	-
3731	Ship building and repairing	40.9	40.7	41.0	-	-	3.5	3.4	4.0	-	-
3732	Boat building and repairing	40.0	40.6	40.3	40.5	-	3.1	3.1	3.2	3.4	-
374	Railroad equipment	39.2	39.3	37.8	37.5	-	3.2	3.2	1.1	1.8	-

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				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	\$369.98	\$369.98	\$400.41	\$403.92	-	\$8.83	\$8.98	\$9.79	\$9.90	-
3761	Guided missiles and space vehicles	377.94	370.46	404.78	407.84	-	9.02	9.08	9.97	10.07	-
379	Miscellaneous transportation equipment	255.74	255.08	271.86	260.63	-	6.66	6.66	6.90	6.95	-
3792	Travel trailers and campers	225.00	217.86	236.36	225.72	-	6.00	5.92	6.22	6.27	-
INSTRUMENTS AND RELATED PRODUCTS											
38		268.87	269.18	291.91	292.01	\$296.53	6.59	6.63	7.19	7.21	\$7.25
381	Engineering and scientific instruments	284.54	290.09	304.84	303.06	-	6.84	6.94	7.49	7.52	-
382	Measuring and controlling devices	277.89	279.86	288.46	288.05	-	6.68	6.76	7.07	7.13	-
3822	Environmental controls	245.03	250.71	261.85	262.28	-	6.05	6.16	6.53	6.59	-
3823	Process control instruments	287.74	285.52	302.32	300.17	-	6.63	6.64	7.08	7.13	-
3825	Instruments to measure electricity	303.68	309.32	300.92	300.75	-	7.30	7.40	7.43	7.50	-
383	Optical instruments and lenses	301.43	289.54	320.28	334.32	-	7.01	6.96	7.85	7.96	-
384	Medical instruments and supplies	223.34	223.74	245.57	247.02	-	5.64	5.65	6.17	6.16	-
3841	Surgical and medical instruments	213.73	216.95	241.38	245.74	-	5.33	5.37	5.96	5.95	-
3842	Surgical appliances and supplies	231.48	228.93	250.83	248.92	-	5.89	5.87	6.35	6.35	-
385	Ophthalmic goods	204.22	206.96	218.35	221.50	-	5.17	5.20	5.50	5.51	-
386	Photographic equipment and supplies	347.49	346.63	402.48	398.24	-	8.58	8.58	9.56	9.55	-
387	Watches, clocks, and watchcases	201.61	195.45	217.32	218.48	-	5.13	5.13	5.63	5.66	-
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39		204.58	207.19	224.27	222.72	226.01	5.30	5.34	5.81	5.80	5.81
391	Jewelry, silverware, and plated ware	209.99	213.76	228.65	232.75	-	5.57	5.67	6.13	6.24	-
3911	Jewelry, precious metal	208.13	209.24	227.54	234.32	-	5.55	5.64	6.20	6.35	-
393	Musical instruments	207.37	207.48	212.77	205.69	-	5.29	5.32	5.57	5.62	-
394	Toys and sporting goods	185.47	188.47	206.75	205.74	-	4.83	4.87	5.37	5.33	-
3942, 4	Dolls, games, toys, and children's vehicles	177.38	178.45	193.40	193.29	-	4.73	4.81	5.13	5.10	-
3949	Sporting and athletic goods, nec	191.59	196.31	217.56	216.54	-	4.90	4.92	5.55	5.51	-
396	Pens, pencils, office and art supplies	219.89	224.62	236.81	237.01	-	5.47	5.56	5.95	5.94	-
396	Costume jewelry and notions	174.26	175.86	192.65	192.38	-	4.61	4.64	5.03	5.01	-
3961	Costume jewelry	157.76	164.65	178.40	178.32	-	4.37	4.45	4.77	4.73	-
399	Miscellaneous manufactures	226.59	228.34	246.09	242.94	-	5.81	5.84	6.31	6.31	-
3993	Signs and advertising displays	238.23	243.32	261.02	256.32	-	6.22	6.32	6.71	6.71	-
NONDURABLE GOODS											
FOOD AND KINDRED PRODUCTS											
20		259.62	260.52	288.40	285.26	284.98	6.64	6.68	7.21	7.24	7.27
201	Meat products	258.53	258.53	294.19	281.78	-	6.75	6.75	7.30	7.30	-
2011	Meat packing plants	333.74	333.33	381.47	365.20	-	8.16	8.21	8.81	8.80	-
2013	Sausages and other prepared meats	301.48	297.58	336.20	327.33	-	7.77	7.79	8.49	8.48	-
2016	Poultry dressing plants	150.50	154.01	172.42	162.51	-	4.30	4.29	4.66	4.63	-
202	Dairy products	274.29	275.78	294.26	296.70	-	6.69	6.71	7.23	7.29	-
2022	Cheese, natural and processed	247.43	251.29	267.03	271.83	-	6.41	6.46	6.90	6.97	-
2026	Fluid milk	287.43	287.43	309.67	311.33	-	6.86	6.86	7.48	7.52	-
203	Preserved fruits and vegetables	217.70	217.93	248.40	248.13	-	5.64	5.69	6.21	6.25	-
2032	Canned specialties	221.79	223.76	287.12	279.57	-	6.41	6.43	7.16	7.15	-
2033	Canned fruits and vegetables	222.26	224.65	247.50	249.99	-	5.67	5.82	6.25	6.41	-
2037	Frozen fruits and vegetables	202.08	208.89	246.79	246.08	-	5.29	5.37	5.89	5.79	-
204	Grain mill products	312.68	315.86	341.42	335.81	-	7.34	7.38	7.94	7.92	-
2041	Flour and other grain mill products	325.31	327.49	357.15	355.64	-	7.36	7.46	7.99	8.01	-
2048	Prepared feeds, nec	253.38	255.73	282.94	277.07	-	5.99	6.06	6.58	6.55	-
205	Bakery products	265.73	267.96	288.80	291.08	-	6.92	6.96	7.58	7.60	-
2051	Bread, cake, and related products	266.32	267.52	281.20	285.75	-	6.99	7.04	7.60	7.62	-
2052	Cookies and crackers	264.77	269.20	310.58	306.53	-	6.72	6.73	7.52	7.55	-
206	Sugar and confectionery products	246.13	247.54	272.68	267.15	-	6.36	6.38	6.80	6.85	-
2061-3	Cane and beet sugar	316.41	326.78	336.49	336.71	-	7.93	8.19	7.70	7.96	-
2065	Confectionery products	209.38	210.05	232.10	226.04	-	5.51	5.47	6.06	6.06	-
207	Fats and oils	290.06	297.29	321.41	318.85	-	6.73	6.85	7.44	7.52	-
208	Beverages	311.22	320.36	334.22	334.05	-	7.80	7.91	8.44	8.50	-
2082	Malt beverages	444.26	460.71	462.99	455.87	-	10.38	10.64	11.32	11.34	-
2086	Bottled and canned soft drinks	225.04	231.08	247.02	251.68	-	5.83	5.88	6.35	6.47	-
209	Misc. foods and kindred products	210.54	207.19	240.03	241.42	-	5.80	5.82	6.35	6.37	-
TOBACCO MANUFACTURES											
21		271.58	285.39	324.17	328.18	319.22	7.36	7.57	8.42	8.48	8.49
211	Cigarettes	323.25	332.38	403.75	402.99	-	8.62	8.77	10.17	10.10	-
TEXTILE MILL PRODUCTS											
22		199.92	201.23	213.07	213.07	213.60	4.90	4.92	5.34	5.34	5.34
221	Weaving mills, cotton	211.93	215.22	220.70	216.86	-	5.07	5.10	5.49	5.49	-
222	Weaving mills, synthetics	213.50	214.76	230.74	231.01	-	5.12	5.15	5.56	5.58	-
223	Weaving and finishing mills, wool	200.09	204.11	225.35	225.09	-	5.04	5.09	5.43	5.45	-
224	Narrow fabric mills	183.87	183.42	197.07	197.47	-	4.54	4.54	4.89	4.90	-
225	Knitting mills	182.03	180.96	190.51	191.64	-	4.62	4.64	5.04	5.03	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
	TRANSPORTATION EQUIPMENT—Continued										
376	Guided missiles, space vehicles, parts	41.9	41.2	40.9	40.8	-	4.2	4.1	3.5	3.4	-
3761	Guided missiles and space vehicles	41.9	40.8	40.6	40.5	-	3.8	3.4	2.9	3.0	-
379	Miscellaneous transportation equipment	38.4	38.3	39.4	37.5	-	1.1	1.0	2.0	1.6	-
3792	Travel trailers and campers	37.5	36.8	38.0	36.0	-	1.3	.7	1.8	1.4	-
	INSTRUMENTS AND RELATED PRODUCTS										
38	Engineering and scientific instruments	40.8	40.6	40.6	40.5	40.9	2.6	2.5	2.4	2.3	-
381	Measuring and controlling devices	41.6	41.8	40.7	40.3	-	3.2	3.2	2.9	2.9	-
382	Environmental controls	41.6	41.4	40.8	40.4	-	2.6	2.5	2.1	2.1	-
3822	Process control instruments	40.5	40.7	40.1	39.8	-	1.8	2.0	2.4	2.5	-
3823	Instruments to measure electricity	43.4	43.0	42.7	42.1	-	4.3	3.8	3.2	3.0	-
3825	Optical instruments and lenses	41.6	41.8	40.5	40.1	-	2.1	2.2	1.6	1.6	-
383	Medical instruments and supplies	43.0	41.6	40.8	42.0	-	3.7	3.6	3.3	3.4	-
384	Surgical and medical instruments	39.6	39.6	39.8	40.1	-	2.3	2.2	2.3	2.3	-
3841	Surgical appliances and supplies	40.1	40.4	40.5	41.3	-	2.7	2.5	2.4	2.3	-
3842	Ophthalmic goods	39.3	39.0	39.5	39.2	-	2.3	2.2	2.5	2.5	-
385	Photographic equipment and supplies	39.5	39.8	39.7	40.2	-	1.8	2.1	1.6	1.6	-
386	Watches, clocks, and watchcases	40.5	40.4	42.1	41.7	-	2.9	2.7	3.5	3.0	-
387	Signs and advertising displays	39.3	38.1	38.6	38.6	-	1.4	1.4	.7	1.0	-
	MISCELLANEOUS MANUFACTURING INDUSTRIES										
38	Jewelry, silverware, and plated ware	38.6	38.8	38.6	38.4	38.9	2.0	2.1	1.8	1.9	-
391	Jewelry, precious metal	37.7	37.7	37.3	37.3	-	2.0	2.1	1.6	1.7	-
3911	Musical instruments	37.5	37.1	36.7	36.9	-	2.4	2.3	2.0	2.1	-
393	Toys and sporting goods	39.2	39.0	38.2	36.6	-	1.6	1.7	.8	1.0	-
394	Dolls, games, toys, and children's vehicles	38.4	38.7	38.5	38.6	-	1.5	1.6	1.4	1.6	-
3942, 4	Sporting and athletic goods, nec	37.5	37.1	37.7	37.9	-	1.2	1.2	1.1	1.2	-
3949	Pens, pencils, office and art supplies	39.1	39.9	39.2	39.3	-	1.8	2.0	1.6	1.9	-
395	Costume jewelry and notions	40.2	40.4	39.8	39.9	-	2.4	2.9	2.3	2.4	-
396	Costume jewelry	37.8	37.9	38.3	38.4	-	2.3	2.3	2.0	1.8	-
3961	Miscellaneous manufactures	36.1	37.0	37.4	37.7	-	1.5	1.7	1.9	1.5	-
399	Signs and advertising displays	39.0	39.1	39.0	38.5	-	2.1	2.2	2.2	2.2	-
3993	Signs and advertising displays	38.3	38.5	38.9	38.2	-	2.1	2.4	2.6	2.7	-
	NONDURABLE GOODS										
	FOOD AND KINDRED PRODUCTS										
20	Meat products	39.1	39.0	40.0	39.4	39.2	3.4	3.4	4.0	3.6	-
201	Meat packing plants	38.3	38.3	40.3	38.6	-	3.3	3.3	4.4	3.6	-
2011	Sausages and other prepared meats	40.9	40.6	43.3	41.5	-	4.5	4.5	6.0	5.0	-
2013	Poultry dressing plants	38.8	38.2	39.6	38.6	-	3.0	2.7	3.4	2.8	-
2016	Dairy products	35.0	35.9	37.0	35.1	-	2.1	2.3	2.8	2.2	-
202	Cheese, natural and processed	41.0	41.1	40.7	40.7	-	3.9	3.8	3.7	3.8	-
2022	Fluid milk	38.6	38.9	38.7	39.0	-	3.3	3.2	3.0	3.3	-
2026	Preserved fruits and vegetables	41.9	41.9	41.4	41.4	-	4.2	4.1	4.1	4.2	-
203	Canned specialties	38.6	38.3	40.0	39.7	-	3.0	3.0	4.1	3.9	-
2032	Canned fruits and vegetables	34.6	34.8	40.1	39.1	-	4.3	3.6	6.4	5.7	-
2033	Frozen fruits and vegetables	39.2	38.6	39.6	39.0	-	2.4	2.9	3.1	3.1	-
2037	Grain mill products	38.2	38.9	41.9	42.5	-	3.3	3.8	6.2	5.5	-
204	Flour and other grain mill products	42.6	42.8	43.0	42.4	-	5.7	5.6	5.9	5.3	-
2041	Prepared feeds, nec	44.2	43.9	44.7	44.4	-	5.8	5.5	5.9	6.1	-
2048	Bakery products	42.3	42.2	43.0	42.3	-	5.7	5.5	6.2	5.4	-
205	Bread, cake, and related products	38.4	38.5	38.1	38.3	-	3.0	3.1	3.0	3.0	-
2051	Cookies and crackers	38.1	38.0	37.0	37.5	-	3.3	3.3	2.9	3.0	-
2052	Sugar and confectionery products	39.4	40.0	41.3	40.6	-	2.3	2.6	3.2	2.7	-
206	Cane and beet sugar	38.7	38.8	40.1	39.0	-	1.9	1.9	2.9	2.5	-
2061-3	Confectionery products	39.9	39.9	43.7	42.3	-	1.1	.8	4.3	3.6	-
2065	Fats and oils	38.0	38.4	38.3	37.3	-	2.2	2.4	2.2	2.1	-
207	Malt beverages	43.1	43.4	43.2	42.4	-	5.2	5.4	5.5	5.1	-
208	Bottled and canned soft drinks	39.9	40.5	39.6	39.3	-	3.5	3.8	3.3	3.3	-
2082	Misc. foods and kindred products	42.8	43.3	40.9	40.2	-	5.3	5.6	5.0	5.0	-
2086	Cigarettes	38.6	39.3	38.9	38.9	-	2.9	3.3	2.7	2.8	-
209	Cigarettes	36.3	35.6	37.8	37.9	-	2.6	2.5	3.3	3.3	-
	TOBACCO MANUFACTURES										
21	Cigarettes	36.9	37.7	38.5	38.7	37.6	.8	1.2	2.6	2.5	-
211	Cigarettes	37.5	37.9	39.7	39.9	-	.8	1.2	3.3	3.4	-
	TEXTILE MILL PRODUCTS										
22	Weaving mills, cotton	40.8	40.9	39.9	39.9	40.0	3.7	3.8	3.2	3.1	-
221	Weaving mills, synthetics	41.8	42.2	40.2	39.5	-	4.5	4.8	3.5	3.1	-
222	Weaving and finishing mills, wool	41.7	41.7	41.5	41.4	-	3.9	3.9	4.0	3.8	-
223	Narrow fabric mills	39.7	40.1	41.5	41.3	-	3.0	3.3	3.3	3.3	-
224	Knitting mills	40.5	40.4	40.3	40.3	-	3.2	3.2	2.4	2.7	-
225	Knitting mills	39.4	39.0	37.8	38.1	-	3.0	3.0	2.3	2.2	-

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				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
	TEXTILE MILL PRODUCTS—Continued										
2251	Women's hosiery, except socks	\$159.65	\$164.69	\$176.27	\$169.93	-	\$4.35	\$4.38	\$4.79	\$4.76	-
2252	Hosiery, nec	168.30	162.63	175.38	180.50	-	4.36	4.36	4.74	4.75	-
2253	Knit outerwear mills	176.67	175.10	185.38	187.37	-	4.53	4.56	4.97	4.97	-
2254	Knit underwear mills	166.66	169.50	175.81	176.41	-	4.48	4.52	4.83	4.82	-
2257	Circular knit fabric mills	219.17	218.01	219.14	219.70	-	5.05	5.07	5.52	5.52	-
226	Textile finishing, except wool	215.06	219.03	231.99	233.86	-	5.22	5.24	5.70	5.69	-
2261	Finishing plants, cotton	221.20	224.39	232.76	234.26	-	5.33	5.33	5.79	5.77	-
2262	Finishing plants, synthetics	220.04	225.60	245.61	249.48	-	5.38	5.41	5.89	5.87	-
227	Floor covering mills	200.88	201.80	220.40	217.16	-	4.96	5.02	5.51	5.47	-
228	Yarn and thread mills	189.11	190.81	199.50	200.40	-	4.59	4.62	5.00	5.01	-
2281	Yarn mills, except wool	193.58	194.46	200.80	200.30	-	4.62	4.63	5.02	5.02	-
2282	Throwing and winding mills	177.60	173.16	190.48	190.39	-	4.44	4.44	4.81	4.82	-
229	Miscellaneous textile goods	218.53	221.90	244.67	246.96	-	5.33	5.36	5.91	5.88	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	157.53	158.95	172.13	171.42	\$177.35	4.45	4.49	4.89	4.87	\$4.94
231	Men's and boys' suits and coats	188.15	185.42	204.12	201.55	-	5.33	5.39	5.67	5.63	-
232	Men's and boys' furnishings	152.15	151.32	161.53	160.72	-	4.18	4.18	4.55	4.54	-
2321	Men's and boys' shirts and nightwear	147.70	144.18	156.29	157.27	-	4.08	4.05	4.44	4.43	-
2327	Men's and boys' separate trousers	152.80	150.50	164.15	163.10	-	4.28	4.30	4.69	4.66	-
2328	Men's and boys' work clothing	152.28	152.93	160.65	156.91	-	4.05	4.10	4.45	4.42	-
233	Women's and misses' outerwear	150.53	152.89	161.51	162.43	-	4.48	4.51	4.85	4.82	-
2331	Women's and misses' blouses and waists	145.94	145.43	152.21	154.70	-	4.23	4.24	4.53	4.55	-
2335	Women's and misses' dresses	148.39	150.88	157.19	158.05	-	4.58	4.60	4.99	4.97	-
2337	Women's and misses' suits and coats	157.56	162.43	174.68	178.37	-	4.76	4.82	5.23	5.17	-
2339	Women's and misses' outerwear, nec	152.42	153.65	164.38	164.27	-	4.38	4.39	4.71	4.68	-
234	Women's and children's undergarments	148.47	147.60	156.47	159.92	-	4.09	4.10	4.42	4.43	-
2341	Women's and children's underwear	148.30	147.02	154.70	158.56	-	4.03	4.05	4.37	4.38	-
2342	Brassieres and allied garments	148.43	149.39	163.09	165.79	-	4.34	4.33	4.62	4.67	-
236	Children's outerwear	149.14	145.44	162.45	161.81	-	4.12	4.12	4.50	4.47	-
2361	Children's dresses and blouses	144.94	140.48	157.44	159.28	-	4.06	4.06	4.41	4.40	-
238	Misc. apparel and accessories	156.52	157.35	172.79	172.54	-	4.36	4.42	4.76	4.74	-
239	Misc. fabricated textile products	181.16	187.37	213.38	211.31	-	4.87	4.97	5.63	5.62	-
2391	Curtains and draperies	144.80	146.15	151.16	154.22	-	4.00	3.95	4.27	4.32	-
2392	House furnishing, nec	165.30	169.45	180.21	182.40	-	4.35	4.39	4.78	4.80	-
2396	Automotive and apparel trimmings	278.55	293.04	356.17	348.77	-	7.59	7.92	8.86	8.92	-
26	PAPER AND ALLIED PRODUCTS	318.85	320.12	353.96	350.65	353.18	7.52	7.55	8.27	8.27	8.31
261, 2.6	Paper and pulp mills	390.23	392.45	426.31	427.71	-	8.73	8.76	9.58	9.59	-
262	Paper mills, except building paper	392.79	392.37	429.30	431.16	-	8.69	8.70	9.54	9.56	-
263	Paperboard mills	386.31	388.49	436.10	431.83	-	8.84	8.89	9.80	9.77	-
264	Misc. converted paper products	271.99	274.03	300.85	299.06	-	6.65	6.70	7.32	7.33	-
2641	Paper coating and glazing	307.94	312.91	344.80	344.82	-	7.28	7.38	8.19	8.21	-
2642	Envelopes	243.76	243.79	269.47	269.74	-	6.14	6.11	6.67	6.71	-
2643	Bags, except textile bags	257.86	257.18	282.91	285.11	-	6.32	6.35	6.85	6.87	-
265	Paperboard containers and boxes	276.71	277.12	309.33	300.03	-	6.70	6.71	7.33	7.30	-
2651	Folding paperboard boxes	280.13	279.75	314.07	305.21	-	6.75	6.79	7.46	7.39	-
2653	Corrugated and solid fiber boxes	293.86	290.79	328.85	314.99	-	6.98	6.94	7.63	7.59	-
2654	Sanitary food containers	256.31	260.07	291.02	286.49	-	6.36	6.39	6.88	6.92	-
27	PRINTING AND PUBLISHING	269.73	273.05	293.83	294.89	298.34	7.29	7.34	7.92	7.97	8.02
271	Newspapers	253.84	251.42	264.70	269.92	-	7.60	7.55	8.07	8.13	-
272	Periodicals	241.82	244.61	282.33	286.09	-	6.87	6.91	7.61	7.67	-
273	Books	247.30	249.06	274.28	271.36	-	6.44	6.52	7.18	7.16	-
2731	Book publishing	237.16	236.63	262.71	262.82	-	6.16	6.26	6.95	6.99	-
2732	Book printing	257.38	261.71	286.38	281.12	-	6.72	6.78	7.40	7.34	-
274	Miscellaneous publishing	217.52	222.99	232.90	236.27	-	6.11	6.16	6.81	6.77	-
275	Commercial printing	288.42	294.90	317.24	318.27	-	7.57	7.64	8.24	8.31	-
2751	Commercial printing, letterpress	263.38	268.84	295.66	297.58	-	7.08	7.15	7.76	7.79	-
2752	Commercial printing, lithographic	301.86	306.94	327.71	327.37	-	7.80	7.85	8.49	8.57	-
276	Manifold business forms	289.98	298.07	316.27	309.64	-	7.16	7.27	7.79	7.78	-
278	Blankbooks and bookbinding	215.56	220.92	246.58	234.85	-	5.57	5.65	6.18	6.10	-
279	Printing trade services	361.37	354.55	375.12	382.38	-	9.46	9.48	9.95	10.01	-
28	CHEMICALS AND ALLIED PRODUCTS	333.22	335.69	362.30	363.96	366.08	8.01	8.05	8.73	8.77	8.80
281	Industrial inorganic chemicals	362.82	363.13	401.82	399.78	-	8.68	8.75	9.59	9.61	-
2819	Industrial inorganic chemicals, nec	364.00	367.28	399.92	395.09	-	8.75	8.85	9.66	9.66	-
282	Plastics materials and synthetics	336.46	336.84	362.71	365.66	-	8.03	8.02	8.74	8.79	-
2821	Plastics materials and resins	370.64	371.49	411.15	412.30	-	8.68	8.70	9.43	9.50	-
2824	Organic fibers, noncellulosic	313.12	312.16	328.42	331.67	-	7.60	7.54	8.19	8.23	-
283	Drugs	303.96	306.68	328.34	330.44	-	7.45	7.48	7.95	8.04	-
2834	Pharmaceutical preparations	287.43	290.39	310.68	313.88	-	7.15	7.17	7.69	7.75	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
	TEXTILE MILL PRODUCTS—Continued										
2251	Women's hosiery, except socks	36.7	37.6	36.8	35.7	-	2.1	2.1	1.8	1.2	-
2252	Hosiery, nec	38.6	37.3	37.0	38.0	-	2.3	1.9	1.8	1.8	-
2253	Knit outerwear mills	39.0	38.4	37.3	37.7	-	2.8	2.7	2.3	2.2	-
2254	Knit underwear mills	37.2	37.5	36.4	36.6	-	1.5	1.7	1.4	1.2	-
2257	Circular knit fabric mills	43.4	43.0	39.7	39.8	-	5.6	5.5	3.0	3.0	-
226	Textile finishing, except wool	41.2	41.8	40.7	41.1	-	3.8	4.1	3.7	3.6	-
2261	Finishing plants, cotton	41.5	42.1	40.2	40.6	-	3.7	4.0	3.5	3.4	-
2262	Finishing plants, synthetics	40.9	41.7	41.7	42.5	-	3.6	3.8	4.2	4.3	-
227	Floor covering mills	40.5	40.2	40.0	39.7	-	3.2	3.7	3.5	2.8	-
228	Yarn and thread mills	41.2	41.3	39.9	40.0	-	4.0	4.2	3.2	3.3	-
2281	Yarn mills, except wool	41.9	42.0	40.0	39.9	-	4.4	4.5	3.5	3.3	-
2282	Throwing and winding mills	40.0	39.0	39.6	39.5	-	3.5	3.4	3.1	3.3	-
229	Miscellaneous textile goods	41.0	41.4	41.4	42.0	-	3.3	3.4	3.6	3.8	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	35.4	35.4	35.2	35.2	35.9	1.0	1.1	.9	1.0	-
231	Men's and boys' suits and coats	35.3	34.4	36.0	35.8	-	.7	.7	.7	.6	-
232	Men's and boys' furnishings	36.4	36.2	35.5	35.4	-	1.1	1.2	.9	.8	-
2321	Men's and boys' shirts and highwear	36.2	35.6	35.2	35.5	-	1.2	1.2	1.0	.9	-
2327	Men's and boys' separate trousers	35.7	35.0	35.0	35.0	-	1.0	1.0	.8	.8	-
2328	Men's and boys' work clothing	37.6	37.3	36.1	35.5	-	1.3	1.4	.9	.6	-
233	Women's and misses' outerwear	33.6	33.9	33.3	33.7	-	.9	1.0	.9	1.0	-
2331	Women's and misses' blouses and waists	34.5	34.3	33.6	34.0	-	1.0	1.0	.8	1.0	-
2335	Women's and misses' dresses	32.4	32.8	31.5	31.8	-	.8	.9	.7	.8	-
2337	Women's and misses' suits and coats	33.1	33.7	33.4	34.5	-	.7	.8	.8	1.1	-
2339	Women's and misses' outerwear, nec	34.8	35.0	34.9	35.1	-	1.1	1.3	1.1	1.2	-
234	Women's and children's undergarments	36.3	36.0	35.4	36.1	-	1.0	1.0	.9	1.2	-
2341	Women's and children's underwear	36.8	36.3	35.4	36.2	-	1.1	1.0	.9	1.2	-
2342	Brassieres and allied garments	34.2	34.5	35.3	35.5	-	.7	1.2	.9	1.0	-
236	Children's outerwear	36.2	35.3	36.1	36.2	-	1.3	1.3	1.0	1.2	-
2361	Children's dresses and blouses	35.7	34.6	35.7	36.2	-	1.0	1.1	.8	1.0	-
238	Misc. apparel and accessories	35.9	35.6	36.3	36.4	-	1.0	1.1	.7	1.0	-
239	Misc. fabricated textile products	37.2	37.7	37.9	37.6	-	1.2	1.4	1.4	1.5	-
2391	Curtains and draperies	36.2	37.0	35.4	35.7	-	.9	.9	.4	.2	-
2392	House furnishings, nec	38.0	38.6	37.7	38.0	-	1.7	1.7	1.6	1.5	-
2396	Automotive and apparel trimmings	36.7	37.0	40.2	39.1	-	.4	1.4	1.0	1.9	-
26	PAPER AND ALLIED PRODUCTS	42.4	42.4	42.8	42.4	42.5	4.1	4.2	4.7	4.4	-
261, 2, 6	Paper and pulp mills	44.7	44.8	44.5	44.6	-	6.6	6.5	6.5	6.3	-
262	Paper mills, except building paper	45.2	45.1	45.0	45.1	-	6.7	6.5	6.7	6.5	-
263	Paperboard mills	43.7	43.7	44.5	44.2	-	6.8	6.6	7.3	7.1	-
264	Misc. converted paper products	40.9	40.9	41.1	40.8	-	3.1	3.1	3.0	2.9	-
2641	Paper coating and glazing	42.3	42.4	42.1	42.0	-	3.7	3.6	3.2	2.9	-
2642	Envelopes	39.7	39.9	40.4	40.2	-	2.9	2.8	2.6	2.3	-
2643	Bags, except textile bags	40.8	40.5	41.3	41.5	-	3.1	2.8	3.2	3.2	-
266	Paperboard containers and boxes	41.3	41.3	42.2	41.1	-	2.0	2.2	3.7	3.2	-
2661	Folding paperboard boxes	41.5	41.2	42.1	41.3	-	3.2	3.3	4.0	3.5	-
2653	Corrugated and solid fiber boxes	42.1	41.9	43.1	41.5	-	1.1	1.4	4.0	3.2	-
2654	Sanitary food containers	40.3	40.7	42.3	41.4	-	2.9	2.9	3.5	3.2	-
27	PRINTING AND PUBLISHING	37.0	37.2	37.1	37.0	37.2	2.5	2.7	2.3	2.3	-
271	Newspapers	33.4	33.3	32.8	33.2	-	1.8	1.7	1.1	1.3	-
272	Periodicals	35.2	35.4	37.1	37.3	-	2.1	2.0	1.7	2.1	-
273	Books	38.4	38.2	38.2	37.9	-	2.9	2.9	2.2	2.2	-
2731	Book publishing	38.5	37.8	37.8	37.6	-	2.0	1.8	1.3	1.7	-
2732	Book printing	38.3	38.6	38.7	38.3	-	3.8	4.1	3.2	2.8	-
274	Miscellaneous publishing	35.6	36.2	34.2	34.9	-	1.6	1.7	1.6	1.2	-
275	Commercial printing	38.1	38.6	38.5	38.3	-	2.9	3.2	2.8	2.7	-
2751	Commercial printing, letterpress	37.2	37.6	38.1	38.2	-	2.4	2.5	2.3	2.3	-
2752	Commercial printing, lithographic	38.7	39.1	38.6	38.2	-	3.4	3.7	2.9	3.0	-
276	Manifold business forms	40.5	41.0	40.6	39.8	-	3.5	3.5	3.3	2.5	-
278	Blankbooks and bookbinding	38.7	39.1	39.9	38.5	-	1.9	2.3	2.8	1.7	-
279	Printing trade service	38.2	37.4	37.7	38.2	-	3.4	3.0	3.3	3.8	-
28	CHEMICALS AND ALLIED PRODUCTS	41.6	41.7	41.5	41.5	41.6	3.2	3.4	3.4	3.3	-
281	Industrial inorganic chemicals	41.8	41.5	41.9	41.6	-	3.4	3.2	3.3	3.5	-
2819	Industrial inorganic chemicals, nec	41.6	41.5	41.4	40.9	-	3.1	3.0	3.1	3.0	-
282	Plastics materials and synthetics	41.9	42.0	41.5	41.6	-	3.2	3.2	3.2	3.0	-
2821	Plastics materials and resins	42.7	42.7	43.6	43.4	-	4.5	4.4	4.7	4.6	-
2824	Organic fibers, noncellulosic	41.2	41.4	40.1	40.3	-	2.1	2.1	2.0	1.7	-
283	Drugs	40.8	41.0	41.3	41.1	-	2.7	3.1	3.1	3.2	-
2834	Pharmaceutical preparations	40.2	40.5	40.4	40.5	-	2.6	3.1	3.0	3.2	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry— Continued

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	\$289.74	\$296.61	\$319.59	\$317.21	-	\$7.28	\$7.36	\$8.03	\$7.95	-
2841	Soap and other detergents	402.78	411.40	427.65	419.83	-	9.59	9.68	10.28	10.19	-
2844	Toilet preparations	220.79	225.62	249.60	258.46	-	5.72	5.80	6.50	6.56	-
2842, 3	Polishing, sanitation, and finishing preparations	269.70	275.71	303.28	295.96	-	6.88	6.91	7.62	7.55	-
285	Paints and allied products	286.72	292.90	317.49	312.82	-	7.15	7.25	7.82	7.84	-
286	Industrial organic chemicals	403.12	407.89	431.80	439.30	-	9.31	9.42	10.16	10.24	-
2865	Cyclic crudes and intermediates	369.28	370.60	390.82	405.84	-	8.73	8.72	9.44	9.64	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	415.07	421.61	445.73	449.96	-	9.52	9.67	10.39	10.44	-
287	Agricultural chemicals	336.26	336.10	377.14	382.36	-	7.73	7.78	8.65	8.69	-
289	Miscellaneous chemical products	307.27	308.92	336.96	338.62	-	7.44	7.48	8.10	8.14	-
29	PETROLEUM AND COAL PRODUCTS	371.99	366.03	471.16	482.66	\$491.72	9.37	9.29	11.06	11.33	\$11.33
291	Petroleum refining	408.81	402.95	507.70	524.17	-	10.73	10.66	11.89	12.19	-
295	Paving and roofing materials	308.45	305.58	345.23	338.13	-	7.14	7.19	8.01	8.07	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	249.38	250.80	284.66	279.39	283.79	6.25	6.27	6.96	6.95	6.99
301	Tires and inner tubes	369.15	366.28	461.34	439.30	-	9.16	9.18	10.63	10.56	-
302	Rubber and plastics footwear	173.84	174.94	189.70	183.37	-	4.39	4.44	4.56	4.55	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	274.98	275.64	301.80	306.86	-	6.61	6.61	7.22	7.43	-
306	Fabricated rubber products, nec	238.79	238.55	265.06	262.42	-	6.03	6.07	6.61	6.61	-
307	Miscellaneous plastics products	230.62	233.78	258.62	254.96	-	5.78	5.83	6.37	6.39	-
31	LEATHER AND LEATHER PRODUCTS	164.50	164.16	177.51	178.24	179.95	4.47	4.51	4.85	4.87	4.89
311	Leather tanning and finishing	237.39	240.59	257.84	260.74	-	5.92	5.97	6.43	6.47	-
314	Footwear, except rubber	159.28	157.68	170.97	171.23	-	4.34	4.38	4.71	4.73	-
3143	Men's footwear, except athletic	171.29	173.07	188.12	187.50	-	4.58	4.64	4.99	5.00	-
3144	Women's footwear, except athletic	149.76	146.93	156.80	160.26	-	4.16	4.21	4.48	4.54	-
316	Luggage	166.85	169.44	182.59	191.52	-	4.70	4.80	5.03	5.08	-
317	Handbags and personal leather goods	154.03	154.56	162.53	164.52	-	4.22	4.20	4.54	4.57	-
-	TRANSPORTATION AND PUBLIC UTILITIES	338.05	340.49	368.39	372.88	371.70	8.58	8.62	9.35	9.44	9.41
	RAILROAD TRANSPORTATION:										
4011	Class I railroads	402.41	405.77	446.68	-	-	9.65	9.57	10.51	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	204.29	207.08	221.37	221.71	-	6.08	6.20	6.53	6.54	-
411	Local and suburban transportation	276.21	269.01	279.57	277.87	-	6.94	6.88	7.15	7.18	-
413	Intercity highway transportation	307.15	337.21	383.77	373.82	-	9.48	9.86	10.69	10.56	-
42	TRUCKING AND WAREHOUSING	342.13	345.35	372.87	374.23	-	8.75	8.81	9.61	9.67	-
421, 3	Trucking and trucking terminals	349.55	352.41	381.02	381.97	-	8.94	8.99	9.82	9.87	-
422	Public warehousing	239.09	237.50	263.64	262.27	-	6.21	6.25	6.76	6.83	-
46	PIPE LINES, EXCEPT NATURAL GAS	441.79	440.77	492.05	478.33	-	10.62	10.57	11.39	11.61	-
48	COMMUNICATION	329.60	330.34	358.38	362.58	-	8.24	8.30	9.05	9.11	-
481	Telephone communication	342.19	341.25	371.87	376.27	-	8.47	8.51	9.32	9.36	-
4817	Switchboard operating employees ³	223.80	215.99	247.54	260.78	-	7.06	6.99	7.57	7.67	-
4818	Line construction employees ⁴	428.43	435.46	454.69	466.56	-	10.01	10.08	12.19	12.15	-
483	Radio and television broadcasting	269.14	272.88	296.66	295.91	-	7.12	7.20	7.89	7.87	-
49	ELECTRIC, GAS, AND SANITARY SERVICES ..	356.93	358.15	393.54	396.74	-	8.58	8.63	9.46	9.56	-
491	Electric services	371.39	373.93	402.53	409.92	-	8.78	8.84	9.63	9.76	-
492	Gas production and distribution	323.14	324.01	368.68	362.85	-	7.92	8.06	8.82	8.85	-
493	Combination utility services	385.02	381.71	424.97	434.51	-	9.30	9.31	10.34	10.47	-
495	Sanitary services	281.67	282.35	309.20	306.82	-	6.87	6.82	7.56	7.52	-
-	WHOLESALE AND RETAIL TRADE	170.98	172.80	183.86	184.81	186.62	5.36	5.40	5.80	5.83	5.85
50, 51	WHOLESALE TRADE	259.97	262.27	282.21	282.65	286.44	6.77	6.83	7.33	7.38	7.44
50	WHOLESALE TRADE-DURABLE GOODS	260.74	263.16	284.70	284.45	-	6.72	6.80	7.30	7.35	-
501	Motor vehicles and automotive equipment	237.12	239.40	260.94	261.50	-	6.24	6.30	6.76	6.81	-
502	Furniture and home furnishings	223.38	230.89	251.54	250.50	-	6.07	6.19	6.69	6.68	-
503	Lumber and construction materials	257.26	257.34	291.00	288.02	-	6.77	6.79	7.50	7.52	-
504	Sporting goods, toys, and hobby goods	263.15	258.75	296.40	294.75	-	6.98	6.90	7.80	7.86	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	39.8	40.3	39.8	39.9	-	2.6	2.9	2.8	2.5	-
2841	Soap and other detergents	42.0	42.5	41.6	41.2	-	3.8	4.3	3.9	3.3	-
2844	Toilet preparations	38.6	38.9	38.4	39.4	-	2.1	2.3	2.3	2.3	-
2842, 3	Polishing, sanitation, and finishing preparations	39.2	39.9	39.8	39.2	-	1.8	2.2	2.3	1.9	-
285	Paints and allied products	40.1	40.4	40.6	39.9	-	2.3	2.6	2.6	2.2	-
286	Industrial organic chemicals	43.3	43.3	42.5	42.9	-	3.7	3.9	4.0	3.9	-
2865	Cyclic crudes and intermediates	42.3	42.5	41.4	42.1	-	3.5	3.8	3.9	4.0	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	43.6	43.6	42.9	43.1	-	3.8	4.0	4.0	3.8	-
287	Agricultural chemicals	43.5	43.2	43.6	44.0	-	5.0	5.1	5.0	5.4	-
289	Miscellaneous chemical products	41.3	41.3	41.6	41.6	-	3.2	3.3	3.6	3.6	-
29	PETROLEUM AND COAL PRODUCTS	39.7	39.4	42.6	42.6	43.4	4.3	4.1	3.5	3.6	-
291	Petroleum refining	38.1	37.8	42.7	43.0	-	3.6	3.5	3.2	3.5	-
295	Paving and roofing materials	43.2	42.5	43.1	41.9	-	6.3	5.6	5.5	5.1	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	39.9	40.0	40.9	40.2	40.6	2.7	2.8	3.3	3.0	-
301	Tires and inner tubes	40.3	39.9	43.4	41.6	-	2.0	1.8	4.8	3.6	-
302	Rubber and plastics footwear	39.6	39.4	41.6	40.3	-	2.5	2.7	2.5	2.3	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	41.6	41.7	41.8	41.3	-	2.3	2.1	2.5	2.7	-
306	Fabricated rubber products, nec	39.6	39.3	40.1	39.7	-	2.5	2.4	2.8	2.5	-
307	Miscellaneous plastics products	39.9	40.1	40.6	39.9	-	3.0	3.1	3.2	3.1	-
31	LEATHER AND LEATHER PRODUCTS	36.8	36.4	36.6	36.6	36.8	1.4	1.6	1.6	1.4	-
311	Leather tanning and finishing	40.1	40.3	40.1	40.3	-	2.9	3.2	3.2	3.2	-
314	Footwear, except rubber	36.7	36.0	36.3	36.2	-	1.2	1.3	1.3	1.1	-
3143	Men's footwear, except athletic	37.4	37.3	37.7	37.5	-	1.3	1.6	1.6	1.4	-
3144	Women's footwear, except athletic	36.0	34.9	35.0	35.3	-	1.1	1.1	1.2	1.0	-
316	Luggage	35.5	35.3	36.3	37.7	-	1.9	2.4	1.7	1.4	-
317	Handbags and personal leather goods	36.5	36.8	35.8	36.0	-	1.4	1.9	2.0	2.0	-
-	TRANSPORTATION AND PUBLIC UTILITIES	39.4	39.5	39.4	39.5	39.5	-	-	-	-	-
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	41.7	42.4	42.5	-	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	33.6	33.4	33.9	33.9	-	-	-	-	-	-
411	Local and suburban transportation	39.8	39.1	39.1	38.7	-	-	-	-	-	-
413	Intercity highway transportation	32.4	34.2	35.9	35.4	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	39.1	39.2	38.8	38.7	-	-	-	-	-	-
421, 3	Trucking and trucking terminals	39.1	39.2	38.8	38.7	-	-	-	-	-	-
422	Public warehousing	38.5	38.0	39.0	38.4	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	41.6	41.7	43.2	41.2	-	-	-	-	-	-
48	COMMUNICATION	40.0	39.8	39.6	39.8	-	-	-	-	-	-
481	Telephone communication	40.4	40.1	39.9	40.2	-	-	-	-	-	-
4817	Switchboard operating employees ³	31.7	30.9	32.7	34.0	-	-	-	-	-	-
4818	Line construction employees ⁴	42.8	43.2	37.3	38.4	-	-	-	-	-	-
483	Radio and television broadcasting	37.8	37.9	37.6	37.6	-	-	-	-	-	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	41.6	41.5	41.6	41.5	-	-	-	-	-	-
491	Electric services	42.3	42.3	41.8	42.0	-	-	-	-	-	-
492	Gas production and distribution	40.8	40.2	41.8	41.0	-	-	-	-	-	-
493	Combination utility services	41.4	41.0	41.1	41.5	-	-	-	-	-	-
495	Sanitary services	41.0	41.4	40.9	40.8	-	-	-	-	-	-
-	WHOLESALE AND RETAIL TRADE	31.9	32.0	31.7	31.7	31.9	-	-	-	-	-
50, 51	WHOLESALE TRADE	38.4	38.4	38.5	38.3	38.5	-	-	-	-	-
50	WHOLESALE TRADE-DURABLE GOODS	38.8	38.7	39.0	38.7	-	-	-	-	-	-
501	Motor vehicles and automotive equipment	38.0	38.0	38.6	38.4	-	-	-	-	-	-
502	Furniture and home furnishings	36.8	37.3	37.6	37.5	-	-	-	-	-	-
503	Lumber and construction materials	38.0	37.9	38.8	38.3	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods	37.7	37.5	38.0	37.5	-	-	-	-	-	-

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				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	\$316.81	\$318.40	\$341.70	\$341.35	-	\$7.94	\$7.98	\$8.50	\$8.62	-
506	Electrical goods	267.80	272.13	298.31	301.86	-	6.92	7.05	7.61	7.76	-
507	Hardware, plumbing, and heating equipment	243.57	245.88	264.32	261.12	-	6.31	6.37	6.83	6.80	-
508	Machinery, equipment, and supplies	273.53	276.67	294.39	295.21	-	6.96	7.04	7.51	7.55	-
509	Miscellaneous durable goods	220.59	221.38	237.16	233.09	-	5.70	5.75	6.16	6.15	-
51	WHOLESALE TRADE-NONDURABLE GOODS	258.86	261.82	278.59	278.62	-	6.83	6.89	7.37	7.41	-
511	Paper and paper products	287.00	287.79	303.60	304.43	-	7.95	7.95	8.25	8.25	-
512	Drugs, proprietaries, and sundries	262.36	268.25	284.97	290.45	-	7.11	7.25	7.64	7.85	-
513	Apparel, piece goods, and notions	227.91	230.00	241.85	241.78	-	6.21	6.25	6.59	6.57	-
514	Groceries and related products	260.44	261.59	278.57	280.48	-	6.80	6.83	7.35	7.42	-
516	Chemicals and allied products	319.51	322.26	347.31	345.82	-	8.13	8.20	8.86	8.89	-
517	Petroleum and petroleum products	340.45	344.92	359.88	357.40	-	8.49	8.58	8.93	8.98	-
518	Beer, wine, and distilled beverages	278.58	284.16	308.43	304.24	-	7.57	7.68	8.45	8.29	-
519	Miscellaneous nondurable goods	210.72	213.74	228.98	229.90	-	5.56	5.61	6.01	6.05	-
52-59	RETAIL TRADE	142.44	143.82	152.81	153.92	\$154.96	4.78	4.81	5.18	5.20	\$5.20
52	BUILDING MATERIALS AND GARDEN SUPPLIES	189.07	190.17	203.31	203.31	-	5.18	5.21	5.57	5.57	-
521	Lumber and other building materials	206.75	209.21	221.37	221.37	-	5.37	5.42	5.78	5.78	-
525	Hardware stores	152.85	152.72	162.36	165.67	-	4.59	4.60	4.92	4.99	-
53	GENERAL MERCHANDISE STORES	132.44	136.30	141.56	141.78	-	4.68	4.70	5.02	5.10	-
531	Department stores	137.62	141.32	146.92	147.36	-	4.88	4.89	5.21	5.32	-
533	Variety stores	108.75	114.26	114.52	113.27	-	3.75	3.86	4.09	4.06	-
539	Misc. general merchandise stores	106.50	109.33	120.60	120.10	-	3.75	3.77	4.13	4.17	-
54	FOOD STORES	183.21	185.69	205.88	207.53	-	5.91	5.99	6.75	6.76	-
541	Grocery stores	190.01	192.82	215.29	215.60	-	6.09	6.18	6.99	7.00	-
546	Retail bakeries	133.34	136.32	133.28	137.85	-	4.52	4.59	4.76	4.82	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	207.95	210.55	221.03	223.50	-	5.59	5.66	5.91	5.96	-
551, 2	New and used car dealers	247.92	252.50	260.82	265.04	-	6.49	6.61	6.81	6.92	-
553	Auto and home supply stores	201.29	201.29	220.40	215.60	-	4.97	4.97	5.51	5.39	-
554	Gasoline service stations	149.64	151.16	166.97	168.15	-	4.35	4.42	4.73	4.75	-
56	APPAREL AND ACCESSORY STORES	117.46	118.86	128.06	126.13	-	4.21	4.23	4.59	4.57	-
561	Men's and boys' clothing and furnishings	154.72	152.64	165.48	161.35	-	4.85	4.77	5.27	5.29	-
562	Women's ready-to-wear stores	104.81	105.34	113.95	112.83	-	3.97	3.99	4.30	4.29	-
565	Family clothing stores	108.95	114.68	121.58	122.13	-	4.05	4.14	4.47	4.49	-
566	Shoe stores	119.57	121.12	130.18	128.31	-	4.24	4.28	4.60	4.55	-
57	FURNITURE AND HOME FURNISHINGS STORES	186.88	188.30	202.12	198.22	-	5.37	5.38	5.91	5.83	-
571	Furniture and home furnishings	191.25	193.25	202.06	199.97	-	5.48	5.49	5.84	5.83	-
572	Household appliance stores	194.10	197.58	212.98	211.93	-	5.53	5.55	6.12	6.09	-
573	Radio, television, and music stores	170.66	168.98	197.94	185.98	-	4.99	4.97	5.98	5.67	-
58	EATING AND DRINKING PLACES ⁵	93.08	94.06	98.67	100.88	-	3.65	3.66	3.90	3.91	-
59	MISCELLANEOUS RETAIL	149.45	148.80	159.74	158.72	-	4.79	4.80	5.12	5.12	-
591	Drug stores and proprietary stores	129.94	130.24	134.03	134.24	-	4.39	4.43	4.67	4.71	-
594	Miscellaneous shopping goods stores	134.68	135.45	141.60	140.95	-	4.55	4.53	4.72	4.73	-
596	Nonstore retailers	181.35	184.66	203.41	197.56	-	5.58	5.63	6.09	6.06	-
598	Fuel and ice dealers	256.64	244.83	295.68	275.31	-	6.40	6.31	7.04	6.90	-
599	Retail stores, nec	155.69	154.67	164.96	173.57	-	4.62	4.73	5.06	5.12	-
-	FINANCE, INSURANCE, AND REAL ESTATE ⁶	203.28	206.18	221.43	225.68	225.79	5.60	5.68	6.10	6.20	6.22
60	BANKING	174.12	176.06	190.84	195.24	-	4.81	4.85	5.20	5.32	-
602	Commercial and stock savings banks	170.75	173.15	188.05	192.83	-	4.73	4.77	5.11	5.24	-
61	CREDIT AGENCIES OTHER THAN BANKS	182.03	185.61	196.38	201.29	-	4.96	5.03	5.41	5.53	-
612	Savings and loan associations	174.48	178.12	187.46	192.36	-	4.82	4.88	5.15	5.27	-
614	Personal credit institutions	174.36	176.66	191.53	195.99	-	4.79	4.84	5.38	5.49	-
63	INSURANCE CARRIERS	226.50	230.11	248.71	252.00	-	6.04	6.12	6.65	6.72	-
631	Life insurance	231.86	238.14	259.13	258.38	-	6.15	6.30	6.91	6.89	-
632	Medical service and health insurance	220.41	225.23	236.36	240.03	-	5.77	5.85	6.22	6.35	-
633	Fire, marine, and casualty insurance	221.90	224.35	242.80	247.83	-	6.03	6.08	6.58	6.68	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
		WHOLESALE TRADE-DURABLE GOODS—Continued									
505	Metals and minerals, except petroleum	39.9	39.9	40.2	39.6	-	-	-	-	-	-
506	Electrical goods	38.7	38.6	39.2	38.9	-	-	-	-	-	-
507	Hardware, plumbing, and heating equipment	38.6	38.6	38.7	38.4	-	-	-	-	-	-
508	Machinery, equipment, and supplies	39.3	39.3	39.2	39.1	-	-	-	-	-	-
509	Miscellaneous durable goods	38.7	38.5	38.5	37.9	-	-	-	-	-	-
51	WHOLESALE TRADE-NONDURABLE GOODS										
511	Paper and paper products	37.9	38.0	37.8	37.6	-	-	-	-	-	-
512	Drugs, proprietaries, and sundries	36.1	36.2	36.8	36.9	-	-	-	-	-	-
513	Apparel, piece goods, and notions	36.9	37.0	37.3	37.0	-	-	-	-	-	-
514	Groceries and related products	36.7	36.8	36.7	36.8	-	-	-	-	-	-
516	Chemicals and allied products	38.3	38.3	37.9	37.8	-	-	-	-	-	-
517	Petroleum and petroleum products	39.3	39.3	39.2	38.9	-	-	-	-	-	-
518	Beer, wine, and distilled beverages	40.1	40.2	40.3	39.8	-	-	-	-	-	-
519	Miscellaneous nondurable goods	36.8	37.0	36.5	36.7	-	-	-	-	-	-
519	Miscellaneous nondurable goods	37.9	38.1	38.1	38.0	-	-	-	-	-	-
52-59	RETAIL TRADE	29.8	29.9	29.5	29.6	29.8	-	-	-	-	-
52	BUILDING MATERIALS AND GARDEN SUPPLIES										
521	Lumber and other building materials	36.5	36.5	36.5	36.5	-	-	-	-	-	-
525	Hardware stores	38.5	38.6	38.3	38.3	-	-	-	-	-	-
525	Hardware stores	33.3	33.2	33.0	33.2	-	-	-	-	-	-
53	GENERAL MERCHANDISE STORES										
531	Department stores	28.3	29.0	28.2	27.8	-	-	-	-	-	-
533	Variety stores	28.2	28.9	28.2	27.7	-	-	-	-	-	-
539	Misc. general merchandise stores	29.0	29.6	28.0	27.9	-	-	-	-	-	-
539	Misc. general merchandise stores	28.4	29.0	29.2	28.8	-	-	-	-	-	-
54	FOOD STORES										
541	Grocery stores	31.0	31.0	30.5	30.7	-	-	-	-	-	-
546	Retail bakeries	31.2	31.2	30.8	30.8	-	-	-	-	-	-
546	Retail bakeries	29.5	29.7	28.0	28.6	-	-	-	-	-	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS										
551, 2	New and used car dealers	37.2	37.2	37.4	37.5	-	-	-	-	-	-
553	Auto and home supply stores	38.2	38.2	38.3	38.3	-	-	-	-	-	-
554	Gasoline service stations	40.5	40.5	40.0	40.0	-	-	-	-	-	-
554	Gasoline service stations	34.4	34.2	35.3	35.4	-	-	-	-	-	-
56	APPAREL AND ACCESSORY STORES										
561	Men's and boys' clothing and furnishings	27.9	28.1	27.9	27.6	-	-	-	-	-	-
562	Women's ready-to-wear stores	31.9	32.0	31.4	30.5	-	-	-	-	-	-
565	Family clothing stores	26.4	26.4	26.5	26.3	-	-	-	-	-	-
566	Shoe stores	26.9	27.7	27.2	27.2	-	-	-	-	-	-
566	Shoe stores	28.2	28.3	28.3	28.2	-	-	-	-	-	-
57	FURNITURE AND HOME FURNISHINGS STORES										
571	Furniture and home furnishings	34.8	35.0	34.2	34.0	-	-	-	-	-	-
572	Household appliance stores	34.9	35.2	34.6	34.3	-	-	-	-	-	-
573	Radio, television, and music stores	35.1	35.6	34.8	34.8	-	-	-	-	-	-
573	Radio, television, and music stores	34.2	34.0	33.1	32.8	-	-	-	-	-	-
58	EATING AND DRINKING PLACES										
59	MISCELLANEOUS RETAIL										
591	Drug stores and proprietary stores	25.5	25.7	25.3	25.8	-	-	-	-	-	-
594	Miscellaneous shopping goods stores	31.2	31.0	31.2	31.0	-	-	-	-	-	-
596	Nonstore retailers	29.6	29.4	28.7	28.5	-	-	-	-	-	-
598	Fuel and ice dealers	29.6	29.9	30.0	29.8	-	-	-	-	-	-
599	Retail stores, nec	32.5	32.8	33.4	32.6	-	-	-	-	-	-
599	Retail stores, nec	40.1	38.8	42.0	39.9	-	-	-	-	-	-
599	Retail stores, nec	33.7	32.7	32.6	33.9	-	-	-	-	-	-
-	FINANCE, INSURANCE, AND REAL ESTATE										
60	BANKING	36.3	36.3	36.3	36.4	36.3	-	-	-	-	-
602	Commercial and stock savings banks	36.2	36.3	36.7	36.7	-	-	-	-	-	-
602	Commercial and stock savings banks	36.1	36.3	36.8	36.8	-	-	-	-	-	-
61	CREDIT AGENCIES OTHER THAN BANKS										
612	Savings and loan associations	36.7	36.9	36.3	36.4	-	-	-	-	-	-
614	Personal credit institutions	36.2	36.5	36.4	36.5	-	-	-	-	-	-
614	Personal credit institutions	36.4	36.5	35.6	35.7	-	-	-	-	-	-
63	INSURANCE CARRIERS										
631	Life insurance	37.5	37.6	37.4	37.5	-	-	-	-	-	-
632	Medical service and health insurance	37.7	37.8	37.5	37.5	-	-	-	-	-	-
633	Fire, marine, and casualty insurance	38.2	38.5	38.0	37.8	-	-	-	-	-	-
633	Fire, marine, and casualty insurance	36.8	36.9	36.9	37.1	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry—Continued

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
-	SERVICES	\$185.25	\$186.88	\$202.15	\$204.40	\$205.38	\$5.70	\$5.75	\$6.22	\$6.27	\$6.30
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts	127.20	132.13	141.78	144.70	-	4.24	4.29	4.79	4.76	-
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	146.40	147.61	158.32	158.98	-	4.37	4.38	4.74	4.76	-
723	Beauty shops	119.88	124.02	132.16	131.98	-	4.05	4.19	4.48	4.52	-
	BUSINESS SERVICES										
731	Advertising	278.52	287.65	300.05	310.46	-	7.78	8.08	8.50	8.77	-
734	Services to buildings	137.27	136.77	145.24	146.60	-	5.01	5.01	5.32	5.37	-
737	Computer and data processing services	248.76	258.03	275.63	277.12	-	6.91	7.05	7.49	7.51	-
	AUTO REPAIR, SERVICES, AND GARAGES										
75	Automotive repair shops	223.34	220.70	237.63	234.87	-	6.02	6.03	6.27	6.28	-
753	Automotive repair shops	248.57	245.38	263.06	260.74	-	6.39	6.39	6.78	6.79	-
76	MISCELLANEOUS REPAIR SERVICES	263.59	269.17	290.58	284.54	-	6.69	6.78	7.47	7.41	-
	MOTION PICTURES										
78	Motion picture production and services	244.21	251.14	242.70	237.36	-	8.66	8.66	8.89	8.60	-
781	Motion picture production and services	466.10	489.63	512.42	492.33	-	11.80	11.77	12.94	12.37	-
79	AMUSEMENT AND RECREATION SERVICES ..	161.87	158.69	176.72	177.01	-	5.45	5.51	5.95	5.94	-
	HEALTH SERVICES										
80	Offices of physicians	180.40	180.83	199.70	201.06	-	5.50	5.53	6.07	6.13	-
801	Offices of physicians	185.90	184.70	206.64	210.58	-	5.72	5.79	6.30	6.42	-
802	Offices of dentists	156.80	157.18	175.42	177.41	-	5.37	5.42	6.07	6.16	-
805	Nursing and personal care facilities	125.05	125.46	138.12	138.57	-	4.10	4.10	4.47	4.47	-
806	Hospitals	199.73	198.99	220.66	222.02	-	5.84	5.87	6.49	6.53	-
81	LEGAL SERVICES	247.81	250.13	267.72	277.61	-	7.06	7.25	7.76	8.07	-
	MISCELLANEOUS SERVICES										
89	Engineering and architectural services	308.94	315.85	344.70	351.12	-	8.13	8.29	9.00	9.12	-
891	Engineering and architectural services	335.89	345.98	378.69	382.36	-	8.77	8.94	9.76	9.88	-
893	Accounting, auditing, and bookkeeping	265.34	271.16	288.34	304.55	-	6.91	7.08	7.47	7.71	-

¹ For coverage of series, see footnote 1, table B-2.

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

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

⁴ 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.

⁵ Money payments only; tips, not included.

⁶ Data for nonoffice sales agents excluded from all series in this division.

- Data not available.

p = preliminary.

NOTE: Data from April 1979 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" in the Explanatory notes of this publication.

**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				
		Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
	SERVICES	32.5	32.5	32.5	32.6	32.6	-	-	-	-	-
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts	30.0	30.8	29.6	30.4	-	-	-	-	-	-
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	33.5	33.7	33.4	33.4	-	-	-	-	-	-
723	Beauty shops	29.6	29.6	29.5	29.2	-	-	-	-	-	-
	BUSINESS SERVICES	32.5	32.8	32.6	32.7	-	-	-	-	-	-
731	Advertising	35.8	35.6	35.3	35.4	-	-	-	-	-	-
734	Services to buildings	27.4	27.3	27.3	27.3	-	-	-	-	-	-
737	Computer and data processing services	36.0	36.6	36.8	36.9	-	-	-	-	-	-
	AUTO REPAIR, SERVICES, AND GARAGES	37.1	36.6	37.9	37.4	-	-	-	-	-	-
753	Automotive repair shops	38.9	38.4	38.8	38.4	-	-	-	-	-	-
76	MISCELLANEOUS REPAIR SERVICES	39.4	39.7	38.9	38.4	-	-	-	-	-	-
	MOTION PICTURES	28.2	29.0	27.3	27.6	-	-	-	-	-	-
781	Motion picture production and services	39.5	41.6	39.6	39.8	-	-	-	-	-	-
79	AMUSEMENT AND RECREATION SERVICES	29.7	28.8	29.7	29.8	-	-	-	-	-	-
	HEALTH SERVICES	32.8	32.7	32.9	32.8	-	-	-	-	-	-
801	Offices of physicians	32.5	31.9	32.8	32.8	-	-	-	-	-	-
802	Offices of dentists	29.2	29.0	28.9	28.8	-	-	-	-	-	-
805	Nursing and personal care facilities	30.5	30.6	30.9	31.0	-	-	-	-	-	-
806	Hospitals	34.2	33.9	34.0	34.0	-	-	-	-	-	-
81	LEGAL SERVICES	35.1	34.5	34.5	34.4	-	-	-	-	-	-
	MISCELLANEOUS SERVICES	38.0	38.1	38.3	38.5	-	-	-	-	-	-
891	Engineering and architectural services	38.3	38.7	38.8	38.7	-	-	-	-	-	-
893	Accounting, auditing, and bookkeeping	38.4	38.3	38.6	39.5	-	-	-	-	-	-

ESTABLISHMENT DATA HOURS AND EARNINGS

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

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

Item	1979							1980					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Executive Branch													
Total employment	2,770.2	2,783.0	2,789.6	2,697.8	2,702.7	2,707.0	2,717.2	2,709.1	2,749.5	2,815.1	3,049.2	2,908.2	2,939.1
Average weekly hours	39.4	39.8	39.5	39.4	39.3	39.7	39.5	39.3	39.6	38.9	37.7	36.6	38.3
Average overtime hours	1.0	1.2	1.2	1.4	1.4	1.3	1.4	1.1	1.2	1.2	1.1	1.0	1.1
Indexes (1967=100):													
Average weekly earnings	238.6	241.3	242.5	244.6	254.5	259.5	261.5	259.6	261.1	254.8	244.4	236.8	247.5
Average hourly earnings	238.6	238.9	241.9	244.6	255.1	257.6	260.8	260.3	259.7	258.1	255.4	254.9	254.6
Department of Defense													
Total employment	906.6	908.5	908.5	887.2	887.8	888.0	889.0	885.1	885.4	886.6	888.5	895.1	909.8
Average weekly hours	39.9	40.1	40.0	40.0	38.9	40.0	40.0	39.8	39.9	39.8	39.8	39.8	39.6
Average overtime hours	.8	.8	.9	1.2	.9	1.1	1.0	.8	.9	1.0	.8	.9	1.0
Indexes (1967=100):													
Average weekly earnings	233.6	233.4	234.5	238.0	240.4	252.3	254.0	249.7	251.7	251.9	251.9	249.2	251.7
Average hourly earnings	236.0	234.6	236.2	239.8	249.0	254.2	255.9	252.9	254.2	255.0	255.0	252.3	256.1
Postal Service													
Total employment	663.2	665.4	665.4	659.0	653.7	673.0	673.5	655.9	656.7	655.7	658.2	659.3	661.7
Average weekly hours	39.6	40.6	39.5	40.0	41.6	41.1	40.7	40.6	41.4	40.6	40.4	40.0	39.8
Average overtime hours	1.3	1.8	1.5	1.9	2.3	2.1	2.7	2.1	2.2	2.1	2.0	1.7	1.6
Indexes (1967=100):													
Average weekly earnings	274.0	281.2	283.0	286.2	300.6	296.1	305.7	304.0	311.6	305.6	303.8	299.5	310.0
Average hourly earnings	267.1	267.4	273.8	276.2	279.0	278.0	289.9	289.0	290.5	290.5	290.2	289.0	300.6
Other Agencies													
Total employment	1,200.4	1,209.1	1,215.7	1,151.6	1,161.2	1,146.0	1,154.7	1,168.1	1,207.4	1,272.8	1,502.5	1,353.8	1,367.6
Average weekly hours	38.8	39.2	38.9	38.7	38.7	38.5	38.3	38.2	38.3	37.3	34.9	32.9	36.6
Average overtime hours	1.0	1.2	1.2	1.4	1.2	1.0	.9	.9	.9	.8	.8	.8	.9
Indexes (1967=100):													
Average weekly earnings	223.3	226.6	227.1	228.4	243.2	244.4	243.6	244.2	241.9	231.3	211.1	200.2	215.0
Average hourly earnings	223.3	224.3	226.5	229.0	243.8	246.3	246.8	248.0	245.0	240.6	234.7	236.1	228.0

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

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

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

Major industry group	Average hourly earnings excluding overtime ¹				
	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
MANUFACTURING	\$6.75	\$6.81	\$7.46	\$7.47	\$7.52
DURABLE GOODS	7.19	7.26	7.96	7.99	8.04
Lumber and wood products	6.11	6.12	6.59	6.61	-
Furniture and fixtures	5.20	5.24	5.57	5.60	-
Stone, clay, and glass products	6.83	6.94	7.54	7.57	-
Primary metal industries	9.07	9.09	9.96	10.14	-
Fabricated metal products	6.88	6.98	7.61	7.63	-
Machinery, except electrical	7.36	7.43	8.25	8.29	-
Electric and electronic equipment	6.51	6.57	7.21	7.25	-
Transportation equipment	8.55	8.70	9.60	9.56	-
Instruments and related products	6.39	6.43	6.98	7.01	-
Miscellaneous manufacturing industries	5.17	5.20	5.67	5.67	-
NONDURABLE GOODS	6.06	6.08	6.69	6.71	6.74
Food and kindred products	6.36	6.40	6.87	6.92	-
Tobacco manufactures	7.28	7.46	8.14	8.22	-
Textile mill products	4.69	4.71	5.13	5.14	-
Apparel and other textile products	4.39	4.42	4.83	4.80	-
Paper and allied products	7.17	7.20	7.84	7.86	-
Printing and publishing	7.05	7.08	7.68	7.73	-
Chemicals and allied products	7.71	7.74	8.39	8.43	-
Petroleum and coal products	8.89	8.84	10.63	10.87	-
Rubber and misc. plastics products	6.04	6.06	6.69	6.70	-
Leather and leather products	4.39	4.41	4.74	4.78	-

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

P=preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

C-5. Gross and spendable average weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division, in current and 1967 dollars

Industry	Gross average weekly earnings			Spendable average weekly earnings ²					
				Worker with no dependents			Married worker with 3 dependents		
	Feb. 1980	Jan. 1981	Feb. 1981P	Feb. 1980	Jan. 1981	Feb. 1981P	Feb. 1980	Jan. 1981	Feb. 1981P
TOTAL PRIVATE:									
Current dollars	\$226.75	\$246.75	\$247.10	\$182.98	\$195.68	\$195.92	\$200.07	\$213.96	\$214.22
1967 dollars	95.88	94.65	93.78	77.37	75.06	74.35	84.60	82.07	81.30
MINING:									
Current dollars	384.48	425.43	425.95	287.17	309.47	309.78	317.38	343.79	344.15
1967 dollars	162.57	163.19	161.65	121.42	118.71	117.56	134.20	131.87	130.61
CONSTRUCTION:									
Current dollars	343.08	379.65	364.00	261.34	282.30	272.80	287.21	311.89	300.56
1967 dollars	145.07	145.63	138.14	110.50	108.29	103.53	121.44	119.64	114.06
MANUFACTURING:									
Current dollars	278.60	308.43	305.73	218.99	237.60	235.81	239.40	260.36	258.40
1967 dollars	117.80	118.31	116.03	92.60	91.14	89.49	101.23	99.87	98.06
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	338.05	368.39	372.88	258.12	275.59	278.28	283.55	303.74	306.99
1967 dollars	142.94	141.31	141.51	109.14	105.71	105.61	119.89	116.51	116.50
WHOLESALE AND RETAIL TRADE:									
Current dollars	170.98	183.86	184.81	142.10	150.77	151.46	159.15	166.85	167.47
1967 dollars	72.30	70.53	70.14	60.08	57.83	57.48	67.29	64.00	63.56
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	203.28	221.43	225.68	165.88	177.95	181.03	181.87	194.86	198.08
1967 dollars	85.95	84.94	85.65	70.14	68.26	68.70	76.90	74.74	75.17
SERVICES:									
Current dollars	185.25	202.15	204.40	152.74	164.01	165.63	168.72	179.94	181.68
1967 dollars	78.33	77.54	77.57	64.58	62.91	62.86	71.34	69.02	68.95
CONSUMER PRICE INDEX FOR URBAN WAGE EARNERS AND CLERICAL WORKERS (CPI-W, All items, 1967=100)	236.5	260.7	263.5						

¹ For coverage of series, see footnote 1, table B-2.

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

this publication). A technical note on the calculation and uses of the spendable earnings series is available on request.

p=preliminary (applicable to earnings data only).

ESTABLISHMENT DATA HOURS AND EARNINGS

C-6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers¹ on private nonegricultural payrolls by industry division and major manufacturing group

[1967=100]

Industry division and group	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
	Hours				
TOTAL PRIVATE	122.4	123.3	122.4	121.8	123.7
GOODS-PRODUCING	103.6	104.3	100.6	98.8	101.8
MINING	158.9	160.6	172.8	171.6	170.6
CONSTRUCTION	110.5	112.6	109.8	102.6	114.2
MANUFACTURING	100.5	100.9	96.5	95.6	97.3
DURABLE GOODS	103.8	104.4	97.8	96.4	98.7
Lumber and wood products	103.3	102.3	95.7	94.5	96.7
Furniture and fixtures	106.9	107.1	101.3	102.3	104.1
Stone, clay, and glass products	101.4	103.7	94.8	92.4	96.5
Primary metal industries	91.5	91.4	85.4	84.4	86.0
Fabricated metal products	102.9	103.8	95.4	94.5	96.4
Machinery, except electrical	118.2	118.1	112.4	111.9	113.8
Electric and electronic equipment	108.9	108.8	104.7	103.4	104.7
Transportation equipment	91.4	93.2	85.4	81.3	85.4
Instruments and related products	128.5	129.0	125.7	124.9	125.9
Miscellaneous manufacturing industries	93.9	95.5	85.6	86.2	88.7
NONDURABLE GOODS	95.7	95.9	94.6	94.4	95.2
Food and kindred products	89.6	89.3	90.5	88.4	87.7
Tobacco manufactures	67.7	65.7	75.6	73.3	68.7
Textile mill products	90.6	90.9	84.9	84.9	85.5
Apparel and other textile products	88.9	89.8	85.1	86.8	89.0
Paper and allied products	100.1	100.2	98.3	97.5	98.0
Printing and publishing	104.6	105.1	104.8	105.3	106.7
Chemicals and allied products	106.8	107.4	104.9	105.4	106.0
Petroleum and coal products	70.6	68.1	114.3	113.6	116.9
Rubber and misc. plastics products	141.0	141.2	136.5	134.6	137.2
Leather and leather products	65.1	64.6	63.1	64.1	64.8
SERVICE-PRODUCING	135.5	136.5	137.6	137.9	139.0
TRANSPORTATION AND PUBLIC UTILITIES	112.0	112.5	110.4	110.6	111.1
WHOLESALE AND RETAIL TRADE	127.1	128.0	128.6	127.6	128.9
WHOLESALE TRADE	132.7	133.3	132.8	132.0	133.3
RETAIL TRADE	125.0	125.9	126.9	125.9	127.2
FINANCE, INSURANCE, AND REAL ESTATE	147.6	148.7	152.3	152.7	152.9
SERVICES	154.3	155.8	158.3	160.3	161.6

¹ For coverage of series, see footnote 1, table B-2.

p=preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

C-6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division and major manufacturing group—Continued

[1967=100]

Industry division and group	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981P	Mar. 1981P
	Payrolls				
TOTAL PRIVATE	295.0	299.5	321.2	320.8	327.8
GOODS-PRODUCING	256.8	260.9	274.8	269.4	280.2
MINING	443.9	450.9	529.7	531.0	528.8
CONSTRUCTION	258.2	264.9	278.4	259.4	288.8
MANUFACTURING	249.1	252.4	264.0	261.8	268.3
DURABLE GOODS	258.3	262.6	269.1	265.8	274.1
Lumber and wood products	276.6	274.5	275.9	273.4	279.2
Furniture and fixtures	244.7	247.3	248.3	252.0	257.8
Stone, clay, and glass products	256.6	267.3	264.7	258.9	272.1
Primary metal industries	258.5	258.6	264.8	266.3	272.9
Fabricated metal products	246.8	252.4	252.1	250.6	258.1
Machinery, except electrical	285.2	287.6	302.9	302.6	309.2
Electric and electronic equipment	263.5	265.9	280.1	278.0	282.6
Transportation equipment	235.9	245.2	248.0	234.9	249.7
Instruments and related products	297.0	300.1	317.3	316.1	320.5
Miscellaneous manufacturing industries	211.7	217.1	211.6	213.0	219.5
NONDURABLE GOODS	233.5	235.2	255.3	255.1	258.5
Food and kindred products	225.5	226.2	247.2	242.4	241.7
Tobacco manufactures	219.7	219.2	280.5	274.3	256.9
Textile mill products	215.8	217.7	220.3	220.3	222.0
Apparel and other textile products	195.1	198.4	205.0	208.3	216.5
Paper and allied products	261.9	263.4	283.2	280.9	283.5
Printing and publishing	232.6	235.3	253.3	255.8	260.9
Chemicals and allied products	275.5	278.7	295.3	297.9	300.4
Petroleum and coal products	184.9	176.9	353.5	360.0	370.4
Rubber and misc. plastics products	321.0	322.6	346.1	340.6	349.3
Leather and leather products	140.9	140.9	147.8	151.2	153.5
SERVICE-PRODUCING	327.9	332.9	361.2	365.0	368.9
TRANSPORTATION AND PUBLIC UTILITIES	297.2	300.0	319.0	322.7	323.4
WHOLESALE AND RETAIL TRADE	302.6	306.8	331.2	330.1	335.0
WHOLESALE TRADE	312.1	316.6	338.2	338.4	344.7
RETAIL TRADE	297.3	301.3	327.4	325.5	329.6
FINANCE, INSURANCE, AND REAL ESTATE	320.2	326.9	359.5	366.5	368.0
SERVICES	384.5	391.5	429.9	439.1	444.6

ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

**C-7. Average weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry division and major manufacturing group, seasonally adjusted**

Industry	1980										1981		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. P	Mar. P
TOTAL PRIVATE	35.4	35.3	35.1	35.0	34.9	35.1	35.2	35.3	35.4	35.4	35.5	35.3	35.4
MINING ²	43.4	42.8	42.7	43.2	41.9	43.1	43.5	43.5	43.5	44.1	43.5	43.2	42.5
CONSTRUCTION	36.6	36.7	36.8	37.1	36.8	36.5	37.4	37.0	37.2	37.1	38.5	36.3	37.6
MANUFACTURING	39.8	39.8	39.3	39.1	39.0	39.4	39.6	39.7	39.9	40.1	40.4	39.9	40.0
<i>Overtime hours</i>	3.1	3.0	2.6	2.4	2.5	2.7	2.7	2.8	2.9	3.1	3.1	2.9	2.9
DURABLE GOODS	40.3	40.3	39.7	39.5	39.4	39.9	40.1	40.1	40.5	40.6	40.9	40.2	40.6
<i>Overtime hours</i>	3.2	3.0	2.5	2.4	2.4	2.6	2.7	2.8	3.0	3.2	3.1	2.9	3.0
Lumber and wood products	38.7	37.3	37.5	37.6	38.1	38.9	38.8	38.7	39.3	39.4	40.1	38.9	39.5
Furniture and fixtures	38.5	38.5	37.6	37.0	36.6	37.4	38.0	38.0	38.0	38.6	38.9	38.9	39.0
Stone, clay, and glass products	40.9	40.6	40.3	40.4	40.2	40.3	40.9	40.9	41.1	41.3	41.6	40.7	41.0
Primary metal industries	40.7	40.6	39.2	38.8	38.6	39.2	39.7	40.1	40.9	41.4	41.2	40.8	41.3
Fabricated metal products	40.7	40.8	39.9	39.7	39.6	40.1	40.4	40.4	40.6	40.6	40.7	40.5	40.6
Machinery, except electrical	41.3	41.5	41.0	40.7	40.6	40.8	40.9	40.7	41.0	41.0	41.3	40.8	41.1
Electric and electronic equipment	40.0	39.9	39.5	39.2	39.0	39.4	39.5	39.9	40.0	40.2	40.4	39.7	39.9
Transportation equipment	40.4	40.5	39.7	39.5	39.6	40.9	40.6	40.8	41.4	41.3	41.9	40.4	41.2
Instruments and related products	40.4	40.7	40.3	40.4	40.1	40.1	40.1	40.2	40.5	40.5	41.0	40.6	40.7
Miscellaneous manufacturing ind	38.6	38.5	38.3	38.2	38.3	38.6	38.9	38.7	38.6	39.0	39.0	38.8	38.7
NONDURABLE GOODS	39.0	39.1	38.9	38.6	38.5	38.7	38.8	39.0	39.0	39.3	39.7	39.3	39.2
<i>Overtime hours</i>	3.0	3.0	2.6	2.5	2.6	2.8	2.7	2.8	2.9	3.0	3.1	3.0	2.9
Food and kindred products	39.3	39.6	39.9	39.6	39.7	39.8	39.7	39.6	39.8	39.8	40.3	40.0	39.6
Tobacco manufactures	37.7	38.2	38.2	37.3	38.5	37.3	37.5	39.5	38.9	37.2	39.7	39.7	37.6
Textile mill products	40.8	40.3	39.7	39.1	38.8	39.2	39.7	39.9	40.0	40.3	40.5	40.2	39.9
Apparel and other textile products	35.3	35.8	35.3	35.2	35.1	35.1	35.1	35.3	35.0	35.6	36.0	35.7	35.8
Paper and allied products	42.6	42.5	41.7	41.4	41.4	41.8	42.2	42.2	42.6	43.0	43.1	42.9	42.8
Printing and publishing	37.2	37.2	37.1	36.8	36.9	37.1	36.9	37.1	36.8	37.4	37.7	37.4	37.2
Chemicals and allied products	41.8	41.5	41.3	41.1	40.8	41.0	41.3	41.4	41.7	41.7	41.8	41.8	41.6
Petroleum and coal products	39.7	41.1	42.5	42.3	42.2	42.2	42.7	43.1	43.2	43.2	43.4	43.6	43.7
Rubber and misc. plastics products	39.9	40.1	39.3	39.2	39.0	40.2	40.1	40.4	40.8	40.9	41.3	40.2	40.5
Leather and leather products	36.9	37.3	36.7	36.7	36.1	36.5	36.2	36.5	36.2	36.6	37.1	37.0	37.3
TRANSPORTATION AND PUBLIC UTILITIES	39.5	39.5	39.3	39.6	39.9	39.7	39.7	39.8	39.7	40.0	39.4	39.5	39.5
WHOLESALE AND RETAIL TRADE	32.3	32.0	32.1	31.9	31.8	32.0	32.1	32.2	32.2	32.1	32.3	32.2	32.2
WHOLESALE TRADE	38.5	38.5	38.6	38.0	38.0	38.2	38.5	38.5	38.6	38.7	38.8	38.7	38.6
RETAIL TRADE	30.3	30.0	30.1	30.0	29.8	30.1	30.1	30.2	30.2	30.0	30.2	30.2	30.2
FINANCE, INSURANCE, AND REAL ESTATE ²	36.3	36.2	36.1	36.4	36.2	36.3	36.1	36.3	36.3	36.3	36.3	36.4	36.3
SERVICES	32.7	32.5	32.5	32.6	32.6	32.6	32.5	32.6	32.7	32.6	32.7	32.8	32.8

¹ For coverage of series, see footnote 1, table B-2.
² See footnote 1, table B-5.

p=preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**

**C-8. Indexes of aggregate weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry division and major manufacturing group, seasonally adjusted**

[1967=100]

Industry division and group	1980										1981		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. P	Mar. P
TOTAL PRIVATE	126.0	124.8	123.4	122.5	121.9	123.0	123.7	124.5	125.2	125.5	126.8	126.2	126.5
GOODS-PRODUCING	107.3	105.2	102.2	100.3	98.5	100.0	101.5	102.3	103.7	104.4	106.4	103.9	104.8
MINING	162.9	161.7	163.2	166.4	158.7	162.4	166.7	168.0	170.4	175.6	175.4	175.1	172.9
CONSTRUCTION	126.9	124.7	124.3	123.7	120.6	120.5	124.7	124.5	126.0	126.8	135.3	124.6	128.6
MANUFACTURING	101.8	99.8	96.1	93.8	92.5	94.2	95.2	96.1	97.4	98.0	98.9	97.8	98.2
DURABLE GOODS	105.0	101.6	96.6	94.0	92.4	94.1	95.5	96.6	98.5	98.9	99.8	98.2	99.2
Lumber and wood products	106.5	95.3	90.4	89.6	91.5	95.3	96.8	97.0	99.4	100.7	103.0	99.6	100.6
Furniture and fixtures	106.9	106.1	99.0	94.6	91.0	94.8	98.4	99.0	99.5	101.9	103.2	104.0	104.0
Stone, clay, and glass products	108.0	103.5	99.4	96.7	95.1	96.5	99.3	99.5	101.0	101.3	102.4	99.8	100.7
Primary metal industries	91.8	89.9	82.4	77.4	73.4	75.4	77.7	80.5	84.3	86.6	86.3	85.5	86.4
Fabricated metal products	104.6	102.1	95.3	92.5	89.9	92.3	94.5	95.1	96.5	96.7	96.8	96.4	97.1
Machinery, except electrical	116.9	116.1	114.1	110.8	108.8	108.6	110.1	110.2	111.0	110.8	112.1	111.2	112.6
Electric and electronic equipment	109.4	108.1	103.8	100.1	98.5	99.8	100.5	102.1	103.3	104.8	105.9	104.4	105.1
Transportation equipment	93.0	85.0	79.1	79.6	79.8	82.4	82.5	84.7	88.2	85.7	87.1	83.4	85.3
Instruments and related products	128.7	128.4	126.0	125.1	123.8	124.1	123.8	124.2	125.7	126.0	127.2	125.1	125.7
Miscellaneous manufacturing ind	96.9	95.8	91.6	88.5	89.0	88.5	88.9	87.6	88.2	90.3	90.9	89.9	89.9
NONDURABLE GOODS	97.3	97.2	95.4	93.5	92.5	94.3	94.7	95.4	95.8	96.7	97.6	97.1	96.8
Food and kindred products	94.6	94.4	95.1	93.2	93.9	94.8	93.2	93.7	94.6	94.4	95.4	95.0	93.4
Tobacco manufactures	70.2	72.4	73.8	72.1	73.0	68.1	71.1	74.9	75.1	70.5	75.3	76.7	72.6
Textile mill products	91.0	89.4	86.4	82.2	80.5	83.3	84.5	85.3	85.6	86.4	86.7	86.1	85.4
Apparel and other textile products	89.2	89.3	87.2	86.7	86.1	87.2	87.3	87.5	86.7	88.1	89.0	88.5	88.6
Paper and allied products	101.6	100.4	96.7	94.7	93.6	95.0	96.5	97.3	98.6	99.9	100.3	100.0	100.0
Printing and publishing	105.1	104.8	103.6	103.1	102.9	103.8	103.8	104.1	103.8	106.2	106.9	106.7	106.7
Chemicals and allied products	108.0	107.4	106.0	104.4	102.1	102.4	103.9	104.1	105.5	105.7	106.5	106.8	106.3
Petroleum and coal products	71.4	91.6	113.8	113.3	113.9	114.8	116.1	117.2	117.5	118.4	120.7	122.1	122.4
Rubber and misc. plastics products	141.4	139.9	128.5	123.6	119.2	127.5	130.1	132.8	135.1	137.0	138.8	135.6	137.3
Leather and leather products	65.6	66.0	63.6	63.3	59.5	63.9	63.7	64.2	63.7	64.1	65.3	65.4	66.0
SERVICE-PRODUCING	139.0	138.3	138.1	137.9	138.2	139.0	139.2	139.9	140.2	140.2	140.9	141.6	141.6
TRANSPORTATION AND PUBLIC UTILITIES	113.9	113.5	112.6	112.6	112.8	112.6	112.7	113.5	112.8	113.8	111.9	112.3	112.3
WHOLESALE AND RETAIL TRADE	131.8	130.4	130.3	129.1	128.9	130.4	130.9	131.4	131.6	130.9	132.3	133.0	133.0
WHOLESALE TRADE	134.5	134.1	133.7	130.8	131.0	131.9	133.3	133.6	134.0	134.5	135.0	134.9	134.7
RETAIL TRADE	130.7	128.9	129.0	128.5	128.0	129.8	130.0	130.6	130.6	129.4	131.3	132.3	132.4
FINANCE, INSURANCE, AND REAL ESTATE	149.6	149.4	149.7	151.2	151.1	151.8	151.1	152.4	152.6	153.2	153.7	154.2	153.8
SERVICES	157.6	157.6	157.4	157.8	159.1	159.4	159.3	160.0	161.2	161.4	162.4	163.4	163.5

¹ For coverage of series, see footnote 1, table B-2.

p:preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**

C-9. Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1980										1981		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. P	Mar. p
Hourly Earnings Index ² (1967=100)													
TOTAL PRIVATE (In current dollars) . . .	245.2	246.2	248.3	250.9	252.1	254.0	255.4	257.9	260.9	261.9	264.4	266.3	268.5
MINING	280.9	283.7	284.2	286.3	285.3	288.9	290.4	294.4	298.7	302.3	306.6	308.9	311.0
CONSTRUCTION	232.2	233.0	234.2	235.3	236.7	239.0	239.3	241.6	243.0	245.3	247.8	247.8	249.2
MANUFACTURING	250.2	252.4	255.0	258.3	260.6	262.4	264.5	266.6	268.9	270.4	272.6	274.4	276.5
TRANSPORTATION AND PUBLIC UTILITIES	265.9	267.2	268.7	270.6	272.8	273.2	274.0	280.2	283.4	284.1	285.9	288.8	290.7
WHOLESALE AND RETAIL TRADE	237.8	238.0	239.8	241.8	243.5	245.3	246.5	247.7	250.9	250.9	254.6	256.4	258.7
FINANCE, INSURANCE, AND REAL ESTATE	225.7	224.9	226.3	230.2	229.0	232.7	233.1	234.8	239.3	238.0	240.2	243.8	246.8
SERVICES	242.7	243.0	245.7	248.4	247.6	249.8	251.7	254.2	258.5	259.4	261.3	263.6	265.8
TOTAL PRIVATE (In 1967 dollars) ³	102.1	101.5	101.5	101.6	102.1	102.0	101.5	101.4	101.5	100.8	101.0	100.8	-
Average hourly earnings													
TOTAL PRIVATE	\$6.51	\$6.54	\$6.57	\$6.62	\$6.67	\$6.71	\$6.77	\$6.83	\$6.91	\$6.95	\$7.02	\$7.05	\$7.10
MINING ⁴	8.95	9.10	9.08	9.16	9.08	9.18	9.32	9.37	9.51	9.58	9.78	9.86	9.88
CONSTRUCTION	9.75	9.79	9.83	9.89	9.94	10.04	10.05	10.14	10.21	10.32	10.40	10.43	10.47
MANUFACTURING	7.06	7.11	7.15	7.22	7.30	7.36	7.41	7.49	7.58	7.63	7.69	7.73	7.79
TRANSPORTATION AND PUBLIC UTILITIES ⁴	8.62	8.71	8.72	8.75	8.90	8.95	9.04	9.20	9.28	9.31	9.35	9.44	9.41
WHOLESALE AND RETAIL TRADE	5.37	5.38	5.42	5.45	5.50	5.53	5.56	5.59	5.66	5.67	5.73	5.78	5.82
FINANCE, INSURANCE, AND REAL ESTATE ⁴	5.68	5.68	5.70	5.77	5.77	5.82	5.87	5.91	6.01	6.00	6.10	6.20	6.22
SERVICES	5.72	5.72	5.78	5.86	5.87	5.91	5.93	5.99	6.08	6.10	6.16	6.20	6.27
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars	230.45	230.86	230.61	231.70	232.78	235.52	238.30	241.10	244.61	246.03	249.21	248.87	251.34
1967 dollars ³	95.90	95.20	94.28	93.88	94.24	94.62	94.68	94.81	95.10	94.70	95.19	94.20	-
Real spendable earnings (married worker with 3 dependents, 1967 dollars) ^{3, 5}	84.42	83.79	82.99	82.59	82.85	83.05	82.97	82.95	83.06	82.64	82.43	81.59	-

¹ For coverage of series, see footnote 1, table B-2.

² 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.

³ The CPI-W is used to deflate these series to 1967 dollars.

⁴ See footnote 1, table B-5.

⁵ See footnote 2, table C-5.

p=preliminary.

C-10. Hours of wage and salary workers¹ in nonagricultural establishments by industry division

Industry division	Millions of hours (Annual rate) ²			Percent change		
	JANUARY 1981	FEBRUARY p1981	MARCH p1981	Mar. 1980 to Mar. 1981	Jan. 1981 to Feb. 1981	Feb. 1981 to Mar. 1981
TOTAL	173,028	171,735	172,179	0.5	-0.7	0.3
PRIVATE SECTOR	141,176	140,281	140,432	0.7	-0.6	0.1
MINING	2,574	2,550	2,481	6.2	-0.9	-2.7
CONSTRUCTION	9,264	8,542	8,789	2.4	-7.8	2.9
MANUFACTURING	42,699	42,307	42,356	-2.4	-0.9	0.1
DURABLE GOODS	25,930	25,619	25,734	-3.7	-1.2	0.4
NONDURABLE GOODS	16,769	16,688	16,622	-0.4	-0.5	-0.4
TRANSPORTATION AND PUBLIC UTILITIES	10,645	10,611	10,644	-0.8	-0.3	0.3
WHOLESALE AND RETAIL TRADE	35,090	35,119	35,059	1.1	0.1	-0.2
FINANCE, INSURANCE, AND REAL ESTATE	9,956	10,006	10,002	3.3	0.5	0.0
SERVICES	30,947	31,145	31,103	3.7	0.6	-0.1
GOVERNMENT	31,852	31,454	31,747	-0.3	-1.2	0.9

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

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

**PRODUCTIVITY
SEASONALLY ADJUSTED**

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

(1977 = 100)

Item	Annual average		Quarterly indexes										
	1979	1980	1978			1979				1980			
			II	III	IV	I	II	III	IV	I	II	III	IV
PRIVATE BUSINESS SECTOR:													
Output per hour of all persons	99.4	99.0	99.9	100.0	99.9	99.7	99.6	99.2	99.0	99.3	98.8	99.2	98.5
Output	107.7	106.7	104.6	105.3	106.7	107.7	107.1	107.7	108.2	108.7	105.4	105.7	107.0
Hours	108.4	107.8	104.8	105.4	106.8	108.1	107.5	108.6	109.3	109.5	106.7	106.5	108.7
Compensation per hour	119.2	131.1	107.1	109.4	111.9	115.0	118.0	120.5	123.0	126.0	129.7	132.8	135.5
Real compensation per hour	99.5	96.4	100.5	100.5	100.5	100.5	100.1	99.0	97.9	96.5	96.2	96.8	95.9
Unit labor costs	119.9	132.4	107.3	109.4	112.1	115.4	118.5	121.4	124.2	127.0	131.3	133.9	137.6
Unit nonlabor payments	110.9	118.1	104.8	106.7	109.1	109.6	110.4	111.5	112.3	115.3	116.0	119.8	121.7
Implicit price deflator	116.9	127.6	106.4	108.5	111.1	113.4	115.8	118.1	120.2	123.0	126.1	129.1	132.2
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	99.0	98.4	99.9	99.9	99.8	99.5	99.1	98.7	98.6	98.6	97.9	98.8	98.3
Output	107.7	106.7	104.9	105.5	106.8	107.9	107.1	107.8	108.2	108.5	105.1	105.8	107.2
Hours	108.8	108.4	105.0	105.6	107.1	108.4	108.1	109.2	109.7	110.0	107.3	107.1	109.0
Compensation per hour	118.8	130.4	107.2	109.4	111.9	114.9	117.6	119.9	122.7	125.6	129.0	131.9	135.0
Real compensation per hour	99.2	95.9	100.6	100.5	100.5	100.4	99.8	98.6	97.7	96.2	95.7	96.1	95.6
Unit labor costs	120.0	132.4	107.3	109.5	112.2	115.4	118.7	121.5	124.4	127.4	131.8	133.5	137.3
Unit nonlabor payments	108.5	117.4	103.2	105.1	107.0	107.1	107.7	109.3	110.2	114.0	115.2	119.2	121.0
Implicit price deflator	116.2	127.4	105.9	108.0	110.5	112.6	115.1	117.4	119.7	122.9	126.3	128.8	131.9
MANUFACTURING:													
Output per hour of all persons	101.9	101.4	100.6	101.7	102.0	101.4	102.3	101.9	101.9	101.7	100.5	100.2	103.0
Output	108.6	103.7	104.7	106.6	108.3	109.3	108.5	108.5	108.3	108.0	101.7	99.7	105.3
Hours	106.6	102.2	104.0	104.8	106.2	107.7	106.1	106.5	106.3	106.2	101.2	99.5	102.1
Compensation per hour	118.7	131.2	106.9	109.1	111.5	114.5	118.5	119.7	122.0	125.0	129.6	133.5	136.8
Real compensation per hour	99.1	96.5	100.3	100.2	100.1	100.1	100.5	98.4	97.2	95.7	96.1	97.3	96.9
Unit labor costs	116.5	129.3	106.2	107.3	109.3	112.9	115.9	117.5	119.8	122.9	128.9	133.2	132.8
DURABLE GOODS													
Output per hour of all persons	100.7	99.2	101.1	101.8	101.9	100.7	101.5	100.0	100.1	99.5	98.7	97.7	100.9
Output	110.2	102.8	106.3	108.7	110.9	111.7	110.3	109.5	109.1	108.3	100.7	97.8	104.4
Hours	109.4	103.6	105.2	106.8	108.9	110.8	108.7	109.5	108.9	108.8	102.1	100.1	103.4
Compensation per hour	118.3	131.2	106.4	108.5	111.1	114.1	118.4	119.2	121.3	124.8	129.6	133.7	137.3
Real compensation per hour	98.7	96.5	99.9	99.7	99.7	99.7	100.4	98.0	96.6	95.5	96.1	97.4	97.2
Unit labor costs	117.5	132.2	105.3	106.6	109.0	113.3	116.6	119.2	121.1	125.4	131.4	136.8	136.1
NONDURABLE GOODS													
Output per hour of all persons	103.9	104.8	99.9	101.5	102.2	102.6	103.4	104.9	104.7	105.3	103.4	104.1	106.3
Output	106.4	105.0	102.3	103.3	104.4	105.7	105.8	107.0	107.1	107.6	103.1	102.6	106.6
Hours	102.4	100.2	102.4	101.8	102.2	103.0	102.3	102.0	102.2	102.3	99.7	98.6	100.2
Compensation per hour	118.7	130.5	107.4	109.6	111.6	114.5	118.1	119.7	122.7	124.6	129.3	133.1	135.5
Real compensation per hour	99.1	96.0	100.8	100.6	100.2	100.1	100.2	98.4	97.7	95.4	95.8	97.0	95.9
Unit labor costs	114.3	124.6	107.5	107.9	109.2	111.6	114.2	114.2	117.1	118.4	125.0	127.8	127.4
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	100.3	100.6	100.8	100.4	100.5	100.6	100.6	100.3	99.7	100.0	99.8	101.5	N.A.
Output	109.3	108.4	105.9	106.4	108.0	109.5	109.0	109.4	109.3	109.9	106.8	107.7	N.A.
Hours	109.0	107.8	105.1	105.9	107.5	108.9	108.4	109.1	109.7	110.0	107.0	106.1	N.A.
Compensation per hour	118.6	130.4	107.0	109.2	111.5	114.5	117.5	119.8	122.4	125.3	128.9	132.1	N.A.
Real compensation per hour	99.0	95.9	100.5	100.2	100.1	100.1	99.6	98.5	97.5	95.9	95.6	96.3	N.A.
Total unit costs	116.8	129.8	105.4	107.6	109.6	112.2	115.3	118.2	121.3	124.2	129.2	131.1	N.A.
Unit labor costs	118.2	129.6	106.2	108.7	111.0	113.8	116.8	119.5	122.8	125.4	129.1	130.2	N.A.
Unit nonlabor costs	112.7	130.4	103.0	104.4	106.0	107.8	111.2	114.6	117.2	120.9	129.3	133.8	N.A.
Unit profits	99.0	88.9	105.5	105.9	108.9	105.6	100.7	97.5	92.2	95.5	83.4	89.1	N.A.
Implicit price deflator	114.8	125.2	105.4	107.4	109.6	111.5	113.7	115.9	118.1	121.0	124.1	126.4	N.A.

p=preliminary
r=revised.

NOTE: Data in this table reflect the conversion of the base year from 1967 to 1977 = 100.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

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

Item	Quarterly percent change						Annual percent change					
	II 1979 to III 1979	III 1979 to IV 1979	IV 1979 to I 1980	I 1980 to II 1980	II 1980 to III 1980	III 1980 to IV 1980	III 1978 to IV 1979	IV 1978 to I 1979	I 1979 to II 1980	II 1979 to III 1980	III 1979 to IV 1980	IV 1979 to I 1980
PRIVATE BUSINESS SECTOR:												
Output per hour of all persons	-1.5	-1.1	1.3	-1.9	1.5	-2.8	-0.7	-0.9	-0.4	-0.8	0.0	-0.5
Output	2.4	1.7	1.8	-11.5	1.1	5.2	2.3	1.4	0.9	-1.6	-1.9	-1.1
Hours	4.0	2.8	0.5	-9.9	-0.4	8.2	3.1	2.4	1.3	-0.8	-1.9	-0.6
Compensation per hour	8.5	8.6	10.4	12.2	9.7	8.4	10.1	9.9	9.6	9.9	10.2	10.2
Real compensation per hour	-4.4	-4.4	-5.6	-1.3	2.4	-3.4	-1.5	-2.5	-4.0	-3.9	-2.3	-2.0
Unit labor costs	10.1	5.8	9.0	14.4	8.1	11.5	10.9	10.9	10.0	10.8	10.3	10.7
Unit nonlabor payments	4.2	2.6	11.3	2.6	13.6	6.4	4.6	2.9	5.2	5.1	7.4	8.4
Implicit price deflator	8.2	7.4	9.7	10.5	9.8	9.9	8.8	8.2	8.4	9.0	9.4	10.0
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	-1.4	-0.3	0.0	-3.0	3.8	-1.9	-1.2	-1.1	-0.9	-1.2	0.1	-0.3
Output	2.6	1.5	1.4	-12.1	2.9	5.4	2.2	1.3	0.6	-1.9	-1.8	-0.9
Hours	4.1	1.8	1.4	-9.4	-0.9	7.5	3.4	2.4	1.5	-0.7	-1.9	-0.6
Compensation per hour	8.1	9.6	9.9	11.2	9.3	9.6	9.6	9.6	9.4	9.7	10.0	10.0
Real compensation per hour	-4.7	-3.5	-6.0	-2.2	2.0	-2.3	-1.9	-2.7	-4.2	-4.1	-2.5	-2.2
Unit labor costs	9.7	9.9	9.9	14.6	5.3	11.8	10.9	10.9	10.4	11.0	9.9	10.4
Unit nonlabor payments	5.9	3.3	14.6	4.2	14.9	6.1	4.0	3.0	6.4	6.9	9.1	9.8
Implicit price deflator	8.5	7.8	11.3	11.3	8.2	10.0	8.7	8.3	9.1	9.7	9.6	10.2
MANUFACTURING:												
Output per hour of all persons	-1.6	0.1	-0.7	-4.6	-1.1	11.7	0.2	-0.1	0.3	-1.7	-1.6	1.1
Output	-0.1	-0.8	-1.0	-21.4	-7.6	24.2	1.8	0.0	-1.1	-6.3	-8.1	-2.8
Hours	1.5	-0.9	-0.3	-17.6	-6.6	11.2	1.7	0.1	-1.4	-4.7	-6.6	-3.9
Compensation per hour	3.9	8.1	10.1	15.5	12.7	10.3	9.7	9.4	9.1	9.3	11.6	12.1
Real compensation per hour	-8.4	-4.8	-5.9	1.6	5.2	-1.8	-1.8	-2.9	-4.4	-4.4	-1.1	-0.3
Unit labor costs	5.6	8.0	10.8	21.1	14.0	-1.3	9.5	9.6	8.8	11.2	13.4	10.9
DURABLE GOODS												
Output per hour of all persons	-5.9	0.5	-2.5	-3.4	-3.8	13.8	-1.8	-1.7	-1.2	-2.8	-2.3	0.8
Output	-3.0	-1.5	-3.0	-25.0	-11.3	29.9	0.7	-1.6	-3.0	-8.7	-10.7	-4.3
Hours	3.0	-2.0	-0.5	-22.4	-7.8	14.1	2.6	0.1	-1.9	-6.0	-8.6	-5.1
Compensation per hour	2.8	7.2	12.0	16.5	13.1	11.4	9.8	9.2	9.3	9.5	12.2	13.2
Real compensation per hour	-9.4	-5.6	-4.2	2.5	5.6	-0.8	-1.7	-3.2	-4.2	-4.3	-0.6	0.7
Unit labor costs	9.2	6.7	14.8	20.6	17.6	-2.2	11.8	11.1	10.7	12.7	14.8	12.4
NONDURABLE GOODS												
Output per hour of all persons	5.6	-0.6	2.1	-6.9	2.8	8.9	3.3	2.4	2.6	-0.1	-0.7	1.6
Output	4.5	0.2	2.1	-15.7	-2.0	16.5	3.6	2.5	1.9	-2.6	-4.1	-0.4
Hours	-1.0	0.8	0.0	-9.5	-4.7	7.0	0.2	0.1	-0.7	-2.5	-3.4	-2.0
Compensation per hour	5.7	10.1	6.6	15.7	12.4	7.5	9.3	9.9	8.9	9.4	11.1	10.5
Real compensation per hour	-6.8	-3.7	-8.8	1.7	4.9	-4.2	-2.2	-2.5	-4.7	-4.3	-1.5	-1.8
Unit labor costs	0.1	10.7	4.4	24.3	9.3	-1.3	5.8	7.3	6.1	9.5	12.0	8.8
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	-1.1	-2.4	1.2	-0.5	6.9	N.A.	-0.1	-0.8	-0.6	-0.7	1.2	N.A.
Output	1.6	-0.4	2.2	-10.9	3.4	N.A.	2.9	1.2	0.4	-2.0	-1.6	N.A.
Hours	2.8	2.1	1.0	-10.5	-3.3	N.A.	3.0	2.0	1.0	-1.3	-2.8	N.A.
Compensation per hour	8.2	8.9	9.8	12.0	10.3	N.A.	9.8	9.8	9.5	9.7	10.3	N.A.
Real compensation per hour	-4.6	-4.1	-6.1	-1.5	3.0	N.A.	-1.7	-2.6	-4.1	-4.1	-2.2	N.A.
Total unit costs	10.3	11.0	9.8	17.0	6.2	N.A.	9.9	10.7	10.6	12.0	11.0	N.A.
Unit labor costs	9.5	11.6	8.6	12.6	3.2	N.A.	9.9	10.7	10.1	10.5	8.9	N.A.
Unit nonlabor costs	12.8	9.3	13.5	30.6	14.7	N.A.	9.8	10.6	12.2	16.3	16.8	N.A.
Unit profits	-12.0	-20.2	15.3	-41.9	30.3	N.A.	-7.9	-15.4	-9.5	-17.2	-8.6	N.A.
Implicit price deflator	7.9	7.8	10.3	10.5	7.9	N.A.	7.9	7.8	8.5	9.1	9.1	N.A.

p-preliminary.
r-revised.

NOTE: Data in this table reflect the conversion of the base year from 1967 to 1977 = 100.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P
ALABAMA	\$256.94	\$276.00	\$273.93	40.4	40.0	39.7	\$6.36	\$6.90	\$6.90
Birmingham	307.75	313.24	321.98	40.6	39.5	39.8	7.5R	7.91	8.09
Mobile	319.55	343.92	338.35	41.5	40.7	39.9	7.70	8.45	8.48
ALASKA ¹	393.62	(*)	(*)	39.8	(*)	(*)	9.89	(*)	(*)
ARIZONA ¹	276.12	311.25	314.42	39.0	39.7	39.5	7.08	7.84	7.96
Phoenix ¹	269.97	310.95	306.40	38.9	40.7	40.0	6.94	7.54	7.65
Tucson ¹	265.49	289.71	291.93	38.2	37.0	37.0	6.95	7.83	7.89
ARKANSAS	217.33	240.77	237.00	39.3	39.6	38.6	5.53	6.08	6.14
Fayetteville—Springdale	194.05	218.20	207.57	37.9	39.6	37.4	5.12	5.51	5.55
Fort Smith	209.99	233.02	227.86	37.7	38.2	37.6	5.57	6.06	6.06
Little Rock—North Little Rock	230.11	274.87	271.83	37.6	39.1	39.0	6.12	7.03	6.97
Pine Bluff	298.66	312.83	312.64	40.8	41.6	41.3	7.32	7.52	7.57
CALIFORNIA	288.12	322.34	321.08	39.2	39.6	39.3	7.35	8.14	8.17
Anaheim—Santa Ana—Garden Grove	269.87	314.11	312.76	40.1	40.9	40.2	6.73	7.68	7.78
Bakersfield	282.72	354.55	364.73	36.2	40.8	41.4	7.81	8.69	8.81
Fresno	277.11	288.04	290.70	39.7	38.0	38.3	6.98	7.58	7.59
Los Angeles—Long Beach	275.92	309.25	308.07	39.7	39.8	39.7	6.95	7.77	7.75
Modesto	280.14	310.42	303.20	38.8	38.9	37.9	7.22	7.98	8.00
Oxnard—Simi Valley—Ventura	251.29	276.36	277.59	38.6	39.2	38.5	6.51	7.05	7.21
Riverside—San Bernardino—Ontario	295.25	324.00	321.50	38.9	40.0	39.4	7.59	8.10	8.16
Sacramento	306.78	336.40	337.95	38.3	38.8	38.8	8.01	8.67	8.71
Salinas—Seaside—Monterey	271.08	280.55	273.15	36.0	36.2	35.2	7.53	7.75	7.76
San Diego	273.61	301.82	297.11	38.7	38.4	37.8	7.07	7.86	7.86
San Francisco—Oakland	339.21	391.05	386.84	38.9	39.5	38.8	8.72	9.90	9.97
San Jose	315.52	335.36	340.10	40.4	39.5	39.5	7.81	8.49	8.61
Santa Barbara—Santa Maria—Lompoc	260.13	281.47	289.32	37.7	38.4	38.7	6.90	7.33	7.45
Santa Rosa	261.38	280.44	291.41	37.5	38.0	38.7	6.97	7.38	7.53
Stockton	311.25	340.81	340.86	39.2	39.4	39.0	7.94	8.65	8.74
Vallejo—Fairfield—Napa	304.10	332.63	323.51	38.3	37.5	37.1	7.94	8.87	8.72
COLORADO	296.00	313.63	312.44	40.0	39.7	39.4	7.40	7.90	7.93
Denver—Boulder	296.00	311.26	311.64	40.0	39.3	39.2	7.40	7.92	7.95
CONNECTICUT	288.65	314.91	313.92	42.2	42.1	41.8	6.84	7.48	7.51
Bridgeport	303.53	327.17	329.13	43.3	42.6	42.8	7.01	7.68	7.69
Hartford	318.22	338.44	336.04	42.6	42.2	41.9	7.47	8.02	8.02
New Britain	290.28	328.02	326.83	42.5	42.6	42.5	6.83	7.70	7.69
New Haven—West Haven	269.33	285.20	281.06	39.9	40.0	39.2	6.75	7.13	7.17
Stamford	276.69	285.89	287.82	43.3	40.5	41.0	6.39	6.99	7.02
Waterbury	243.19	270.30	272.63	41.5	42.3	42.4	5.86	6.35	6.43
DELAWARE	299.43	319.19	306.11	40.3	39.7	39.6	7.43	8.04	7.73
Wilmington	334.95	366.51	356.90	40.6	40.1	39.7	8.25	9.14	8.99
DISTRICT OF COLUMBIA:									
Washington SMSA ¹	323.16	340.29	338.24	39.7	39.8	39.7	8.14	8.55	8.52
FLORIDA	236.64	259.15	257.29	40.8	41.2	41.1	5.80	6.29	6.26
Fort Lauderdale—Hollywood	220.49	236.81	238.17	39.8	39.8	40.3	5.54	5.95	5.91
Jacksonville	269.20	309.64	305.34	40.0	41.9	41.6	6.73	7.39	7.34
Lakeland—Winter Haven	263.84	308.98	302.48	45.1	47.1	45.9	5.85	6.56	6.59
Miami	200.70	217.60	221.54	39.9	40.0	40.8	5.03	5.44	5.43
Orlando	250.92	275.76	270.03	41.0	42.1	41.1	6.12	6.55	6.57
Pensacola	287.43	316.99	311.54	40.2	41.6	41.1	7.15	7.62	7.58
Tampa—St. Petersburg	246.93	261.62	265.65	41.5	41.2	41.9	5.95	6.35	6.34
West Palm Beach—Boca Raton	287.55	286.45	287.12	43.9	42.5	42.1	6.55	6.74	6.82
GEORGIA	224.87	249.24	246.23	40.3	40.2	40.3	5.58	6.20	6.11
Atlanta	256.49	288.95	283.06	39.4	39.8	39.7	6.51	7.25	7.13
Savannah	314.79	338.87	341.28	43.3	43.5	43.2	7.27	7.79	7.90
HAWAII ¹	267.05	281.05	300.20	39.1	38.5	39.5	6.83	7.30	7.60
Honolulu ¹	267.42	270.48	282.00	38.7	36.9	37.4	6.91	7.33	7.54
IDAHO ¹	255.97	305.52	301.95	35.8	38.0	35.6	7.15	8.04	8.25
Boise City ¹	214.07	260.63	261.72	33.5	36.3	36.4	6.39	7.18	7.19

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P
ILLINOIS	\$309.54	\$345.66	\$341.25	40.2	40.1	39.0	\$7.70	\$8.52	\$9.75
Bloomington—Normal	283.72	292.50	277.25	41.0	39.0	36.1	6.92	7.50	7.68
Champaign—Urbana—Rantoul	221.74	289.11	283.76	30.5	38.6	36.9	7.27	7.49	7.69
Chicago SMSA	292.00	310.85	311.08	40.0	39.1	38.5	7.30	7.95	8.08
Davenport—Rock Island—Moline	344.04	409.60	380.63	38.7	40.0	37.5	8.89	10.24	10.15
Decatur	303.07	381.23	335.10	35.2	39.1	35.2	8.61	9.75	9.52
Peoria	403.22	420.79	421.86	42.4	39.4	37.3	9.51	10.68	11.31
Rockford	306.34	332.52	322.82	40.9	40.7	38.8	7.49	8.17	8.32
Springfield	283.44	343.85	348.38	37.1	40.5	39.1	7.64	8.49	8.91
INDIANA	326.78	369.05	362.22	39.9	40.6	39.5	8.19	9.09	9.17
Gary—Hammond—East Chicago	443.00	494.21	(*)	40.2	41.6	(*)	11.02	11.83	(*)
Indianapolis	323.60	364.27	(*)	43.5	40.7	(*)	7.99	8.95	(*)
IOWA	332.88	374.63	357.44	40.3	40.5	38.6	8.26	9.25	9.26
Cedar Rapids	339.87	367.74	360.38	41.6	40.5	39.3	8.17	9.08	9.17
Des Moines	338.37	382.45	363.09	39.3	40.3	39.1	8.61	9.49	9.53
Dubuque	398.20	416.80	417.64	39.9	40.0	39.7	9.98	10.42	10.52
Sioux City	303.75	339.88	334.09	40.5	40.9	40.3	7.50	8.31	8.29
Waterloo—Cedar Falls	421.41	500.21	447.49	41.6	40.8	36.8	10.13	12.26	12.16
KANSAS	283.69	314.93	307.28	39.9	40.9	39.7	7.11	7.70	7.74
Topeka	283.50	326.30	320.97	37.7	39.6	39.0	7.52	8.24	8.23
Wichita	309.23	354.38	344.57	39.9	41.4	40.3	7.75	8.56	8.55
KENTUCKY	270.44	303.20	302.99	38.8	40.0	39.4	6.97	7.58	7.69
Lexington—Fayette	236.36	290.32	296.73	37.1	39.0	37.8	6.91	7.64	7.85
Louisville	309.67	364.18	352.51	39.6	40.6	39.3	7.82	8.97	8.97
LOUISIANA	239.80	341.55	337.84	40.9	41.4	41.0	7.33	8.25	8.24
Baton Rouge	396.68	439.10	423.86	42.7	41.7	40.6	9.29	10.53	10.44
New Orleans	307.10	343.20	334.97	41.5	41.2	40.9	7.40	8.19	8.19
Shreveport	271.32	289.14	301.18	40.8	39.5	42.3	6.65	7.32	7.12
MAINE	233.96	260.58	257.20	40.2	40.4	40.0	5.82	6.45	6.43
Lewiston—Auburn	190.00	205.09	202.50	38.0	37.7	37.5	5.00	5.44	5.40
Portland	223.44	246.64	245.94	39.9	39.4	39.1	5.60	6.26	6.29
MARYLAND	291.06	320.40	319.60	39.6	39.9	39.9	7.35	8.03	8.01
Baltimore	309.50	339.80	340.63	40.3	40.5	40.6	7.68	8.39	8.39
MASSACHUSETTS	250.34	(*)	(*)	39.8	(*)	(*)	6.29	(*)	(*)
Boston	269.68	(*)	(*)	39.6	(*)	(*)	6.91	(*)	(*)
Brockton	195.42	(*)	(*)	37.8	(*)	(*)	5.17	(*)	(*)
Fall River	180.94	(*)	(*)	35.9	(*)	(*)	5.04	(*)	(*)
Lawrence—Haverhill	267.86	(*)	(*)	41.4	(*)	(*)	6.47	(*)	(*)
Lowell	223.22	(*)	(*)	39.3	(*)	(*)	5.68	(*)	(*)
New Bedford	213.16	(*)	(*)	38.2	(*)	(*)	5.58	(*)	(*)
Springfield—Chicopee—Holyoke	253.49	(*)	(*)	40.3	(*)	(*)	6.29	(*)	(*)
Worcester	253.04	(*)	(*)	39.6	(*)	(*)	6.39	(*)	(*)
MICHIGAN	364.21	417.78	(*)	39.9	41.1	(*)	9.13	10.17	(*)
Ann Arbor	381.43	437.24	(*)	39.6	41.5	(*)	9.63	10.54	(*)
Battle Creek	351.50	404.67	(*)	40.3	41.1	(*)	8.72	9.85	(*)
Bay City	330.70	371.55	(*)	40.3	41.5	(*)	8.21	8.95	(*)
Detroit	391.03	446.82	(*)	40.3	41.3	(*)	9.70	10.82	(*)
Flint	427.53	479.91	(*)	41.5	41.8	(*)	10.30	11.48	(*)
Grand Rapids	303.32	349.49	(*)	39.5	40.9	(*)	7.68	8.55	(*)
Jackson	342.74	391.34	(*)	41.9	44.1	(*)	8.18	8.87	(*)
Kalamazoo—Portage	338.00	383.56	(*)	40.1	41.0	(*)	8.43	9.36	(*)
Lansing—East Lansing	382.39	439.45	(*)	39.7	39.4	(*)	9.63	11.44	(*)
Muskegon—Norton Shores—Muskegon Heights	323.47	365.75	(*)	40.5	41.3	(*)	7.99	8.86	(*)
Saginaw	401.11	498.83	(*)	38.8	41.1	(*)	10.34	12.14	(*)
MINNESOTA	293.66	320.36	320.74	39.9	39.6	39.5	7.36	8.00	8.12
Duluth—Superior	261.89	300.29	300.27	37.9	38.4	38.3	6.91	7.82	7.84
Minneapolis—St. Paul	310.00	335.81	336.94	40.0	39.6	39.5	7.75	8.48	8.53
St. Cloud	214.78	237.40	236.44	35.5	36.3	35.6	6.05	6.54	6.46

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P
MISSISSIPPI	\$209.61	\$226.39	\$229.32	39.4	39.1	39.0	\$5.32	\$5.79	\$5.88
Jackson.....	238.21	254.00	251.37	41.0	40.0	39.9	5.81	6.35	6.30
MISSOURI	276.67	300.29	291.08	39.3	39.1	38.1	7.04	7.68	7.64
Kansas City.....	314.40	349.20	332.35	39.3	40.0	39.1	8.00	8.73	8.50
St. Joseph.....	260.06	291.53	281.64	38.3	40.1	39.9	6.79	7.27	7.24
St. Louis.....	317.58	337.26	332.61	40.2	38.9	38.1	7.90	8.67	8.73
Springfield.....	260.18	286.80	288.75	40.4	40.0	39.5	6.44	7.17	7.31
MONTANA	355.75	369.14	369.46	42.2	41.9	41.7	8.43	8.81	8.86
NEBRASKA	279.73	317.49	312.45	40.6	40.6	39.5	6.89	7.82	7.91
Lincoln.....	264.34	282.34	282.75	38.2	38.0	37.5	6.92	7.43	7.54
Omaha.....	288.01	318.40	315.44	39.4	39.8	39.8	7.31	8.00	8.13
NEVADA	282.36	294.89	307.70	39.0	38.1	38.9	7.24	7.74	7.91
Las Vegas ¹	360.00	376.11	(*)	40.0	39.8	(*)	9.00	9.45	(*)
NEW HAMPSHIRE ¹	(*)	249.28	250.48	(*)	40.6	40.4	(*)	6.14	6.20
Manchester ¹	(*)	223.11	236.41	(*)	39.7	39.8	(*)	5.62	5.94
Nashua ¹	(*)	264.14	280.70	(*)	39.9	40.8	(*)	6.62	6.88
NEW JERSEY	291.87	317.65	317.29	41.4	41.2	41.1	7.05	7.71	7.72
Atlantic City.....	212.55	218.51	229.26	39.0	35.3	36.8	5.45	6.19	6.23
Camden ²	279.45	316.47	319.61	40.5	41.1	41.4	6.90	7.70	7.72
Hackensack ³	269.61	275.40	273.51	41.8	40.5	40.4	6.45	6.80	6.77
Jersey City ³	290.17	305.95	307.42	41.1	41.4	41.6	7.06	7.39	7.39
New Brunswick—Perth Amboy—Sayreville ³	316.65	368.49	366.79	40.7	42.6	42.7	7.78	8.55	8.59
Newark ³	297.36	330.76	335.30	42.0	41.5	41.6	7.08	7.97	8.06
Paterson—Clifton—Passaic ³	269.53	306.08	307.22	40.9	41.7	42.2	6.59	7.34	7.28
Trenton.....	291.00	327.02	326.17	38.8	38.7	38.6	7.50	8.45	8.45
NEW MEXICO ¹	226.34	246.98	245.92	39.5	39.9	39.6	5.73	6.19	6.21
Albuquerque ¹	246.56	250.28	251.74	41.3	41.3	41.0	5.97	6.06	6.14
NEW YORK	275.52	303.76	303.36	39.7	39.5	39.5	6.94	7.69	7.68
Albany—Schenectady—Troy.....	293.04	322.80	317.19	40.7	40.0	40.1	7.20	8.07	7.91
Binghamton.....	264.13	284.69	288.52	41.4	41.2	41.1	6.38	6.91	7.02
Buffalo.....	353.12	395.20	392.80	39.9	40.0	40.0	8.85	9.88	9.82
Elmira.....	282.49	296.68	306.41	41.0	40.2	40.8	6.89	7.38	7.51
Monroe County ⁴	366.17	433.93	421.10	41.8	42.5	41.9	8.76	10.21	10.05
Nassau—Suffolk ⁵	260.96	288.72	289.60	39.6	40.1	40.0	6.59	7.20	7.24
New York—Northeastern New Jersey.....	263.61	287.96	(*)	39.7	39.5	(*)	6.64	7.29	(*)
New York and Nassau—Suffolk ³	241.42	260.37	262.89	38.2	37.9	38.1	6.32	6.87	6.90
New York SMSA ⁵	236.25	252.89	255.00	37.8	37.3	37.5	6.25	6.78	6.80
New York City ⁶	232.63	249.75	250.43	37.4	37.0	37.1	6.22	6.75	6.75
Poughkeepsie.....	275.70	308.48	308.67	41.9	41.8	42.4	6.58	7.38	7.28
Rochester.....	344.04	406.81	397.40	41.5	42.2	41.7	8.29	9.64	9.53
Rockland County ⁴	268.87	290.50	293.76	40.8	40.8	40.8	6.59	7.12	7.20
Syracuse.....	310.28	339.46	330.47	42.1	41.6	40.9	7.37	8.16	8.08
Utica—Rome.....	263.81	280.10	282.77	40.4	39.9	39.7	6.53	7.02	7.11
Westchester County ⁶	265.79	275.32	297.67	41.4	39.5	41.4	6.42	6.97	7.19
NORTH CAROLINA	204.85	223.68	226.76	39.7	38.9	39.3	5.16	5.75	5.77
Asheville.....	200.19	218.40	219.74	39.8	39.0	39.1	5.03	5.60	5.62
Charlotte—Gastonia.....	209.82	232.18	237.28	40.9	40.1	40.7	5.13	5.79	5.83
Greensboro—Winston-Salem—High Point.....	222.22	249.85	251.27	39.4	39.1	39.2	5.64	6.39	6.41
Raleigh—Durham.....	234.23	256.11	258.72	39.3	39.1	39.2	5.96	6.55	6.60
NORTH DAKOTA	234.62	261.51	255.99	37.3	37.9	37.1	6.20	6.90	6.90
Fargo—Moorhead.....	251.49	277.00	277.73	36.5	36.4	36.4	6.89	7.61	7.63
OHIO	333.74	376.89	373.11	40.7	41.1	40.6	8.20	9.17	9.19
Akron.....	343.20	385.98	386.74	41.6	42.0	41.9	8.25	9.19	9.23
Canton.....	350.27	368.02	369.61	40.4	39.7	39.7	8.67	9.27	9.31
Cincinnati.....	319.66	355.28	350.17	41.3	41.7	41.1	7.74	8.52	8.52
Cleveland.....	340.71	381.51	380.18	41.0	41.2	41.1	8.31	9.26	9.25
Columbus.....	294.67	331.63	330.37	39.5	40.1	39.9	7.46	8.27	8.28
Dayton.....	342.78	388.64	379.45	41.2	41.7	41.2	8.32	9.32	9.21
Toledo.....	343.85	388.82	377.78	40.5	40.8	39.6	8.49	9.53	9.54
Youngstown—Warren.....	397.13	470.61	458.37	40.4	41.5	40.6	9.83	11.34	11.29

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P
OKLAHOMA	\$280.50	\$314.79	\$312.84	39.9	40.1	39.4	\$7.03	\$7.85	\$7.94
Oklahoma City	301.04	323.21	317.13	40.3	40.1	39.2	7.47	8.06	8.09
Tulsa	293.04	335.32	335.27	39.6	40.4	40.2	7.40	8.30	8.34
OREGON	317.18	342.00	346.09	38.4	37.5	37.7	8.26	9.12	9.18
Eugene—Springfield	353.68	375.65	374.14	40.1	39.5	39.3	8.82	9.51	9.52
Jackson County	316.03	327.73	(*)	38.4	37.2	(*)	8.23	8.81	(*)
Portland	315.41	336.87	345.40	38.7	37.1	37.3	8.15	9.08	9.26
PENNSYLVANIA	286.26	317.52	316.68	39.0	39.2	39.0	7.34	8.10	8.12
Allentown—Bethlehem—Easton	290.70	321.98	317.57	38.3	38.7	38.4	7.59	8.32	8.27
Altoona	249.48	269.37	266.82	38.8	38.1	37.9	6.43	7.07	7.04
Delaware Valley	293.49	323.16	324.37	39.5	39.7	39.8	7.43	8.14	8.15
Erle	304.79	334.97	337.02	41.3	40.8	40.9	7.38	8.21	8.24
Harrisburg	286.47	309.14	304.91	41.1	41.0	40.6	6.97	7.54	7.51
Johnstown	316.57	313.66	306.74	38.7	36.6	36.3	8.18	8.57	8.45
Lancaster	259.43	278.40	279.10	40.6	40.0	40.1	6.39	6.96	6.96
Northeast Pennsylvania	208.29	223.46	221.65	36.8	36.1	35.1	5.66	6.19	6.14
Philadelphia SMSA	291.40	321.99	324.01	39.7	39.9	40.1	7.34	8.07	8.08
Pittsburgh	358.00	396.77	401.80	40.0	40.2	40.1	8.95	9.87	10.02
Reading	273.53	302.00	302.65	39.7	40.0	40.3	6.89	7.55	7.51
Scranton	198.55	224.72	219.83	36.1	36.9	36.7	5.50	6.09	5.99
Wilkes-Barre—Hazleton	212.95	220.98	222.85	37.1	35.3	35.6	5.74	6.26	6.26
Williamsport	273.34	300.60	303.86	39.5	39.5	40.3	6.92	7.61	7.54
York	250.40	280.68	284.89	40.0	39.7	39.9	6.51	7.07	7.14
RHODE ISLAND	213.49	233.05	235.82	39.1	39.5	39.7	5.46	5.90	5.94
Providence—Warwick—Pawtucket	211.77	232.45	235.22	39.0	39.6	39.8	5.43	5.87	5.91
SOUTH CAROLINA	221.68	240.35	242.79	40.9	40.6	40.6	5.42	5.92	5.98
Charleston—North Charleston	248.62	273.78	277.30	40.1	40.5	40.9	6.20	6.75	6.78
Columbia	214.26	232.43	233.23	39.9	39.8	39.8	5.37	5.84	5.86
Greenville—Spartanburg	220.45	231.67	232.46	40.9	39.4	39.4	5.30	5.88	5.90
SOUTH DAKOTA	246.19	297.90	294.55	41.1	43.3	43.0	5.99	6.88	6.85
Rapid City	174.64	258.25	260.24	29.6	37.7	38.9	5.90	6.85	6.69
Sioux Falls	333.52	442.76	434.72	45.5	50.2	49.4	7.33	8.82	8.80
TENNESSEE	232.45	257.51	256.49	39.6	39.8	39.4	5.87	6.47	6.51
Chattanooga	238.21	261.29	(*)	41.0	40.7	(*)	5.81	6.42	(*)
Knoxville	267.87	298.08	286.38	40.1	40.5	38.7	6.68	7.36	7.40
Memphis	250.67	304.44	(*)	39.6	40.7	(*)	6.33	7.48	(*)
Nashville—Davidson	243.75	277.49	276.61	39.0	40.1	39.8	6.25	6.92	6.95
TEXAS	281.67	316.71	315.18	41.3	41.4	41.2	6.82	7.65	7.65
Amarillo	280.48	309.52	304.47	41.8	42.4	41.2	6.71	7.30	7.39
Austin	228.80	244.13	243.17	41.3	41.1	40.8	5.54	5.94	5.96
Beaumont—Port Arthur—Orange	455.17	448.51	(*)	42.9	41.8	(*)	10.61	10.73	(*)
Corpus Christi	319.18	331.93	342.40	42.9	42.5	42.8	7.44	7.81	8.00
Dallas—Fort Worth	263.16	293.35	291.51	40.8	40.8	40.6	6.45	7.19	7.18
El Paso	200.07	202.75	200.33	40.5	39.6	38.6	4.94	5.12	5.19
Galveston—Texas City	410.18	466.57	481.93	41.6	42.3	42.8	9.86	11.03	11.26
Houston	360.91	396.36	394.17	43.8	43.7	43.7	8.24	9.07	9.02
Lubbock	221.68	249.23	251.52	40.9	41.4	41.3	5.42	6.02	6.09
San Antonio	203.07	231.29	229.34	40.5	41.9	41.1	4.94	5.52	5.58
Waco	241.35	250.51	252.86	39.5	39.7	40.2	6.11	6.31	6.29
Wichita Falls	254.06	288.52	286.53	40.2	41.1	40.7	6.32	7.02	7.04
UTAH	265.23	286.55	290.51	39.5	39.2	39.1	6.74	7.31	7.43
Salt Lake City—Ogden	243.22	279.58	278.32	39.4	39.6	39.2	6.30	7.05	7.10
VERMONT	242.08	266.34	268.30	41.1	40.6	40.9	5.89	6.56	6.56
Burlington	269.24	281.52	(*)	42.4	41.4	(*)	6.35	6.80	(*)
Springfield	293.92	303.42	310.65	44.0	42.2	41.2	6.68	7.19	7.54
VIRGINIA	234.62	260.70	259.52	39.3	39.5	39.5	5.97	6.60	6.57
Bristol	202.99	234.87	237.50	37.8	37.7	38.0	5.37	6.23	6.25
Lynchburg	231.27	264.96	253.00	39.0	40.7	40.4	5.93	6.51	6.51
Norfolk—Virginia Beach—Portsmouth	263.06	287.82	274.44	40.1	41.0	40.9	6.56	7.02	6.71
Northern Virginia	267.58	289.26	296.62	39.7	40.4	40.8	6.74	7.16	7.27
Petersburg—Colonial Heights—Hopewell	270.97	313.47	304.80	38.6	40.5	40.0	7.02	7.74	7.62

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	FEB. 1980	JAN. 1981	FEB. 1981 ^p	FEB. 1980	JAN. 1981	FEB. 1981 ^p	FEB. 1980	JAN. 1981	FEB. 1981 ^p
VIRGINIA—Continued									
Richmond.....	\$300.93	\$343.40	\$349.80	39.7	40.4	40.3	\$7.58	\$8.50	\$8.68
Roanoke.....	222.88	243.72	239.01	39.8	39.5	38.8	5.60	6.17	6.16
WASHINGTON	347.14	(*)	(*)	38.7	(*)	(*)	8.07	(*)	(*)
Seattle—Everett.....	356.96	(*)	(*)	38.8	(*)	(*)	9.20	(*)	(*)
Spokane.....	300.00	(*)	(*)	37.5	(*)	(*)	8.00	(*)	(*)
Tacoma.....	331.89	(*)	(*)	37.0	(*)	(*)	8.97	(*)	(*)
WEST VIRGINIA	311.25	339.95	339.16	39.7	39.9	39.3	7.84	8.52	8.63
Charleston.....	360.38	379.47	392.60	42.8	41.7	41.9	8.42	9.10	9.37
Huntington—Ashland.....	334.70	402.38	382.18	39.1	42.4	40.4	8.56	9.49	9.46
Parkersburg—Marietta.....	325.56	365.62	369.51	40.9	41.5	41.8	7.96	8.81	8.84
Wheeling.....	332.81	377.26	385.92	39.2	38.3	39.5	8.49	9.85	9.77
WISCONSIN	316.46	345.51	342.07	40.6	40.3	39.9	7.80	8.57	8.58
Appleton—Oshkosh.....	309.87	342.06	347.99	41.4	41.6	42.2	7.48	8.21	8.24
Eau Claire.....	318.70	334.23	330.42	41.0	40.8	40.3	7.77	8.19	8.19
Green Bay.....	322.08	350.13	354.62	41.5	40.8	41.2	7.76	8.50	8.61
Janesville—Beloit.....	302.95	366.29	364.96	39.6	39.8	39.4	7.64	9.21	9.26
Kenosha.....	373.25	386.72	359.99	40.5	39.9	39.1	9.21	9.69	9.21
La Crosse.....	267.11	298.29	293.58	39.8	40.0	39.4	6.70	7.47	7.46
Madison.....	314.56	331.98	330.06	39.1	39.5	39.1	8.04	8.42	8.45
Milwaukee.....	347.97	382.23	377.95	40.8	40.6	40.0	8.53	9.41	9.46
Racine.....	336.95	363.09	359.41	41.3	40.2	39.4	8.17	9.02	9.12
WYOMING	276.44	313.34	306.50	39.1	40.8	39.6	7.07	7.68	7.74
Casper.....	271.95	(*)	(*)	36.9	(*)	(*)	7.37	(*)	(*)
VIRGIN ISLANDS	281.07	353.32	344.30	40.5	44.0	43.2	6.94	8.03	7.97

¹ Revised to 1980 benchmark; not strictly comparable with previously published data.

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

³ Subarea of New York—Northeastern New Jersey.

⁴ Subarea of Rochester Standard Metropolitan Statistical Area.

⁵ Area included in New York and Nassau-Suffolk combined SMSA's.

⁶ Subarea of New York Standard Metropolitan Statistical Area.

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

⁸ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

⁹ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

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

p = preliminary.

* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-1. Labor turnover rates in manufacturing, 1971 to date

(Per 100 employees)

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions													
1971.....	3.9	3.5	3.1	3.5	3.6	4.0	4.9	4.0	5.3	4.8	3.9	3.3	2.5
1972.....	4.5	4.1	3.7	4.0	4.1	4.9	5.4	4.7	6.1	5.4	4.8	3.7	2.7
1973.....	4.8	4.7	4.1	4.5	4.6	5.4	5.9	5.2	6.3	5.8	5.2	3.8	2.6
1974.....	4.2	4.2	3.7	4.1	4.5	5.1	5.4	4.9	5.5	4.9	3.8	2.4	1.8
1975.....	3.7	2.9	2.7	3.2	3.7	4.0	4.5	4.6	5.2	4.6	3.7	2.8	2.2
1976.....	3.9	3.9	3.5	4.2	3.9	4.5	4.8	4.2	5.1	4.4	3.5	2.9	2.2
1977.....	4.0	3.7	3.7	4.0	3.8	4.6	4.9	4.3	5.3	4.6	3.9	3.1	2.4
1978.....	4.1	3.8	3.2	3.8	4.0	4.7	4.9	4.4	5.4	4.9	4.3	3.3	2.4
1979.....	4.0	4.0	3.4	3.8	3.9	4.7	4.8	4.3	5.0	4.5	4.1	3.0	2.2
1980.....	3.5	3.8	3.3	3.5	3.1	3.4	3.9	3.8	4.5	4.3	3.6	2.7	2.2
1981.....		3.4	P3.0										
New hires													
1971.....	2.6	2.0	1.9	2.2	2.3	2.7	3.5	2.7	3.4	3.4	2.7	2.2	1.6
1972.....	3.3	2.6	2.5	2.8	2.9	3.7	4.2	3.5	4.5	4.3	3.9	2.9	2.1
1973.....	3.9	3.5	3.2	3.5	3.7	4.5	5.0	4.1	5.1	4.8	4.4	3.1	2.0
1974.....	3.2	3.2	2.8	3.1	3.3	4.0	4.3	3.7	4.2	3.9	2.9	1.7	1.0
1975.....	2.0	1.3	1.2	1.3	1.6	2.0	2.5	2.6	3.1	3.1	2.5	1.8	1.3
1976.....	2.6	2.1	2.1	2.7	2.6	3.1	3.6	2.9	3.6	3.2	2.5	1.9	1.3
1977.....	2.8	2.2	2.1	2.6	2.7	3.5	3.7	3.0	4.0	3.5	3.0	2.2	1.6
1978.....	3.1	2.5	2.2	2.7	2.9	3.6	3.9	3.3	4.2	3.9	3.5	2.6	1.7
1979.....	2.9	2.8	2.5	2.8	2.9	3.6	3.8	3.1	3.7	3.4	3.1	2.2	1.5
1980.....	2.1	2.4	2.2	2.3	2.1	2.1	2.4	2.1	2.5	2.6	2.2	1.6	1.2
1981.....		1.8	P1.8										
Resalls													
1976.....	1.0	1.4	1.0	1.2	1.0	1.0	0.9	1.1	1.1	0.8	0.7	0.7	0.7
1977.....	.9	1.2	1.3	1.1	.9	.8	.8	.9	1.0	.8	.6	.6	.6
1978.....	.7	1.0	.7	.8	.8	.7	.8	.8	.9	.7	.6	.5	.5
1979.....	.7	.9	.7	.7	.7	.8	.7	.9	.9	.8	.7	.5	.5
1980.....	1.1	1.1	.9	.9	.8	1.0	1.2	1.4	1.7	1.4	1.1	.9	.8
1981.....		1.3	P1.0										
Total separations													
1971.....	4.2	4.2	3.5	3.7	3.9	3.7	3.8	4.8	5.5	5.3	4.3	3.7	3.8
1972.....	4.3	4.1	3.5	3.9	3.8	3.9	4.2	4.8	5.5	5.5	4.4	3.8	3.7
1973.....	4.7	4.3	3.8	4.3	4.2	4.4	4.5	5.2	6.5	5.8	5.0	4.2	4.0
1974.....	4.9	5.0	4.1	4.4	4.3	4.4	4.2	4.9	6.2	5.5	5.1	5.0	5.2
1975.....	4.2	6.1	4.5	4.2	4.0	3.9	3.7	4.4	4.7	4.4	4.1	3.5	3.4
1976.....	3.8	3.7	3.0	3.5	3.6	3.4	3.6	4.3	4.9	4.7	4.1	3.4	3.5
1977.....	3.8	3.9	3.4	3.4	3.4	3.5	3.5	4.3	5.1	4.9	3.8	3.4	3.4
1978.....	3.9	3.6	3.1	3.5	3.6	3.7	3.8	4.1	5.3	4.9	4.1	3.5	3.4
1979.....	4.0	3.8	3.2	3.6	3.7	3.8	3.9	4.3	5.7	4.7	4.2	3.8	3.5
1980.....	4.0	4.1	3.5	3.7	4.7	4.8	4.4	4.2	4.8	4.1	3.7	3.0	3.1
1981.....		3.6	P3.1										
Quits													
1971.....	1.8	1.5	1.3	1.5	1.6	1.7	1.8	1.8	2.8	2.9	2.0	1.5	1.2
1972.....	2.3	1.7	1.6	1.9	2.0	2.2	2.2	2.2	3.6	3.5	2.5	2.0	1.6
1973.....	2.8	2.3	2.1	2.5	2.5	2.8	2.8	2.8	4.6	4.0	3.1	2.3	1.6
1974.....	2.4	2.2	2.0	2.3	2.4	2.7	2.5	2.6	4.0	3.3	2.2	1.4	1.0
1975.....	1.4	1.1	.9	1.0	1.1	1.3	1.4	1.5	2.5	2.1	1.6	1.2	.9
1976.....	1.7	1.3	1.2	1.6	1.7	1.7	1.8	1.9	2.8	2.5	1.7	1.2	1.0
1977.....	1.8	1.4	1.3	1.6	1.7	1.9	1.9	1.9	3.1	2.8	1.9	1.5	1.2
1978.....	2.1	1.5	1.4	1.8	2.0	2.1	2.2	2.1	3.5	3.1	2.3	1.7	1.3
1979.....	2.0	1.8	1.6	1.9	2.0	2.1	2.1	2.0	3.3	2.7	2.1	1.6	1.1
1980.....	1.5	1.6	1.5	1.6	1.5	1.5	1.4	1.4	2.2	1.9	1.4	1.1	.9
1981.....		1.2	P1.1										
Layoffs													
1971.....	1.6	1.9	1.4	1.4	1.4	1.2	1.2	2.1	1.8	1.5	1.5	1.5	1.8
1972.....	1.1	1.5	1.1	1.1	1.0	.9	1.1	1.7	.9	.9	1.0	1.0	1.3
1973.....	.9	1.1	.8	.8	.7	.7	.7	1.4	.8	.8	.8	1.1	1.6
1974.....	1.5	1.8	1.3	1.1	.9	.8	.8	1.4	1.1	1.2	1.8	2.8	3.6
1975.....	2.1	4.0	2.9	2.5	2.1	1.8	1.6	2.0	1.3	1.5	1.6	1.7	1.9
1976.....	1.3	1.6	1.0	1.1	1.1	.9	.9	1.6	1.1	1.3	1.5	1.5	1.8
1977.....	1.1	1.7	1.4	1.0	.9	.8	.8	1.5	1.0	1.1	1.1	1.1	1.5
1978.....	.9	1.2	.9	.9	.8	.7	.7	1.1	.8	.8	.9	1.0	1.4
1979.....	1.1	1.1	.8	.8	.9	.7	.9	1.4	1.3	1.1	1.2	1.5	1.7
1980.....	1.7	1.6	1.2	1.3	2.3	2.5	2.2	2.0	1.7	1.4	1.5	1.3	1.6
1981.....		1.6	P1.2										

p=preliminary.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2. Labor turnover rates, by industry

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P
-	MANUFACTURING	3.4	3.0	1.8	1.8	1.3	1.0	3.6	3.1	1.2	1.1	1.6	1.2
24, 25, 32-39	DURABLE GOODS	3.2	2.9	1.6	1.6	1.3	1.0	3.4	2.9	1.0	.9	1.5	1.2
20-23, 26-31	NONDURABLE GOODS	3.8	3.2	2.2	2.0	1.3	1.0	4.0	3.3	1.6	1.3	1.7	1.3
	DURABLE GOODS												
24	LUMBER AND WOOD PRODUCTS	4.8	4.7	2.7	2.8	1.9	1.7	5.3	4.9	1.9	1.8	2.4	2.3
242	Sawmills and planing mills	4.4	-	2.2	-	2.0	-	4.4	-	1.6	-	1.9	-
2421	Sawmills and planing mills, general	4.0	-	1.6	-	2.1	-	4.1	-	1.4	-	1.9	-
243	Millwork, plywood, and structural members	3.7	-	2.4	-	1.1	-	5.2	-	1.7	-	2.6	-
2431	Millwork	3.2	-	2.1	-	1.1	-	5.0	-	1.7	-	2.5	-
244	Wooden containers	5.4	-	3.9	-	1.3	-	5.4	-	2.5	-	2.1	-
245	Wood buildings and mobile homes	6.8	-	4.9	-	1.8	-	10.0	-	4.1	-	4.4	-
2451	Mobile homes	8.1	-	5.9	-	2.1	-	11.2	-	5.0	-	4.2	-
249	Miscellaneous wood products	4.7	-	3.2	-	1.2	-	4.5	-	1.9	-	1.0	-
25	FURNITURE AND FIXTURES	4.0	3.3	2.7	2.5	1.1	.7	3.8	3.7	1.8	1.7	1.2	1.3
251	Household furniture	4.1	-	3.0	-	.8	-	4.1	-	2.1	-	1.1	-
2511	Wood household furniture	3.6	-	2.8	-	.6	-	3.3	-	2.1	-	.4	-
2512	Upholstered household furniture	3.5	-	2.8	-	.5	-	3.8	-	2.1	-	1.0	-
2515	Mattresses and bedspreads	4.9	-	3.3	-	1.3	-	4.3	-	1.8	-	1.7	-
252	Office furniture	3.0	-	1.8	-	1.1	-	2.9	-	1.2	-	.9	-
254	Partitions and fixtures	4.8	-	2.4	-	1.9	-	4.2	-	1.5	-	1.9	-
32	STONE, CLAY, AND GLASS PRODUCTS	3.7	3.3	1.5	1.6	2.0	1.5	5.1	3.7	1.0	1.0	3.3	2.1
322	Glass and glassware, pressed or blown	4.2	-	.6	-	3.2	-	3.8	-	.6	-	2.4	-
3221	Glass containers	4.2	-	.6	-	3.3	-	4.0	-	.6	-	2.6	-
3229	Pressed and blown glass, nec	4.2	-	.6	-	3.0	-	3.7	-	.5	-	2.2	-
323	Products of purchased glass	4.3	-	1.2	-	2.7	-	3.6	-	.9	-	1.8	-
324	Cement, hydraulic	2.8	-	.6	-	2.1	-	4.5	-	.3	-	3.5	-
325	Structural clay products	4.2	-	2.2	-	1.8	-	9.0	-	1.6	-	6.5	-
326	Pottery and related products	3.3	-	1.1	-	2.1	-	3.5	-	1.1	-	1.5	-
327	Concrete, gypsum, and plaster products	3.9	-	2.6	-	1.2	-	8.0	-	1.5	-	5.6	-
329	Misc. nonmetallic mineral products	3.0	-	1.3	-	1.5	-	3.1	-	.8	-	1.6	-
33	PRIMARY METAL INDUSTRIES	3.3	2.5	.9	.8	2.2	1.4	2.7	2.4	.5	.5	1.3	1.2
331	Blast furnace and basic steel products	3.8	-	.6	-	2.8	-	3.0	-	.2	-	1.6	-
3312	Blast furnaces and steel mills	3.9	-	.4	-	3.1	-	3.0	-	.2	-	1.6	-
332	Iron and steel foundries	3.8	-	1.2	-	2.4	-	2.9	-	.8	-	1.3	-
3321	Gray iron foundries	3.5	-	1.1	-	2.3	-	2.3	-	.7	-	.8	-
3325	Steel foundries, nec	4.5	-	1.4	-	2.9	-	3.7	-	.8	-	2.0	-
333	Primary nonferrous metals .....	.7	-	.5	-	.1	-	1.1	-	.2	-	.5	-
335	Nonferrous rolling and drawing	2.0	-	.9	-	.9	-	1.9	-	.5	-	.7	-
3351	Copper rolling and drawing	3.1	-	1.6	-	1.3	-	2.0	-	.7	-	.5	-
3353	Aluminum sheet, plate, and foil	2.0	-	.6	-	1.3	-	1.8	-	.2	-	.8	-
3357	Nonferrous wire drawing and insulating	1.4	-	.7	-	.6	-	1.7	-	.5	-	.4	-
336	Nonferrous foundries	4.8	-	2.0	-	2.7	-	3.3	-	1.1	-	1.4	-
3361	Aluminum foundries	5.6	-	2.0	-	3.4	-	3.5	-	1.1	-	1.6	-
34	FABRICATED METAL PRODUCTS	3.3	3.3	1.7	1.7	1.4	1.2	4.0	3.1	1.1	1.0	2.1	1.4
341	Metal cans and shipping containers	6.1	-	.9	-	4.8	-	4.4	-	.5	-	3.1	-
3411	Metal cans	6.6	-	.7	-	5.4	-	4.5	-	.4	-	3.3	-
342	Cutlery, hand tools, and hardware	2.4	-	1.2	-	.8	-	3.4	-	1.0	-	1.5	-
3423, 5	Hand and edge tools, and hand saws and blades	2.1	-	1.3	-	.8	-	3.1	-	.9	-	1.0	-
3429	Hardware, nec	2.6	-	1.2	-	.8	-	3.7	-	1.0	-	1.9	-
343	Plumbing and heating, except electric	3.6	-	1.9	-	1.4	-	4.4	-	1.0	-	2.7	-
344	Fabricated structural metal products	3.3	-	2.1	-	1.1	-	4.1	-	1.4	-	1.9	-
3441	Fabricated structural metal	3.4	-	2.4	-	.9	-	5.2	-	1.5	-	2.7	-
3442	Metal doors, sash, and trim	2.8	-	2.2	-	.6	-	5.7	-	1.7	-	2.8	-
3443	Fabricated plate work (boiler shops)	1.8	-	1.3	-	.4	-	2.3	-	.9	-	.8	-
3444	Sheet metal work	5.1	-	2.4	-	2.5	-	4.6	-	1.6	-	2.3	-
345	Screw machine products, bolts, etc.	2.9	-	1.6	-	1.2	-	3.1	-	1.2	-	1.1	-
3451	Screw machine products	2.7	-	1.5	-	1.2	-	3.3	-	1.3	-	1.2	-
3452	Bolts, nuts, rivets, and washers	3.0	-	1.7	-	1.2	-	3.0	-	1.1	-	1.0	-
346	Metal forgings and stampings	2.9	-	1.2	-	1.3	-	5.4	-	.9	-	3.7	-
3462	Iron and steel forgings	3.4	-	1.3	-	1.8	-	2.9	-	.9	-	1.2	-
3465	Automotive stampings	2.1	-	.7	-	.8	-	9.8	-	.6	-	8.4	-
3469	Metal stampings, nec	3.4	-	1.7	-	1.4	-	3.4	-	1.1	-	1.5	-
347	Metal services, nec	4.0	-	2.4	-	1.5	-	4.3	-	1.6	-	1.8	-
348	Ordnance and accessories, nec	2.4	-	1.1	-	1.1	-	1.9	-	.6	-	.5	-
349	Misc. fabricated metal products	3.4	-	1.7	-	1.5	-	3.5	-	1.1	-	1.4	-
3494	Valves and pipe fittings	3.1	-	1.5	-	1.4	-	2.7	-	.9	-	.5	-
3496	Misc. fabricated wire products	5.4	-	2.9	-	2.4	-	5.4	-	1.3	-	3.2	-

See footnotes at end of table.

ESTABLISHMENT DATA LABOR TURNOVER

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

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P
35	MACHINERY, EXCEPT ELECTRICAL	2.6	2.3	1.4	1.5	1.0	0.7	2.6	2.1	0.9	0.7	1.0	0.7
351	Engines and turbines	4.2	-	.6	-	3.1	-	2.1	-	.3	-	1.0	-
3511	Turbines and turbine generator sets	1.5	-	.6	-	.1	-	1.8	-	.2	-	.2	-
3519	Internal combustion engines, nec	5.3	-	.6	-	4.3	-	2.2	-	.3	-	1.3	-
352	Farm and garden machinery	2.9	-	1.1	-	1.6	-	2.9	-	.7	-	1.3	-
3523	Farm machinery and equipment	3.2	-	1.2	-	1.8	-	2.7	-	.6	-	1.1	-
353	Construction and related machinery	2.8	-	1.7	-	.9	-	2.4	-	.9	-	.9	-
3531	Construction machinery	2.1	-	.8	-	1.2	-	1.6	-	.4	-	.8	-
3533	Oil field machinery	3.7	-	3.3	-	.1	-	2.7	-	1.8	-	.1	-
354	Metalworking machinery	2.2	-	1.5	-	.5	-	2.9	-	1.0	-	1.2	-
3541	Machine tools, metal cutting types	1.3	-	1.1	-	.2	-	1.8	-	.7	-	.4	-
3544	Special dies, tools, jigs, and fixtures	3.1	-	2.4	-	.6	-	2.7	-	1.2	-	.8	-
3545	Machine tool accessories	1.6	-	1.1	-	.4	-	2.4	-	.9	-	.8	-
355	Special industry machinery	1.7	-	1.1	-	.4	-	2.5	-	.8	-	1.1	-
3551	Food products machinery	1.6	-	1.0	-	.5	-	3.5	-	.7	-	2.0	-
3552	Textile machinery	2.1	-	1.4	-	.4	-	2.4	-	.9	-	.7	-
356	General industrial machinery	2.4	-	1.1	-	1.0	-	2.4	-	.8	-	.8	-
3561	Pumps and pumping equipment	2.3	-	1.2	-	.9	-	2.1	-	.9	-	.5	-
3562	Ball and roller bearings	2.9	-	.9	-	1.2	-	1.8	-	.7	-	.4	-
3564	Blowers and fans	2.7	-	1.6	-	1.0	-	2.7	-	.9	-	1.2	-
357	Office and computing machines	1.9	-	1.5	-	.2	-	1.7	-	.8	-	.3	-
3573	Electronic computing equipment	2.0	-	1.6	-	.1	-	1.5	-	.8	-	.1	-
358	Refrigeration and service machinery	3.5	-	1.7	-	1.5	-	3.5	-	.9	-	1.8	-
3585	Refrigeration and heating equipment	3.3	-	1.4	-	1.4	-	3.5	-	.8	-	1.7	-
359	Misc. machinery, except electrical	3.6	-	1.9	-	1.6	-	3.8	-	1.4	-	1.7	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	2.9	2.4	1.6	1.4	1.0	.6	3.0	2.6	1.1	.9	1.1	.9
361	Electric distributing equipment	3.3	-	2.0	-	.9	-	3.3	-	1.2	-	1.0	-
3612	Transformers	3.6	-	1.7	-	1.3	-	2.8	-	1.1	-	.3	-
3613	Switchgear and switchboard apparatus	3.1	-	2.2	-	.6	-	3.7	-	1.2	-	1.6	-
362	Electrical industrial apparatus	2.2	-	1.1	-	.9	-	1.9	-	.6	-	.6	-
3621	Motors and generators	3.4	-	1.8	-	1.3	-	2.7	-	.8	-	1.0	-
3622	Industrial controls	.4	-	.2	-	.1	-	.5	-	.2	-	.2	-
363	Household appliances	6.4	-	1.4	-	4.2	-	3.8	-	.6	-	2.0	-
3632	Household refrigerators and freezers	13.5	-	2.5	-	8.9	-	4.9	-	.4	-	2.3	-
3633	Household laundry equipment	2.8	-	.7	-	1.4	-	4.7	-	.3	-	3.5	-
3634	Electric housewares and fans	6.9	-	.7	-	5.9	-	4.6	-	1.1	-	2.7	-
364	Electric lighting and wiring equipment	3.0	-	1.7	-	.9	-	2.8	-	1.0	-	1.0	-
3641	Electric lamps	1.7	-	.6	-	.3	-	3.1	-	.6	-	1.5	-
3643	Current-carrying wiring devices	2.2	-	1.3	-	.7	-	2.1	-	.9	-	.4	-
365	Radio and TV receiving equipment	4.8	-	1.3	-	2.0	-	6.5	-	1.7	-	2.9	-
3651	Radio and TV receiving sets	4.1	-	1.4	-	.9	-	7.1	-	1.6	-	3.4	-
366	Communication equipment	1.9	-	1.4	-	.2	-	2.1	-	.9	-	.5	-
3661	Telephone and telegraph apparatus	.7	-	.3	-	.3	-	1.6	-	.3	-	.6	-
3662	Radio and TV communication equipment	2.4	-	1.9	-	.2	-	2.3	-	1.2	-	.4	-
367	Electronic components and accessories	2.8	-	2.0	-	.6	-	3.2	-	1.4	-	.9	-
3671-3	Electronic tubes	2.4	-	.9	-	.8	-	2.5	-	.7	-	.8	-
3674	Semiconductors and related devices	1.9	-	1.5	-	.2	-	1.9	-	1.1	-	.2	-
3679	Electronic components, nec	3.3	-	2.4	-	.7	-	4.2	-	1.8	-	1.7	-
369	Misc. electrical equipment and supplies	2.2	-	1.2	-	.8	-	4.1	-	.9	-	2.3	-
3694	Engine electrical equipment	2.3	-	1.3	-	.9	-	4.5	-	.7	-	2.9	-
37	TRANSPORTATION EQUIPMENT	2.9	-	1.2	-	1.3	-	3.0	-	.7	-	1.5	-
371	Motor vehicles and equipment	2.6	-	.6	-	1.3	-	3.5	-	.5	-	2.0	-
3711	Motor vehicles and car bodies	2.0	-	.2	-	.6	-	3.5	-	.4	-	2.0	-
3713	Truck and bus bodies	4.1	-	2.7	-	1.4	-	4.5	-	1.3	-	2.4	-
3714	Motor vehicle parts and accessories	2.8	-	.6	-	1.9	-	3.2	-	.4	-	1.9	-
3715,6	Truck trailers and motor homes	5.0	-	2.3	-	2.6	-	4.7	-	1.6	-	2.5	-
372	Aircraft and parts	1.4	-	1.0	-	.2	-	1.8	-	.6	-	.6	-
3721	Aircraft	1.3	-	1.0	-	.2	-	1.4	-	.6	-	.4	-
3724	Aircraft engines and engine parts	1.0	-	.7	-	.1	-	1.6	-	.4	-	.5	-
3728	Aircraft equipment, nec	2.2	-	1.7	-	.4	-	3.1	-	1.0	-	1.3	-
373	Ship and boat building and repairing	5.6	-	2.8	-	2.7	-	5.5	-	1.6	-	2.7	-
3731	Ship building and repairing	5.6	-	2.4	-	3.1	-	5.1	-	1.4	-	2.7	-
3732	Boat building and repairing	5.5	-	4.2	-	1.2	-	6.8	-	2.7	-	2.8	-
374	Railroad equipment	3.5	-	.3	-	2.7	-	3.9	-	.3	-	2.5	-
376	Guided missiles, space vehicles, parts	2.0	-	1.8	-	.1	-	1.4	-	.5	-	.3	-
3761	Guided missiles and space vehicles	2.1	-	2.0	-	(1)	-	1.3	-	.5	-	.3	-
379	Miscellaneous transportation equipment	8.4	-	6.7	-	1.4	-	3.7	-	1.8	-	1.3	-
38	INSTRUMENTS AND RELATED PRODUCTS	2.2	2.0	1.7	1.5	.3	.4	2.3	2.1	1.1	1.0	.6	.5
381	Engineering and scientific instruments	2.3	-	1.9	-	.1	-	1.9	-	1.1	-	.3	-
382	Measuring and controlling devices	1.9	-	1.4	-	.3	-	2.0	-	1.1	-	.4	-
3822	Environmental controls	2.6	-	1.6	-	.9	-	2.6	-	1.0	-	.9	-
3823	Process control instruments	2.0	-	1.7	-	.1	-	2.1	-	1.1	-	.2	-
3825	Instruments to measure electricity	1.5	-	1.1	-	.1	-	1.6	-	1.0	-	.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P
	INSTRUMENTS AND RELATED PRODUCTS—Con'd												
383	Optical instruments and lenses	2.8	-	2.2	-	0.4	-	2.7	-	1.6	-	0.5	-
384	Medical instruments and supplies	2.7	-	2.0	-	.4	-	3.0	-	1.4	-	.8	-
3841	Surgical and medical instruments	2.8	-	2.2	-	.4	-	3.6	-	1.6	-	1.2	-
3842	Surgical appliances and supplies	2.5	-	1.8	-	.6	-	2.5	-	1.1	-	.6	-
385	Ophthalmic goods	3.0	-	1.7	-	.9	-	3.5	-	1.4	-	1.4	-
386	Photographic equipment and supplies	1.6	-	1.4	-	.1	-	1.7	-	.9	-	.4	-
387	Watches, clocks, and watchcases	3.6	-	1.7	-	1.4	-	4.5	-	1.0	-	2.5	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES												
391	Jewelry, silverware, and plated ware	5.4	4.2	2.1	2.4	3.0	1.6	5.8	4.0	1.5	1.3	3.2	1.9
393	Musical instruments	3.5	-	2.1	-	1.2	-	7.3	-	1.6	-	5.0	-
393	Musical instruments	2.2	-	1.8	-	.3	-	3.4	-	1.6	-	.7	-
394	Toys and sporting goods	11.0	-	2.1	-	8.3	-	6.5	-	1.7	-	3.4	-
3942,4	Dolls, games, toys, and children's vehicles	17.8	-	2.3	-	14.9	-	6.2	-	1.9	-	2.9	-
3949	Sporting and athletic goods, nec	5.1	-	1.9	-	2.6	-	6.7	-	1.4	-	3.8	-
395	Pens, pencils, office and art supplies	2.6	-	2.0	-	.4	-	3.4	-	1.2	-	1.2	-
396	Costume jewelry and notions	3.5	-	2.0	-	1.4	-	9.3	-	1.9	-	5.9	-
399	Miscellaneous manufactures	3.8	-	2.2	-	1.5	-	4.5	-	1.2	-	2.2	-
	NONDURABLE GOODS												
20	FOOD AND KINDRED PRODUCTS												
201	Meat products	4.6	3.8	2.4	2.1	2.0	1.5	6.0	4.6	1.9	1.6	3.3	2.2
2011	Meat packing plants	5.7	-	3.5	-	1.6	-	5.8	-	2.8	-	2.0	-
2013	Sausages and other prepared meats	3.8	-	1.4	-	1.7	-	4.5	-	1.2	-	2.6	-
2016	Poultry dressing plants	4.4	-	1.5	-	2.2	-	5.0	-	1.2	-	3.0	-
202	Dairy products	9.1	-	7.5	-	1.1	-	7.9	-	5.7	-	.9	-
203	Preserved fruits and vegetables	2.4	-	1.7	-	.6	-	3.8	-	1.5	-	1.6	-
204	Grain mill products	11.1	-	3.6	-	7.4	-	13.4	-	2.3	-	10.2	-
205	Bakery products	3.1	-	2.1	-	.8	-	4.1	-	1.3	-	1.9	-
2051	Bread, cake, and related products	2.2	-	1.4	-	.7	-	3.0	-	1.2	-	1.2	-
2052	Cookies and crackers	1.8	-	1.5	-	.3	-	2.9	-	1.3	-	1.0	-
206	Sugar and confectionery products	3.7	-	1.0	-	2.7	-	3.4	-	.8	-	2.1	-
207	Fats and oils	4.3	-	2.0	-	2.2	-	5.7	-	1.1	-	3.7	-
208	Beverages	2.3	-	1.8	-	.4	-	3.7	-	1.6	-	1.4	-
2082	Malt beverages	3.3	-	1.5	-	1.7	-	4.6	-	1.3	-	2.5	-
2086	Bottled and canned soft drinks	3.3	-	1.5	-	1.7	-	4.6	-	1.3	-	2.5	-
209	Misc. foods and kindred products	4.0	-	.6	-	3.2	-	7.1	-	.3	-	6.0	-
21	TOBACCO MANUFACTURES												
211	Cigarettes	2.4	-	2.0	-	.3	-	3.8	-	1.8	-	1.1	-
21	Cigarettes	3.3	-	1.9	-	.8	-	3.9	-	.6	-	2.2	-
211	Cigarettes	2.5	-	1.1	-	.5	-	1.3	-	.2	-	(1)	-
22	TEXTILE MILL PRODUCTS												
221	Weaving mills, cotton	3.3	3.0	2.3	2.1	.8	.6	3.4	3.0	1.6	1.5	1.0	.7
222	Weaving mills, synthetics	2.1	-	1.5	-	.2	-	2.8	-	1.4	-	.6	-
223	Weaving and finishing mills, wool	2.6	-	1.7	-	.7	-	2.5	-	1.4	-	.4	-
224	Narrow fabric mills	4.7	-	3.3	-	1.2	-	3.3	-	1.5	-	1.0	-
225	Knitting mills	4.5	-	3.3	-	.7	-	3.5	-	1.6	-	1.1	-
2251	Women's hosiery, except socks	4.1	-	2.6	-	1.3	-	3.9	-	1.9	-	1.2	-
2252	Hosiery, nec	2.0	-	1.6	-	.3	-	2.7	-	2.0	-	.1	-
2253	Knit outerwear mills	3.7	-	2.7	-	.8	-	3.1	-	2.0	-	.4	-
2254	Knit underwear mills	4.5	-	3.2	-	1.1	-	4.5	-	2.1	-	1.4	-
2257	Circular knit fabric mills	3.5	-	2.7	-	.7	-	3.5	-	1.9	-	.9	-
226	Textile finishing, except wool	5.2	-	2.6	-	2.5	-	4.4	-	1.7	-	1.5	-
227	Floor covering mills	3.0	-	2.5	-	.3	-	3.5	-	1.3	-	1.3	-
228	Yarn and thread mills	2.6	-	1.6	-	.8	-	3.0	-	1.1	-	1.1	-
229	Miscellaneous textile goods	4.2	-	3.2	-	.8	-	3.9	-	2.2	-	.8	-
23	APPAREL AND OTHER TEXTILE PRODUCTS												
231	Men's and boys' suits and coats	2.5	-	1.7	-	.6	-	4.0	-	1.0	-	2.4	-
232	Men's and boys' furnishings	2.9	4.8	2.2	2.8	.5	1.7	3.2	4.2	1.5	2.0	1.1	1.5
2321	Men's and boys' shirts and nightwear	4.3	-	2.8	-	1.2	-	5.6	-	2.8	-	2.1	-
2327	Men's and boys' separate trousers	3.3	-	2.4	-	.6	-	4.2	-	2.4	-	1.2	-
2328	Men's and boys' work clothing	3.9	-	3.3	-	.5	-	3.9	-	3.0	-	.3	-
233	Women's and misses' outerwear	4.7	-	3.2	-	1.3	-	6.0	-	3.3	-	2.2	-
234	Women's and children's undergarments	7.3	-	3.5	-	3.5	-	6.0	-	2.1	-	3.0	-
2341	Women's and children's underwear	6.1	-	3.1	-	2.7	-	4.8	-	2.6	-	1.7	-
2342	Brassieres and allied garments	6.2	-	3.0	-	3.1	-	5.0	-	2.7	-	1.8	-
236	Children's outerwear	5.5	-	3.9	-	1.4	-	4.1	-	2.2	-	1.2	-
238	Misc. apparel and accessories	6.5	-	3.5	-	2.8	-	5.4	-	2.4	-	2.5	-
239	Misc. fabricated textile products	5.5	-	2.9	-	2.3	-	5.6	-	2.0	-	2.7	-
26	PAPER AND ALLIED PRODUCTS												
261,2,6	Paper and pulp mills	5.0	-	2.5	-	2.1	-	5.4	-	2.1	-	2.5	-
262	Paper mills, except building paper	2.6	2.1	1.3	1.3	1.0	.7	2.7	2.5	.8	.7	1.2	1.2
	Paper and pulp mills	1.4	-	.5	-	.6	-	2.1	-	.5	-	1.0	-
	Paper mills, except building paper	1.2	-	.6	-	.4	-	2.0	-	.5	-	.9	-

See footnotes at end of table.

ESTABLISHMENT DATA LABOR TURNOVER

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

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P	Jan. 1981	Feb. 1981P
	PAPER AND ALLIED PRODUCTS—Continued												
263	Paperboard mills	0.8	-	0.6	-	0.1	-	1.5	-	0.5	-	0.5	-
264	Misc. converted paper products	3.8	-	1.9	-	1.5	-	3.2	-	1.2	-	1.2	-
265	Paperboard containers and boxes	3.0	-	1.6	-	1.2	-	3.3	-	1.0	-	1.6	-
2651	Folding paperboard boxes	2.4	-	1.6	-	.7	-	3.2	-	1.0	-	1.7	-
2653	Corrugated and solid fiber boxes	2.4	-	1.4	-	.8	-	2.2	-	.9	-	.6	-
27	PRINTING AND PUBLISHING	3.2	2.9	2.4	2.3	.6	.5	3.2	2.6	1.7	1.4	.8	.6
271	Newspapers	3.3	-	2.7	-	.1	-	3.3	-	2.5	-	.2	-
272	Periodicals	4.0	-	3.4	-	.6	-	2.4	-	1.6	-	.2	-
273	Books	3.5	-	2.5	-	.9	-	3.7	-	1.7	-	1.2	-
274	Miscellaneous publishing	2.5	-	2.2	-	.2	-	3.4	-	1.4	-	.3	-
275	Commercial printing	3.1	-	1.9	-	1.0	-	2.9	-	1.1	-	1.1	-
2751	Commercial printing, letterpress	3.3	-	1.8	-	1.2	-	2.5	-	1.0	-	1.1	-
2752	Commercial printing, lithographic	2.9	-	2.1	-	.8	-	3.2	-	1.2	-	1.2	-
278	Blankbooks and bookbinding	3.7	-	2.6	-	1.0	-	3.9	-	1.5	-	1.8	-
28	CHEMICALS AND ALLIED PRODUCTS	1.8	1.5	1.2	1.1	.4	.3	1.7	1.3	.7	.5	.4	.3
281	Industrial inorganic chemicals	1.4	-	.9	-	.3	-	1.0	-	.4	-	.1	-
2819	Industrial inorganic chemicals, nec	1.3	-	.9	-	.3	-	.9	-	.4	-	.1	-
282	Plastics materials and synthetics	1.3	-	.8	-	.3	-	1.5	-	.4	-	.3	-
2821	Plastics materials and resins	1.5	-	1.1	-	.3	-	1.7	-	.6	-	.3	-
2824	Organic fibers, noncellulosic	.9	-	.5	-	.1	-	1.2	-	.4	-	.2	-
283	Drugs	1.9	-	1.6	-	.2	-	1.5	-	.8	-	.2	-
2834	Pharmaceutical preparations	1.6	-	1.4	-	.2	-	1.4	-	.7	-	.2	-
284	Soap, cleaners, and toilet goods	2.7	-	1.6	-	.9	-	2.3	-	1.0	-	.5	-
2841	Soap and other detergents	2.0	-	.7	-	1.2	-	1.7	-	.7	-	.5	-
2844	Toilet preparations	3.1	-	1.9	-	.7	-	2.5	-	1.2	-	.4	-
285	Paints and allied products	2.6	-	1.6	-	.6	-	2.2	-	.9	-	.5	-
286	Industrial organic chemicals	1.1	-	.9	-	.2	-	1.4	-	.5	-	.2	-
287	Agricultural chemicals	3.4	-	1.9	-	1.3	-	1.6	-	.8	-	.3	-
289	Miscellaneous chemical products	2.1	-	1.5	-	.4	-	2.8	-	.9	-	1.1	-
29	PETROLEUM AND COAL PRODUCTS	2.1	1.9	1.7	1.6	.3	.2	1.8	1.7	.6	.5	.7	.6
291	Petroleum refining	1.8	-	1.6	-	.1	-	1.3	-	.4	-	.4	-
295	Paving and roofing materials	2.9	-	1.5	-	1.3	-	4.5	-	1.2	-	2.5	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	4.2	3.6	2.4	2.1	1.5	1.3	4.0	3.7	1.4	1.2	1.7	1.5
301	Tires and inner tubes	1.7	-	.5	-	.8	-	1.8	-	.4	-	.7	-
302	Rubber and plastics footwear	7.2	-	3.3	-	2.9	-	6.3	-	2.4	-	2.8	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting	2.8	-	1.2	-	1.5	-	4.2	-	.7	-	2.7	-
306	Fabricated rubber products, nec	3.5	-	1.5	-	1.5	-	3.6	-	1.1	-	1.6	-
307	Miscellaneous plastics products	4.9	-	3.0	-	1.6	-	4.5	-	1.7	-	1.8	-
31	LEATHER AND LEATHER PRODUCTS	6.8	5.0	3.6	3.3	3.0	1.5	5.8	5.1	2.6	2.4	2.3	1.9
311	Leather tanning and finishing	4.3	-	2.3	-	1.9	-	4.3	-	1.4	-	2.1	-
314	Footwear, except rubber	5.8	-	3.8	-	1.7	-	5.1	-	2.6	-	1.3	-
3143	Men's footwear, except athletic	4.7	-	4.1	-	.3	-	4.0	-	2.7	-	.4	-
3144	Women's footwear, except athletic	4.5	-	3.1	-	1.3	-	5.8	-	2.4	-	2.3	-
	NONMANUFACTURING:												
-	MINING	5.4	4.4	3.9	3.6	1.0	.6	4.5	4.2	2.8	2.9	.7	.5
10	METAL MINING	3.7	1.4	1.2	.8	2.1	.4	2.7	1.3	.8	.5	.9	.3
101	Iron ores	10.8	-	.6	-	9.1	-	4.5	-	.2	-	2.8	-
102	Copper ores	3.2	-	2.2	-	.6	-	3.0	-	1.2	-	.2	-
12	BITUMINOUS COAL AND LIGNITE MINING	2.0	1.3	.9	.9	.9	.2	1.4	1.3	.5	.5	.3	.3
13	OIL AND GAS EXTRACTION	7.7	6.7	6.3	5.8	.7	.6	6.1	6.2	4.5	4.7	.3	.4
131,2	Crude petroleum, natural gas, and natural gas liquids	2.8	-	2.1	-	.2	-	2.2	-	1.2	-	.3	-
138	Oil and gas field services	10.8	-	8.9	-	1.0	-	8.5	-	6.7	-	.3	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	3.0	2.7	1.1	1.3	1.6	1.4	5.3	3.0	.9	.8	3.7	1.8
142	Crushed and broken stone	3.9	-	.7	-	3.1	-	7.6	-	.9	-	5.8	-
144	Sand and gravel	3.0	-	1.2	-	1.5	-	7.5	-	.8	-	6.1	-
-	COMMUNICATION:												
481	Telephone communication	.9	-	.7	-	(1)	-	.6	-	.3	-	.1	-

¹ Less than 0.05.

p=preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED LABOR TURNOVER

D-3. Labor turnover rates in manufacturing, 1971 to date, seasonally adjusted

[Per 100 employees]

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions												
1971.....	3.8	3.7	3.7	3.8	3.8	3.8	3.8	4.0	4.0	3.9	4.0	4.2
1972.....	4.3	4.3	4.4	4.4	4.4	4.3	4.3	4.5	4.5	4.6	4.7	4.9
1973.....	5.0	5.2	5.1	4.9	4.8	4.7	4.6	4.6	4.8	4.8	5.0	4.7
1974.....	4.7	4.6	4.5	4.6	4.5	4.3	4.3	4.1	4.0	3.8	3.3	3.1
1975.....	3.0	3.2	3.2	3.6	3.7	3.8	4.0	4.0	3.9	3.8	3.8	3.8
1976.....	4.2	4.1	4.2	4.0	4.0	3.8	3.9	3.8	3.7	3.7	3.8	3.9
1977.....	4.0	4.4	4.0	4.0	4.0	4.0	4.0	3.9	3.9	4.0	4.1	4.4
1978.....	4.1	3.9	4.0	4.2	4.0	4.0	4.0	4.1	4.2	4.3	4.3	4.4
1979.....	4.2	4.1	4.0	4.0	4.0	4.0	3.9	3.9	3.9	4.1	4.0	3.9
1980.....	3.9	3.9	3.6	3.0	3.0	3.3	3.4	3.6	3.8	3.8	3.6	3.6
1981.....	3.5	P3.6										
New hires												
1971.....	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.5	2.7	2.9
1972.....	3.0	3.1	3.2	3.2	3.3	3.2	3.2	3.3	3.4	3.6	3.7	4.0
1973.....	4.0	4.2	4.1	4.0	4.0	3.8	3.7	3.7	3.8	3.9	4.1	3.8
1974.....	3.8	3.7	3.6	3.5	3.5	3.3	3.3	3.1	3.0	2.7	2.3	1.9
1975.....	1.6	1.6	1.5	1.7	1.8	1.9	2.3	2.3	2.4	2.3	2.4	2.5
1976.....	2.6	2.7	2.9	2.8	2.7	2.7	2.7	2.6	2.5	2.4	2.5	2.6
1977.....	2.7	2.8	2.8	2.9	3.0	2.8	2.8	2.8	2.8	2.9	2.9	3.2
1978.....	3.0	2.9	3.0	3.1	3.0	3.0	3.0	3.1	3.2	3.3	3.4	3.4
1979.....	3.2	3.2	3.1	3.0	3.0	3.0	2.8	2.8	2.8	2.9	2.9	2.9
1980.....	2.8	2.8	2.5	2.1	1.8	1.8	1.9	1.9	2.1	2.1	2.1	2.2
1981.....	2.2	P2.3										
Total separations												
1971.....	4.3	4.1	4.0	4.1	4.2	4.1	4.2	4.6	4.3	4.1	4.1	4.1
1972.....	4.2	4.1	4.2	4.2	4.2	4.5	4.5	4.2	4.3	4.1	4.3	4.4
1973.....	4.6	4.7	4.8	4.6	4.6	4.7	4.9	4.6	4.5	4.7	4.8	4.8
1974.....	5.1	5.0	4.9	4.7	4.6	4.5	4.5	4.8	4.4	4.8	5.2	4.9
1975.....	5.2	5.1	4.6	4.6	4.6	4.3	4.0	3.9	3.8	3.8	3.8	3.5
1976.....	3.6	3.6	3.8	3.9	3.7	3.9	3.9	4.0	3.9	3.8	3.6	3.6
1977.....	3.9	4.1	3.8	3.7	3.8	3.7	3.9	3.9	3.9	3.7	3.8	3.9
1978.....	3.8	3.8	3.8	4.0	3.9	3.9	3.9	3.8	3.8	4.0	4.0	4.1
1979.....	4.0	4.0	3.9	4.1	4.0	4.1	3.9	4.3	3.9	4.0	4.1	4.0
1980.....	4.1	4.0	4.3	5.3	5.7	5.1	3.8	3.9	3.5	3.4	3.3	3.3
1981.....	3.6	P3.8										
Quits												
1971.....	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9
1972.....	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.5	2.6
1973.....	2.8	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.9	2.9	2.7
1974.....	2.7	2.8	2.7	2.6	2.6	2.5	2.5	2.4	2.2	2.0	1.8	1.7
1975.....	1.4	1.3	1.2	1.2	1.3	1.4	1.4	1.5	1.4	1.5	1.6	1.5
1976.....	1.6	1.7	1.8	1.8	1.7	1.7	1.8	1.7	1.7	1.6	1.5	1.6
1977.....	1.8	1.8	1.8	1.8	1.9	1.8	1.8	1.9	1.9	1.9	1.9	2.0
1978.....	1.9	1.9	2.0	2.1	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2
1979.....	2.2	2.2	2.1	2.1	2.0	2.0	1.9	2.0	1.9	2.0	2.0	1.9
1980.....	1.9	1.9	1.9	1.5	1.4	1.4	1.3	1.3	1.3	1.3	1.4	1.5
1981.....	1.5	P1.5										
Layoffs												
1971.....	1.7	1.5	1.5	1.5	1.6	1.5	1.5	2.0	1.7	1.5	1.4	1.3
1972.....	1.2	1.2	1.1	1.2	1.2	1.4	1.4	1.1	1.0	1.0	.9	.9
1973.....	.9	.8	.9	.8	.9	.9	.9	1.0	.9	.8	1.0	1.1
1974.....	1.4	1.3	1.2	1.1	1.1	1.1	1.1	1.4	1.3	1.8	2.5	2.5
1975.....	2.9	3.0	2.7	2.6	2.5	2.2	1.7	1.6	1.7	1.5	1.5	1.3
1976.....	1.2	1.0	1.2	1.3	1.2	1.3	1.3	1.4	1.4	1.4	1.3	1.2
1977.....	1.3	1.5	1.2	1.1	1.1	1.1	1.2	1.2	1.1	1.0	1.0	1.0
1978.....	1.0	1.0	1.0	1.0	1.0	.9	.9	.9	.8	.9	.9	1.0
1979.....	.9	.9	.9	1.1	1.0	1.2	1.1	1.4	1.2	1.2	1.3	1.2
1980.....	1.3	1.3	1.5	2.9	3.5	2.9	1.7	1.9	1.5	1.4	1.2	1.1
1981.....	1.3	P1.4										

p=preliminary.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

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

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Dec. 1980	Jan. 1981 ^p	Dec. 1980	Jan. 1981 ^p	Dec. 1980	Jan. 1981 ^p	Dec. 1980	Jan. 1981 ^p	Dec. 1980	Jan. 1981 ^p	Dec. 1980	Jan. 1981 ^p
ALABAMA:												
Birmingham	2.5	3.2	0.6	1.0	1.8	2.1	3.0	2.0	0.5	0.7	2.2	0.7
Mobile	6.0	8.4	.5	1.4	5.5	7.0	7.3	7.6	.8	1.3	6.0	5.7
ALASKA	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
ARIZONA	2.4	3.1	1.8	2.5	.4	.5	2.6	3.9	1.3	1.6	.6	1.2
Phoenix	2.4	3.4	1.8	2.7	.5	.5	2.4	3.3	1.2	1.6	.4	.6
ARKANSAS	3.4	4.5	2.0	2.9	1.1	1.1	4.3	4.7	1.5	2.2	2.1	1.5
Fort Smith	3.0	3.3	1.5	1.5	1.1	1.1	3.0	4.7	1.4	1.7	1.0	1.8
Little Rock—North Little Rock	1.9	2.5	1.2	1.7	.4	.5	3.3	3.7	.9	1.1	1.9	1.7
Pine Bluff	2.3	2.2	1.5	1.5	.7	.3	1.9	3.3	.9	1.0	.4	1.4
CALIFORNIA	2.4	3.5	1.6	2.4	.6	.9	3.6	4.6	1.2	1.6	1.7	2.0
COLORADO	2.2	2.6	1.8	2.1	.4	.3	2.7	2.7	1.3	1.5	.9	.7
Denver—Boulder	2.2	2.8	1.9	2.4	.2	.3	2.2	2.3	1.2	1.4	.7	.4
CONNECTICUT	1.4	2.2	1.0	1.4	.4	.6	1.7	2.2	.6	1.0	.6	.5
Hartford	1.0	1.7	.7	1.1	.2	.4	1.6	1.7	.6	.8	.5	.4
DELAWARE	1.9	8.4	1.1	1.1	.4	6.9	8.6	4.5	.6	.9	7.4	2.1
Wilmington	1.1	8.2	.5	.7	.3	7.2	8.6	4.1	.3	.4	7.8	2.2
FLORIDA	3.6	4.8	2.9	4.2	.5	.5	3.7	4.6	2.0	2.6	1.0	1.0
Fort Lauderdale—Hollywood	3.7	4.9	3.0	4.7	.6	.2	3.0	4.3	2.0	2.8	.3	.4
Jacksonville	3.0	5.3	1.8	3.5	.9	1.8	4.3	4.4	1.3	1.5	2.4	1.4
Miami	3.6	5.5	3.0	4.7	.5	.6	3.7	4.1	2.3	2.4	.7	.9
Orlando	4.7	5.5	4.1	5.0	.5	.4	3.1	3.5	1.6	2.1	.8	.4
Pensacola	1.4	1.3	1.2	1.2	(¹)	(¹)	.9	1.6	.6	.9	(¹)	(¹)
Tampa—St. Petersburg	3.9	5.2	3.2	4.5	.7	.6	4.3	5.6	2.6	3.5	.8	1.2
West Palm Beach—Boca Raton	2.6	3.8	2.4	3.5	.2	.2	2.6	3.8	1.6	2.4	.2	.7
GEORGIA	1.8	3.1	1.3	2.2	.3	.5	2.1	3.0	1.0	1.7	.5	.6
Atlanta	1.5	2.1	1.0	1.4	.4	.5	1.6	2.1	.7	.9	.4	.6
HAWAII ³	3.7	3.6	1.1	1.6	1.3	1.0	3.5	4.8	.6	.7	2.4	3.4
IDAHO ⁴	1.5	5.5	1.0	1.4	.4	3.9	5.5	4.5	.9	1.2	3.8	2.5
ILLINOIS:												
Chicago SMSA	1.7	2.5	1.0	1.4	.5	.8	2.1	3.1	.6	.9	.8	1.2
Davenport—Rock Island—Moline	1.1	2.0	.4	.5	.6	1.3	1.9	2.5	.3	.7	1.2	1.1
Decatur	1.0	2.4	.3	.2	.7	1.9	1.2	3.8	.1	.3	.6	1.8
Peoria	1.4	3.2	.3	.7	.8	2.3	1.5	3.4	.2	1.5	1.2	1.0
Rockford .....	.8	9.1	.5	.7	.2	8.2	11.3	2.9	.3	.7	10.7	1.6
INDIANA ⁵	2.0	3.0	.7	1.0	.9	1.5	3.0	3.4	.4	.6	2.0	2.0
Indianapolis	1.7	3.0	.7	1.4	.6	1.1	4.7	3.0	.8	.7	3.1	1.0
IOWA	1.4	2.6	.5	.9	.7	1.4	3.4	4.1	.4	.7	2.4	2.9
Cedar Rapids	1.1	1.5	.2	.4	.6	.8	1.7	1.7	.3	.4	1.0	.7
Des Moines	2.5	1.9	.3	.6	1.4	.9	1.7	3.1	.3	.6	.3	1.8
KANSAS	2.5	4.2	1.7	2.8	.6	1.2	2.5	3.6	1.2	1.8	.8	.9
Topeka	3.6	2.3	1.6	1.8	1.9	.4	2.7	2.8	.9	1.1	1.2	.8
Wichita	1.6	3.4	1.4	2.8	.1	.3	2.2	3.4	1.1	1.7	.3	.7
KENTUCKY	3.3	4.4	1.1	1.4	1.8	2.5	3.5	3.6	.7	.9	2.3	1.8
Lexington—Fayette	2.2	2.0	.9	1.4	1.2	.4	1.4	2.9	.4	1.4	.8	.9
Louisville	3.2	4.4	.6	.6	1.7	3.1	3.7	2.5	.3	.4	2.4	1.0
LOUISIANA:												
New Orleans	2.8	3.9	2.4	3.2	.3	.5	3.4	4.1	1.5	2.2	.9	.7
MAINE	2.8	3.8	1.6	2.4	.8	1.2	4.9	4.5	1.2	1.5	3.1	2.3
Portland	2.4	2.6	1.9	2.0	.3	.4	1.9	2.7	.9	1.2	.5	.5
MARYLAND	1.9	3.3	.8	1.6	.9	1.4	3.0	3.5	.6	.9	1.8	1.7
Baltimore	1.9	3.4	.7	1.4	1.1	1.5	2.9	3.3	.5	.7	1.9	1.7
MASSACHUSETTS	2.2	3.5	1.3	1.8	.6	1.4	2.9	3.5	.9	1.3	1.5	1.4
Boston	2.2	3.2	1.6	1.9	.4	1.0	2.7	3.9	.8	1.5	1.2	1.7

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**

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

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Dec. 1980	Jan. 1981 ^P	Dec. 1980	Jan. 1981 ^P	Dec. 1980	Jan. 1981 ^P	Dec. 1980	Jan. 1981 ^P	Dec. 1980	Jan. 1981 ^P	Dec. 1980	Jan. 1981 ^P
MICHIGAN	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Detroit .....	.9	1.8	.1	.4	.2	.7	.6	2.4	.1	.4	.4	1.4
Flint	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Grand Rapids	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Lansing—East Lansing	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
MINNESOTA	1.7	3.3	1.2	1.6	.4	1.5	3.5	3.1	.9	1.1	2.1	1.4
Minneapolis—St. Paul	1.5	2.8	1.1	1.6	.3	1.1	2.6	2.4	.8	1.0	1.5	.9
MISSISSIPPI:												
Jackson	2.9	2.9	1.3	1.6	1.5	1.2	3.1	4.6	1.3	1.6	1.4	2.3
MISSOURI	1.9	3.0	1.0	1.5	.8	1.2	2.6	3.0	.7	1.1	1.4	1.3
Kansas City	1.8	2.4	.9	1.6	.8	.8	1.9	2.6	.8	1.1	.7	.9
St. Louis	1.4	2.1	.6	1.0	.7	1.0	2.2	2.7	.4	.6	1.3	1.4
MONTANA	1.6	1.6	1.3	1.4	.3	.1	2.7	4.5	2.0	1.4	.3	2.5
NEBRASKA	1.9	3.1	1.6	2.2	.3	.5	2.2	3.4	1.0	1.6	.7	1.3
NEVADA	3.5	4.4	3.1	4.0	.4	.3	4.7	4.4	2.8	3.1	1.1	.3
NEW HAMPSHIRE	2.5	3.7	1.8	2.6	.6	.8	3.6	3.8	1.4	1.9	1.6	1.1
NEW JERSEY:												
Camden ⁷	2.0	3.9	.9	1.8	.9	1.8	2.4	4.6	.4	1.0	1.4	2.6
Hackensack	2.3	4.2	1.7	2.5	.5	1.5	4.2	3.8	1.1	1.3	2.0	1.5
Jersey City	2.0	2.4	1.1	1.2	.9	1.1	4.5	4.8	.6	.7	3.0	2.4
New Brunswick—Perth Amboy—Sayreville	1.8	3.7	1.5	2.1	.3	1.3	3.1	3.5	.9	1.2	1.4	1.3
Newark	1.7	2.8	1.2	1.8	.4	.8	2.4	3.1	.7	1.1	1.1	1.1
Paterson—Clifton—Passaic	1.9	4.6	1.1	2.5	.6	1.9	2.8	4.9	.6	.9	1.8	3.1
Trenton	3.1	3.0	1.0	1.5	2.0	1.2	2.6	3.4	.6	.7	1.6	2.0
NEW MEXICO	2.6	3.0	2.4	2.4	.2	.4	2.5	3.8	1.3	2.0	.5	1.0
NEW YORK	2.3	3.3	1.2	1.7	1.0	1.4	3.6	3.8	.6	1.0	2.3	2.0
Albany—Schenectady—Troy	1.9	1.8	.8	.8	.5	.4	2.6	4.3	.3	.5	1.5	2.4
Binghamton	1.4	1.9	1.0	1.1	.3	.7	1.5	2.1	.5	.5	.5	.8
Buffalo	1.8	2.3	.5	.6	1.2	1.5	3.3	3.6	.2	.4	2.5	2.1
Elmira	1.4	2.4	1.0	1.0	.3	1.2	1.3	1.3	.2	.5	.7	.3
Monroe County ⁸	1.3	1.8	.9	1.1	.2	.6	1.2	1.6	.3	.7	.5	.4
Nassau—Suffolk ⁹	2.5	3.4	2.0	2.9	.5	.4	2.7	3.8	1.2	1.8	.8	1.3
New York and Nassau—Suffolk	2.8	4.1	1.5	2.5	1.2	1.6	4.5	4.4	.8	1.3	3.0	2.3
New York SMSA ⁹	2.9	4.3	1.4	2.4	1.4	1.9	5.0	4.6	.7	1.2	3.6	2.6
New York City ¹⁰	3.1	4.6	1.4	2.4	1.6	2.1	5.5	5.0	.7	1.2	4.0	2.9
Rochester	1.4	2.1	1.0	1.2	.4	.8	1.8	2.1	.4	.7	1.1	.7
Syracuse	2.0	2.2	.7	1.2	1.0	.8	2.1	2.9	.5	.9	1.2	1.2
Utica—Rome	1.6	3.0	.9	1.3	.6	1.6	2.9	3.0	.5	.9	1.9	1.3
Westchester County ¹⁰	1.7	2.9	1.0	2.0	.4	.8	2.6	2.3	.7	1.0	1.5	.7
NORTH CAROLINA	1.8	3.4	1.3	2.3	.3	.9	2.7	3.6	1.1	1.8	1.0	1.0
Charlotte—Gastonia	1.9	3.7	1.6	3.2	.2	.3	2.2	4.7	1.3	2.5	.2	1.3
Greensboro—Winston-Salem—High Point	1.6	3.8	1.2	2.5	.1	1.0	3.3	2.7	1.1	1.6	1.8	.4
NORTH DAKOTA	4.5	7.0	1.5	2.8	2.7	3.8	7.5	4.3	1.5	1.6	5.5	2.1
Fargo—Moorhead	2.7	3.8	1.2	2.9	1.0	.1	13.4	12.0	.9	1.2	11.8	10.2
OHIO	1.7	2.7	.5	.7	(*)	(*)	2.4	3.4	.3	.5	1.6	2.1
Akron	1.0	2.1	.3	.8	(*)	(*)	1.2	1.9	.2	.6	.8	.8
Canton	2.1	3.3	.6	.6	(*)	(*)	2.2	2.2	.3	.4	1.2	.8
Cincinnati	1.4	2.0	.6	.9	(*)	(*)	2.1	1.9	.4	.5	1.2	.7
Cleveland	1.8	2.3	.6	.8	(*)	(*)	1.6	3.3	.4	.6	.7	1.6
Columbus	1.2	1.9	.6	.9	(*)	(*)	2.0	2.6	.4	.7	1.1	1.4
Dayton	1.0	2.2	.6	.8	(*)	(*)	1.3	2.1	.4	.6	.4	.7
Toledo	2.0	2.3	.3	.6	(*)	(*)	2.5	3.3	.3	.3	1.5	2.3
Youngstown—Warren	1.9	2.6	.3	.3	(*)	(*)	7.8	2.5	.2	.3	6.9	1.2
OKLAHOMA	3.2	5.2	2.6	4.3	.5	.8	3.5	4.3	2.1	2.9	.7	.6
Oklahoma City	2.8	4.2	2.2	3.5	.5	.6	2.9	4.0	1.8	2.6	.4	.6
Tulsa ¹¹	3.0	4.8	2.4	3.7	.4	1.0	3.7	3.9	1.9	2.5	1.1	.5
OREGON ⁵	2.3	3.4	1.4	1.6	.8	1.6	4.1	3.9	.8	1.1	2.6	2.1
Eugene—Springfield ⁵	2.3	3.4	1.2	1.6	.7	1.4	3.7	3.8	.6	.7	2.7	1.7
Portland	2.5	3.0	1.6	1.6	.8	1.3	3.2	3.2	.9	1.1	1.6	1.6

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

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

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Dec. 1980	Jan. 1981 ^p	Dec. 1980	Jan. 1981 ^p	Dec. 1980	Jan. 1981 ^p	Dec. 1980	Jan. 1981 ^p	Dec. 1980	Jan. 1981 ^p	Dec. 1980	Jan. 1981 ^p
PENNSYLVANIA	2.1	3.3	0.7	1.2	1.2	1.9	3.2	3.3	0.5	0.7	2.2	1.9
Allentown—Bethlehem—Easton	1.7	2.8	.7	1.2	.8	1.4	2.6	3.6	.4	.7	1.8	2.0
Altoona	1.7	2.3	.3	.8	1.4	1.5	3.3	3.1	.3	1.0	2.7	1.6
Erie	2.1	4.3	.9	1.9	.7	2.3	2.8	2.6	.4	1.1	1.6	1.0
Harrisburgh	2.3	2.4	1.0	1.2	1.0	1.0	2.2	2.4	.5	.8	1.3	1.0
Johnstown	2.1	4.0	.5	.7	1.6	3.2	3.2	3.5	.3	.6	2.4	1.8
Lancaster	1.6	2.4	.9	1.5	.6	.6	2.1	2.4	.7	1.0	.8	.7
Northeast Pennsylvania	2.7	5.2	.9	1.6	1.6	3.4	4.5	3.2	.6	.9	3.5	1.9
Philadelphia SMSA	1.8	2.5	.9	1.3	.7	1.0	2.5	3.1	.6	.8	1.3	1.5
Pittsburgh	2.5	3.9	.3	.7	1.9	2.8	3.7	2.7	.2	.3	2.9	1.6
Reading	1.8	3.0	1.0	1.6	.7	1.4	2.9	3.3	.5	1.0	1.9	1.5
Scranton	2.2	2.9	1.0	1.5	1.2	1.3	4.1	2.9	1.0	1.2	2.9	1.4
Wilkes-Barre—Hazleton	2.4	3.1	.6	.8	1.6	2.0	5.1	2.9	.4	.7	4.4	1.9
Williamsport	1.0	1.2	.3	.5	.6	.6	1.9	2.9	.4	.3	1.2	2.1
York	1.6	3.5	1.0	1.6	.5	1.8	3.3	4.5	.7	.8	2.3	3.1
RHODE ISLAND	2.4	5.9	1.6	2.1	.6	3.0	5.8	6.1	1.4	1.6	3.6	3.3
Providence—Warwick—Pawtucket	2.5	6.1	1.6	2.1	.6	3.2	5.7	6.0	1.4	1.6	3.6	3.2
SOUTH CAROLINA	1.8	2.6	1.2	1.9	.4	.5	2.7	3.3	1.1	1.4	1.0	1.0
Charleston—North Charleston	2.7	2.0	2.0	1.5	.5	.2	3.9	4.1	1.5	1.4	1.4	1.6
Columbia	1.8	2.3	1.5	2.0	.2	.1	3.7	2.8	1.0	1.6	2.3	.3
Greenville—Spartanburg	1.8	2.8	1.4	2.3	.2	.3	2.5	3.5	1.3	1.7	.5	.9
SOUTH DAKOTA .....	.9	2.6	.5	1.2	.3	1.1	2.7	2.7	1.1	1.1	1.4	1.1
Sioux Falls	1.3	2.2	.7	1.1	.5	1.1	2.3	3.3	.6	.8	1.6	2.3
TENNESSEE:												
Memphis	1.4	3.1	.9	1.1	.4	1.8	3.3	2.7	.7	.9	2.1	1.1
TEXAS:												
Dallas—Fort Worth	2.3	3.4	2.0	3.0	.3	.4	2.9	3.7	1.9	2.4	.4	.5
Houston	2.3	3.9	2.1	3.6	.1	.2	3.0	3.5	1.9	2.4	.3	.2
San Antonio	2.5	3.6	2.0	3.2	.3	.3	3.1	3.7	1.7	2.7	.5	.4
UTAH ⁴	2.5	3.8	2.1	2.9	.3	.8	3.4	4.6	1.4	2.3	1.4	1.2
Salt Lake City—Ogden	2.5	3.2	2.2	2.9	.2	.3	2.8	4.6	1.4	2.3	.8	1.2
VERMONT	2.3	3.9	1.1	2.2	.8	1.5	3.1	3.3	.9	1.0	1.8	1.5
Burlington	1.2	2.8	1.0	2.4	(¹)	.1	1.2	2.6	.6	.8	.4	1.3
Springfield	2.3	1.7	1.3	1.1	.9	.4	2.2	1.7	.9	.4	.6	.7
VIRGINIA	2.2	3.1	1.2	1.8	.8	1.1	2.6	2.7	.8	1.2	1.1	.8
Richmond	1.2	1.7	.6	.9	.1	.2	1.5	1.9	.4	.6	.4	.3
WASHINGTON:												
Seattle—Everett ¹³	1.2	2.1	.7	1.3	.4	.7	2.1	2.4	.6	.8	1.2	1.1
WEST VIRGINIA	1.7	2.0	.6	.9	1.0	1.0	4.7	4.0	.4	.9	2.9	2.4
WISCONSIN	1.7	3.3	.6	1.0	.8	2.0	2.8	3.2	.4	.7	1.9	1.7
Milwaukee	1.6	2.5	.6	.9	.6	1.2	2.0	3.0	.3	.7	1.1	1.5
WYOMING	3.9	6.1	3.1	5.6	.8	.5	5.0	6.6	2.7	2.7	1.6	3.1

¹ Less than 0.05.
² Excludes agricultural chemicals, and miscellaneous manufacturing.
³ Excludes canned fruits, vegetables, preserves, jams, and jellies.
⁴ Excludes canning and preserving, and sugar.
⁵ Excludes canning and preserving.
⁶ Excludes canning and preserving, and newspapers.
⁷ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.
⁸ Subarea of Rochester Standard Metropolitan Statistical Area.
⁹ Area included in New York and Nassau-Suffolk combined SMSA's.
¹⁰ Subarea of New York Standard Metropolitan Statistical Area.

¹¹ Excludes new-hire rates for transportation equipment.
¹² Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.
¹³ Excludes canning and preserving, printing and publishing.
p=preliminary.
* Not available.

SOURCE: Cooperating State agencies listed on inside back cover except for data for the States of California, New Mexico, and West Virginia which are collected and calculated by the Bureau of Labor Statistics (Washington Office).

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P
ALABAMA	1,614.2	1,632.4	1,638.4	126.5	152.0	154.4	7.8	9.3	9.4
Birmingham	367.0	378.4	377.0	25.9	35.5	34.2	7.1	9.4	9.1
Huntsville	135.3	136.4	136.3	11.0	14.0	13.9	8.2	10.3	10.2
Mobile	180.4	182.3	182.9	13.0	14.3	14.7	7.2	7.8	8.1
Montgomery	120.6	119.2	119.7	7.2	9.5	9.3	6.0	7.9	7.8
Tuscaloosa	52.0	52.9	53.0	3.3	4.7	4.7	6.4	8.9	8.9
ALASKA ³	174.2	177.2	181.3	19.4	19.5	19.7	11.1	11.0	10.9
ARIZONA	1,111.3	1,131.1	1,135.8	65.4	72.9	72.7	5.9	6.4	6.4
Phoenix	678.3	688.4	691.1	35.1	38.4	37.1	5.2	5.6	5.4
Tucson	202.0	208.1	208.3	9.9	11.2	11.3	4.9	5.4	5.4
ARKANSAS ³	943.6	936.2	950.8	74.3	83.9	89.2	7.9	9.0	9.4
Fayetteville-Springdale	74.4	75.7	76.0	4.5	4.5	4.8	6.0	6.0	6.3
Fort Smith ¹	82.7	82.6	82.7	6.8	7.7	7.9	8.3	9.4	9.6
Little Rock—North Little Rock	182.4	183.4	185.1	8.9	11.8	13.0	4.9	6.4	7.0
Pine Bluff	38.0	38.4	38.6	2.5	3.4	3.7	6.5	8.7	9.5
CALIFORNIA ²	11,042.0	11,313.9	11,292.3	745.0	893.2	908.0	6.8	7.9	8.0
Anaheim—Santa Ana—Garden Grove	1,073.6	1,127.1	1,129.1	47.4	57.0	51.8	4.4	5.1	4.6
Bakersfield	173.4	185.6	185.9	15.7	18.1	18.4	9.1	9.8	9.9
Fresno	252.4	267.2	266.0	26.0	32.4	33.0	10.3	12.1	12.4
Los Angeles—Long Beach ²	3,584.0	3,520.0	3,504.0	198.0	221.0	261.0	5.5	6.3	7.4
Modesto	121.1	126.9	129.4	18.7	20.9	22.8	15.4	16.5	17.6
Oxnard—Simi Valley—Ventura	227.9	237.0	235.9	17.4	20.0	18.6	7.7	8.4	7.9
Riverside—San Bernardino—Ontario	570.9	597.0	594.9	40.0	53.4	50.6	7.0	8.9	8.5
Sacramento	458.2	482.0	483.1	38.0	49.4	47.3	8.3	10.2	9.8
Salinas—Seaside—Monterey	123.4	128.4	129.1	15.6	19.4	18.1	12.6	15.1	14.0
San Diego	748.3	781.2	779.3	47.3	60.2	57.3	6.3	7.7	7.3
San Francisco—Oakland	1,597.8	1,657.0	1,652.1	87.4	109.8	101.1	5.5	6.6	6.1
San Jose	727.0	765.3	765.7	41.7	49.1	47.9	5.7	6.4	6.3
Santa Barbara—Santa Maria—Lompoc	142.8	149.6	149.5	9.2	10.5	10.0	6.4	7.0	6.7
Santa Rosa	129.5	135.1	135.3	10.1	13.2	12.6	7.8	9.8	9.3
Stockton	150.8	158.5	158.1	19.9	22.9	23.6	13.2	14.5	14.9
Vallejo—Fairfield—Napa	123.7	129.0	129.9	9.9	12.1	11.6	8.0	9.4	9.0
COLORADO	1,419.1	1,455.6	1,452.9	73.1	94.3	92.4	5.2	6.5	6.4
Denver—Boulder	844.7	866.3	864.1	39.3	50.4	49.4	4.7	5.8	5.7
CONNECTICUT	1,587.8	1,599.6	1,590.8	90.4	112.9	108.9	5.7	7.1	6.8
Bridgeport	193.6	197.0	192.8	10.9	14.2	12.7	5.6	7.2	6.6
Hartford	379.9	388.6	386.4	18.8	24.2	23.4	5.0	6.2	6.1
New Britain	77.7	77.5	77.0	4.3	5.8	5.5	5.5	7.5	7.1
New Haven—West Haven	205.7	204.0	202.5	13.1	15.1	14.7	6.4	7.4	7.2
Stamford	118.9	119.3	119.1	5.2	5.6	5.4	4.4	4.7	4.6
Waterbury	110.2	108.8	107.7	7.8	10.5	9.7	7.1	9.6	9.0
DELAWARE	272.4	278.2	280.7	22.6	27.3	31.1	8.3	9.8	11.1
Wilmington ¹	245.9	248.2	249.5	18.6	21.6	26.7	7.5	8.7	10.7
DISTRICT OF COLUMBIA	314.4	306.4	303.7	23.6	25.1	25.7	7.5	8.2	8.5
Washington SMSA ¹	1,599.9	1,617.0	1,614.3	69.7	73.9	72.9	4.4	4.6	4.5
FLORIDA ²	3,836.0	3,883.0	4,015.2	200.0	246.9	252.1	5.2	6.4	6.3
Bradenton	56.0	55.9	58.2	2.4	3.2	3.9	4.3	5.8	6.7
Daytona Beach	93.1	92.5	99.0	5.2	6.2	6.4	5.6	6.7	6.4
Fort Lauderdale—Hollywood	416.3	416.7	430.4	19.0	19.7	21.5	4.6	4.7	5.0
Fort Myers—Cape Coral	79.8	77.9	80.4	4.2	5.0	5.5	5.3	6.5	6.9
Gainesville	66.9	66.0	68.2	2.7	2.9	3.0	4.1	4.4	4.4
Jacksonville	288.7	293.0	303.7	15.1	17.5	19.4	5.2	6.0	6.4
Lakeland—Winter Haven	123.5	128.2	130.9	7.6	11.6	10.9	6.1	9.1	8.3
Lakeland—Winter Haven	101.7	104.1	107.4	6.3	8.0	8.6	6.2	7.7	8.0
Melbourne—Titusville—Cocoa	701.5	710.3	731.2	36.4	47.6	44.9	5.2	6.7	6.1
Miami	305.6	315.7	324.8	14.9	19.0	19.1	4.9	6.0	5.9
Panama City	34.9	35.6	36.3	3.4	4.0	4.0	9.9	11.2	11.1
Pensacola	104.1	105.3	109.4	5.4	5.6	6.4	5.2	5.3	5.8
Sarasota	69.1	68.4	71.2	3.1	3.3	3.3	4.5	4.9	4.6
Tallahassee	74.3	70.1	73.2	2.8	2.8	3.1	3.8	4.0	4.2
Tampa—St. Petersburg	591.6	598.2	619.1	29.5	35.4	36.6	5.0	5.9	5.9
West Palm Beach—Boca Raton	227.9	236.3	244.3	10.8	13.3	13.9	4.8	5.6	5.7

See footnotes at end of table

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P
GEORGIA	2,340.0	2,375.7	2,392.0	137.7	153.7	155.6	5.9	6.5	6.5
Albany	47.9	49.5	49.8	3.3	4.1	4.0	7.0	8.3	8.1
Atlanta	953.1	966.3	977.6	50.1	52.7	58.5	5.3	5.5	6.0
Augusta	121.3	123.3	125.3	7.3	8.7	10.3	6.0	7.1	8.2
Columbus ¹	83.1	81.6	81.3	6.3	6.1	6.1	7.6	7.5	7.5
Macon	97.4	98.1	98.0	5.8	6.2	5.9	5.9	6.3	6.1
Savannah	86.1	87.6	88.2	5.3	5.6	5.4	6.2	6.4	6.1
HAWAII	397.7	400.0	402.8	19.2	21.0	20.4	4.8	5.2	5.1
Honolulu	312.3	312.9	316.4	14.2	15.3	14.9	4.6	4.9	4.7
IDAHO ³	410.5	432.8	431.8	34.4	36.6	36.2	8.4	8.4	8.4
Boise City	N.A.	94.2	94.8	N.A.	6.5	6.3	N.A.	6.9	6.6
ILLINOIS ²	5,382.0	5,427.5	5,395.7	405.0	539.0	475.0	7.5	9.9	8.8
Bloomington—Normal	60.0	60.3	60.0	3.7	4.7	4.2	6.2	7.9	7.0
Champaign—Urbana—Rantoul	82.0	80.7	83.9	4.6	5.7	5.0	5.6	7.1	6.0
Chicago	3,383.9	3,420.1	3,392.4	230.1	313.9	276.9	6.8	9.2	8.2
Davenport—Rock Island—Moline ¹	183.1	184.9	184.1	10.3	15.8	14.0	5.6	8.5	7.6
Decatur	58.4	60.9	60.5	6.1	7.8	6.9	10.5	12.8	11.5
Kankakee	41.3	40.5	40.4	4.4	5.5	4.9	10.7	13.6	12.1
Peoria	170.7	171.7	170.5	13.1	18.5	16.5	7.7	10.8	9.7
Rockford	135.0	134.1	132.1	11.0	16.6	14.3	8.1	12.4	10.8
Springfield	94.5	95.5	93.9	7.8	8.0	6.8	8.2	8.4	7.3
INDIANA ³	2,595.4	2,554.6	2,559.1	235.6	242.5	252.1	9.1	9.5	9.9
Anderson	61.1	55.4	56.3	10.3	6.4	7.3	16.9	11.5	12.9
Eikhart	68.0	65.5	65.0	7.0	6.9	6.0	10.3	10.6	9.2
Evansville ¹	144.0	143.9	143.8	10.2	11.5	11.9	7.1	8.0	8.3
Fort Wayne	192.5	190.2	191.0	17.3	19.5	20.9	9.0	10.2	10.9
Gary—Hammond—East Chicago	294.6	289.7	290.1	28.0	30.1	30.7	9.5	10.4	10.6
Indianapolis	592.3	594.9	594.0	39.6	44.7	45.4	6.7	7.5	7.6
Lafayette—West Lafayette	63.0	62.2	63.0	4.0	4.0	4.4	6.3	6.4	7.0
Muncie	57.6	56.5	56.6	6.1	5.7	6.2	10.5	10.2	11.0
South Bend	140.6	136.4	136.1	12.5	13.1	13.4	8.9	9.6	9.8
Terre Haute	83.3	79.6	80.3	7.2	7.0	7.9	8.7	8.8	9.8
IOWA	1,399.2	1,381.6	1,394.9	74.7	95.2	95.4	5.3	6.9	6.8
Cedar Rapids	89.8	87.7	88.2	4.4	6.5	6.4	4.9	7.4	7.2
Des Moines	183.5	183.9	185.1	8.7	10.9	10.8	4.7	5.9	5.8
Dubuque	45.9	45.2	45.0	3.0	5.1	5.0	6.6	11.4	11.1
Sioux City ¹	53.5	52.7	52.3	3.4	3.8	3.9	6.3	7.3	7.4
Waterloo—Cedar Falls	69.9	68.3	69.0	3.5	4.7	4.9	5.0	6.9	7.1
KANSAS	1,182.3	1,169.0	1,181.6	49.2	55.6	56.0	4.2	4.8	4.7
Lawrence	36.0	35.3	35.9	1.5	1.7	1.8	4.2	4.8	4.9
Topeka	95.7	95.0	96.3	5.2	5.7	5.9	5.4	6.1	6.1
Wichita	226.6	226.4	227.7	7.8	9.5	9.6	3.4	4.2	4.2
KENTUCKY ³	1,565.0	1,635.7	1,633.6	137.2	170.2	164.0	8.8	10.4	10.0
Lexington—Fayette	166.0	171.7	172.0	8.6	10.3	9.9	5.2	6.0	5.8
Louisville ¹	416.7	432.4	430.8	35.1	40.2	38.1	8.4	9.3	8.8
Owensboro	40.7	42.7	42.6	3.3	4.0	3.8	8.2	9.4	8.9
LOUISIANA ³	1,685.0	1,748.2	1,756.2	113.8	131.5	123.9	6.8	7.5	7.1
Alexandria	66.9	68.9	69.5	6.3	7.3	6.7	9.4	10.5	9.6
Baton Rouge	216.2	224.8	226.1	15.2	17.0	17.2	7.1	7.6	7.6
Lafayette	74.2	82.1	83.2	2.8	3.2	3.1	3.7	3.9	3.8
Lake Charles	72.8	72.9	73.5	4.9	5.2	5.2	6.7	7.1	7.1
Monroe	53.4	55.3	54.3	4.3	5.2	4.8	8.0	9.4	8.7
New Orleans	469.6	481.8	482.2	24.8	32.1	29.8	5.3	6.7	6.2
Shreveport	152.3	155.9	155.9	9.7	11.5	10.9	6.3	7.4	7.0
MAINE	478.5	484.6	480.2	38.5	46.3	41.7	8.0	9.6	8.7
Lewiston—Auburn	37.9	39.0	37.4	2.5	4.4	3.0	6.5	11.3	8.1
Portland	86.7	89.3	88.5	5.0	6.1	5.9	5.8	6.9	6.6
MARYLAND	2,094.4	2,112.2	2,111.4	140.2	158.1	161.6	6.7	7.5	7.7
Baltimore	1,045.5	1,053.6	1,053.6	77.6	88.1	92.0	7.4	8.4	8.7

See footnotes at end of table

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P
MASSACHUSETTS¹	2,822.0	2,911.1	2,946.8	163.0	187.5	188.1	5.8	6.4	6.4
Boston	1,376.2	1,427.5	1,450.4	69.4	77.3	78.0	5.0	5.4	5.4
Brockton	80.1	80.7	81.4	5.4	6.5	6.5	6.8	8.1	8.0
Fall River ¹	71.9	74.0	75.1	6.3	6.7	6.6	8.8	9.0	8.8
Lawrence—Haverhill ¹	135.3	142.3	144.5	8.1	9.1	9.0	6.0	6.4	6.3
Lowell	119.4	122.3	124.6	6.6	7.9	7.7	5.6	6.5	6.2
New Bedford	85.3	92.5	82.1	7.3	8.1	8.4	8.5	9.9	10.2
Springfield—Chicopee—Holyoke	266.7	271.7	277.3	13.4	18.2	18.0	5.0	6.7	6.5
Worcester	194.6	197.5	200.5	10.0	11.2	11.8	5.1	5.7	5.9
MICHIGAN³	4,293.0	4,267.3	4,250.6	493.0	585.2	604.0	11.5	13.7	14.2
Ann Arbor	146.1	144.6	143.7	10.9	12.4	12.4	7.5	8.6	8.6
Battle Creek	79.2	78.9	79.4	8.1	10.0	10.9	10.2	12.6	13.7
Bay City	52.3	52.9	52.9	7.1	7.4	7.8	13.5	14.1	14.8
Detroit	2,047.5	2,018.3	1,999.9	253.7	290.5	295.0	12.4	14.4	14.7
Flint	225.1	229.2	231.4	30.7	34.4	38.9	13.6	15.0	16.8
Grand Rapids	306.1	312.4	312.9	20.6	30.6	30.9	6.7	9.8	9.9
Jackson	66.2	65.9	65.5	6.2	8.8	8.5	9.4	13.3	13.0
Kalamazoo—Portage	135.0	132.8	132.7	9.5	13.2	14.1	7.0	10.0	10.7
Lansing—East Lansing	236.8	237.0	237.3	20.9	28.0	28.6	8.8	11.8	12.1
Muskegon—Norton Shores—Muskegon Heights	76.4	78.9	78.3	8.5	13.0	13.0	11.1	16.4	16.6
Saginaw	102.5	100.3	99.4	13.0	12.0	12.2	12.7	12.0	12.3
MINNESOTA	2,060.6	2,087.5	2,104.5	118.1	147.4	146.0	5.7	7.1	6.9
Duluth—Superior ¹	116.1	115.0	114.6	9.4	12.4	10.9	8.1	10.8	9.5
Minneapolis—St. Paul	1,108.9	1,129.7	1,138.2	43.0	59.1	59.9	3.9	5.2	5.3
Rochester	53.5	54.9	55.3	2.5	3.0	2.9	4.7	5.4	5.2
St. Cloud	70.6	73.0	73.8	5.9	7.0	7.0	8.3	9.6	9.5
MISSISSIPPI	995.1	1,001.3	1,010.0	68.3	87.0	88.6	6.9	8.7	8.8
Jackson	148.0	150.1	150.4	6.2	8.8	8.8	4.2	5.9	5.9
MISSOURI	2,248.0	2,246.1	2,271.3	155.5	180.6	190.3	6.9	8.0	8.4
Kansas City ¹	675.9	671.4	674.2	37.6	45.7	50.9	5.6	6.8	7.5
St. Joseph	43.5	44.6	45.0	3.3	3.9	3.8	7.5	8.7	8.5
St. Louis ¹	1,077.1	1,074.1	1,079.9	81.9	97.6	94.3	7.6	9.1	8.7
Springfield	102.2	101.8	103.2	5.6	6.6	6.8	5.5	6.5	6.6
MONTANA	356.4	354.6	361.3	23.8	26.5	27.5	6.7	7.5	7.6
Billings	55.1	55.8	56.8	2.9	3.1	3.3	5.3	5.6	5.8
Great Falls	33.0	33.5	34.0	2.3	2.7	2.9	7.0	8.1	8.5
NEBRASKA	750.8	755.0	762.4	30.5	39.5	39.6	4.1	5.2	5.2
Lincoln	109.6	110.7	111.5	3.8	5.4	5.5	3.5	4.8	4.9
Omaha ¹	278.5	277.1	280.0	14.4	18.2	18.0	5.2	6.6	6.4
NEVADA	363.6	378.9	385.2	20.9	28.6	29.1	5.8	7.5	7.6
Las Vegas	202.8	209.7	214.0	12.0	17.7	18.1	5.9	8.4	8.5
Reno	103.9	106.8	108.0	5.3	6.4	6.5	5.1	6.0	6.0
NEW HAMPSHIRE³	444.1	457.7	454.0	17.7	25.8	24.1	4.0	5.6	5.3
Manchester	79.9	80.8	80.6	3.5	5.5	4.8	4.4	6.8	5.9
Nashua	74.1	77.0	77.3	2.8	4.2	3.7	3.7	5.5	4.8
NEW JERSEY³	3,562.0	3,572.7	3,524.7	236.0	284.0	270.4	6.6	8.0	7.7
Atlantic City	99.1	107.1	106.8	10.7	9.4	9.8	10.8	8.7	9.2
Jersey City	247.9	244.1	237.3	22.6	29.1	26.4	9.1	11.9	11.1
Long Branch—Asbury Park	226.5	236.9	233.5	15.8	18.1	16.6	7.0	7.6	7.1
New Brunswick—Perth Amboy—Sayreville	325.8	326.7	323.3	17.6	20.3	18.6	5.4	6.2	5.8
Newark	975.8	981.8	966.1	60.3	74.0	68.9	6.2	7.5	7.1
Paterson—Clifton—Passaic	216.0	212.0	210.2	18.1	20.4	19.5	8.4	9.6	9.3
Trenton	165.0	163.7	161.4	10.0	10.3	9.9	6.1	6.3	6.1
Vineland—Millville—Bridgeton	59.9	60.0	59.1	6.7	8.3	8.3	11.3	13.9	14.0
NEW MEXICO	530.6	534.5	537.4	37.5	45.2	44.5	7.1	8.5	8.3
Albuquerque	200.3	199.5	201.4	13.2	17.2	17.1	6.6	8.6	8.5

See footnotes at end of table

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
	FEB. 1980	JAN. 1981	FEB. 1981P	Number			Percent of labor force		
				FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P
NEW YORK²	8,115.0	8,000.7	8,072.8	660.0	666.8	664.8	8.1	8.3	8.2
Albany—Schenectady—Troy	387.5	385.0	388.5	24.3	27.2	26.5	6.3	7.1	6.8
Binghamton ¹	N.A.	143.3	144.4	N.A.	11.2	10.4	N.A.	7.8	7.2
Buffalo	590.0	586.3	589.8	58.1	62.9	60.6	9.8	10.7	10.3
Elmira	40.8	41.3	41.4	3.6	3.5	3.4	8.8	8.6	8.2
Nassau-Suffolk	1,329.1	1,332.3	1,337.5	85.8	91.1	83.3	6.5	6.8	6.2
New York	3,676.9	3,565.7	3,600.7	322.9	295.9	311.6	8.8	8.3	8.7
New York City ²	3,056.0	2,940.0	2,975.0	291.0	260.0	279.0	9.5	8.8	9.4
Poughkeepsie	109.8	109.7	111.5	6.0	7.1	6.6	5.4	6.5	6.0
Rochester	479.8	480.5	485.7	31.2	32.6	31.9	6.5	6.8	6.6
Syracuse	309.9	309.5	313.3	23.6	26.3	24.9	7.6	8.5	8.0
Utica—Rome	138.6	139.2	140.8	10.8	12.7	12.7	7.8	9.1	9.0
NORTH CAROLINA	2,671.6	2,695.6	2,704.4	159.3	195.9	195.8	6.0	7.3	7.2
Asheville	80.0	80.5	80.5	4.5	6.2	6.3	5.7	7.7	7.8
Charlotte—Gastonia	341.8	344.1	344.5	14.1	17.4	17.4	4.1	5.0	5.1
Greensboro—Winston-Salem—High Point	404.6	411.3	413.1	19.5	25.3	24.9	4.8	6.1	6.0
Raleigh—Durham	286.1	284.6	287.6	11.9	12.3	13.1	4.2	4.3	4.5
NORTH DAKOTA	284.1	289.0	298.9	15.0	19.4	19.5	5.3	6.7	6.5
Fargo—Moorehead ¹	69.0	70.3	71.5	3.5	5.1	4.8	5.0	7.2	6.7
OHIO³	4,986.0	4,970.1	4,940.7	359.0	517.1	496.0	7.2	10.4	10.0
Akron	300.0	293.1	292.2	23.1	30.6	28.8	7.7	10.4	9.8
Canton	183.6	180.6	179.0	14.0	18.7	17.9	7.6	10.4	10.0
Cincinnati ¹	655.5	668.3	664.5	40.7	61.5	57.5	6.2	9.2	8.6
Cleveland	923.4	913.6	909.9	52.8	78.2	78.0	5.7	8.6	8.6
Columbus	542.2	550.4	548.2	25.3	42.2	41.6	4.7	7.7	7.6
Dayton	385.0	379.5	377.4	25.7	32.0	30.5	6.7	8.4	8.1
Toledo ¹	361.8	N.A.	N.A.	33.8	N.A.	N.A.	9.3	N.A.	N.A.
Youngstown—Warren	233.2	231.4	228.3	21.3	35.6	34.5	9.1	15.4	15.1
OKLAHOMA	1,291.0	1,348.7	1,356.3	54.2	74.9	66.3	4.2	5.6	4.9
Oklahoma City	392.1	415.2	417.1	14.6	20.7	18.2	3.7	5.0	4.4
Tulsa	316.3	333.5	335.7	12.6	17.2	15.2	4.0	5.2	4.5
OREGON	1,249.9	1,264.1	1,269.5	98.3	126.2	137.6	7.9	10.0	10.8
Eugene—Springfield	132.0	133.1	133.8	12.3	14.7	15.5	9.3	11.1	11.6
Portland ¹	N.A.	622.0	620.7	N.A.	45.8	54.1	N.A.	7.4	8.7
Salem	115.9	117.7	118.4	9.2	11.4	11.4	7.9	9.7	9.7
PENNSYLVANIA³	5,348.0	5,366.2	5,323.6	410.0	489.8	456.3	7.7	9.1	8.6
Allentown—Bethlehem—Easton ¹	301.2	311.7	306.0	18.9	31.8	26.6	6.3	10.2	8.7
Altoona	60.1	57.2	56.6	5.9	8.7	7.3	9.9	15.3	12.9
Erie	126.9	124.3	124.0	11.2	13.0	12.5	8.8	10.4	10.1
Harrisburg	217.0	225.2	224.1	12.4	15.3	14.2	5.7	6.8	6.3
Johnstown	111.8	107.9	105.8	12.5	16.1	14.6	11.2	14.9	13.8
Lancaster	178.0	178.7	177.1	9.4	11.6	10.6	5.3	6.5	6.0
Northeast Pennsylvania	287.2	287.4	284.0	28.4	35.1	31.4	9.9	12.2	11.1
Philadelphia ¹	2,138.8	2,117.6	2,106.1	140.9	156.6	151.5	6.6	7.4	7.2
Pittsburgh	1,012.7	1,025.8	1,016.2	70.2	83.2	79.1	6.9	8.1	7.8
Reading	156.0	158.6	157.4	11.7	13.7	12.6	7.5	8.7	8.0
Williamsport	53.0	53.2	53.0	6.3	6.9	7.0	11.9	12.9	13.2
York	174.0	177.1	175.3	11.8	15.8	14.9	6.8	8.9	8.5
RHODE ISLAND	453.8	459.5	462.9	36.7	37.1	40.2	8.1	8.1	8.7
Providence—Warwick—Pawtucket ¹	452.5	456.7	459.6	36.5	36.4	39.3	8.1	8.0	8.5
SOUTH CAROLINA³	1,284.4	1,300.8	1,312.1	77.1	100.7	106.1	6.0	7.7	8.1
Charleston—North Charleston	153.7	155.8	157.0	8.9	10.6	10.2	5.8	6.8	6.5
Columbia	171.1	174.3	175.3	7.0	8.9	9.3	4.1	5.1	5.3
Greenville—Spartanburg	257.7	262.3	262.9	12.0	16.6	17.1	4.6	6.3	6.5
SOUTH DAKOTA³	322.7	319.1	321.1	15.6	20.9	18.9	4.8	6.6	5.9
Rapid City	41.1	39.7	39.8	2.4	3.2	2.9	5.7	8.1	7.2
Sioux Falls	61.9	62.3	62.4	2.7	4.2	3.7	4.4	6.7	5.9
TENNESSEE	1,981.9	1,981.4	1,977.6	141.4	171.3	172.7	7.1	8.6	8.7
Chattanooga ¹	188.2	186.8	186.7	11.8	15.0	14.8	6.3	8.0	7.9
Knoxville	207.2	213.4	213.3	11.2	14.5	14.8	5.4	6.8	6.9
Memphis ¹	386.8	383.6	383.2	23.7	26.8	26.9	6.1	7.0	7.0
Nashville—Davidson	403.8	403.4	402.3	20.0	26.1	26.1	5.0	6.5	6.5

See footnotes at end of table

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P	FEB. 1980	JAN. 1981	FEB. 1981P
TEXAS ³	6,319.0	6,566.5	6,561.6	335.0	369.7	309.7	5.3	5.6	4.7
Amarillo	86.3	86.9	87.0	4.0	3.7	3.5	4.7	4.2	4.0
Austin	252.2	257.2	260.1	8.8	9.5	7.7	3.5	3.7	3.0
Beaumont—Port Arthur—Orange	167.7	169.5	168.1	12.8	11.8	9.7	7.6	7.0	5.8
Corpus Christi	141.1	141.1	142.3	8.5	8.7	7.9	6.1	6.1	5.6
Dallas—Fort Worth	1,489.6	1,573.5	1,575.9	65.8	76.6	64.0	4.4	4.9	4.1
El Paso	171.6	178.6	176.5	16.2	18.3	15.4	9.5	10.3	8.7
Galveston—Texas City	81.3	84.8	84.6	5.5	6.6	5.3	6.8	7.7	6.3
Houston	1,449.9	1,515.2	1,516.9	60.1	62.8	53.3	4.1	4.1	3.5
Lubbock	99.4	100.8	99.5	4.4	4.7	3.8	4.4	4.7	3.8
San Antonio	419.5	433.8	434.0	27.5	29.3	25.3	6.6	6.8	5.8
Waco	78.8	81.4	81.5	4.1	4.4	3.6	5.2	5.4	4.5
Wichita Falls	59.6	62.5	61.2	2.2	3.3	1.9	3.8	5.3	3.1
UTAH	587.8	598.1	600.1	35.7	47.1	45.8	6.1	7.9	7.6
Salt Lake City—Ogden	388.1	395.6	397.1	21.3	30.0	29.3	5.5	7.6	7.4
VERMONT	244.8	248.6	249.1	16.1	18.0	18.4	6.6	7.3	7.4
VIRGINIA	2,467.2	2,516.9	2,530.3	124.7	138.5	142.7	5.1	5.5	5.6
Lynchburg	75.3	76.0	76.5	3.3	3.6	3.9	4.4	4.7	5.1
Newport News—Hampton	158.7	167.4	168.3	8.6	9.1	8.9	5.4	5.4	5.3
Norfolk—Virginia Beach—Portsmouth ¹	319.8	325.8	327.3	18.2	19.4	20.6	5.7	6.0	6.3
Petersburg—Colonial Heights—Hopewell	58.0	59.2	59.5	3.3	3.9	4.0	5.6	6.6	6.7
Richmond	323.9	331.6	333.2	10.8	12.0	11.4	3.3	3.6	3.4
Roanoke	107.6	110.2	110.6	5.0	5.6	5.6	4.6	5.0	5.1
WASHINGTON ³	1,881.5	1,899.7	1,910.6	144.5	168.3	176.3	7.7	8.9	9.2
Seattle—Everett	N.A.	847.6	849.6	N.A.	59.3	61.8	N.A.	7.0	7.3
Spokane	N.A.	146.2	146.8	N.A.	13.8	14.8	N.A.	9.5	10.1
Tacoma	N.A.	171.6	172.2	N.A.	14.8	15.6	N.A.	8.6	9.1
WEST VIRGINIA ³	751.8	771.2	764.1	74.5	95.5	91.0	9.9	12.4	11.9
Charleston	125.4	129.0	127.1	9.8	13.8	13.0	7.8	10.7	10.2
Huntington—Ashland ¹	N.A.	125.3	125.4	N.A.	14.9	14.9	N.A.	11.9	11.9
Parkersburg—Marietta ¹	N.A.	71.2	70.9	N.A.	7.9	7.7	N.A.	11.1	10.8
Wheeling ¹	N.A.	81.6	80.3	N.A.	9.7	9.0	N.A.	11.9	11.2
WISCONSIN	2,367.1	2,352.9	2,361.2	158.1	209.5	209.3	6.7	8.9	8.9
Appleton—Oshkosh	148.3	145.5	146.1	9.3	13.8	13.2	6.2	9.5	9.0
Eau Claire	56.9	56.8	57.7	4.5	4.9	5.0	8.0	8.7	8.6
Green Bay	87.2	88.3	88.1	6.2	8.3	7.8	7.1	9.3	8.8
Janeville—Beloit	70.6	68.5	68.5	9.5	6.0	5.5	13.5	8.8	8.1
Kenosha	62.3	58.3	57.2	3.6	6.2	9.5	5.7	10.6	16.6
La Crosse	46.7	47.9	48.3	2.8	4.0	3.9	5.9	8.3	8.1
Madison	178.6	179.1	180.2	8.7	10.8	10.6	4.9	6.0	5.9
Milwaukee	724.4	719.4	719.9	37.0	55.3	54.5	5.1	7.7	7.6
Racine	88.2	86.5	87.4	4.9	8.7	9.4	5.6	10.1	10.8
WYOMING	214.2	221.2	221.0	8.8	11.6	12.1	4.1	5.2	5.5

¹ Includes interstate portion of area located in adjacent State.

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

³ The 1980 estimates in these States reflect revisions based on preliminary annual average "benchmarks" from the Current Population Survey and incorporate other yearly adjustments to the basic input data used to calculate State and area labor estimates. Final benchmarked estimates will be published later this month through the National Technical Information Service of the U.S. Department of Commerce in "State, County and Selected City, Employment and Unemployment, January-December 1980" (PB81-914413) and "CETA Area Employment and Unemployment, January-December 1980" (PB81-914313).

NOTE: Estimates for 1980 have been benchmarked to 1980 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 2, estimates for 1981 are provisional and will be revised when new benchmark information becomes available. Data refer to place of residence.

p = preliminary.

N.A. = not available.

SOURCE: Current Population Survey and Cooperating State Employment Security Agencies.

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 65,000 households, representing 629 areas in 1,133 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

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

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

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

Employment

Coverage. The household survey definition of employment comprises wage and salary workers (including domestics and other private household workers), self-employed persons, and unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises. Employment in both agricultural and nonagricultural in-

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

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

Hours of work

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

Earnings

The household survey measures median earnings of wage and salary workers in all occupations and industries in both the private and public sectors. Data refer to the usual earnings received from the worker's sole or primary job. Data from the establishment survey generally refer to 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 Report 601.

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, self-employed and unpaid family workers). Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total of \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

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

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

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

COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

Statistics on manufactures and business, Bureau of the Census. BLS establishment statistics on employment differ from employment counts derived by the Bureau of Census from its censuses or annual sample surveys of manufacturing establishments and the censuses of business establishments. The major reasons for some noncomparability are different treatment of business units considered parts of an establishment, such as central administrative offices and auxiliary units, the industrial classification of establishments, and different reporting patterns by multiunit companies. There are also differences in the scope of the industries covered, e.g., the Census of Business excludes professional services, public utilities, and financial establishments, whereas these are included in 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. Beginning in January 1972, coverage was expanded to include employees of small firms and selected nonprofit activities who had not been covered previously. However, certain activities, such as interstate railroads, parochial schools, and churches are not covered by unemployment insurance whereas these are included in the BLS establishment statistics. Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total of \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

Household Data (A tables)

COLLECTION AND COVERAGE

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

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

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

Each month, 65,000 occupied units are eligible for interview. About 2,800 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 65,000 occupied units, there are 12,000 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.

Beginning in September 1975, the sample was enlarged by 9,000 households in order to provide greater reliability for smaller States

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

Over the period November 1978 to April 1979 the sample was again enlarged by 9,000 households. This was done to permit the publication of reliable quarterly estimates for the 50 States and the District of Columbia. These supplementary households were added to the 56,000 household sample in January 1980.

CONCEPTS

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

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

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

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

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

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

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

Jobseekers are all unemployed persons who made specific efforts to find a job, sometime during the 4-week period preceding the survey week. Jobseekers do not include persons unemployed because they (a) were waiting to be called back to a job from which they had been laid off or (b) were waiting to report to a new wage or salary job within 30 days. Jobseekers are grouped by the methods used to seek work, including going to 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 pick-up point.

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

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

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

Employment-population ratios represent the proportion of the total noninstitutional population that is employed.

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

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

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

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

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

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

The distribution of employment by hours worked 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," correspondingly 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 the 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.

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

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

White and black and other are terms used to describe the race of workers. The "black-and-other category," includes all persons who identified themselves in the enumeration process to be other than white. At the time of the 1970 Census of Population, 89 percent of the black-and-other population group were black; the remainder were primarily American Indians, Alaskan Natives, and Asian and Pacific Islanders. The term "black" is used in this volume when the relevant data are provided exclusively for the black population.

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

Major activity: going to school and major activity: other are terms used to describe whether the activity of young persons during the reference week is primarily one of going to school or not. Statistics on major activity are published every month in table A-7 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. Tables for veterans in this volume are limited to males in the civilian noninstitutional population, i.e., veterans in institutions and females are excluded.

Nonveterans are males who never served in the Armed Forces.

The *poverty areas* classification consists of all Census geographical divisions in which 20 percent or more of the residents were poor according to the 1970 Decennial Census. Persons were classified as poor or nonpoor by using income thresholds adopted by a Federal interagency

committee in 1969. These thresholds vary by family size, composition, and residence (farm-nonfarm). While poverty areas have a substantial concentration of low-income residents, many poor persons live outside these areas and, conversely, the areas include many people who are not poor.

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

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. Data refer to the sole or primary job of wage and salary workers. 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.

A *household* consists of all persons—related family members and all unrelated persons—who occupy a housing unit. A house, an apartment, or other group of rooms, or a single room is regarded as a housing unit when it is 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 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 blood, marriage, or adoption; all such persons are considered as members of one family even though they may include a "subfamily," that is, a married couple or a parent-child group related by blood or marriage to the householder and sharing the living quarters. The counts of families used in this volume refer to primary families only, that is, all persons in the household who are related to the householder. Families are classified either as married-couple families or as those maintained by women or men without spouses. 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.

HISTORIC COMPARABILITY

Raised lower age limit

Beginning with data for 1967, the lower age limit for official statistics on persons in the labor force was raised from 14 to 16 years. A detailed discussion of this and other definitional changes introduced at that time, including estimates of their effect on the various series is contained in "New Definitions for Employment and Unemployment" by Robert L. Stein in the February 1967 issue of *Employment and Earnings and Monthly Report on the Labor Force*. Reprints may be obtained upon request.

Noncomparability of labor force levels

Before the changes introduced in 1967, the labor force data were not comparable for three earlier periods: (1) Beginning in 1953, as a result of the introduction of data from the 1950 census into the estimation procedure, population levels were raised by about 600,000; labor force, total employment, and agricultural employment by about 350,000, primarily affecting the figures for totals and males; other categories were relatively unaffected; (2) beginning 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

in nonagricultural employment; other labor force categories were not appreciably affected; (3) beginning in 1962, the introduction of figures from the 1960 census reduced the population by about 50,000, labor force and employment by about 200,000; unemployment totals were virtually unchanged. In addition, beginning in 1972, information from the 1970 census was introduced into the estimation procedures, producing an increase in the civilian noninstitutional population of about 800,000; labor force and employment totals were raised by a little more than 300,000, and unemployment levels and rates were essentially unchanged. A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment affected the white and black and other groups but had little effect on totals. The adjustment resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black and other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black and other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

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

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

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

Beginning in October 1978, the race of the individual was determined by the household respondent for the incoming rotation group households, rather than determined 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 1979, the first-stage ratio estimation method was changed in the CPS estimation procedure. The new procedure is described in the Estimating Methods section. 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*. Differences between the old and new procedures exist only for metropolitan and nonmetropolitan estimates, not for the total U.S.

Changes in the occupational classification system

Beginning with 1971, the comparability of occupational employment data was affected as a result of changes in census occupational

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

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

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

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

Changes in sample design

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

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, occasionally the sample is expanded in terms of number of sample areas and number of sample persons. In 1953, a rotation plan was introduced in which a sample unit would be interviewed for 4 months, leave the sample for 8 months, and then return to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to the sample to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a non-contiguous cluster of six housing units to a usually contiguous cluster of four housing units. 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 with the existing 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 housing units that previously had no chance for selection in the CPS sample. A recent change was introduced in January 1980, when another supplemental

sample of 9,000 households selected in 32 States and the District of Columbia to provide more reliable quarterly average estimates for States, was added to the existing sample.

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

ESTIMATING METHODS

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

The CPS estimation procedure involves weighting the data from each sample person. The basic weight, which is the inverse of the probability of the person being in the sample, is a rough measure of the number of actual persons that the sample person represents. In States supplemented in the 1978 and 1980 expansions, almost all sample persons within the same sample area have the same basic weight, but the weight may differ across sample areas. The basic weight is the same for almost all sample persons in unsupplemented States. The basic weights are then adjusted for noninterview, and the ratio estimation procedure is applied.

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondent for other reasons. This adjustment is made separately by combinations of sample areas within each State and the District of Columbia, and within these, for six groups—two race categories (white, and black and other) within three residence categories. For sample areas which are Standard Metropolitan Statistical Areas (SMSA's), these residence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 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 latter estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:

a. *First-stage ratio estimate.* In the CPS, 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. The procedure corrects for the differences that existed at the time of the 1970 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 urban-rural status and race.

b. *Second-stage ratio estimate.* In this stage, the sample proportions in the categories described below are adjusted to the distribution of independent current estimates of the population in the same categories. The second-stage ratio estimate is done in order to increase the reliability of the estimates and is done in three steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over for the State. The second step involves "nonwhite" persons only, and is an adjustment to independent estimates of 40 age-sex-race categories across the whole Nation. (The race categories used are black and other minority races.) The third adjustment is applied to all sample persons and is a weighting to nationwide independent population estimates within 68 age-sex-race groups. The entire second-stage ratio estimation procedure is iterated six times, each time beginning at the weights developed the previous time. This iteration ensures that the sample estimates both of State population and of national age-sex-race categories, will be virtually equal to the independent population estimates.

Time period	Number of sample areas	Households eligible		Households visited 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	¹ 330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963	² 333	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 present	629	62,200	2,800	12,000

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

² Three sample areas were added in 1960 to represent Alaska and Hawaii after statehood.

The independent controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population from the April 1, 1970 census through the latest available July 1 estimate, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age for July 1 are published annually in *Current Population Reports*, Series P-25. For a description of the methodology used in developing the State total, see Report 640 of that series. Descriptions of the age estimates methodology are available on request from the Chief of the Population Division, U.S. Bureau of the Census, Washington, D.C. 20233.

Prior to January 1974, the independent national controls used for the age-sex-race groups in both the second and third steps of the second-stage ratio estimation procedure were prepared by carrying forward the most recent census data (1970) after taking account of subsequent aging of the population, births, deaths, and migration between the United States and other countries. Beginning in 1974, the "inflation-deflation" method of deriving independent population controls was introduced into the CPS estimation procedures. These independent controls are prepared by inflating the most recent census counts to include the estimated net census undercount by age, sex, and race, aging this population forward to each subsequent month and later age by adding births and net migration, and subtracting deaths. These post-censal population estimates are then "deflated" to census level to reflect the pattern of net undercount in the most recent census by age, sex, and race. The actual percent change over time in the population in any age group is preserved.

3. *Composite estimate procedure.* In deriving statistics for a given month, a composite estimating procedure is used which takes account of net changes from the previous month for continuing parts of the sample (75 percent) as well as the sample results for the current month. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of levels are also improved, but to a lesser extent.

Rounding of estimates

The sums of individual items may not always equal the totals shown in the same tables because of independent rounding of totals and components to the nearest thousand. Differences, however, are insignificant.

Reliability of the estimates

There are two types of errors possible in an estimate based on a sample survey—sampling and nonsampling. The standard errors provided primarily indicate the magnitude of the sampling error. They also partially measure the effect of some nonsampling errors in response and enumeration but do not measure any systematic biases in the data.

Nonsampling errors. The full extent of nonsampling error is unknown, but special studies have been conducted to quantify some sources of nonsampling error in the CPS as discussed below. The effect of nonsampling error should be small on estimates of relative change, such as month-to-month change. Estimates of monthly levels would be more severely affected by the nonsampling error.

Nonsampling errors in surveys can be attributed to many sources, e.g., inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, inability or unwillingness of respondents to provide correct information, inability to recall information, errors made in collection such as in recording or coding the data, errors made in processing the data, errors made in estimating values for missing data, and failure to represent all sample households and all persons within sample households (undercoverage).

Nonsampling errors occurring in the interview phase of the survey have been studied by means of a reinterview program. This program is used to estimate various sources of error as well as to evaluate and control the work of the interviewers. A random sample of each interviewer's work is inspected through reinterview at regular intervals. The results indicate, among other things, that the data published from the CPS are subject to moderate systematic biases. A description of the CPS reinterview program and some of the other results may be found in the *Current Population Survey Reinterview Program, January 1961 through December 1966*, Technical Paper No. 19, Bureau of the Census, U.S. Department of Commerce.

The effects of some components of nonsampling error in the CPS data can be examined as a result of the rotation plan used for the sample, since the level of the estimates varies by rotation group. A description of these effects appears in the article "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. Overall undercoverage as compared to the level of the decennial census, is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females and larger for black and other races than for whites. Ratio estimation to independent age-sex-race population controls, as described previously, partially corrects for the biases due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race group. Further, the independent population controls used have not been adjusted for undercoverage in the 1970 census, which was estimated at 2.5 percent of the population, with differentials by age, sex, and race similar to those observed in the CPS.

Additional information on nonsampling error in the CPS appears in the paper, "An Error Profile: Employment as Measured by the Current Population Survey," by Camilla Brooks and Barbara Bailar, Statistical Policy Working Paper 3, U.S. Department of Commerce, Office of Federal Statistical Policy and Standards; in the paper "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 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 report 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 A and B 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 C through G provide generalized standard errors for monthly level and month-to-month change for estimated totals, unemployment rates, and percentages. Table H contains factors for use with table G for computing standard errors, as described below, for monthly level and month-to-month change for percentages. Standard errors for intermediate values not shown in the tables may be approximated by linear interpolation. The standard error for estimated changes from one month to the next is more closely related to the monthly level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between two consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table I contains factors for use with tables C, E, G, and H to compute approximate standard errors, as described below, for levels, labor force participation rates, and percentages as pertaining to 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 J provides generalized standard errors for quarterly estimates of persons and families for use with the CPS earnings data.

Standard errors for estimated totals. Tables C and D provide generalized standard errors for monthly totals and for month-to-month change. The figures given in these tables are to be used for the characteristics as indicated.

Illustration. Assume that 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 C shows that the standard error on an estimate of 12,000,000 is about 150,000. The 68 percent confidence interval as shown by these data is from 11,850,000 to 12,150,000. 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 D the standard error on a month-to-month change of 400,000 when the monthly level is approximately 12,000,000 is about 111,000.

Standard errors for rates and percentages. The reliability of an estimated unemployment rate or an estimated percentage, computed using sample data for both numerator and denominator, depends on both the size of the rate or percentage and the total upon which the rate or percentage is based. Estimated rates and percentages are relatively more reliable than the corresponding estimates of the numerator of the rates or percentages; this is particularly true for percentages of 50 percent or more. As a general rule, percentages are

not published when the monthly base is less than 75,000 or the annual average base is less than 35,000.

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

Illustration. For example, assume that in a given month 3.6 percent of a total of 90,771,000 employed persons are employed in agriculture. First the standard error on an estimate of 3.6 percent with a base of 90,771,000 is obtained from table G (0.09 percentage point). The appropriate factor from table H for the numerator of the percentage, agricultural employment, is 1.26. The generalized standard error

Table A. Standard errors for major employment status categories

Employment status, sex, age, and race	Standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
<i>(In thousands)</i>		
Total, 16 years and over:		
Civilian labor force	208	161
Employed	229	175
Unemployed	122	123
Males, 20 years and over:		
Civilian labor force	113	95
Employed	131	114
Unemployed	84	85
Females, 20 years and over:		
Civilian labor force	167	124
Employed	168	128
Unemployed	71	74
Both sexes, 16-19 years:		
Civilian labor force	80	85
Employed	85	94
Unemployed	58	72
Black and other, 16 years and over:		
Civilian labor force	73	56
Employed	84	63
Unemployed	59	62
Males, 20 years and over:		
Civilian labor force	40	34
Employed	49	43
Unemployed	40	42
Females, 20 years and over:		
Civilian labor force	62	46
Employed	62	48
Unemployed	36	40
Both sexes, 16-19 years:		
Civilian labor force	33	37
Employed	31	36
Unemployed	28	30

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 I 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 I to obtain the approximate standard error for the average or change.

Illustration. For example, suppose that one is interested in the year-to-year change of a monthly unemployment rate. Let us assume that for a certain month the unemployment rate is 6.9 percent based on a total of 95,676,000 in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent based on a total of 94,254,000 in the civilian labor force for the month. First, the standard error on the average of the two estimates, 6.5 percent with a base of 94,965,000, is obtained from table E (0.11 percentage point). The appropriate factor then from table I is 1.40. The approximate standard error on the change of 0.8 percent is then given by $0.11 \times 1.40 = 0.15$ percentage point.

The approximate standard error of levels involving year-to-year change of quarterly estimates pertaining to CPS earnings data for per-

sons and families may be obtained by using table J 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 J, 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 B. Standard errors for unemployment rates by major characteristics

Selected categories	Standard error of—		Selected categories	Standard error of—	
	Monthly level	Consecutive month change		Monthly level	Consecutive month change
Total (all civilian workers)	0.12	0.12	OCCUPATION—Continued		
Males, 20 years and over . . . . .	.15	.15	Blue collar workers—Continued		
Females, 20 years and over . . . . .	.17	.18	Operatives, except transport . . . . .	.44	.50
Both sexes, 16-19 years . . . . .	.57	.67	Transport equipment operatives . . . . .	.70	.77
White workers . . . . .	.12	.12	Nonfarm laborers . . . . .	.71	.81
Black (and other) workers . . . . .	.46	.49	Service workers . . . . .	.32	.36
Married men, spouse present . . . . .	.15	.16	Farm workers . . . . .	.54	.62
Married women, spouse present . . . . .	.21	.23	INDUSTRY		
Full-time workers . . . . .	.12	.13	Nonagricultural private wage and salary workers . . . . .	.13	.13
Part-time workers . . . . .	.32	.40	Construction . . . . .	.59	.70
Unemployed 15 weeks and over . . . . .	.06	.07	Manufacturing . . . . .	.27	.30
OCCUPATION			Durable goods . . . . .	.37	.41
White-collar workers . . . . .	.12	.13	Nondurable goods . . . . .	.39	.45
Professional and technical . . . . .	.18	.20	Transportation and public utilities . . . . .	.38	.42
Managers and administrators, except farm . . . . .	.20	.23	Wholesale and retail trade . . . . .	.26	.29
Sales workers . . . . .	.36	.41	Finance and service industries . . . . .	.17	.19
Clerical workers . . . . .	.23	.25	Government workers . . . . .	.20	.23
Blue-collar workers . . . . .	.24	.26	Agricultural wage and salary workers	1.07	1.26
Craft and kindred workers . . . . .	.33	.37			

Table C. Standard errors for estimates of monthly level
(In thousands)

Estimated monthly level	Characteristic ¹								
	Agricultural employment	Labor force data other than unemployment and agricultural employment data						Unemployment	
		Total or white	Black and other	Total or white, 16-19 years	Black and other, 16-19 years	Total or white males only, or females only	Black and other males only, or females only	Total or white	Black and other
50.....	13	10	10	10	10	9	9	10	11
100.....	18	14	14	14	14	13	13	14	15
500.....	41	32	32	32	28	30	29	31	33
1,000.....	57	45	44	44	33	42	40	44	46
2,000.....	81	64	60	60	13	59	52	62	63
4,000.....	113	90	79	77	—	82	60	87	83
6,000.....	137	109	88	84	—	99	53	106	93
8,000.....	—	125	90	84	—	113	16	122	—
10,000.....	—	139	87	76	—	124	—	135	—
15,000.....	—	166	36	—	—	146	—	163	—
20,000.....	—	188	—	—	—	161	—	182	—
30,000.....	—	219	—	—	—	177	—	—	—
40,000.....	—	249	—	—	—	178	—	—	—
50,000.....	—	253	—	—	—	164	—	—	—
60,000.....	—	260	—	—	—	131	—	—	—
70,000.....	—	260	—	—	—	49	—	—	—
80,000.....	—	254	—	—	—	—	—	—	—
100,000.....	—	221	—	—	—	—	—	—	—
120,000.....	—	143	—	—	—	—	—	—	—

¹ When determining the standard error of an estimate for a group which is a subset of the age, sex, race groups listed, use the standard error for the next larger group, e.g., when determining the standard error on the estimated number of employed persons age 20 to 54 years, use the column for total employed.

Table D. Standard errors for estimates of month-to-month change

(In thousands)

Employment monthly level	Characteristic ¹							
	Labor force data other than unemployment and agricultural employment data				Unemployment			
	Total or white	Black and other	Total, or white 16-19 years	Black and other, 16-19 years	Total or white	Both sexes 16-19 years, or part-time labor force ²	Black and other	Black and other, 16-19 years
50	8	8	12	12	11	12	12	12
100	11	11	17	17	16	17	16	17
500	24	23	37	33	35	39	36	34
1,000	34	33	52	37	48	55	49	39
2,000	47	45	70	—	68	77	65	—
4,000	66	58	89	—	93	107	80	—
6,000	81	65	96	—	110	129	—	—
8,000	93	68	93	—	123	147	—	—
10,000	103	65	78	—	132	162	—	—
15,000	123	33	—	—	145	191	—	—
20,000	130	—	—	—	146	211	—	—
30,000	163	—	—	—	—	—	—	—
40,000	179	—	—	—	—	—	—	—
50,000	189	—	—	—	—	—	—	—
60,000	194	—	—	—	—	—	—	—
70,000	195	—	—	—	—	—	—	—
80,000	191	—	—	—	—	—	—	—
100,000	179	—	—	—	—	—	—	—
120,000	119	—	—	—	—	—	—	—

¹ See footnote 1, table C.

² Part-time labor force for unemployment also includes persons

reentering the labor force, persons who left their last job, and persons by duration of unemployment.

Table E. Standard errors for unemployment rates

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate									
	1	2	5	10	15	20	25	30	35	50
50	2.05	2.88	4.49	6.18	7.36	8.25	8.93	9.46	9.85	10.36
100	1.45	2.04	3.18	4.37	5.20	5.83	6.32	6.69	6.97	7.33
500 .....	.65	.91	1.42	1.96	2.33	2.61	2.82	2.99	3.12	3.28
1,000 .....	.46	.65	1.01	1.38	1.65	1.84	2.00	2.12	2.21	2.32
2,000 .....	.32	.46	.71	.98	1.17	1.31	1.42	1.50	1.56	1.64
4,000 .....	.23	.32	.50	.69	.83	.92	1.00	1.06	1.10	1.16
6,000 .....	.19	.26	.41	.57	.67	.75	.82	.86	.90	.94
10,000 .....	.15	.21	.32	.44	.52	.59	.63	.67	.70	.73
20,000 .....	.11	.15	.23	.31	.37	.41	.45	.47	.49	.51
60,000 .....	.06	.08	.12	.17	.20	.23	.25	.26	.27	.28
100,000 .....	.04	.06	.10	.13	.16	.18	.19	.20	.21	.22

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

Monthly base of unemployment rate (In thousands)	Monthly unemployment rate									
	1	2	5	10	15	20	25	30	35	50
50	2.32	3.28	5.12	7.10	8.52	9.64	10.05	11.39	11.97	12.55
100	1.64	2.32	3.62	5.02	6.02	6.81	7.11	8.05	8.39	8.87
500 .....	.74	1.04	1.62	2.25	2.69	3.04	3.17	3.58	3.73	3.93
1,000 .....	.52	.73	1.15	1.59	1.90	2.15	2.24	2.52	2.62	2.74
2,000 .....	.37	.52	.81	1.12	1.34	1.51	1.57	1.76	1.83	1.89
4,000 .....	.26	.37	.57	.79	.94	1.06	1.10	1.22	1.26	1.26
6,000 .....	.21	.30	.47	.64	.76	.86	.89	.97	1.00	-
10,000 .....	.16	.13	.36	.49	.59	.65	.67	.72	-	-
20,000 .....	.11	.15	.24	.33	.39	.44	.48	.51	-	-
60,000 .....	.06	.09	.13	.18	.21	.22	.23	-	-	-
100,000 .....	.05	.07	.10	.13	.14	.14	-	-	-	-

Table G. Standard errors 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	2.03	2.85	4.44	6.12	7.28	8.15	8.83	9.34	9.72	10.19
100	1.43	2.02	3.14	4.32	5.15	5.77	6.24	6.61	6.88	7.21
500 .....	.64	.90	1.41	1.93	2.30	2.58	2.79	2.95	3.07	3.22
1,000 .....	.45	.64	.99	1.37	1.63	1.82	1.97	2.09	2.17	2.28
2,000 .....	.32	.45	.70	.97	1.15	1.29	1.40	1.48	1.54	1.61
4,000 .....	.23	.32	.50	.68	.81	.91	.99	1.04	1.09	1.14
6,000 .....	.19	.26	.41	.56	.66	.74	.81	.85	.89	.93
10,000 .....	.14	.20	.31	.43	.51	.58	.62	.66	.69	.73
20,000 .....	.10	.14	.22	.31	.36	.41	.44	.47	.49	.51
40,000 .....	.07	.10	.16	.22	.26	.29	.31	.33	.34	.36
60,000 .....	.06	.08	.13	.18	.21	.24	.25	.27	.28	.29
80,000 .....	.05	.07	.11	.15	.18	.20	.22	.23	.24	.25
100,000 .....	.05	.06	.10	.14	.16	.18	.20	.21	.22	.23
160,000 .....	.04	.05	.08	.11	.13	.14	.16	.17	.17	.18

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

Table H. Factors to be used with Table G 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 data and unemployment data:			Total or white:		
Total	1.00	.74	Total . . . . .	.97	1.08
Males only . . . . .	.93	.84	Both sexes, 16-19 years . . . . .	.97	1.21
Females only . . . . .	.86	.75	Black and other:		
Both sexes, 16-19 years	1.00	1.18	Total	1.04	1.13
Part-time labor force	1.00	1.18	Both sexes, 16-19 years	1.04	1.24

Table I. Factors to be used with Tables, C, E, G, H 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	Factors				
	Year-to-year change of monthly estimate	Quarterly averages	Change in quarterly averages	Yearly averages	Change in yearly averages
Agricultural employment:					
Total or males	1.30	0.89	0.80	0.72	0.70
Females or teenagers (16-19 years)	1.30	.83	.80	.58	.70
Part time	1.40	.74	.80	.46	.70
Labor force data other than agricultural employment data and unemployment data:					
Total or white	1.30	.88	.88	.67	.70
Black and other or teenagers (16-19 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 J. Standard errors for estimates of quarterly level

(In thousands)

Estimated quarterly level	Characteristic								
	Total			Males				Females	
	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	167	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	244	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, C, and D tables)

COLLECTION

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

Federal-State cooperation

Under cooperative arrangements, responding establishments report employment, hours, and earnings data and/or labor turnover 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

Two types of data collection schedules are used: Form BLS 790—Report on Employment, Payroll, and Hours; and Form DL 1219—Monthly Report on Labor Turnover. The collection agency returns the schedule to the respondent each month so that the next month's data can be entered on the space allotted for that month. This "shuttle" procedure assures maximum comparability and accuracy of reporting, since the respondent can see the figures that have been reported for previous months.

Form BLS 790 provides for entry of data on the 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. Form DL 1219 provides for the collection of information on the total number of accessions and separations, by type, during the calendar month, and total employment during the pay period which includes the 12th of the month.

CONCEPTS

Industrial classification

Establishments reporting on Form BLS 790 and Form DL 1219 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. 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, earnings, and labor turnover for the Nation and for most States and areas are classified in accordance with the 1972 *Standard Industrial Classification Manual* (SICM), Office of Management and Budget. 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 sectors.

Industry employment

Employment data, except those for the Federal Government, refer to persons on establishment payrolls who received pay for any part of

the pay period which includes the 12th of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the calendar month. Intermittent workers are counted if they performed any service during the month.

The data exclude proprietors, the self-employed, unpaid volunteer or family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; military personnel are excluded. Employees of the Central Intelligence and National Security Agencies are also excluded.

Persons on establishment payrolls who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during a part of the pay period even though they are unemployed or on strike during the rest of the period are counted as employed. Not counted as employed are persons who are on layoff, on leave without pay, or 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. An exception to the definitions below are the statistics on hours and earnings of Federal Government employees, reported in table C-3, which are for all Federal employees, both supervisory and nonsupervisory, for the entire calendar month. When the pay period reported is longer than 1 week, figures are reduced to a weekly basis.

Production and related workers include working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (e.g., power plant), and recordkeeping and other services closely associated with the above production operations.

Construction workers include the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices, laborers, etc., whether working at the site of construction or in shops or yards, at jobs (such as 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 non-supervisory workers. Included are hours paid for holidays and vacations, and for sick leave when pay is received directly from the firm.

Overtime hours cover hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which includes the 12th of the month. Weekend and holiday hours are included only if overtime premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded. *Gross average hourly and weekly earnings.* Average hourly earnings are on a "gross" basis. They reflect not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. They also reflect shifts in the number of employees between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

Averages of hourly earnings differ from wage rates. Earnings are the actual return to the worker for a stated period of time; rates are the amount stipulated for a given unit of work or time. The earnings series 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 as unpaid absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishment. Group averages further reflect changes in the workweek of component industries.

Average overtime hours. The overtime hours represent that portion of the gross average weekly hours which exceeded regular hours and for which overtime premiums were paid. If an employee were to work on a paid holiday at regular rates, receiving as total compensation his 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 the total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

Spendable average weekly earnings. Spendable average weekly earnings in current dollars are obtained by deducting estimated Federal social security and income taxes from average weekly earnings. The amount of income tax liability depends on the number of dependents supported by the worker, the worker's marital status and level of gross income. To reflect these variables, the Bureau calculates two sets of spendable earnings series based on the assumptions that the worker earned the gross average weekly earnings and was taxed at the rates applicable to either (1) a single worker with no dependents, or (2) a married worker with three dependents who files a joint return. The computations are based on gross average weekly earnings for all production or nonsupervisory workers in the industry division excluding other income and income earned by other family members.

The series reflect the spendable earnings of only those workers, with no dependents or three dependents, whose gross weekly pay approximates the average earnings indicated for all production and nonsupervisory workers. It does not reflect, for example, the average earnings of all married workers with three dependents; such workers, in fact, have higher gross average earnings than workers with no dependents.

Since part-time as well as full-time workers are included, and since the proportion of part-time workers has been rising, the series understates the increase in earnings for full-time workers. As noted, "fringe benefits" are not included in the earnings. For a more complete discussion of the uses and limitations of these series, see the article by Paul Ryscavage, "Two Divergent Measures of Purchasing Power," in the *Monthly Labor Review* for August 1979. Reprints of this article are available upon request from the Bureau of Labor Statistics.

"Real" earnings, or earnings in constant dollars, are computed by dividing the earnings averages for the current month by the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and then multiplying by 100. This is done for gross average weekly earnings and for spendable average weekly earnings. The level of earnings is thus adjusted for changes in the purchasing power of the dollar since the base period (1967).

Average hourly earnings excluding overtime. Average hourly earnings excluding overtime premium pay are computed by dividing the total production-worker payroll for the industry group by the sum of total production-worker hours and one-half of total overtime hours. Prior to January 1956, these data were based on the application of adjustment factors to gross average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 337-40). Both methods eliminate only the earnings due to overtime paid for at 1½ times the straight-time rates. No adjustment is made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

Indexes of aggregate weekly payrolls and hours. The indexes of aggregate weekly payrolls and hours are prepared by dividing the current month's aggregate by the average of the 12 monthly figures for 1967. 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 levels 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 employment over the specified time

span. The indexes are calculated from 172 unpublished seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in "Introduction of Diffusion Indexes," in the December 1974 issue of *Employment and Earnings*.

Labor turnover

Labor turnover is the gross movement of wage and salary workers into and out of employed status with respect to individual establishments. This movement, which relates to a calendar month, is divided into two broad types: *Accessions* (new hires and rehires) and *separations* (terminations of employment initiated by either employer or employee). Each type of action is cumulated for a calendar month and expressed as a rate per 100 employees. The data relate to all employees, whether full- or part-time, permanent or temporary, including executive, office, sales, other salaried personnel, and production workers. The inclusion of transfers to or from another establishment of the company as separations and accessions began January 1959.

Accessions are the total number of permanent and temporary additions to the employment roll, including both new and rehired employees.

New hires are temporary or permanent additions to the employment roll of persons who have never before been employed in the establishment (except employees transferring from another establishment of the same company) or of former employees not recalled by the employer.

Recalls are permanent or temporary additions to the employment roll of persons specifically recalled to a job in the same establishment of the company following a period of layoff lasting more than 7 consecutive days. (The collection of recalls, as a separate item, began January 1976.)

Other accessions are all additions to the employment roll which are not classified as new hires or recalls. These include transfers from other establishments of the company and former employees returning from military leave or other absences without pay who have been counted as separations. Data on other accessions are not published separately but are included in total accessions.

Separations are terminations of employment during the calendar month and are classified according to cause—quits, layoffs, and other separations—defined as follows:

Quits are terminations of employment initiated by employees, failure to report after being hired (if counted as new hires previously), and unauthorized absences, if, on the last day of the month, the person has been absent more than 7 consecutive calendar days.

Layoffs are suspensions without pay lasting or expected to last more than 7 consecutive calendar days, initiated by the employer without prejudice to the worker.

Other separations, which are not published separately but are included in total separations, are terminations of employment because of discharge, permanent disability, death, retirement, transfer to another establishment of the company, and entrance into the Armed Forces for a period expected to last more than 30 consecutive calendar days.

Relationship of labor turnover to employment series

Month-to-month changes in total employment in manufacturing industries reflected by labor turnover rates are not strictly comparable with the changes shown in the Bureau's employment series for the following reasons: (1) Accessions and separations are computed for the entire calendar month; the employment reports refer to the pay period which includes the 12th of the month; and (2) employees on strike are not counted as turnover actions although such employees are excluded from the employment estimates if the work stoppage extends through the report period.

ESTIMATING METHODS

The principal features of the procedure used to estimate employment for the 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 K.

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 K, may be a whole industry or a size stratum, a region stratum, or a size stratum of a region within an industry. The labor turnover estimates are stratified by industry only.

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 1979 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 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 1979 benchmark adjustment is shown in table L.

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 establish-

Table K. Summary of methods for computing industry statistics on employment, hours, earnings, and labor turnover

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
Monthly data		
All employees	All-employees estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months. ¹	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. ²	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. ²	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. ²	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. ²	Average, weighted by aggregate hours, of the average hourly earnings for component cells.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates	The number of particular actions (e.g., quits) in reporting establishments divided by total employment in those firms. The result is multiplied by 100.	Average, weighted by employment, of the rates for component cells.
Annual average data		
All employees, women employees, and production or nonsupervisory workers	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross average weekly hours	Annual total of aggregate hours (production- or nonsupervisory-worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours	Annual total of aggregate overtime hours (production-worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime hours for production workers divided by annual sum of employment for these workers.

See footnotes at end of table.

Table K. Summary of methods for computing industry statistics on employment, hours, earnings, and labor turnover—Continued

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
Annual average data—Continued		
Gross average hourly earnings	Annual total of aggregate payrolls (product of production- or nonsupervisory-worker employment by weekly hours and hourly earnings) divided by annual aggregate hours.	Annual total of aggregate payrolls divided by annual aggregate hours.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates	Annual average aggregate (of each labor turnover action) divided by annual average employment.	Annual average aggregate (of each labor turnover action) divided by annual average employment.

¹ 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.

² The sample production-worker ratio, women-worker ratio, average weekly hours, average overtime hours, and average hourly earnings are modified by a wedging technique designed to com-

pensate 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.

ment." 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, 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 and labor turnover statistics programs, with their emphasis on producing timely data at minimum cost, a sample must be obtained which will provide coverage of a sufficiently large segment of the universe to provide reasonably reliable estimates that can be published promptly and regularly. The present sample meets these specifications for most industries. With its use, the BLS is able to produce preliminary estimates each month for many industries and for many geographic levels within a few weeks after 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 M shows the approximate proportion of total employment in each industry division covered by the group of establishments furnishing monthly employment data. The coverage for individual industries within the division may vary from the proportions shown. Table N shows the approximate coverage, in terms of employment, of the labor turnover sample.

Table L. Comparison of nonagricultural employment benchmarks and estimates for March 1979

Industry division	Benchmark March 1979	Estimate March 1979	Percent difference
Total	88,654	88,207	0.5
Mining	928	926	.2
Construction	4,093	4,226	-3.2
Manufacturing	20,972	20,887	.4
Transportation and public utilities	5,045	5,060	-.3
Wholesale and retail trade	19,809	19,690	.6
Finance, insurance, and real estate	4,876	4,870	.1
Services	16,829	16,749	.5
Government	16,102	15,799	1.9

Table M. Approximate size and coverage of BLS employment and payrolls sample, March 1979¹

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	166,200	34,701,000	39
Mining	2,200	366,000	39
Construction	16,300	736,000	18
Manufacturing	45,200	11,580,000	55
Transportation and public utilities:			
Railroad transportation (ICC)	40	489,000	91
Other transportation and public utilities ..	7,500	2,305,000	51
Wholesale and retail trade	41,800	3,408,000	17
Finance, insurance, and real estate	10,900	1,779,000	38
Services	24,500	3,257,000	19
Government:			
Federal ²	4,700	2,740,000	100
State and local	13,100	8,041,000	60

¹ 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.

² National estimates of Federal employment by agency are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 4,700 reports covering about 55 percent of employment in Federal establishments.

Table N. Approximate size and coverage of BLS labor turnover sample, March 1979

Industry	Employees	
	Number reported	Percent of total
Total	9,987,000	44
Manufacturing	9,093,000	43
Mining	194,000	21
Telephone communication	700,000	68

Reliability of the employment estimates

Although the relatively large size of the BLS establishment sample assures a high degree of accuracy, the estimates derived from it may differ from the figures that would be obtained if it were possible to take a complete census using the same schedules and procedures. As discussed under the previous section, a "link relative" technique is used to estimate employment. This requires the use of the previous month's estimate as the base in computing the current month's estimate. Thus, small sampling and response errors may cumulate over several months. To remove this accumulated error, the estimates are usually adjusted annually to new benchmarks. In addition to taking account of sampling and response errors, the benchmark revision

adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Table O presents the average percent revisions of the five most recent benchmarks (excluding the March 1973 adjustment) for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

Table O. Average benchmark percent 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 ¹	Relative errors ² (in percent)	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment	0.3	—	—
Total private .....	.3	0.1	0.2
Mining	1.1	.5	.5
Contract construction	1.7	.2	.3
Manufacturing .....	.3	.1	.1
Durable .....	.4	.1	.1
Nondurable goods .....	.4	.1	.1
Transportation and public utilities .....	.4	.7	.4
Trade .....	.3	.1	.2
Wholesale .....	.9	.2	.3
Retail .....	.2	.2	.2
Finance, insurance, and real estate .....	.5	.2	.4
Services .....	.6	.4	.8
Government ³ .....	.5	—	—

¹ The average percent revision in employment for the following benchmarks: 1970, 1971, 1974, 1978 and 1979.

² Relative errors relate to March 1971 data.

³ 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.

The hours and earnings estimates for basic estimating cells are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. The hours and earnings estimates, however, are subject to sampling errors which may be expressed as relative errors of the estimates. (A relative error is a standard error expressed as a percent of the estimate.) Relative errors for major industries are presented in table O and for individual industries with the specified number of employees in table P. The chances are about 2 out of 3 that the hours and earnings estimates from the sample would differ by a smaller percentage than the relative error from the averages that would have been obtained from a complete census.

One measure of the reliability of the employment estimates for individual industries is the root-mean-square error (RMSE). The measure is the standard deviation adjusted for the bias in estimates:

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

If the bias is small, the chances are about 2 out of 3 that an estimate from the sample would differ from its benchmark by less than the root-mean-square error. The chances are about 19 out of 20 that the difference would be less than twice the root-mean-square error.

Approximations of the root-mean-square errors (based on the most recent benchmark revisions) of differences between final estimates and benchmarks are presented in table P.

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 ¹	Relative errors ² (in percent)	
		Average weekly hours	Average hourly earnings
50,000	2,100	0.9	1.5
100,000	4,400	.7	1.1
200,000	7,100	.5	.9
500,000	15,200	.4	.8
1,000,000	17,100	.3	.5
2,000,000	28,500	.3	.5

¹ Assuming 12-month intervals between benchmark revisions.

² Relative errors relate to March 1971 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, earnings, and labor turnover data are collected and prepared by State agencies in cooperation with BLS. The area statistics relate to metropolitan areas. Definitions for all areas are published each year in the issue of *Employment and Earnings* that contains State and area annual averages (usually the May issue). Changes in definitions are noted as they occur. Additional industry detail may be obtained from the State agencies listed on the inside back cover of each issue. These statistics are based on the same establishment reports used by BLS for preparing national estimates. For employment, the sum of the State figures may differ slightly from the equivalent official U.S. totals on a national basis, because some States have more recent benchmarks than others and because of the effects of differing industrial and geographic stratification.

For the States and the areas shown in the B and C sections of this periodical, all the annual average data for the detailed industry statistics currently published by each cooperating State agency are presented (from the earliest date of availability of each series) in a summary volume published annually by the BLS.

Table Q. Errors of preliminary employment estimates

Category	Root-mean-square error of—	
	Monthly level	Month-to-month change
INDUSTRY DIVISIONS		
Total nonagricultural employment	69,000	63,000
Mining	5,000	5,000
Contract construction	21,000	19,000
Manufacturing	25,000	24,000
Durable two-digit industries	3,700	3,500
Nondurable two-digit industries	2,500	2,500
Transportation and public utilities	14,000	14,000
Wholesale and retail trade	30,000	26,000
Finance, insurance, and real estate	7,000	6,000
Services	30,000	25,000
Government	43,000	36,000
DETAILED INDUSTRIES: SIZE OF EMPLOYMENT ESTIMATE		
50,000	300	400
100,000	700	700
200,000	1,100	1,100
500,000	3,900	4,100
1,000,000	3,800	3,900
2,000,000	6,000	6,100

NOTE: Division level data are based on differences from January 1974 through March 1980. Detailed industry data are based on differences from August 1978 through June 1979.

PRODUCTIVITY DATA

Tables C-10, C-11, and C-12 are compiled by the Bureau of Labor Statistics from establishment data and from estimates of compensation and gross national product supplied by the U.S. Department of Commerce and the Federal Reserve Board.

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 labor input, or labor productivity, measure changes in the volume of goods and services produced per unit of labor.

Compensation per hour includes wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. The data also include an estimate of wages, salaries, and supplementary payments for the self-employed, except for nonfinancial corporations, in which there are no self-employed.

Real compensation per hour is compensation per hour adjusted to eliminate the effect of changes in the Consumer Price Index for All Urban Consumers (CPI-U).

Unit labor costs measure the labor compensation cost required to produce one unit of output and are derived by dividing compensation per hour by output per hour. *Unit nonlabor payments* include profits, depreciation, interest, and indirect taxes per unit of output. They are computed by subtracting compensation of all persons from the current-dollar gross national product and dividing by output. In these tables, unit nonlabor costs contain all the components of unit nonlabor payments except unit profits. *Unit profits* include corporate profits and inventory valuation adjustments per unit of output.

The *implicit price deflator* is derived by dividing the current-dollar estimate of gross product by the constant-dollar estimate, making the deflator, in effect, a price index for gross product of the sector reported.

Notes on the data

For the private business sector and the nonfarm business sector, these indexes relate to the gross domestic product less household and institutions, owner-occupied housing, and statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the gross domestic product of nonfinancial corporate business.

Manufacturing data have been revised to reflect revisions in the Federal Reserve Board Index of Industrial Production. Output data are supplied by the Bureau of Economic Analysis, U.S. Department of Commerce, and the Federal Reserve Board. Quarterly measures have been adjusted by the Bureau of Labor Statistics to annual estimates of output (gross product originating) from the Bureau of Economic Analysis. Compensation and hours data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics.

State and Area Unemployment Data (E tables)

FEDERAL-STATE COOPERATIVE PROGRAM

Labor force and unemployment estimates for States, labor market areas (LMA's), and other areas covered under Federal assistance programs are developed by State employment security agencies under a Federal-State cooperative program. The local unemployment estimates which are derived from standardized procedures developed by BLS are the basis for determining eligibility of an area for benefits under Federal programs such as the Comprehensive Employment and Training Act, the Public Works Employment Act, and the Public Works and Economic Development Act.

ESTIMATING METHODS

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

Monthly employment and unemployment estimates in the remaining 40 States and 214 labor market areas are prepared in several stages.

1. *Preliminary estimate—employment:* The total employment estimate is based primarily on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate must be adjusted to refer to place of residences as used in the CPS. Factors for adjusting from place of work to place of residence have been developed for the major categories of employment by class of worker and industry on the basis of employment relationships which existed at the time of the 1970 Decennial Census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates.

2. *Preliminary estimate—unemployment:* In the current month, the estimate of unemployment is an aggregate of the estimates for each of three building block categories: (1) Persons who were previously employed in industries covered by State unemployment insurance (UI) laws; (2) those previously employed in industries not covered by these laws; and (3) those who were either 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 unemployment insurance claimants, plus estimates of claimants whose benefits have been exhausted, those persons disqualified from receiving benefits for nonmonetary reasons (because they quit, were discharged for cause, etc., but would otherwise have been eligible), and persons who either filed claims late or not at all.

The estimate of those previously employed in industries not covered by UI is derived by applying to the employment estimate for each non-covered industry or class of worker subgroup in the State, the ratio of covered unemployment to covered employment weighted by factors reflecting national historical relationships.

For the third category, new entrants and reentrants into the labor force, a composite estimate is developed from equations that relate the total entrants into the labor force to the experienced unemployed and the experienced labor force. For each month, the estimate of entrants into the labor force is a function of: (a) the month of the year; (b) the level of the experienced unemployed; (c) the level of the experienced labor force; and (d) proportion of the working age population that is considered "youth." The composite estimate of total entrants is defined as:

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

U = total entrant unemployment

E = total employment

X = total experienced unemployment

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

3. *Correction factors for employment and unemployment* are then applied at the State level to the UI-based estimates obtained above for each of the 40 States and the District of Columbia. These correction factors are based on the ratio of the CPS to the UI-based estimates for the 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 both for the State (obtained directly from the CPS in the 10 large States or by the UI-based method in the remaining States), and labor market areas (LMA's)

within the State. The total 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 State employment security agencies using UI-based estimating procedures are adjusted, or benchmarked, by BLS to the annual average CPS estimates for the 40 States for which monthly

CPS estimates are not available. This adjustment is necessary because the State-prepared estimates are not as reliable as the CPS annual averages due to differences in State UI laws, the structural limitations of the UI-based estimating method, and errors in the UI data.

The benchmarked estimates are produced in three stages. First, the monthly UI-based estimates are adjusted by the ratio of the CPS to the UI-based annual averages. Second, the difference between the ratio of annual averages for two consecutive years is wedged into the monthly estimates in order to minimize the disturbance to the original series. Finally, the second-stage estimates are forced into agreement with CPS annual averages. In the 10 States which use CPS estimates monthly, no benchmark correction is required, as the average of the 12 monthly State CPS estimates will equal the CPS annual averages.

Seasonal adjustment

Over a 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 data are published regularly in *Employment and Earnings*.

The seasonal adjustment programs used for these series are based on an *adaptation* of the standard ratio-to-moving average method. They provide for "moving" adjustment factors to take account of changing seasonal patterns. A detailed description of the method is given in the publication, *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, the 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 that use of the X-11 ARIMA procedure, which essentially places more emphasis on recent data, provides better seasonal adjustments than does the X-11 method alone.

The second change is that seasonal factors are now being calculated for use during the first 6 months of the year rather than for the entire year. In July of each year, the BLS will calculate and publish (in *Employment and Earnings*) a new 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 will continue to be made once a year, at the beginning of each calendar year.

All civilian labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. For example, for each of the three major labor force components—agricultural employment, nonagricultural employment, and unemployment—data for four sex-age groups (males and females under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. In order to provide seasonally adjusted total employment and civilian labor force estimates, the appropriate series are aggregated. The official unemployment rate for all civilian workers is derived by dividing the estimate for total unemployment (the sum of 4 seasonally adjusted sex-age components) by the civilian labor force (the sum of 12 seasonally adjusted sex-age components).

Revised seasonally adjusted data for selected labor force series based on the experience through December 1980, new seasonal adjustment factors to be used to calculate the overall unemployment rate for the first 6 months of 1981, and a description of the current seasonal adjustment methodology are published in the January 1981 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the entire 5-year revision period for a broader range of labor force series appear in the February 1981 issue of this publication. Many additional series, which are either components or aggregates of the series presented, are available from the 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 of 1980. The ARIMA model options for projecting the data series for 1 year ahead have not been used in seasonally adjusting the establishment series.

Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and seasonally adjusted weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted 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 1967 base. For total private, total goods-producing, private service-producing, trade, manufacturing, and durable and nondurable goods industries, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1967 base.

Seasonal factors were not computed for a number of series characterized by small seasonal components relative to their trend-cycle and/or irregular components. These unadjusted series are shown and used in the aggregation to broader level seasonally adjusted series.

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Postal Service in December. The employment of these workers constitutes the only significant seasonal change in Federal Government employment during the winter months. Further-

more, the volume of such employment may change substantially from year to year because of administrative decisions by the Postal Service. Hence, it was considered desirable to exclude this group from the data upon which the seasonally adjusted series is based.

For labor turnover rates, seasonal adjustment factors are applied directly to the component series. These series are then aggregated to obtain total levels (total accessions and total separations). These factors are derived by the *X-11 ARIMA Method* using the trading day option. As a result, these series are adjusted for the number of times each day of the week occurs in a given month, as well as for the month of the year.

The revised seasonally adjusted series for the establishment data reflect experience through March 1980. Seasonal factors to be used for current adjustment appear in the July 1980 issue of *Employment and Earnings*.

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State and local area Unemployment Statistics Program (LAUS), Current Employment Statistics Program (CES), and Labor Turnover Statistics Program (LTS)

BLS Region	Agency
I - ALABAMA	Department of Industrial Relations, Industrial Relations Building, Room 427, Montgomery 36130
X - ALASKA	Employment Security Division, Department of Labor, P.O. Box 3-7000, Juneau 99802
X - ARIZONA	Department of Economic Security, P.O. Box 6123, Phoenix 85005
VI - ARKANSAS	Employment Security Division, Department of Labor, P.O. Box 2981, Little Rock 72204
IX - CALIFORNIA	Employment Development Department, P.O. Box 1679, Sacramento 95833 (CES - Division of Employment and Training, 1278 Lincoln Street, Denver 80203)
III - CONNECTICUT	Employment Security Division, Labor Department, 200 Fort, Brook Boulevard, Wethersfield 06109
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III - DIST. OF CO.	Office of Administration and Management Services, Dept. of Department of Manpower, Suite 1000, 605 G Street, N.W., Washington 20001
IV - FLORIDA	Department of Labor and Employment Security, 1726 South Gadsden, Tallahassee 32301
X - GEORGIA	Department of Labor, 254 Washington Street, S.W., Atlanta 30334
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II - KANSAS	Division of Employment, Department of Human Resources, 401 Indiana Avenue, Topeka 66603
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