

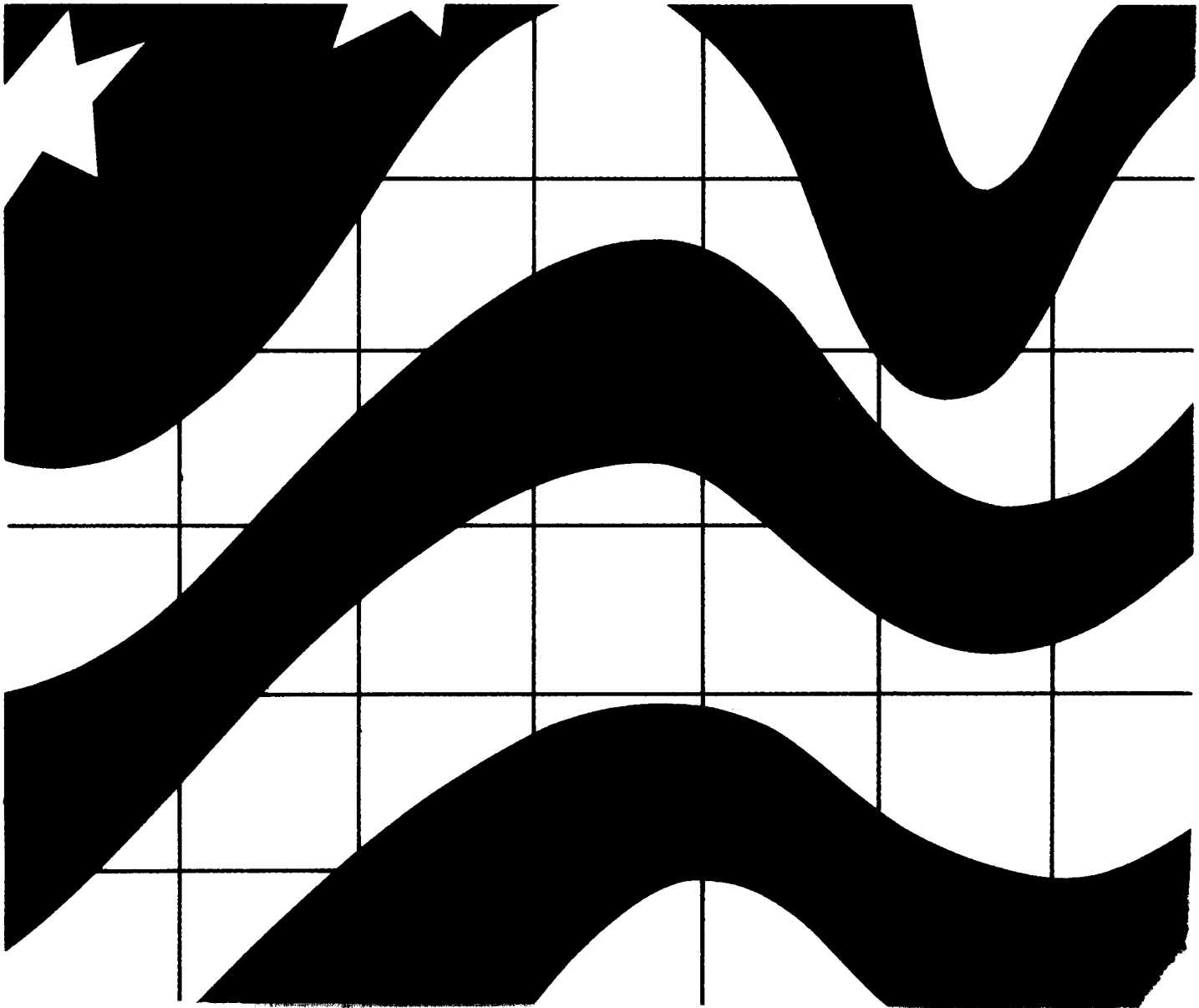
Employment and Earnings

October 1976



U.S. Department of Labor
Bureau of Labor Statistics

Vol. 23 No. 4





U.S. DEPARTMENT OF LABOR

W. J. Usery, Jr., Secretary

BUREAU OF LABOR STATISTICS

Julius Shiskin, Commissioner

Employment and Earnings is prepared by the Division of Industry Employment Statistics and the Division of Employment and Unemployment Analysis in collaboration with the Division of Special Publications. The data are collected by the Bureau of the Census (Department of Commerce), Employment and Training Administration, State Employment Security Agencies, and State Departments of Labor in cooperation with the Bureau of Labor Statistics. A brief description of the cooperative statistical programs of the BLS with these agencies is presented in the Explanatory Notes. The State agencies are listed on the inside back cover.

Employment and Earnings may be ordered through the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Subscription price per year \$24 domestic, and \$30 foreign. Single copy \$2.70. Prices are subject to change by the U.S. Government Printing Office.

Communications on editorial matters should be addressed to the Editor, Employment and Earnings, Bureau of Labor Statistics, Washington, D.C. 20212 Phone: (202) 523-1461. Send correspondence on circulation and subscription matters (including address changes) to the Superintendent of Documents.

The Secretary of Labor has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through February 28, 1981. Controlled circulation postage paid at Washington, D.C. and Baltimore, Md.

Library of Congress Catalog Number 70-11379.

Unless identified as copyrighted, articles and tabulations in this publication are in the public domain and may be reproduced without permission of the Federal Government. Please credit *Employment and Earnings*, Bureau of Labor Statistics.

Employment and Earnings

Vol. 23 No. 4 October 1976

Joseph M. Finerty, Editor
 Gloria P. Green, Associate Editor
 James A. McCall, Associate Editor

CONTENTS

	Page
List of statistical tables	2
Employment and unemployment developments, September 1976	5
Charts	7
Statistical tables:	
Monthly household data	19
Quarterly averages—household data	49
Corrected quarterly averages—household data	64
Monthly establishment data	67
Monthly State and area unemployment data	128
Monthly unemployment insurance data	133
Explanatory notes	135

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:											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Oct.	Nov.	Dec.
Household data											
Annual averages	x										
Revised seasonally adjusted series		x									
Quarterly averages:											
Seasonally adjusted data											
Persons not in labor force											
Persons of Spanish origin											
Vietnam-Era veterans and nonveterans	x			x			x		x		
Poverty-nonpoverty area data											
Establishment data											
National annual averages:											
Industry divisions (preliminary)	x										
Industry detail (final)			x								
Women employment (National)		x			x			x		x	
National data adjusted to new benchmarks									(1)		
Revised seasonally adjusted series									(1)		
State and area annual averages					x						
Area definitions					x						

¹ The issue that introduces the establishment data adjusted to new benchmarks varies. The October 1975 issue marks the introduction of March 1974 benchmarks.

MONTHLY HOUSEHOLD DATA

Page

Employment Status

A- 1: Employment status of the noninstitutional population, 1929 to date	19
A- 2: Employment status of the noninstitutional population 16 years and over by sex, 1947 to date	20
A- 3: Employment status of the noninstitutional population by sex, age, and race	21
A- 4: Labor force by sex, age, and race	23
A- 5: Employment status of black workers by sex and age	25
A- 6: Employment status of the noninstitutional population by sex, age, and race	26
A- 7: Employment status of the noninstitutional population 16-21 years of age by race and sex	26
A- 8: Full- and part-time status of the civilian labor force by sex, age, and race	27

Characteristics of the Unemployed

A- 9: Unemployed persons by sex and age	28
A-10: Unemployed persons by marital status, sex, age, and race	28
A-11: Unemployed persons by occupation of last job and sex	29
A-12: Unemployed persons by industry of last job and sex	29
A-13: Unemployed persons by reason for unemployment, sex, age, and race	30
A-14: Unemployed persons by reason for unemployment, duration, sex, and age	30
A-15: Unemployed jobseekers by the jobsearch methods used, sex, age, and race	31
A-16: Unemployed jobseekers by the jobsearch methods used, sex, and reason for unemployment	31
A-17: Unemployed persons by duration of unemployment	32
A-18: Unemployed persons by duration, sex, age, race, and marital status	32
A-19: Unemployed persons by duration, occupation, and industry of last job	33

Characteristics of the Employed

A-20: Employed persons by sex and age	33
A-21: Employed persons by occupation, sex, and age	34
A-22: Employed persons by occupation, sex, and race	35
A-23: Employed persons by class of worker, age, and sex	36
A-24: Employed persons by industry and occupation	36
A-25: Employed persons with a job but not at work by reason, pay status, and sex	37
A-26: Persons at work by type of industry and hours of work	37
A-27: Persons at work 1-34 hours by usual status and reason working less than 35 hours	38
A-28: Nonagricultural workers by industry and full- or part-time status	38
A-29: Persons at work in nonagricultural industries by full- or part-time status, sex, age, race, and marital status	39
A-30: Persons at work in nonfarm occupations by full- or part-time status and sex	40

Characteristics of 14 and 15 year-olds

A-31: Employment status of 14-15 year-olds by sex and race	41
A-32: Employed 14-15 year-olds by sex, class of worker, and occupation	41

Seasonally Adjusted Employment and Unemployment Data

A-33: Employment status of the noninstitutional population by sex and age, seasonally adjusted	42
A-34: Full- and part-time status of the civilian labor force, seasonally adjusted	42
A-35: Employment status by race, sex, and age, seasonally adjusted	43
A-36: Major unemployment indicators, seasonally adjusted	44
A-37: Unemployed persons by duration of unemployment, seasonally adjusted	44
A-38: Rates of unemployment by sex and age, seasonally adjusted	45
A-39: Unemployed persons by reason for unemployment, seasonally adjusted	45
A-40: Employed persons by sex and age, seasonally adjusted	46
A-41: Employed persons by selected social and economic categories, seasonally adjusted	47

Characteristics of Vietnam-Era Veterans and Nonveterans

A-42: Employment status of male Vietnam-era veterans and nonveterans 20 to 34 years of age	48
---	----

QUARTERLY HOUSEHOLD DATA

Page

Seasonally Adjusted Employment and Unemployment Data

A-43: Employment status of the noninstitutional population by sex, age, and race, seasonally adjusted	49
A-44: Full- and part-time status of the civilian labor force by sex and age, seasonally adjusted	50
A-45: Employment status by race, sex, and age, seasonally adjusted	51
A-46: Major unemployment indicators, seasonally adjusted	52
A-47: Unemployed persons by duration of unemployment, seasonally adjusted	53
A-48: Rates of unemployment by sex and age, seasonally adjusted	53
A-49: Unemployed persons by reason for unemployment, seasonally adjusted	54
A-50: Employed persons by sex and age, seasonally adjusted	54
A-51: Employed persons by selected social and economic categories, seasonally adjusted	55

Persons Not In Labor Force

A-52: Job desire of persons not in labor force by current activity, reasons for not seeking work, sex, and race, seasonally adjusted	56
A-53: Job desire of persons not in labor force and reasons for not seeking work by age and sex	57
A-54: Job desire of persons not in labor force and reasons for not seeking work by age, race, and sex	58
A-55: Persons not in labor force who desire work but think they cannot get jobs by age, race, sex, and detailed reason	58
A-56: Most recent work experience of persons not in labor force and reason for leaving last job for those who worked during previous 12 months by age, race, and sex	59
A-57: Work-seeking intentions of persons not in labor force and work history of those who intend to seek work within next 12 months by age, race, and sex	59

Persons of Spanish Origin

A-58: Employment status of the civilian noninstitutional population and the white, black, and Spanish origin components by sex and age	60
--	----

Vietnam-Era Veterans and Nonveterans Data

A-59: Employment status of male Vietnam-era veterans and nonveterans 20 to 34 years of age	61
A-60: Employment status of male Vietnam-era veterans and nonveterans 20 to 34 years by age and race	62

Metropolitan-nonmetropolitan and Poverty-nonpoverty Area Data

A-61: Employment status of the population in metropolitan-nonmetropolitan areas by sex, age, and race	63
A-62: Employment status of the population in poverty and nonpoverty areas by race	65
A-63: Unemployment rates for selected labor force groups in poverty and nonpoverty areas by sex, age, and race	65

MONTHLY ESTABLISHMENT DATA

Employment—National

B- 1: Employees on nonagricultural payrolls by industry division, 1919 to date	67
B- 2: Employees on nonagricultural payrolls, by industry	68
B- 3: Women employees on nonagricultural payrolls, by industry	----
B- 4: Indexes of employment on nonagricultural payrolls, by industry division, 1919 to date, monthly data seasonally adjusted	76
B- 5: Employees on nonagricultural payrolls, by industry, seasonally adjusted	77
B- 6: Production or nonsupervisory workers on private nonagricultural payrolls, seasonally adjusted	78
B- 7: Indexes of diffusion: Percent of industries in which employment increased, 1973 to date	79

¹ Monthly data in February, May, August, and November issues; annual averages in March issue.

MONTHLY ESTABLISHMENT DATA—Continued

Page

Employment—State and Area

B- 8: Employees on nonagricultural payrolls for States and selected areas, by industry division	80
---	----

Hours and Earnings—National

C- 1: Gross hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls, 1955 to date	91
C- 2: Gross hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls, by industry	92
C- 3: Employment, hours, and indexes of earnings in the Executive Branch of the Federal Government	106
C- 4: Average hourly earnings excluding overtime of production workers on manufacturing payrolls, by industry	106
C- 5: Gross and spendable average weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, in current and 1967 dollars	107
C- 6: Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers on private nonagricultural payrolls	108
C- 7: Average weekly hours of production or nonsupervisory workers on private nonagricultural payrolls, by industry division and major manufacturing group, seasonally adjusted	110
C- 8: Average hourly and weekly earnings of production or nonsupervisory workers on private non-agricultural payrolls, seasonally adjusted	110
C- 9: Indexes of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted	111
C-10: Hours of wage and salary workers in nonagricultural establishments, by industry division	111
C-11: Indexes of output and compensation per hour, unit costs, and prices, private business sector, seasonally adjusted	112
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	113

Hours and Earnings—State and Area

C-13: Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas	114
---	-----

Labor Turnover—National

D- 1: Labor turnover rates in manufacturing, 1965 to date	119
D- 2: Labor turnover rates, by industry	120
D- 3: Labor turnover rates in manufacturing, 1965 to date, seasonally adjusted	124

Labor Turnover—State and Area

D- 4: Labor turnover rates in manufacturing for selected States and areas	125
---	-----

MONTHLY STATE AND AREA UNEMPLOYMENT DATA

E- 1: Labor force and unemployment by State and selected areas	128
--	-----

MONTHLY UNEMPLOYMENT INSURANCE DATA

F- 1: Insured unemployment under State programs	133
F- 2: Insured unemployment in 150 major labor areas	134

Employment and Unemployment Developments: September 1976

Both unemployment and total employment were little changed in September. The overall rate of unemployment was 7.8 percent, about the same as in the prior 2 months but above this year's low of 7.3 percent reached in May.

Total employment—as measured by the monthly survey of households—also remained at about the same level for the second straight month: 87.8 million persons. The September employment total was 3.7 million above the March 1975 recession low, an average monthly gain of 206,000.

Nonfarm payroll employment—as measured by the monthly survey of establishments—did continue to rise in September, moving up by 240,000 to 79.6 million. An estimated 100,000 of this increase was accounted for by the return of striking workers to their jobs. The payroll job count was up 3.2 million from its June 1975 low.

Unemployment

Both the number of persons unemployed and the unemployment rate were about unchanged in September. Unemployment totaled 7.4 million, seasonally adjusted, compared with 7.5 million in August. The rate of unemployment—the proportion of the labor force looking for work—was 7.8 percent; it had been 7.9 percent in August and 7.8 percent in July. The average duration of joblessness also showed little change over the month.

Despite the stability in overall joblessness, there were divergent movements among several major labor force groups. The unemployment rate for teenagers fell from 19.7 to 18.6 percent, following a rise of similar magnitude in August. Countering this decline was a small rise in the jobless rate for adult men, which returned to the July level of 6.1 percent. The adult male increase was also reflected in higher unemployment rates among married men and male household heads, as well as a substantial rise in joblessness of Vietnam-era Veterans. The adult female rate—7.5 percent—was about the same as in July and August.

The jobless rate for black workers edged down to 12.7 percent in September from 13.6 percent in August. The rate for white workers, on the other hand, was 7.1 percent for the third consecutive month.

In contrast to the lack of change in total joblessness, there was an increase of 300,000 in the number of persons working part time because of economic factors to over 3.3 million, a return to the May level. These persons wish to work full time but are on reduced workweeks involuntarily.

Total employment and the labor force

Total employment, at 87.8 million in September, was about unchanged from the levels of the previous 2 months. Over the month, teenage employment edged down, while there was little change among adult workers. The recent stability notwithstanding, the September total was 3.7 million above the March 1975 recession low.

The civilian labor force declined by 280,000 in September to a level of 95.2 million. Labor force growth has been strong in recent months, however, and has totaled 2.2 million over the past year, with 1.4 million of the increase occurring among adult women and almost 800,000 among adult men.

Discouraged workers

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

As shown in table A-52, the number of discouraged workers declined in the third quarter of 1976, continuing the downward trend in evidence over the past year. At 820,000, their number was at its lowest point in 2 years, almost 350,000 below the year-earlier peak level. The decline was about proportionately divided

among men and women and also among white and black workers. The entire improvement has come among persons citing job market factors as the reason for their discouragement.

Industry payroll employment

Nonagricultural payroll employment increased by 240,000 in September to 79.6 million, seasonally adjusted. After allowance for a strike return of 100,000, the September gain was on a par with the revised August increase. Over-the-month additions occurred in two-thirds of the 172 industries that comprise the BLS diffusion index of nonagricultural payroll employment. Since the June 1975 cyclical low, payroll jobs have risen by 3.2 million, an average gain of 215,000 per month.

Manufacturing employment, which had shown little growth since April, rose 145,000 in September. Although the larger portion of the rise occurred in the nondurable goods sector, the gain was largely a result of 60,000 workers returning from strike in the rubber industry. In the durable goods sector, increases were posted in the lumber, furniture, primary metals, and machinery industries. The number of manufacturing payroll jobs now stands 1.0 million above the July 1975 low but was still 1.3 million short of the December 1973 pre-recession peak.

Other major industry divisions contributing to the overall increase in nonagricultural payroll jobs were wholesale trade (30,000); finance, insurance, and real estate (30,000); and services (60,000). Mining payrolls rose by 40,000, due entirely to the return to work of striking coal miners. Employment in State and local government declined.

Hours

The average workweek for private nonagricultural production or nonsupervisory workers was 36.0 hours

in September (seasonally adjusted), down 0.2 hour from August. This was the lowest level recorded for this series since June and July of last year.

The manufacturing workweek fell 0.3 hour to 39.6 hours, the second straight monthly decline. Overtime hours in manufacturing averaged 3.0 hours, unchanged from August.

The index of aggregate hours of private nonagricultural production or nonsupervisory workers edged up to 111.2 in September and was 5.0 percent above the March 1975 cyclical low. The aggregate index for manufacturing was also up slightly over the month, to 94.0, while there was an 8.8-percent increase from March 1975.

Hourly and weekly earnings

Average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls rose 0.4 percent over the month (seasonally adjusted). Average weekly earnings fell 0.1 percent in September reflecting the shorter workweek.

Before adjustment for seasonality, average hourly earnings were \$4.95 in September, up 7 cents from August. Hourly earnings have risen 31 cents since September 1975. Weekly earnings increased 58 cents over the month to \$179.19. Weekly earnings were up \$10.76 from last September.

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 187.1 (1967=100) in September, 0.1 percent higher than in August. The index was 6.8 percent above September a year ago. During the 12-month period ended in August, the Hourly Earnings Index in dollars of constant purchasing power rose 1.4 percent.

CHARTS

Page

1.	Labor force and employment, 1957-76	7
2.	Major unemployment indicators, 1957-76	8
3.	Civilian labor force participation rates by sex and age, 1957-76	8
4.	Total employment by sex and age, 1957-76	9
5.	Employment-population ratios by sex and age, 1957-76	10
6.	Payroll employment in goods- and service-producing industries, 1957-76	10
7.	Nonagricultural payroll employment by industry, 1957-76	11
8.	Persons at work full and part time in nonagricultural industries, 1957-76	12
9.	Employment in nonfarm occupations, 1958-76	13
10.	Unemployment rates by sex and age, 1957-76	14
11.	Unemployment rates by race, 1957-76	14
12.	Unemployment rates by major occupational groups, 1958-76	15
13.	Duration of unemployment, 1957-76	16
14.	Average weekly hours in nonagricultural industries, 1957-76	17
15.	Average weekly earnings in nonagricultural industries, 1957-76	17
16.	Total private gross and spendable weekly earnings, 1957-76	18
17.	Labor turnover rates in manufacturing, 1957-76	18

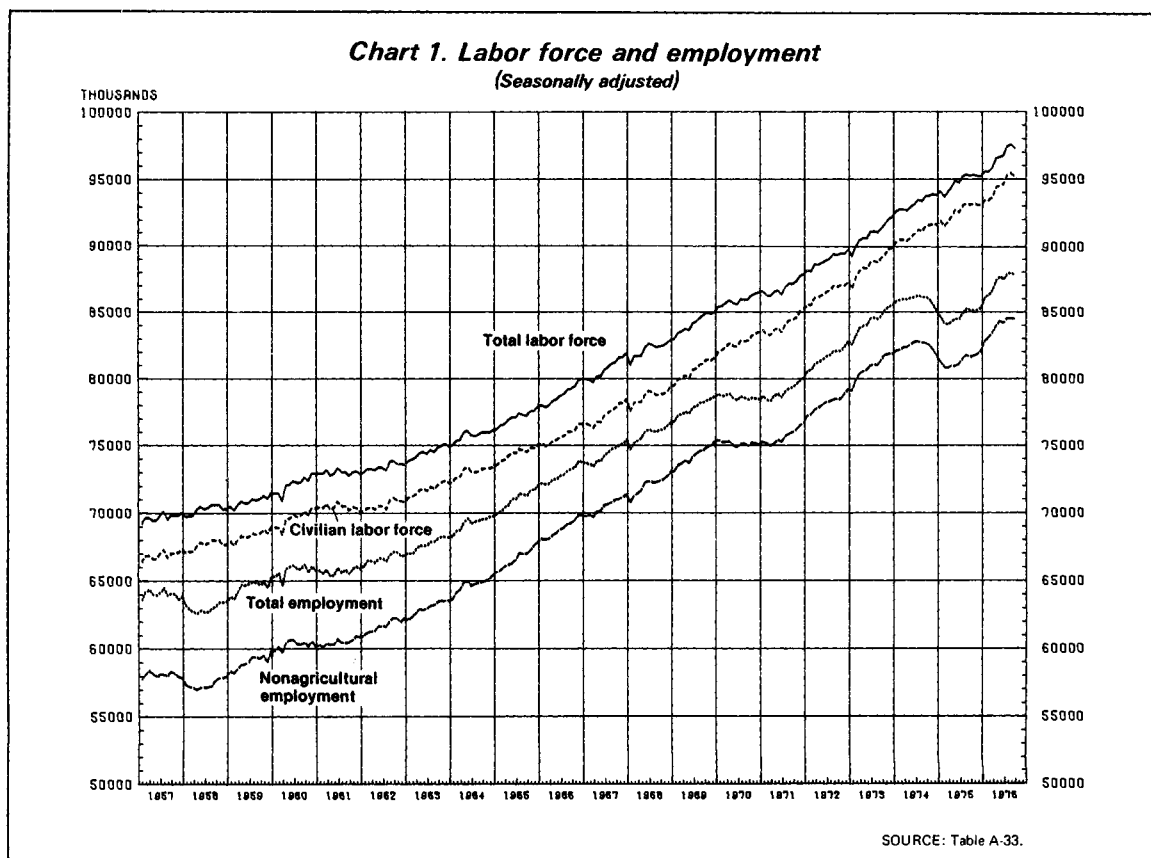
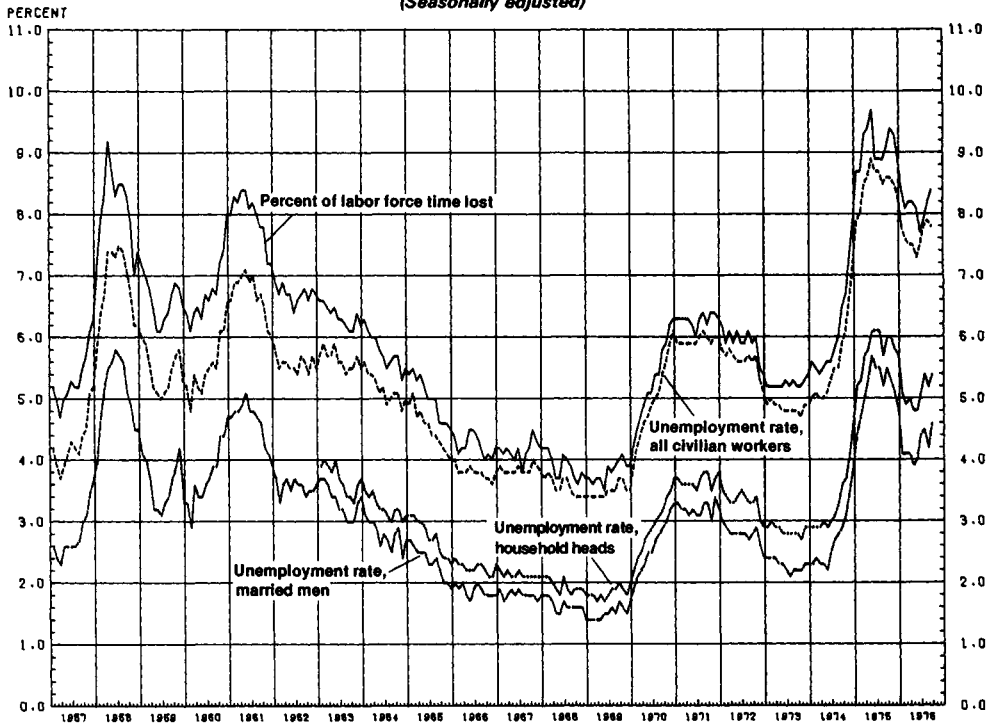
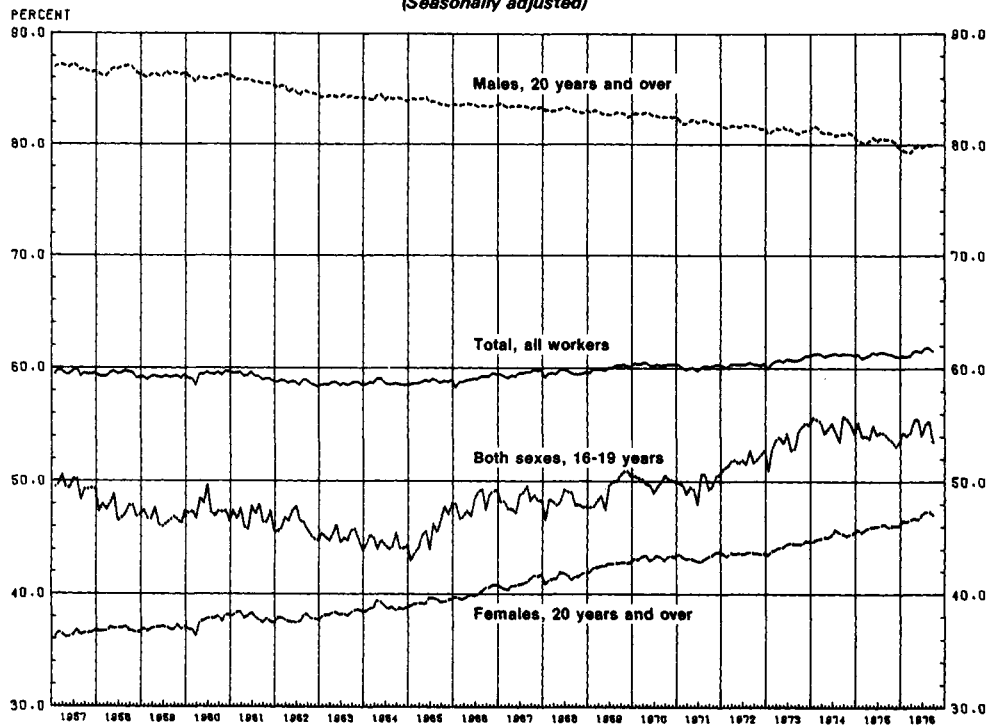


Chart 2. Major unemployment indicators
(Seasonally adjusted)



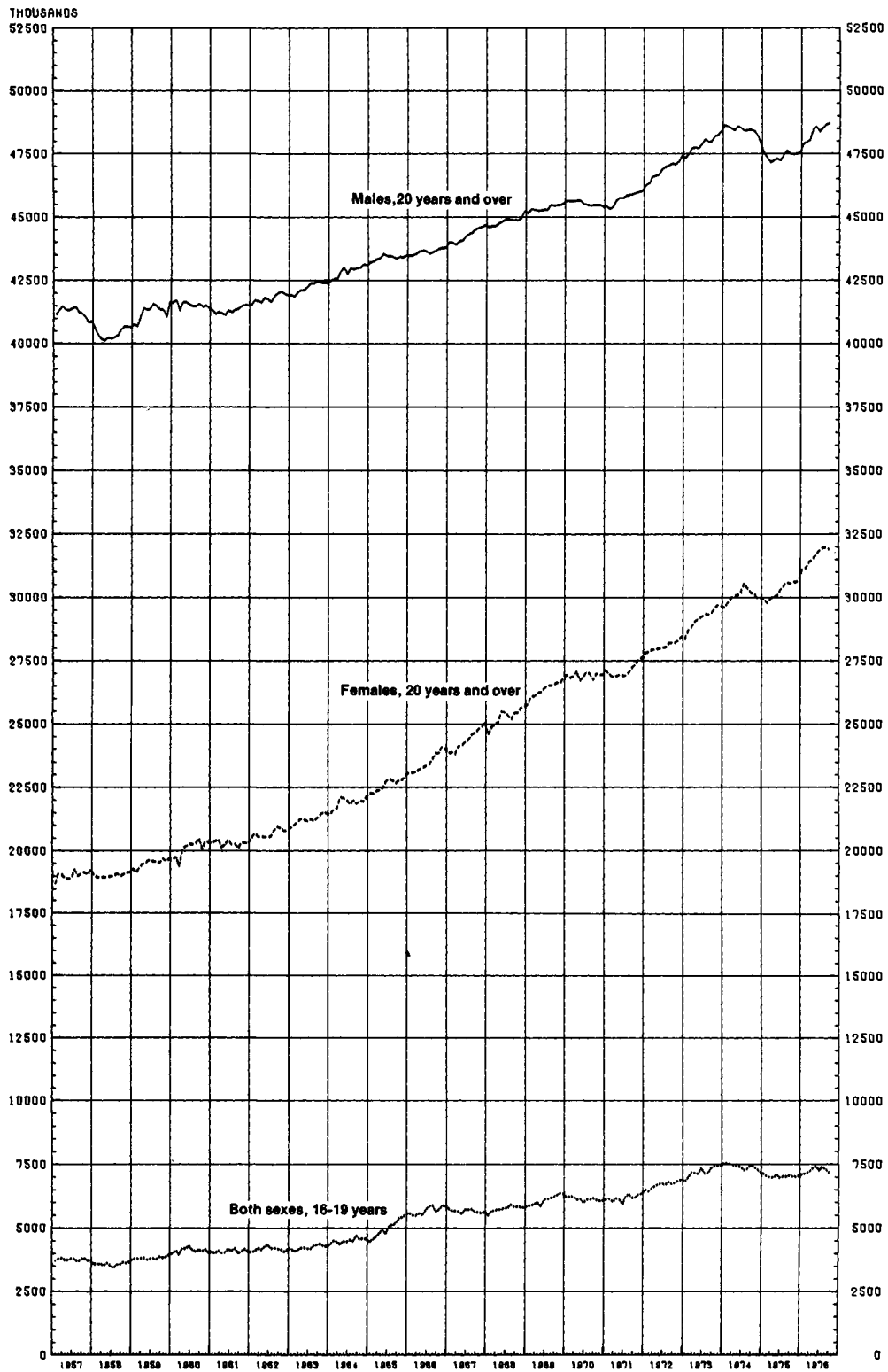
SOURCE: Table A-36.

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



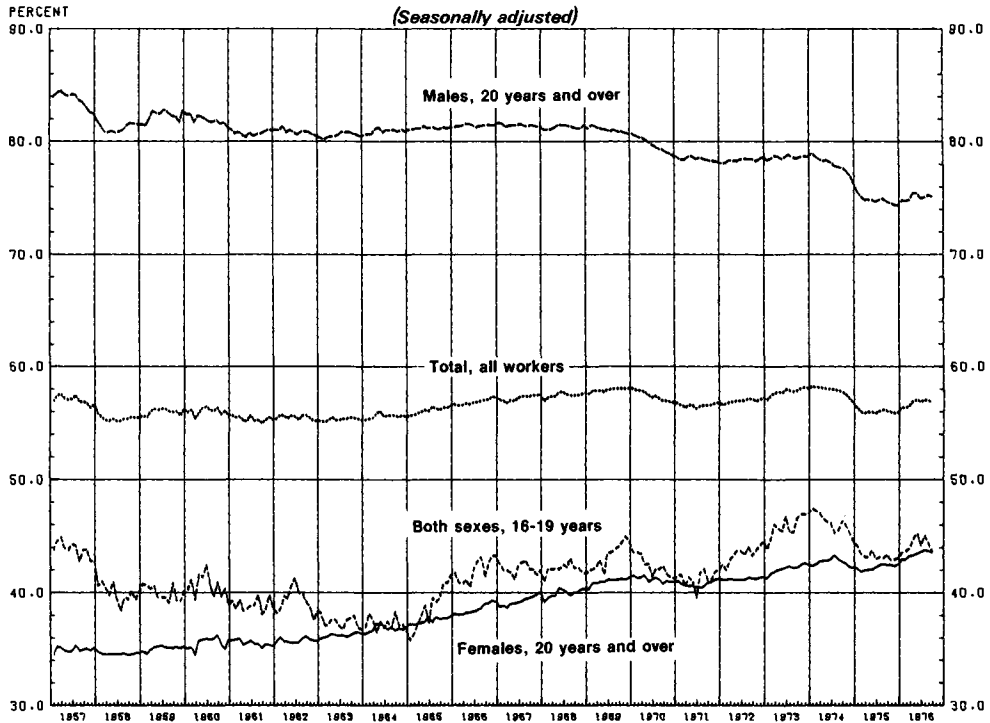
SOURCE: Table A-33.

Chart 4. Total employment by sex and age
(Seasonally adjusted)



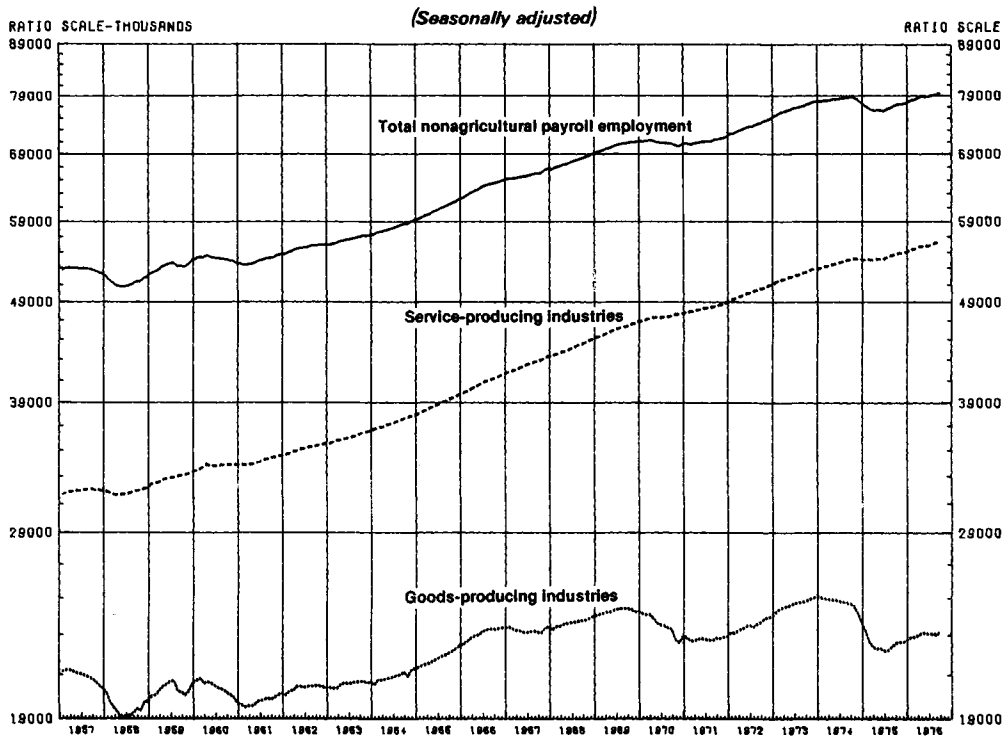
SOURCE: Table A-33.

Chart 5. Employment—population ratios by sex and age



SOURCE: Table A-33.

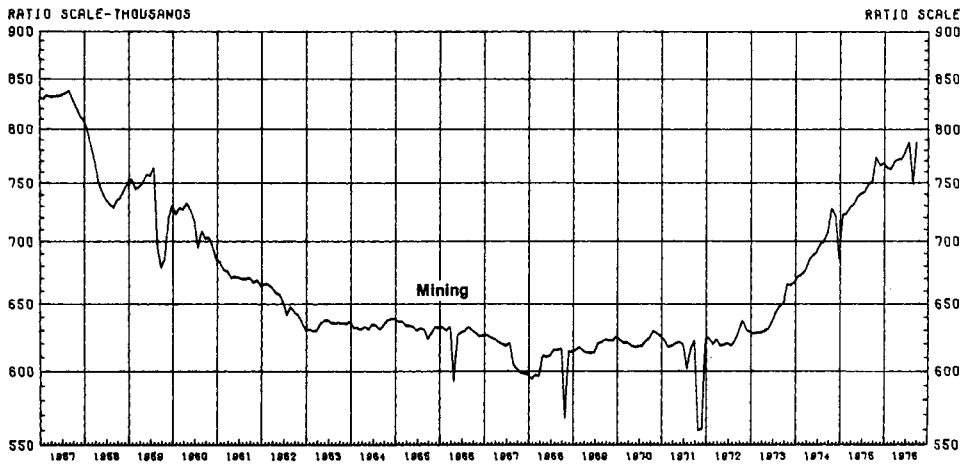
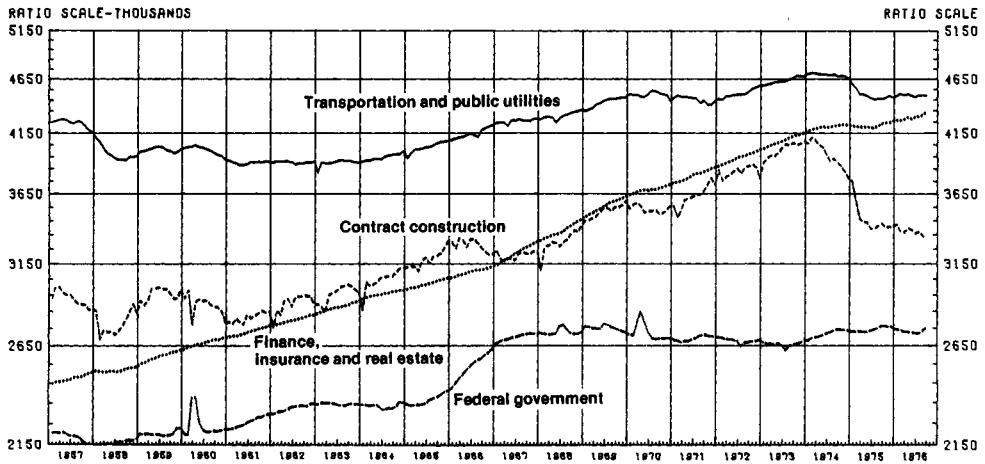
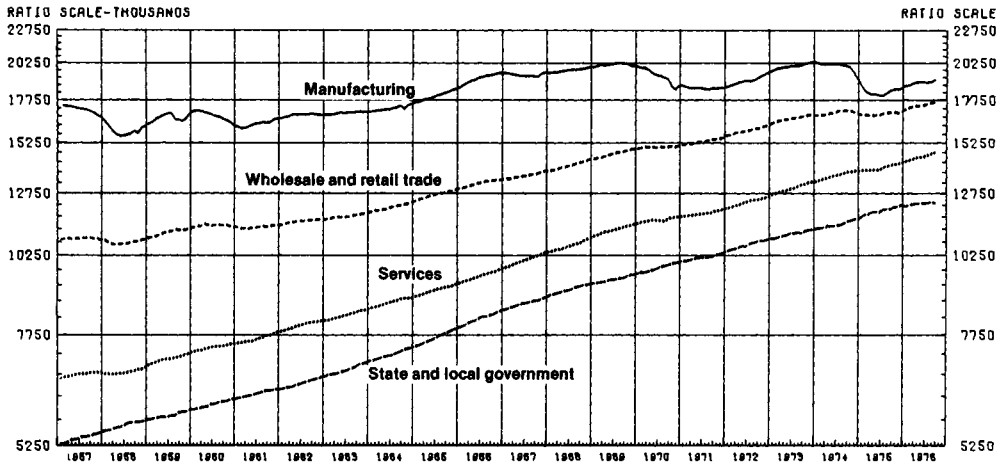
Chart 6. Payroll employment in goods- and service-producing industries



NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-5.

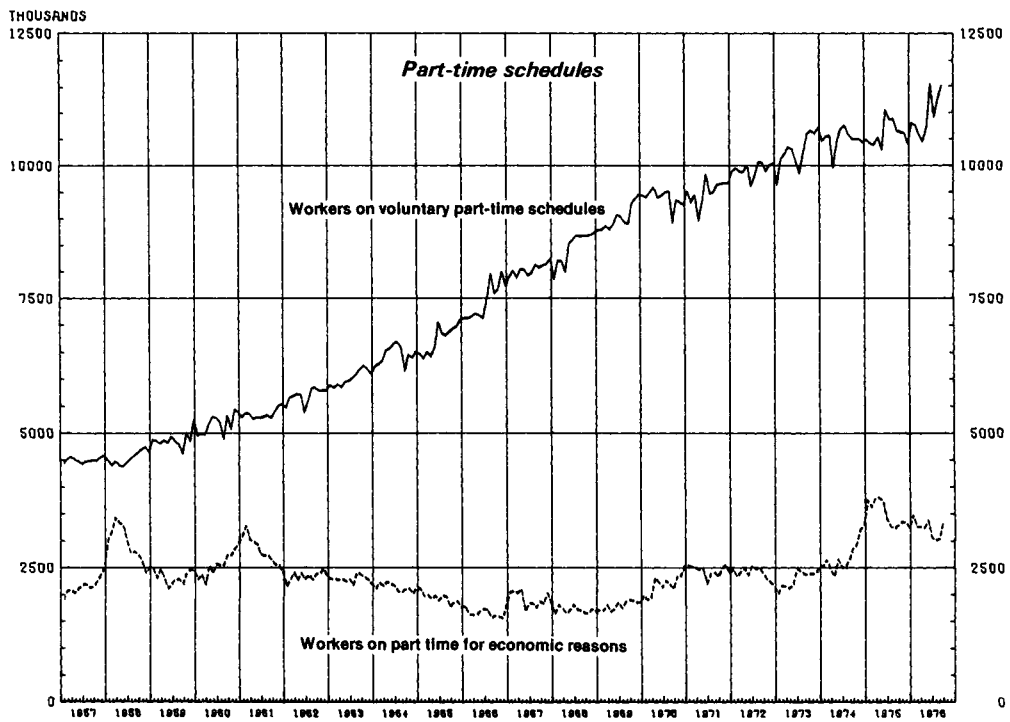
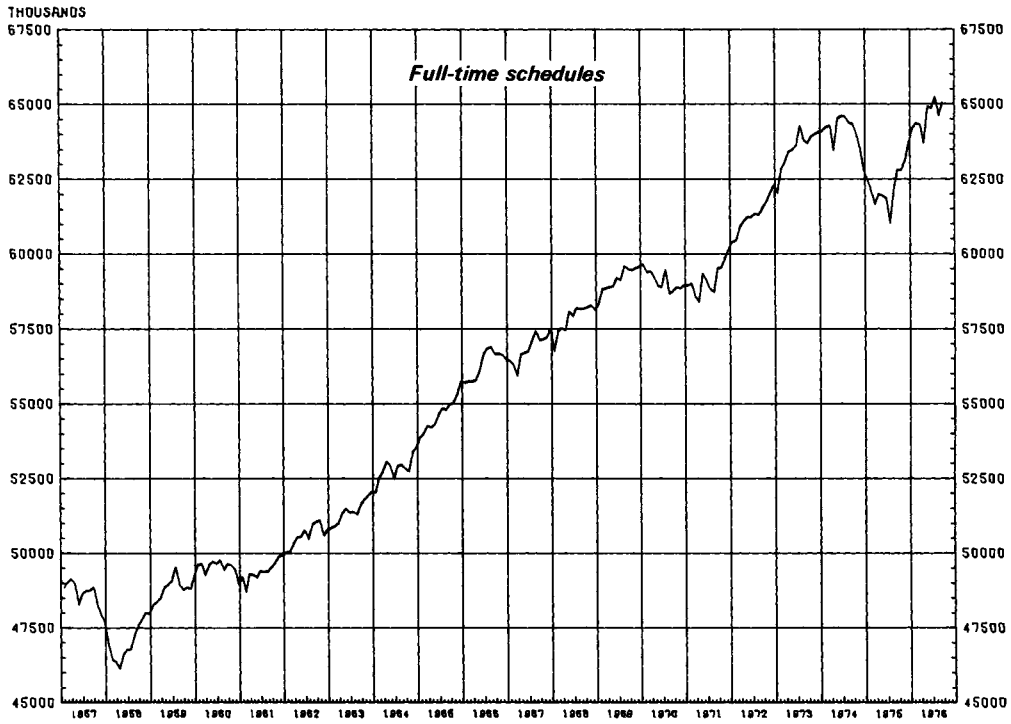
Chart 7. Nonagricultural payroll employment by industry
(Seasonally adjusted)



NOTE: Data for two most recent months are preliminary.

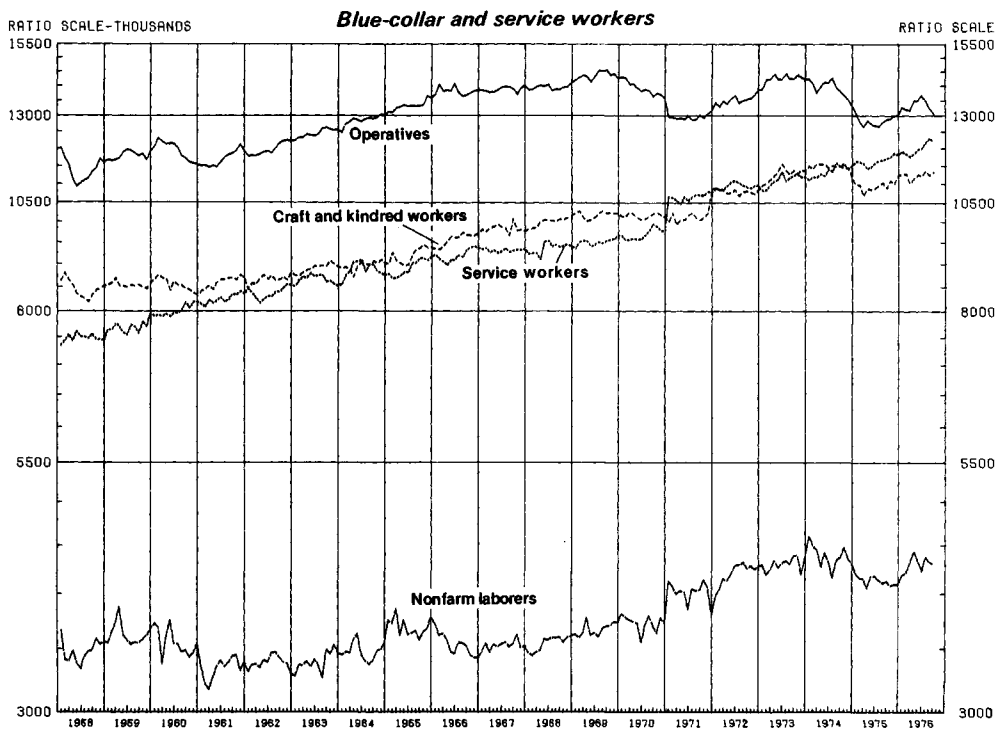
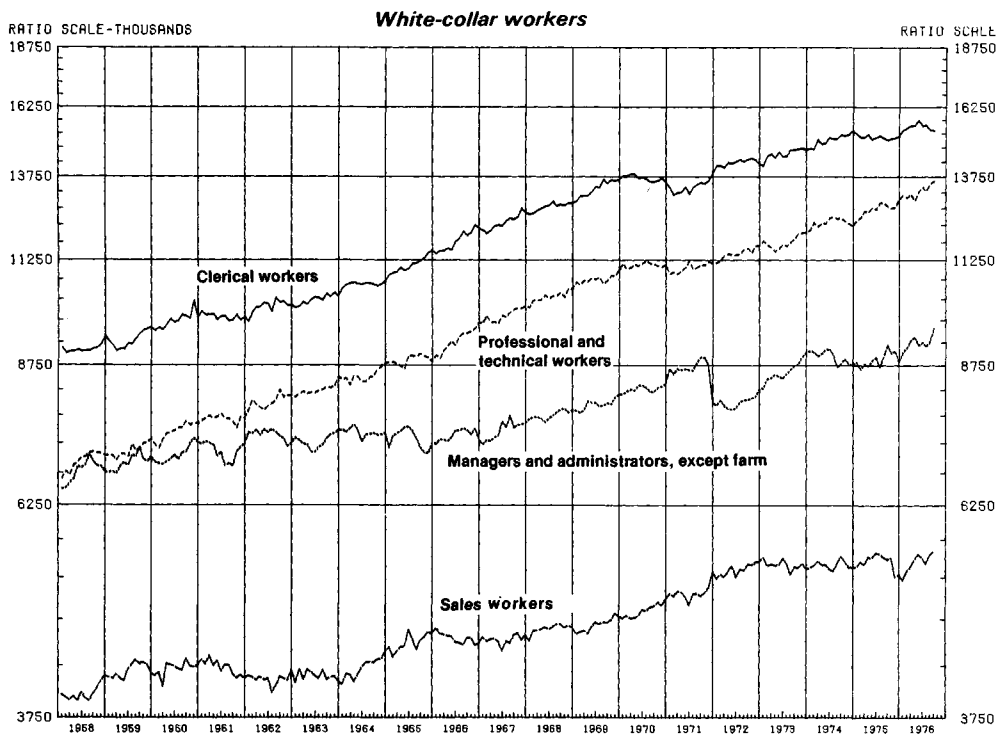
SOURCE: Table B-5.

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



SOURCE: Table A-41.

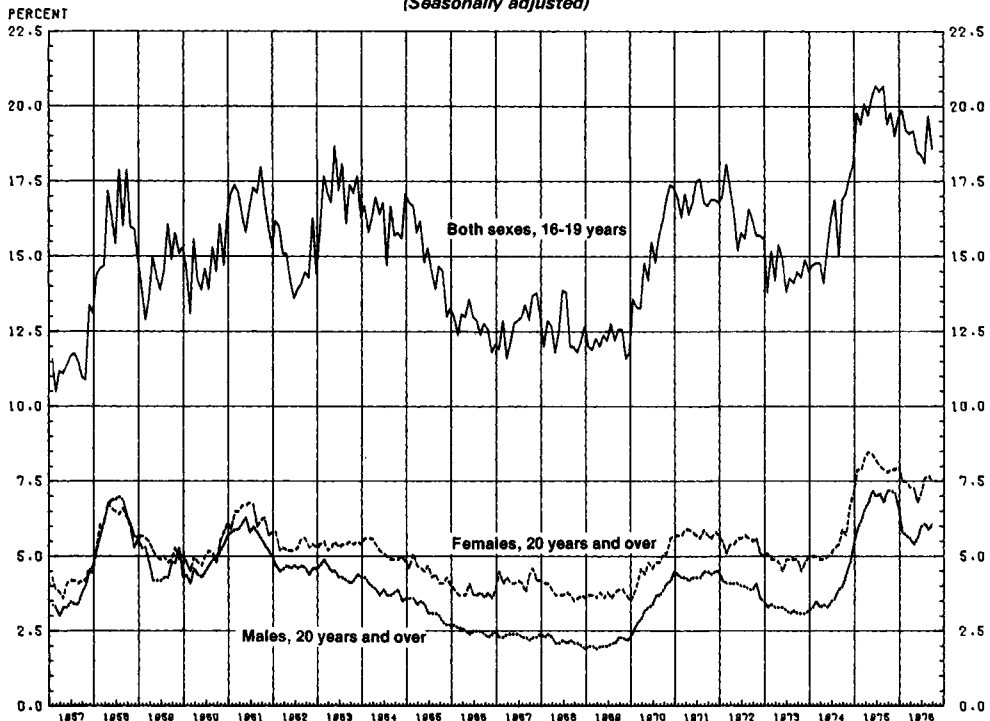
Chart 9. Employment in nonfarm occupations
(Seasonally adjusted)



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

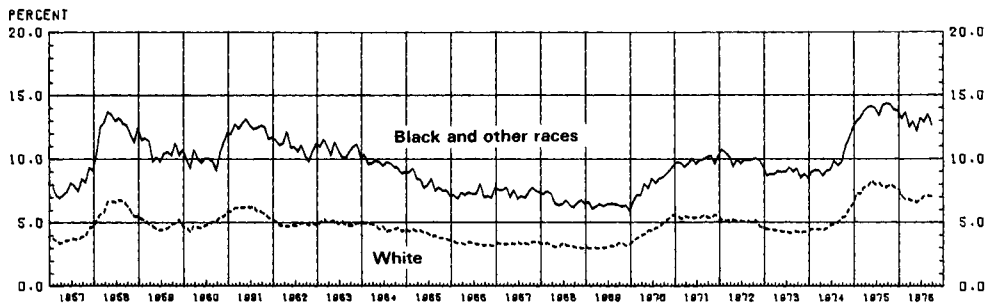
SOURCE: Table A-41.

Chart 10. Unemployment rates by sex and age
(Seasonally adjusted)

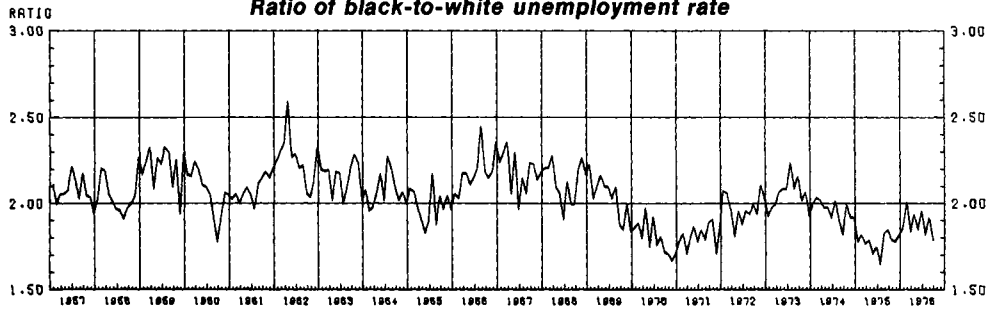


SOURCE: Table A-36.

Chart 11. Unemployment rates by race
(Seasonally adjusted)

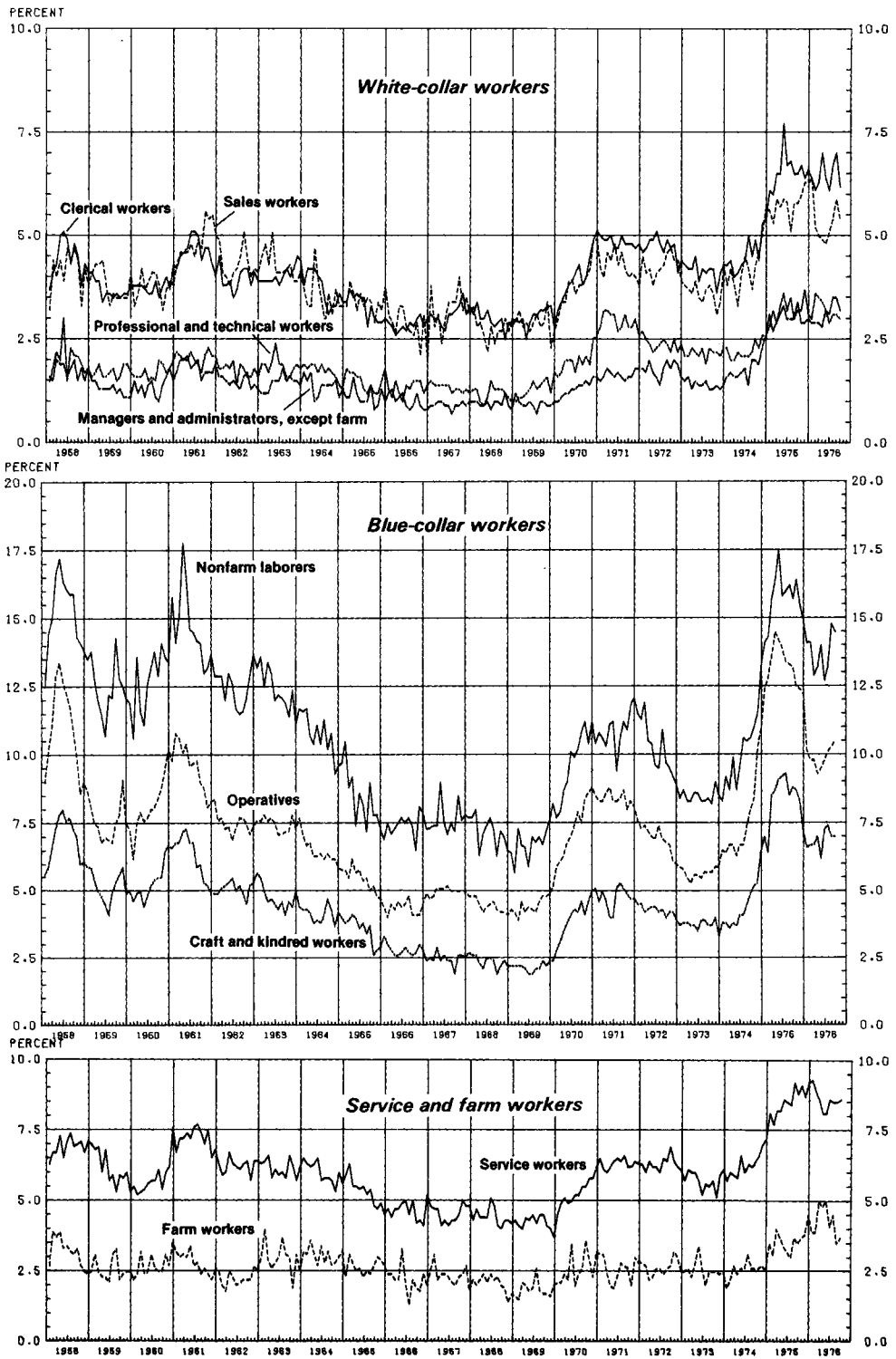


Ratio of black-to-white unemployment rate



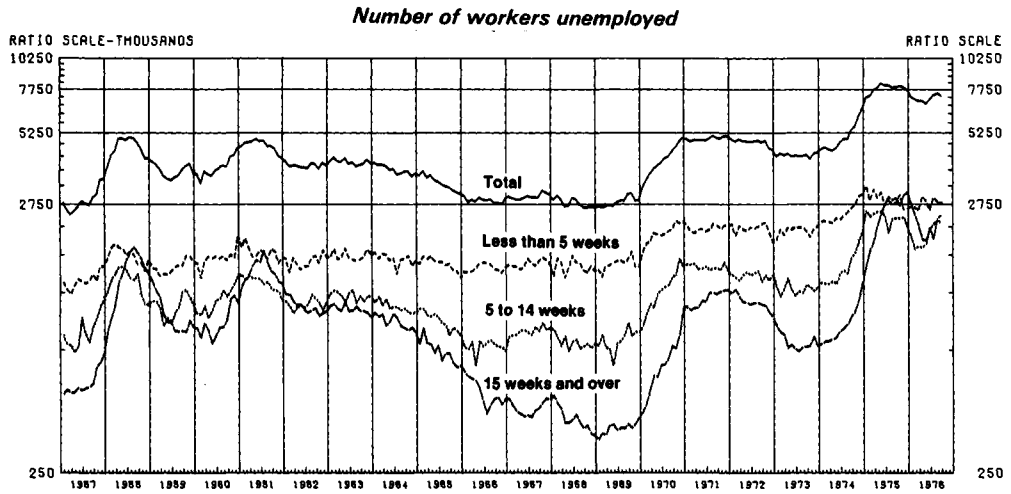
SOURCE: Table A-35.

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



SOURCE: Table A-36.

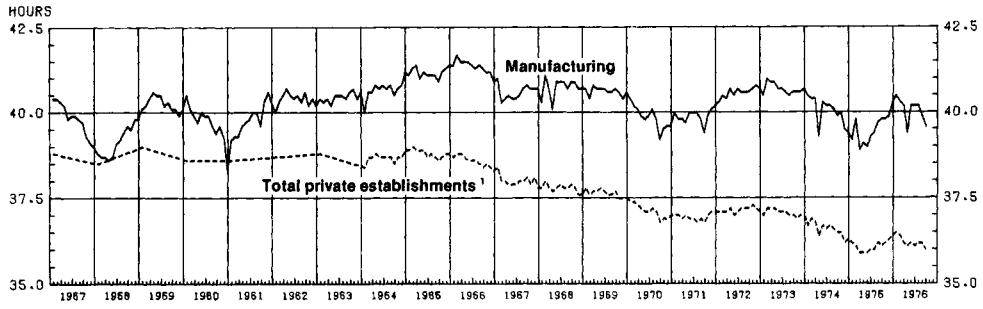
Chart 13. Duration of unemployment
(Seasonally adjusted)



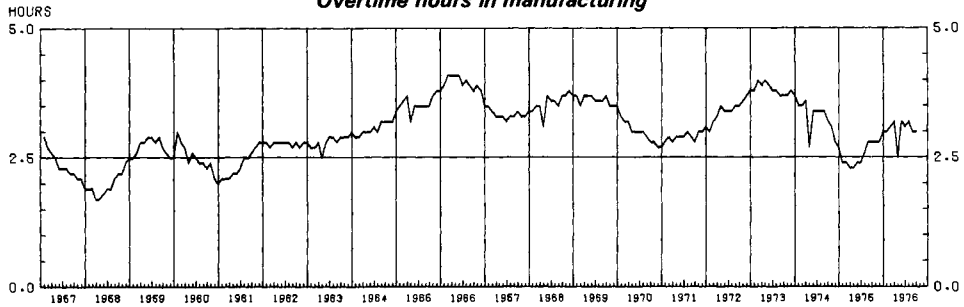
SOURCE: Table A-37.

Chart 14. Average weekly hours in nonagricultural industries

(Seasonally adjusted)



Overtime hours in manufacturing



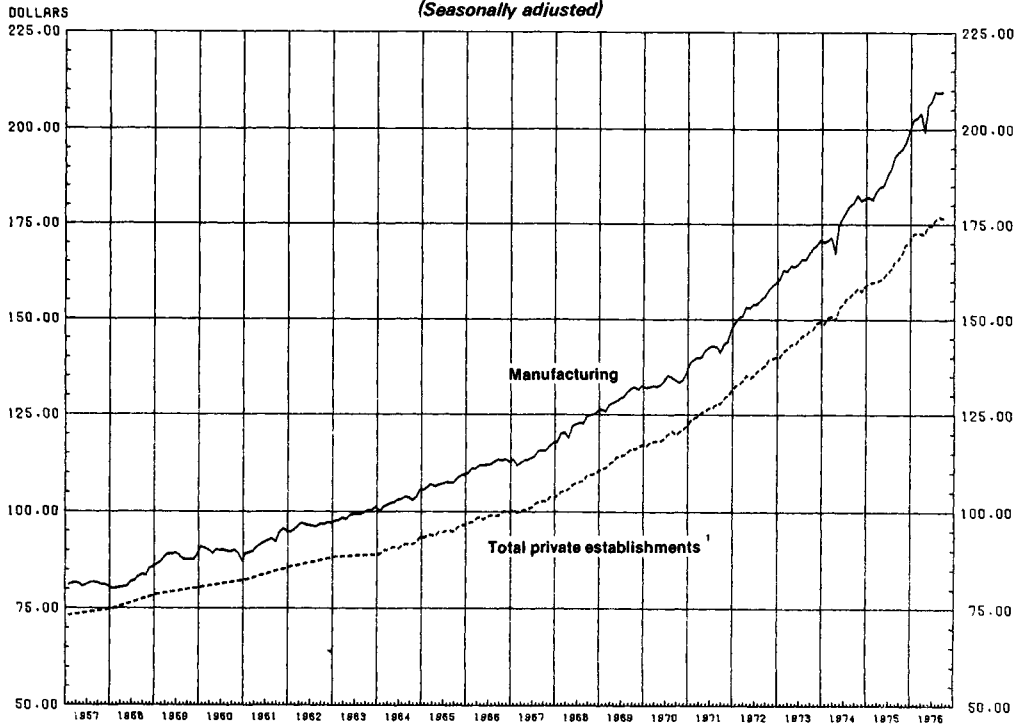
¹ Annual averages prior to 1964.

NOTE: Data for two most recent months are preliminary.

SOURCE: Table C-7.

Chart 15. Average weekly earnings in nonagricultural industries

(Seasonally adjusted)

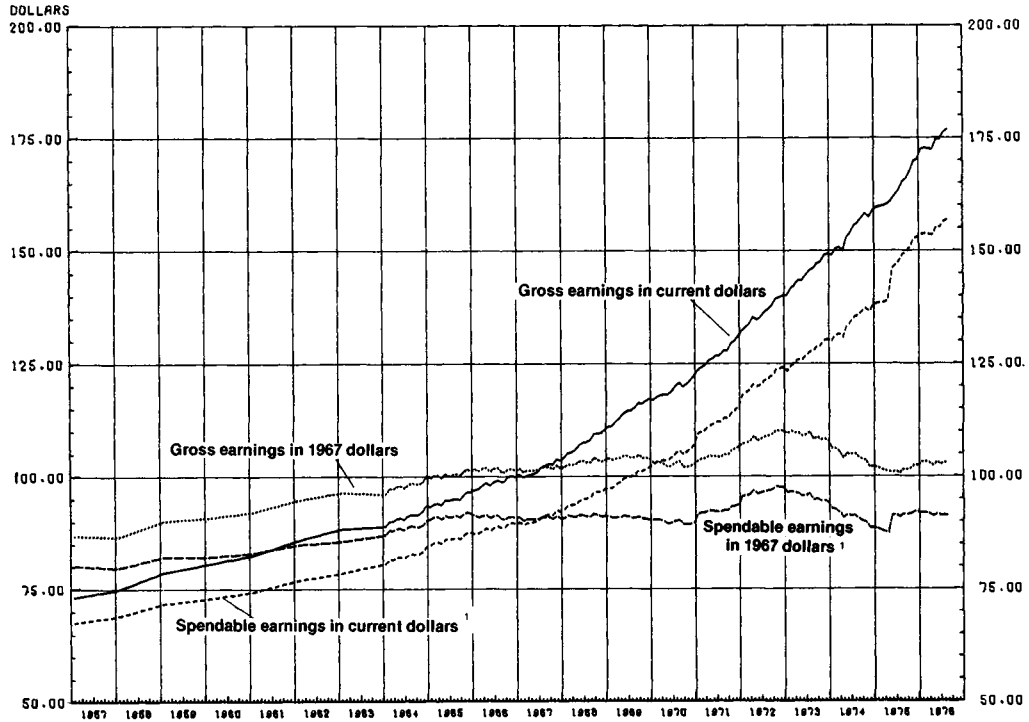


¹ Annual averages prior to 1964.

NOTE: Data for two most recent months are preliminary.

SOURCE: Tables C-7 and C-8.

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

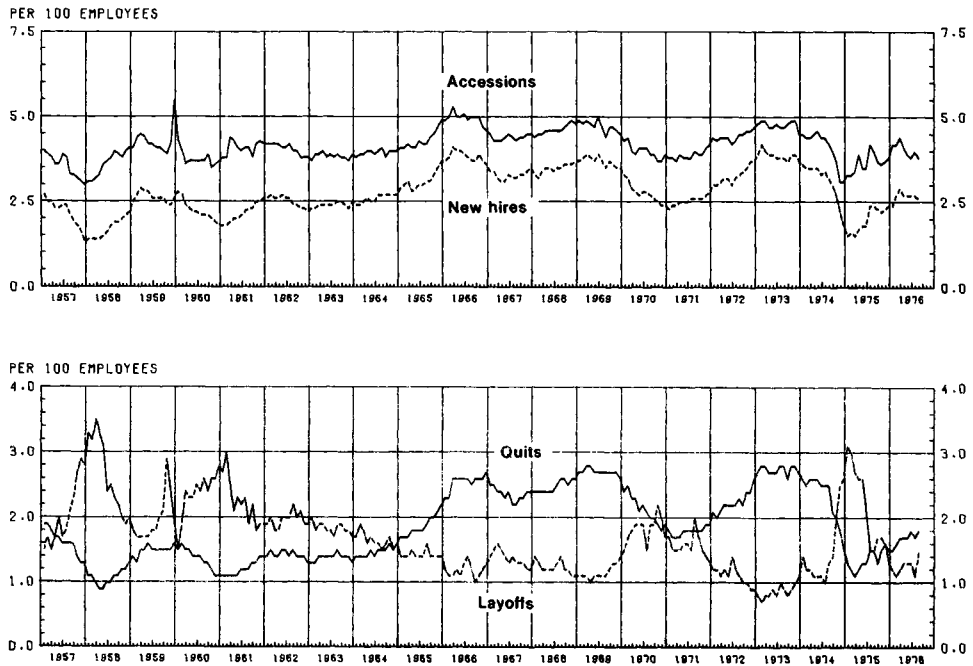


¹ Worker with three dependents.

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

SOURCE: Table C-8.

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, 1929 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	
Persons 14 years of age and over										
1929.....	(1)	49,440	(1)	49,180	47,630	10,450	37,180	1,550	3.2	(1)
1930.....	(1)	50,080	(1)	49,820	45,480	10,340	35,140	4,340	8.7	(1)
1931.....	(1)	50,680	(1)	50,420	42,400	10,290	32,110	8,020	15.9	(1)
1932.....	(1)	51,250	(1)	51,000	38,940	10,170	28,770	12,060	23.6	(1)
1933.....	(1)	51,840	(1)	51,590	38,760	10,090	28,670	12,830	24.9	(1)
1934.....	(1)	52,490	(1)	52,230	40,890	9,900	30,990	11,340	21.7	(1)
1935.....	(1)	53,140	(1)	52,870	42,260	10,110	32,150	10,610	20.1	(1)
1936.....	(1)	53,740	(1)	53,440	44,410	10,000	34,410	9,030	16.9	(1)
1937.....	(1)	54,320	(1)	54,000	46,300	9,820	36,480	7,700	14.3	(1)
1938.....	(1)	54,950	(1)	54,610	44,220	9,690	34,530	10,390	19.0	(1)
1939.....	(1)	55,600	(1)	55,230	45,750	9,610	36,140	9,480	17.2	(1)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	40,230
1946.....	106,520	60,970	57.2	57,520	55,250	8,320	46,930	2,270	3.9	45,550
1947.....	107,608	61,758	57.4	60,168	57,812	8,256	49,557	2,356	3.9	45,850
Persons 16 years of age and over										
1947.....	103,418	60,941	58.9	59,350	57,038	7,890	49,148	2,311	3.9	42,477
1948.....	104,527	62,080	59.4	60,621	58,343	7,629	50,714	2,276	3.8	42,447
1949.....	105,611	62,903	59.6	61,286	57,651	7,658	49,993	3,637	5.9	42,708
1950.....	106,645	63,858	59.9	62,208	58,918	7,160	51,758	3,288	5.3	42,787
1951.....	107,721	65,117	60.4	62,017	59,961	6,726	53,235	2,055	3.3	42,604
1952.....	108,823	65,730	60.4	62,138	60,250	6,500	53,749	1,883	3.0	43,093
1953 ²	110,601	66,560	60.2	63,015	61,179	6,260	54,919	1,834	2.9	44,041
1954.....	111,671	66,993	60.0	63,643	60,109	6,205	53,904	3,532	5.5	44,678
1955.....	112,732	68,072	60.4	65,023	62,170	6,450	55,722	2,852	4.4	44,660
1956.....	113,811	69,409	61.0	66,552	63,799	6,283	57,514	2,750	4.1	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	46,960
1960 ²	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	48,312
1962 ²	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	54,280
1971.....	142,596	86,929	61.0	84,113	79,120	3,387	75,732	4,993	5.9	55,666
1972 ²	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973 ²	148,263	91,040	61.4	88,714	84,409	3,452	80,957	4,304	4.9	57,222
1974.....	150,827	93,240	61.8	91,011	85,935	3,492	82,443	5,076	5.6	57,587
1975.....	153,449	94,793	61.8	92,613	84,783	3,380	81,403	7,830	8.5	58,655
1976: September.....	156,595	97,120	62.0	94,975	87,949	3,396	84,553	7,026	7.4	59,476

¹ Not available.

² Not strictly comparable with prior years due to the introduction of population adjustments

in these years. For an explanation, see "Historic Comparability" under Household Data section of Explanatory notes.

**HOUSEHOLD DATA
HISTORICAL**

A-2. Employment status of the noninstitutional population, 16 years and over by sex, 1947 to date

[Numbers in thousands]

Year, month, and sex	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
MALES										
1947.....	50,968	44,258	86.8	42,686	40,995	6,643	34,352	1,692	4.0	6,710
1948.....	51,439	44,729	87.0	43,286	41,725	6,358	35,367	1,559	3.6	6,710
1949.....	51,922	45,097	86.9	43,498	40,925	6,343	34,583	2,572	5.9	6,825
1950.....	52,352	45,446	86.8	43,819	41,578	6,002	35,576	2,239	5.1	6,906
1951.....	52,788	46,063	87.3	43,001	41,780	5,534	36,246	1,221	2.8	6,725
1952.....	53,248	46,416	87.2	42,869	41,682	5,390	36,293	1,185	2.8	6,832
1953 ¹	54,248	47,131	86.9	43,633	42,430	5,253	37,177	1,202	2.8	7,117
1954.....	54,706	47,275	86.4	43,965	41,619	5,200	36,418	2,344	5.3	7,431
1955.....	55,122	47,488	86.2	44,475	42,621	5,265	37,356	1,854	4.2	7,634
1956.....	55,547	47,914	86.3	45,091	43,379	5,040	38,339	1,711	3.8	7,633
1957.....	56,082	47,964	85.5	45,197	43,357	4,824	38,532	1,841	4.1	8,118
1958.....	56,640	48,126	85.0	45,521	42,423	4,596	37,827	3,098	6.8	8,514
1959.....	57,312	48,405	84.5	45,886	43,466	4,532	38,934	2,420	5.2	8,907
1960.....	58,144	48,870	84.0	46,388	43,904	4,472	39,431	2,486	5.4	9,274
1961.....	58,826	49,193	83.6	46,653	43,656	4,298	39,359	2,997	6.4	9,633
1962.....	59,626	49,395	82.8	46,600	44,177	4,069	40,108	2,423	5.2	10,231
1963.....	60,627	49,835	82.2	47,129	44,657	3,809	40,849	2,472	5.2	10,792
1964.....	61,556	50,387	81.9	47,679	45,474	3,691	41,782	2,205	4.6	11,169
1965.....	62,473	50,946	81.5	48,255	46,340	3,547	42,792	1,914	4.0	11,527
1966.....	63,351	51,560	81.4	48,471	46,919	3,243	43,675	1,551	3.2	11,792
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,855	1,403	2.8	12,677
1970.....	67,409	54,343	80.6	51,195	48,960	2,861	46,099	2,235	4.4	13,066
1971.....	68,512	54,797	80.0	52,021	49,245	2,790	46,455	2,776	5.3	13,715
1972.....	69,864	55,671	79.7	53,265	50,630	2,839	47,791	2,635	4.9	14,193
1973 ¹	71,020	56,479	79.5	54,203	51,963	2,833	49,130	2,240	4.1	14,541
1974.....	72,253	57,349	79.4	55,186	52,518	2,900	49,618	2,668	4.8	14,904
1975.....	73,494	57,706	78.5	55,615	51,230	2,801	48,429	4,385	7.9	15,788
1976: September.....	74,990	58,338	77.8	56,302	52,834	2,768	50,066	3,469	6.2	16,652
FEMALES										
1947.....	52,450	16,683	31.8	16,664	16,045	1,248	14,797	619	3.7	35,767
1948.....	53,088	17,351	32.7	17,335	16,617	1,271	15,346	717	4.1	35,737
1949.....	53,689	17,806	33.2	17,788	16,723	1,315	15,409	1,065	6.0	35,883
1950.....	54,293	18,412	33.9	18,389	17,340	1,159	16,181	1,049	5.7	35,881
1951.....	54,933	19,054	34.7	19,016	18,181	1,193	16,988	834	4.4	35,879
1952.....	55,575	19,314	34.8	19,269	18,568	1,111	17,458	698	3.6	36,261
1953 ¹	56,353	19,429	34.5	19,382	18,749	1,006	17,743	632	3.3	36,924
1954.....	56,965	19,718	34.6	19,678	18,490	1,006	17,486	1,188	6.0	37,247
1955.....	57,610	20,584	35.7	20,548	19,551	1,184	18,366	998	4.9	37,026
1956.....	58,264	21,495	36.9	21,461	20,419	1,244	19,175	1,039	4.8	36,769
1957.....	58,983	21,765	36.9	21,732	20,714	1,123	19,591	1,018	4.7	37,218
1958.....	59,723	22,149	37.1	22,118	20,613	990	19,623	1,504	6.8	37,574
1959.....	60,569	22,516	37.2	22,483	21,164	1,033	20,131	1,320	5.9	38,053
1960.....	61,615	23,272	37.8	23,240	21,874	986	20,887	1,366	5.9	38,343
1961.....	62,517	23,838	38.1	23,806	22,090	902	21,187	1,717	7.2	38,679
1962 ¹	63,355	24,047	38.0	24,014	22,525	875	21,651	1,488	6.2	39,308
1963.....	64,527	24,736	38.3	24,704	23,105	878	22,227	1,598	6.5	39,791
1964.....	65,668	25,443	38.7	25,412	23,831	832	23,000	1,581	6.2	40,225
1965.....	66,763	26,232	39.3	26,200	24,748	814	23,934	1,452	5.5	40,531
1966.....	67,829	27,333	40.3	27,299	25,976	736	25,240	1,324	4.8	40,496
1967.....	69,003	28,395	41.2	28,360	26,893	680	26,212	1,468	5.2	40,608
1968.....	70,217	29,242	41.6	29,204	27,807	660	27,147	1,397	4.8	40,976
1969.....	71,476	30,551	42.7	30,513	29,084	643	28,441	1,429	4.7	40,924
1970.....	72,774	31,560	43.4	31,520	29,667	601	29,066	1,853	5.9	41,214
1971.....	74,084	32,132	43.4	32,091	29,875	598	29,277	2,217	6.9	41,952
1972 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.....	78,575	35,892	45.7	35,825	33,417	592	32,825	2,408	6.7	42,683
1975.....	79,954	37,087	46.4	36,998	33,553	579	32,973	3,445	9.3	42,868
1976: September.....	81,605	38,782	47.5	38,673	35,115	628	34,487	3,558	9.2	42,823

¹ See footnote 2, table A-1.

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

(Numbers in thousands)

Sex, age, and race	September 1976										
	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	58,338	77.8	56,302	52,834	3,469	6.2	16,652	262	4,627	1,819	9,945
16 to 21 years	8,171	64.6	7,448	6,234	1,214	16.3	4,474	8	3,924	46	497
16 to 19 years	4,834	56.9	4,493	3,662	830	18.5	3,666	6	3,285	24	351
16 to 17 years	1,890	44.7	1,856	1,479	377	20.3	2,342	1	2,216	6	119
18 to 19 years	2,944	69.0	2,636	2,183	453	17.2	1,323	5	1,069	18	232
20 to 64 years	51,631	89.8	49,937	47,377	2,560	5.1	5,864	104	1,341	1,278	3,141
20 to 24 years	8,367	85.4	7,611	6,807	804	10.6	1,430	5	1,041	65	319
25 to 54 years	36,201	94.5	35,265	33,773	1,492	4.2	2,107	57	295	671	1,085
25 to 29 years	8,301	94.8	7,922	7,427	495	6.3	454	7	204	52	191
30 to 34 years	6,834	96.7	6,603	6,324	279	4.2	232	11	41	51	128
35 to 39 years	5,594	96.6	5,397	5,190	207	3.8	199	5	12	80	102
40 to 44 years	5,129	95.0	5,036	4,872	164	3.3	270	8	14	112	136
45 to 49 years	5,228	93.2	5,196	5,030	166	3.2	380	15	18	149	199
50 to 54 years	5,116	89.9	5,109	4,929	181	3.5	573	11	6	228	328
55 to 64 years	7,063	75.2	7,061	6,797	265	3.7	2,327	42	5	542	1,738
55 to 59 years	4,278	84.0	4,276	4,112	164	3.8	814	23	4	268	518
60 to 64 years	2,785	64.8	2,785	2,685	100	3.6	1,513	19	1	274	1,220
65 years and over	1,873	20.8	1,873	1,795	78	4.2	7,123	152	1	516	6,453
65 to 69 years	1,077	30.0	1,077	1,025	52	4.8	2,508	40	--	166	2,302
70 years and over	796	14.7	796	770	26	3.2	4,615	112	1	350	4,151
White											
16 years and over	52,173	78.7	50,485	47,645	2,840	5.6	14,142	208	3,724	1,433	8,777
16 to 21 years	7,233	67.0	6,638	5,711	927	14.0	3,566	5	3,142	29	389
16 to 19 years	4,338	59.9	4,053	3,397	656	16.2	2,900	2	2,610	17	271
16 to 17 years	1,744	48.6	1,715	1,392	323	18.8	1,843	--	1,743	4	96
18 to 19 years	2,595	71.1	2,338	2,005	333	14.3	1,057	2	867	13	175
20 to 64 years	46,144	90.6	44,742	42,623	2,119	4.7	4,815	79	1,113	1,019	2,605
20 to 24 years	7,339	86.6	6,732	6,092	640	9.5	1,140	6	861	41	232
25 to 54 years	32,331	95.2	31,538	30,294	1,244	3.9	1,637	45	249	519	825
25 to 34 years	13,437	96.2	12,924	12,285	640	4.9	538	14	209	73	242
35 to 44 years	9,548	96.5	9,302	8,993	309	3.3	349	10	20	145	173
45 to 54 years	9,346	92.6	9,312	9,016	295	3.2	750	21	19	301	409
55 to 64 years	6,474	76.1	6,472	6,237	235	3.6	2,038	29	3	458	1,548
55 to 59 years	3,909	84.8	3,907	3,765	142	3.6	700	15	2	227	456
60 to 64 years	2,565	65.7	2,565	2,472	93	3.6	1,338	14	1	231	1,092
65 years and over	1,690	20.8	1,690	1,625	65	3.9	6,427	127	1	398	5,901
Black and other											
16 years and over	6,165	71.1	5,817	5,189	628	10.8	2,510	54	903	385	1,168
16 to 21 years	938	50.8	809	523	286	35.4	908	3	781	16	107
16 to 19 years	495	39.3	440	265	174	39.7	765	3	675	8	79
16 to 17 years	146	22.7	142	87	55	38.6	499	1	473	2	23
18 to 19 years	349	56.7	298	178	120	40.2	267	2	202	6	56
20 to 64 years	5,487	84.0	5,194	4,752	441	8.5	1,048	24	228	259	536
20 to 24 years	1,028	78.0	879	715	164	18.7	289	--	180	23	87
25 to 54 years	3,870	89.2	3,727	3,478	248	6.7	471	12	46	152	260
25 to 34 years	1,698	92.0	1,601	1,457	134	8.4	148	5	37	29	77
35 to 44 years	1,175	90.7	1,132	1,070	62	5.5	120	2	5	47	65
45 to 54 years	997	83.1	994	943	51	5.1	203	5	4	76	118
55 to 64 years	589	67.1	589	559	30	5.0	289	14	2	84	190
55 to 59 years	369	76.5	369	347	22	6.1	113	8	2	41	62
60 to 64 years	220	55.6	220	213	7	3.3	175	5	--	43	128
65 years and over	183	20.9	183	171	13	6.9	696	26	--	119	552

HOUSEHOLD DATA

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

(Numbers in thousands)

Sex, age, and race	September 1976										
	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	38,782	47.5	38,673	35,115	3,558	9.2	42,823	33,531	4,566	1,061	3,665
16 to 21 years	6,456	52.1	6,406	5,321	1,085	16.9	5,928	1,509	3,960	22	438
16 to 19 years	3,964	47.6	3,945	3,172	773	19.6	4,355	727	3,294	14	320
16 to 17 years	1,576	38.4	1,575	1,259	317	20.1	2,532	178	2,197	3	154
18 to 19 years	2,388	56.7	2,369	1,913	456	19.3	1,823	549	1,097	10	167
20 to 64 years	33,753	55.9	33,663	30,928	2,735	8.1	26,628	23,297	1,263	458	1,609
20 to 24 years	6,335	64.8	6,275	5,497	778	12.4	3,434	2,282	896	19	236
25 to 54 years	23,117	57.7	23,088	21,338	1,750	7.6	16,973	15,588	352	235	798
25 to 29 years	5,370	60.3	5,349	4,827	522	9.8	3,542	3,210	159	27	146
30 to 34 years	4,064	55.9	4,060	3,665	395	9.7	3,205	2,969	88	21	127
35 to 39 years	3,559	58.2	3,557	3,327	231	6.5	2,553	2,396	37	14	106
40 to 44 years	3,396	59.7	3,395	3,149	246	7.2	2,293	2,160	24	43	66
45 to 49 years	3,453	58.2	3,453	3,252	201	5.8	2,482	2,249	25	58	150
50 to 54 years	3,274	53.0	3,274	3,118	156	4.8	2,899	2,605	18	71	204
55 to 64 years	4,300	40.9	4,300	4,093	207	4.8	6,221	5,427	15	205	575
55 to 59 years	2,721	48.5	2,721	2,582	139	5.1	2,884	2,563	7	89	225
60 to 64 years	1,579	32.1	1,579	1,511	68	4.3	3,337	2,864	7	116	350
65 years and over	1,065	8.3	1,065	1,015	50	4.7	11,840	9,507	9	589	1,735
65 to 69 years	686	15.1	686	645	41	6.0	3,863	3,256	2	91	514
70 years and over	379	4.5	379	371	9	2.2	7,976	6,251	7	498	1,221
White											
16 years and over	33,723	47.2	33,634	30,807	2,827	8.4	37,744	30,130	3,642	852	3,119
16 to 21 years	5,770	55.0	5,729	4,880	849	14.8	4,722	1,211	3,170	21	321
16 to 19 years	3,588	51.0	3,572	2,958	614	17.2	3,450	586	2,610	14	240
16 to 17 years	1,477	42.7	1,476	1,217	259	17.6	1,985	147	1,721	5	112
18 to 19 years	2,112	59.0	2,096	1,741	355	16.9	1,465	438	889	9	128
20 to 64 years	29,194	55.4	29,121	26,956	2,164	7.4	23,497	20,778	1,023	343	1,353
20 to 24 years	5,504	66.1	5,455	4,874	581	10.6	2,820	1,896	729	17	178
25 to 54 years	19,866	57.0	19,841	18,450	1,392	7.0	15,013	13,895	280	172	666
25 to 29 years	7,979	57.1	7,958	7,246	712	8.9	5,987	5,542	199	36	209
30 to 34 years	5,957	58.4	5,954	5,573	382	6.4	4,248	4,021	44	37	145
35 to 44 years	5,930	55.4	5,929	5,631	298	5.0	4,779	4,332	37	99	311
55 to 64 years	3,824	40.3	3,824	3,632	192	5.0	5,665	4,988	13	155	509
55 to 59 years	2,425	48.1	2,425	2,297	128	5.3	2,620	2,367	7	63	183
60 to 64 years	1,399	31.5	1,399	1,335	63	4.5	3,044	2,621	6	92	326
65 years and over	941	8.0	941	893	49	5.2	10,797	8,766	9	495	1,527
Black and other											
16 years and over	5,058	49.9	5,039	4,308	731	14.5	5,080	3,401	924	209	545
16 to 21 years	686	36.3	678	441	236	34.9	1,206	298	790	1	117
16 to 19 years	376	29.3	373	214	159	42.7	906	141	684	--	81
16 to 17 years	99	15.4	99	42	58	58.2	547	31	476	--	42
18 to 19 years	276	43.5	274	172	101	37.0	359	111	208	1	39
20 to 64 years	4,559	59.3	4,542	3,971	571	12.6	3,131	2,519	240	115	257
20 to 24 years	831	57.5	819	622	197	24.1	614	386	167	3	58
25 to 54 years	3,252	62.4	3,247	2,888	358	11.0	1,960	1,693	72	63	132
25 to 29 years	1,456	65.7	1,451	1,246	205	14.1	760	636	48	12	64
30 to 34 years	998	62.5	997	903	94	9.5	597	534	17	20	27
35 to 54 years	798	57.0	798	739	59	7.4	602	522	7	31	42
55 to 64 years	477	46.1	477	461	15	3.3	557	439	1	50	66
55 to 59 years	296	52.9	296	285	11	3.8	264	196	--	26	42
60 to 64 years	180	38.1	180	176	4	2.3	293	243	1	24	24
65 years and over	124	10.6	124	123	1	.8	1,043	741	--	94	208

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976
MALES								
16 years and over	57,601	58,338	78.1	77.8	55,526	56,302	77.4	77.2
16 to 19 years	4,847	4,834	57.4	56.9	4,496	4,493	55.6	55.1
16 to 17 years	1,918	1,890	45.3	44.7	1,884	1,856	44.8	44.2
18 to 19 years	2,930	2,944	69.7	69.0	2,613	2,636	67.3	66.6
20 to 24 years	8,185	8,367	85.3	85.4	7,405	7,611	84.0	84.2
25 to 54 years	35,643	36,201	94.6	94.5	34,701	35,265	94.4	94.4
25 to 34 years	14,575	15,135	95.4	95.7	13,972	14,525	95.3	95.5
35 to 44 years	10,597	10,723	95.8	95.8	10,297	10,434	95.7	95.7
45 to 54 years	10,471	10,344	92.2	91.6	10,432	10,305	92.1	91.5
55 to 64 years	7,000	7,063	75.7	75.2	6,998	7,061	75.7	75.2
55 to 59 years	4,234	4,278	85.0	84.0	4,233	4,276	85.0	84.0
60 to 64 years	2,766	2,785	64.8	64.8	2,765	2,785	64.8	64.8
65 years and over	1,926	1,873	21.8	20.8	1,925	1,873	21.8	20.8
White								
16 years and over	51,509	52,173	78.8	78.7	49,778	50,485	78.2	78.1
16 to 19 years	4,362	4,338	60.6	59.9	4,070	4,053	58.9	58.3
16 to 17 years	1,796	1,744	49.9	48.6	1,766	1,715	49.5	48.2
18 to 19 years	2,566	2,595	71.3	71.1	2,304	2,338	69.0	68.9
20 to 24 years	7,156	7,339	85.9	86.6	6,523	6,732	84.8	85.5
25 to 54 years	31,835	32,331	95.1	95.2	31,029	31,538	95.0	95.1
25 to 34 years	12,938	13,437	95.8	96.2	12,425	12,924	95.6	96.0
35 to 44 years	9,436	9,548	96.4	96.5	9,180	9,302	96.3	96.4
45 to 54 years	9,460	9,346	93.0	92.6	9,424	9,312	93.0	92.5
55 to 64 years	6,418	6,474	76.6	76.1	6,417	6,472	76.6	76.1
55 to 59 years	3,890	3,909	86.1	84.8	3,889	3,907	86.1	84.8
60 to 64 years	2,528	2,565	65.4	65.7	2,528	2,565	65.4	65.7
65 years and over	1,738	1,690	21.8	20.8	1,738	1,690	21.8	20.8
Black and other								
16 years and over	6,092	6,165	72.2	71.1	5,750	5,817	71.0	69.9
16 to 19 years	485	495	39.2	39.3	427	440	36.2	36.5
16 to 17 years	122	146	19.1	22.7	118	142	18.6	22.1
18 to 19 years	363	349	60.4	56.7	309	298	56.5	52.8
20 to 24 years	1,029	1,028	81.1	78.0	882	879	78.7	75.2
25 to 54 years	3,808	3,870	90.3	89.2	3,672	3,727	90.0	88.8
25 to 34 years	1,637	1,698	92.9	92.0	1,547	1,601	92.5	91.6
35 to 44 years	1,160	1,175	91.5	90.7	1,117	1,132	91.2	90.4
45 to 54 years	1,011	997	85.3	83.1	1,007	994	85.2	83.0
55 to 64 years	582	589	67.0	67.1	582	589	67.0	67.1
55 to 59 years	344	369	74.0	76.5	344	369	74.0	76.5
60 to 64 years	238	220	58.9	55.6	237	220	58.9	55.6
65 years and over	188	183	22.2	20.9	188	183	22.2	20.9

HOUSEHOLD DATA

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976
FEMALES								
16 years and over	37,364	38,782	46.6	47.5	37,269	38,673	46.5	47.5
16 to 19 years	3,940	3,964	47.7	47.6	3,920	3,945	47.6	47.5
16 to 17 years	1,581	1,576	38.4	38.4	1,580	1,575	38.4	38.4
18 to 19 years	2,359	2,388	56.9	56.7	2,339	2,369	56.7	56.5
20 to 24 years	6,152	6,335	64.3	64.8	6,101	6,275	64.1	64.6
25 to 54 years	22,026	23,117	55.8	57.7	22,003	23,088	55.8	57.6
25 to 34 years	8,762	9,434	56.1	58.3	8,743	9,409	56.0	58.2
35 to 44 years	6,606	6,955	56.7	58.9	6,603	6,952	56.7	58.9
45 to 54 years	6,657	6,728	54.6	55.6	6,656	6,727	54.6	55.6
55 to 64 years	4,229	4,300	40.8	40.9	4,229	4,300	40.8	40.9
55 to 59 years	2,669	2,721	48.6	48.5	2,669	2,721	48.6	48.5
60 to 64 years	1,560	1,579	31.9	32.1	1,560	1,579	31.9	32.1
65 years and over	1,017	1,065	8.1	8.3	1,017	1,065	8.1	8.3
White								
16 years and over	32,471	33,723	46.1	47.2	32,392	33,634	46.1	47.1
16 to 19 years	3,503	3,588	50.0	51.0	3,486	3,572	49.9	50.9
16 to 17 years	1,445	1,477	41.6	42.7	1,445	1,476	41.6	42.6
18 to 19 years	2,058	2,112	58.4	59.0	2,041	2,096	58.2	58.9
20 to 24 years	5,349	5,504	65.5	66.1	5,307	5,455	65.3	65.9
25 to 54 years	18,928	19,866	55.0	57.0	18,909	19,841	55.0	56.9
25 to 34 years	7,431	7,979	55.0	57.1	7,414	7,958	54.9	57.1
35 to 44 years	5,627	5,957	55.8	58.4	5,624	5,954	55.8	58.4
45 to 54 years	5,870	5,930	54.3	55.4	5,869	5,929	54.3	55.4
55 to 64 years	3,785	3,824	40.5	40.3	3,785	3,824	40.5	40.3
55 to 59 years	2,386	2,425	48.2	48.1	2,386	2,425	48.2	48.1
60 to 64 years	1,398	1,399	31.7	31.5	1,398	1,399	31.7	31.5
65 years and over	906	941	7.9	8.0	906	941	7.9	8.0
Black and other								
16 years and over	4,893	5,058	49.7	49.9	4,876	5,039	49.6	49.8
16 to 19 years	436	376	34.7	29.3	433	373	34.5	29.2
16 to 17 years	136	99	21.3	15.4	135	99	21.3	15.4
18 to 19 years	301	276	48.3	43.5	298	274	48.1	43.3
20 to 24 years	803	831	57.5	57.5	794	819	57.2	57.1
25 to 54 years	3,098	3,252	61.3	62.4	3,094	3,247	61.2	62.4
25 to 34 years	1,331	1,456	63.0	65.7	1,328	1,451	62.9	65.6
35 to 44 years	979	998	62.8	62.5	979	997	62.8	62.5
45 to 54 years	787	798	56.9	57.0	787	798	56.9	57.0
55 to 64 years	445	477	43.6	46.1	445	477	43.6	46.1
55 to 59 years	283	296	52.3	52.9	283	296	52.3	52.9
60 to 64 years	161	180	33.8	38.1	161	180	33.8	38.1
65 years and over	111	124	10.0	10.6	111	124	10.0	10.6

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

[Numbers in thousands]

Sex and age	September 1976						
	Civilian labor force						Not in labor force
	Total	Employed			Unemployed		
Total		Agri- culture	Nonagri- cultural indus- tries	Number	Percent of labor force		
Total							
16 years and over	9,305	8,080	227	7,854	1,224	13.2	6,711
16 to 19 years	706	401	25	375	305	43.3	1,518
16 to 17 years	200	103	6	97	97	48.4	946
18 to 19 years	506	298	20	278	209	41.2	571
20 to 24 years	1,436	1,101	27	1,074	334	23.3	799
25 to 54 years	5,947	5,410	119	5,290	537	9.0	2,058
25 to 34 years	2,586	2,281	45	2,236	306	11.8	724
35 to 44 years	1,833	1,694	25	1,669	139	7.6	609
45 to 54 years	1,528	1,435	50	1,385	93	6.1	726
55 to 64 years	947	913	36	877	34	3.6	773
55 to 59 years	582	556	16	541	26	4.4	339
60 to 64 years	365	356	20	336	8	2.2	435
65 years and over	270	256	19	237	13	5.0	1,563
Males							
16 years and over	4,979	4,397	207	4,190	582	11.7	2,235
16 to 19 years	386	227	23	204	159	41.1	704
16 to 17 years	114	68	6	63	46	40.0	454
18 to 19 years	272	159	18	141	113	41.6	250
20 to 24 years	749	587	27	561	162	21.6	236
25 to 54 years	3,172	2,942	105	2,839	229	7.2	415
25 to 34 years	1,351	1,222	42	1,180	129	9.5	118
35 to 44 years	968	912	21	891	56	5.8	108
45 to 54 years	853	809	41	768	44	5.1	190
55 to 64 years	514	493	34	459	21	4.0	270
55 to 59 years	315	300	14	285	16	5.0	109
60 to 64 years	198	194	19	174	5	2.5	161
65 years and over	159	147	19	128	13	7.9	611
Females							
16 years and over	4,325	3,683	20	3,663	642	14.8	4,476
16 to 19 years	320	173	2	172	147	45.8	814
16 to 17 years	86	35	--	35	51	59.7	493
18 to 19 years	235	139	2	137	96	40.8	321
20 to 24 years	687	514	--	514	173	25.2	563
25 to 54 years	2,775	2,467	16	2,452	308	11.1	1,643
25 to 34 years	1,235	1,059	3	1,056	177	14.3	606
35 to 44 years	865	782	4	778	82	9.5	501
45 to 54 years	675	626	9	617	49	7.2	536
55 to 64 years	433	420	2	417	13	3.0	504
55 to 59 years	267	257	1	255	10	3.7	230
60 to 64 years	166	163	1	162	3	1.9	274
65 years and over	110	109	--	109	1	.9	953

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

HOUSEHOLD DATA

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

[Numbers in thousands]

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976
TOTAL								
Total noninstitutional population	154,052	156,595	65,353	66,491	72,001	73,286	16,698	16,819
Total labor force	94,965	97,120	52,754	53,504	33,424	34,818	8,787	8,798
Percent of population	61.6	62.0	80.7	80.5	46.4	47.5	52.6	52.3
Civilian labor force	92,795	94,975	51,030	51,810	33,349	34,728	8,416	8,438
Employed	85,274	87,949	47,938	49,172	30,593	31,943	6,742	6,834
Agriculture	3,626	3,396	2,557	2,405	573	560	496	430
Nonagricultural industries	81,647	84,553	45,381	46,766	30,020	31,383	6,246	6,404
Unemployed	7,522	7,026	3,092	2,638	2,756	2,785	1,674	1,603
Percent of labor force	8.1	7.4	6.1	5.1	8.3	8.0	19.9	19.0
Not in labor force	59,087	59,476	12,599	12,987	38,577	38,468	7,911	8,021
White								
Total noninstitutional population	135,765	137,782	58,153	59,076	63,411	64,429	14,201	14,277
Total labor force	83,980	85,896	47,147	47,834	28,967	30,135	7,866	7,927
Percent of population	61.9	62.3	81.1	81.0	45.7	46.8	55.4	55.5
Civilian labor force	82,169	84,119	45,707	46,432	28,906	30,062	7,556	7,625
Employed	76,144	78,452	43,199	44,248	26,732	27,849	6,213	6,355
Agriculture	3,318	3,134	2,341	2,188	532	540	445	406
Nonagricultural industries	72,826	75,318	40,858	42,060	26,200	27,309	5,768	5,949
Unemployed	6,025	5,667	2,509	2,184	2,174	2,213	1,343	1,270
Percent of labor force	7.3	6.7	5.5	4.7	7.5	7.4	17.8	16.7
Not in labor force	51,785	51,886	11,006	11,242	34,444	34,294	6,336	6,350
Black and other								
Total noninstitutional population	18,287	18,813	7,200	7,414	8,590	8,857	2,497	2,542
Total labor force	10,985	11,224	5,607	5,670	4,457	4,683	922	871
Percent of population	60.1	59.7	77.9	76.5	51.9	52.9	36.9	34.3
Civilian labor force	10,627	10,856	5,323	5,377	4,444	4,666	860	813
Employed	9,130	9,497	4,739	4,923	3,861	4,094	529	479
Agriculture	308	262	216	217	42	21	51	24
Nonagricultural industries	8,821	9,235	4,523	4,707	3,820	4,073	478	455
Unemployed	1,497	1,359	584	454	582	572	331	334
Percent of labor force	14.1	12.5	11.0	8.4	13.1	12.3	38.5	41.0
Not in labor force	7,302	7,589	1,593	1,744	4,133	4,174	1,575	1,671

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

[Numbers in thousands]

Employment status	September 1976								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Total noninstitutional population	25,029	12,645	12,384	21,291	10,799	10,492	3,738	1,846	1,892
Total labor force	14,626	8,171	6,456	13,003	7,233	5,770	1,624	938	686
Percent of population	58.4	64.6	52.1	61.1	67.0	55.0	43.4	50.8	36.3
Civilian labor force	13,854	7,448	6,406	12,367	6,638	5,729	1,487	809	678
Employed	11,555	6,234	5,321	10,591	5,711	4,880	964	523	441
Agriculture	608	513	95	562	471	91	46	42	4
Nonagricultural industries	10,948	5,721	5,227	10,029	5,240	4,789	918	481	437
Unemployed	2,299	1,214	1,085	1,776	927	849	523	286	236
Percent of labor force	16.6	16.3	16.9	14.4	14.0	14.8	35.2	35.4	34.9
Looking for full-time work	1,438	772	666	1,066	565	501	372	207	165
Looking for part-time work	861	441	420	710	362	348	151	80	72
Not in labor force	10,403	4,474	5,928	8,289	3,566	4,722	2,114	908	1,206
MAJOR ACTIVITY: GOING TO SCHOOL									
Civilian labor force	3,709	1,956	1,753	3,394	1,791	1,603	315	165	150
Employed	2,930	1,563	1,367	2,776	1,475	1,301	154	87	66
Agriculture	184	155	29	184	155	29	--	--	--
Nonagricultural industries	2,746	1,407	1,338	2,592	1,320	1,272	154	88	66
Unemployed	779	394	385	618	316	302	161	78	83
Percent of labor force	21.0	20.1	22.0	18.2	17.7	18.8	51.1	47.1	55.6
Looking for full-time work	70	36	34	41	23	18	29	13	16
Looking for part-time work	709	358	351	577	293	284	132	65	67
Not in labor force	7,883	3,924	3,960	6,312	3,142	3,170	1,571	781	790
MAJOR ACTIVITY: OTHER									
Civilian labor force	10,145	5,491	4,654	8,973	4,847	4,126	1,172	644	528
Employed	8,625	4,672	3,954	7,815	4,236	3,579	810	436	375
Agriculture	424	358	66	378	316	62	46	42	4
Nonagricultural industries	8,202	4,314	3,888	7,437	3,920	3,517	765	393	371
Unemployed	1,520	820	700	1,158	611	547	362	209	153
Percent of labor force	15.0	14.9	15.0	12.9	12.6	13.3	30.9	32.4	29.0
Looking for full-time work	1,368	736	631	1,025	542	483	342	194	148
Looking for part-time work	152	84	69	132	69	64	20	15	5
Not in labor force	2,519	551	1,969	1,977	424	1,553	543	126	416

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

[Numbers in thousands]

Race, sex, and age	September 1976								
	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 ²	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	80,659	71,946	3,314	5,400	6.7	14,316	12,689	1,627	11.4
16 to 21 years	8,704	6,418	848	1,438	16.5	5,151	4,290	861	16.7
16 to 19 years	4,263	2,874	531	859	20.1	4,174	3,429	745	17.8
16 to 17 years	727	417	137	172	23.6	2,705	2,183	522	19.3
18 to 19 years	3,537	2,457	393	687	19.4	1,469	1,246	222	15.1
20 years and over	76,396	69,072	2,783	4,561	5.9	10,142	9,260	882	8.7
20 to 24 years	11,969	9,942	685	1,341	11.2	1,917	1,676	241	12.6
25 years and over	64,427	59,130	2,098	3,200	5.0	8,225	7,584	641	7.8
25 to 54 years	52,849	48,430	1,650	2,770	5.2	5,503	5,031	471	8.6
55 years and over	11,578	10,700	448	431	3.7	2,721	2,553	169	6.2
Males, 16 years and over	51,577	47,047	1,671	2,859	5.5	4,725	4,116	609	12.9
16 to 21 years	4,918	3,730	416	772	15.7	2,529	2,088	441	17.4
16 to 19 years	2,378	1,683	248	447	18.8	2,115	1,731	383	18.1
20 years and over	49,199	45,364	1,423	2,413	4.9	2,611	2,385	226	8.6
20 to 24 years	6,808	5,740	360	708	10.4	803	707	96	12.0
25 years and over	42,391	39,624	1,063	1,705	4.0	1,808	1,678	130	7.2
25 to 54 years	34,602	32,335	835	1,433	4.1	662	604	59	8.9
55 years and over	7,789	7,290	227	272	3.5	1,145	1,075	70	6.1
Females, 16 years and over	29,082	24,898	1,643	2,540	8.7	9,591	8,573	1,018	10.6
16 to 21 years	3,785	2,688	432	666	17.6	2,621	2,202	420	16.0
16 to 19 years	1,885	1,191	283	412	21.8	2,060	1,698	361	17.5
20 years and over	27,196	23,708	1,361	2,128	7.8	7,531	6,875	656	8.7
20 to 24 years	5,161	4,202	325	633	12.3	1,114	969	145	13.0
25 years and over	22,035	19,506	1,036	1,495	6.8	6,417	5,906	511	8.0
25 to 54 years	18,247	16,095	815	1,337	7.3	4,841	4,427	413	8.5
55 years and over	3,789	3,410	221	158	4.2	1,576	1,478	99	6.3
White									
Males, 16 years and over	46,209	42,565	1,308	2,336	5.1	4,276	3,772	504	11.8
16 to 21 years	4,322	3,415	342	565	13.1	2,317	1,955	362	15.6
16 to 19 years	2,115	1,559	213	343	16.2	1,938	1,626	312	16.1
20 years and over	44,094	41,006	1,095	1,993	4.5	2,338	2,147	191	8.2
20 to 24 years	6,004	5,165	285	554	9.2	729	642	86	11.9
25 years and over	38,090	35,841	810	1,439	3.8	1,609	1,505	105	6.5
25 to 54 years	30,965	29,128	639	1,199	3.9	573	527	45	7.9
55 years and over	7,125	6,714	171	241	3.4	1,037	978	60	5.8
Females, 16 years and over	24,845	21,591	1,295	1,959	7.9	8,788	7,921	868	9.9
16 to 21 years	3,295	2,427	367	501	15.2	2,434	2,086	348	14.3
16 to 19 years	1,651	1,094	239	318	19.2	1,921	1,624	296	15.4
20 years and over	23,194	20,496	1,056	1,641	7.1	6,868	6,296	572	8.3
20 to 24 years	4,427	3,697	273	457	10.3	1,028	904	124	12.1
25 years and over	18,767	16,799	783	1,184	6.3	5,840	5,392	448	7.7
25 to 54 years	15,385	13,739	614	1,032	6.7	4,456	4,097	359	8.1
55 years and over	3,382	3,060	168	153	4.5	1,383	1,295	88	6.4
Black and other									
Males, 16 years and over	5,368	4,483	362	523	9.7	449	344	105	23.4
16 to 21 years	597	315	75	207	34.7	213	133	80	37.5
16 to 19 years	263	125	35	103	39.3	177	106	71	40.2
20 years and over	5,105	4,358	327	420	8.2	273	238	34	12.6
20 to 24 years	804	575	75	154	19.2	74	64	10	(2)
25 years and over	4,301	3,783	252	266	6.2	199	174	24	12.1
25 to 54 years	3,637	3,206	196	234	6.4	90	77	13	14.4
55 years and over	663	576	56	31	4.7	109	97	11	10.1
Females, 16 years and over	4,236	3,308	348	581	13.7	802	653	150	18.7
16 to 21 years	490	261	65	165	33.6	188	116	72	38.2
16 to 19 years	234	96	44	94	40.1	139	74	65	46.9
20 years and over	4,002	3,211	304	487	12.2	663	579	85	12.8
20 to 24 years	734	505	52	177	24.1	86	65	20	23.9
25 years and over	3,268	2,706	252	310	9.5	577	514	65	11.3
25 to 54 years	2,862	2,357	201	304	10.6	385	330	54	14.0
55 years and over	407	349	51	7	1.7	193	183	10	5.2

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

² Percent not shown where base is less than 75,000.

HOUSEHOLD DATA

A-9. Unemployed persons by sex and age

Age	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976
Total, 16 years and over	3,947	3,469	7.1	6.2	3,575	3,558	9.6	9.2
16 to 19 years	854	830	19.0	18.5	819	773	20.9	19.6
16 to 17 years	403	377	21.4	20.3	351	317	22.2	20.1
18 to 19 years	452	453	17.3	17.2	468	456	20.0	19.3
20 years and over	3,092	2,638	6.1	5.1	2,756	2,785	8.3	8.0
20 to 24 years	1,035	804	14.0	10.6	799	778	13.1	12.4
25 years and over	2,057	1,834	4.7	4.1	1,957	2,007	7.2	7.1
25 to 34 years	858	774	6.1	5.3	856	917	9.8	9.7
35 to 44 years	386	371	3.7	3.6	494	476	7.5	6.9
45 to 54 years	468	346	4.5	3.4	377	357	5.7	5.3
55 to 64 years	258	265	3.7	3.7	189	207	4.5	4.8
55 to 59 years	160	164	3.8	3.8	103	139	3.9	5.1
60 to 64 years	98	100	3.5	3.6	86	68	5.5	4.3
65 years and over	87	78	4.5	4.2	41	50	4.0	4.7
Household heads, 16 years and over	2,092	1,783	4.6	3.9	596	681	7.1	7.8
16 to 24 years	373	284	8.8	6.9	125	138	10.7	11.4
25 to 54 years	1,394	1,176	4.3	3.6	378	443	7.5	8.3
55 years and over	325	323	3.8	3.7	93	101	4.3	4.7

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

Marital status, sex, age, and race	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976
Total, 16 years and over	3,947	3,469	7.1	6.2	3,575	3,558	9.6	9.2
Married, spouse present	1,726	1,430	4.3	3.6	1,807	1,769	8.3	7.9
Widowed, divorced, or separated	382	314	10.1	8.1	588	602	8.8	8.6
Single (never married)	1,839	1,724	15.7	13.9	1,181	1,187	13.3	12.8
White, 16 years and over	3,220	2,840	6.5	5.6	2,805	2,827	8.7	8.4
Married, spouse present	1,473	1,246	4.0	3.4	1,521	1,521	7.8	7.6
Widowed, divorced, or separated	273	251	8.9	7.9	425	447	7.9	8.0
Single (never married)	1,474	1,343	14.4	12.4	858	859	11.3	10.8
Black and other, 16 years and over	727	628	12.6	10.8	770	731	15.8	14.5
Married, spouse present	253	184	7.1	5.2	285	249	12.6	10.7
Widowed, divorced, or separated	109	63	14.9	8.6	163	155	12.4	11.1
Single (never married)	364	381	25.2	24.8	322	328	25.0	24.9
Total, 20 to 64 years of age	3,005	2,560	6.1	5.1	2,715	3,735	8.4	8.1
Married, spouse present	1,627	1,341	4.3	3.5	1,674	1,667	8.0	7.7
Widowed, divorced, or separated	365	300	10.4	8.2	530	551	8.7	8.7
Single (never married)	1,012	920	13.7	11.4	512	517	9.5	9.0
White, 20 to 64 years of age	2,431	2,119	5.5	4.7	2,137	2,164	7.6	7.4
Married, spouse present	1,381	1,172	4.0	3.4	1,406	1,434	7.5	7.4
Widowed, divorced, or separated	262	238	9.3	8.0	375	398	7.7	7.9
Single (never married)	788	709	12.4	10.2	356	332	7.9	7.0
Black and other, 20 to 64 years of age	575	441	11.2	8.5	578	571	13.3	12.6
Married, spouse present	247	168	7.2	4.9	268	232	12.2	10.3
Widowed, divorced, or separated	103	62	15.0	9.1	155	154	12.6	11.8
Single (never married)	224	211	21.9	19.0	155	185	17.2	19.0

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976
Total	7,522	7,026	8.1	7.4	7.1	6.2	9.6	9.2
White-collar workers	2,302	2,235	5.2	4.8	3.5	3.0	6.8	6.6
Professional and technical	514	499	3.8	3.5	3.4	2.5	4.4	4.9
Managers and administrators, except farm	307	304	3.2	3.1	2.8	2.5	5.0	5.2
Sales workers	315	299	5.5	5.1	3.7	3.3	8.0	7.4
Clerical workers	1,165	1,132	7.3	6.9	5.0	5.2	7.9	7.4
Blue-collar workers	3,146	2,594	10.0	8.2	9.1	7.3	14.2	12.1
Craft and kindred workers	857	696	7.2	5.7	7.1	5.5	10.6	9.9
Carpenters and other construction craft	443	332	11.6	8.8	11.7	8.7	(1)	(1)
All other	414	364	5.2	4.4	4.8	4.0	11.1	9.3
Operatives, except transport	1,368	1,056	12.2	9.5	10.4	7.3	14.9	12.9
Transport equipment operatives	260	215	7.4	6.1	7.5	6.2	6.4	4.6
Nonfarm laborers	661	627	13.6	12.5	13.4	12.7	15.9	11.3
Construction laborers	208	202	21.0	20.4	20.7	20.4	(1)	(1)
All other	453	425	11.7	10.6	11.3	10.5	14.8	11.0
Service workers	1,183	1,192	9.3	9.0	9.5	8.5	9.2	9.4
Private household	103	51	8.6	4.3	(1)	(1)	8.4	4.2
All other	1,079	1,141	9.4	9.5	9.5	8.5	9.3	10.2
Farm workers	111	108	3.4	3.6	3.0	2.6	5.2	7.9
No previous work experience	781	897	--	--	--	--	--	--
16 to 19 years	557	621	--	--	--	--	--	--
20 to 24 years	136	171	--	--	--	--	--	--
25 years and over	88	106	--	--	--	--	--	--

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

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

Industry	Percent distribution		Unemployment rates					
			Total		Males		Females	
	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976
Total	100.0	100.0	8.1	7.4	7.1	6.2	9.6	9.2
Nonegricultural private wage and salary workers	76.0	72.8	8.5	7.5	7.8	6.3	9.6	9.2
Mining	.2	.4	2.5	3.8	2.2	3.7	(1)	(1)
Construction	8.6	7.6	14.3	12.0	14.7	12.2	8.3	9.2
Manufacturing	26.7	20.9	9.5	6.9	7.9	5.1	13.2	11.1
Durable goods	17.1	11.7	10.2	6.5	8.9	5.3	14.9	10.6
Lumber and wood products	.7	.6	8.4	6.5	7.2	6.1	15.4	8.8
Furniture and fixtures	.7	.4	8.7	4.7	6.2	5.2	15.1	3.3
Stone, clay, and glass products	.7	.4	7.8	3.7	7.1	4.2	11.4	1.8
Primary metal industries	1.8	1.0	10.2	5.4	9.1	4.7	20.2	11.7
Fabricated metal products	2.1	1.8	10.3	7.9	9.5	7.0	13.1	10.9
Machinery, except electrical equipment	3.2	1.7	10.2	5.2	9.5	4.8	13.3	7.3
Electrical equipment	3.3	2.4	11.6	7.8	8.7	4.1	16.2	12.6
Transportation equipment	3.1	2.0	11.4	6.9	10.6	5.5	16.2	15.0
Automobiles	1.6	.7	10.9	4.4	11.4	3.2	7.6	11.7
Other transportation equipment	1.5	1.3	11.9	10.0	9.7	8.3	24.3	19.0
Instruments and related products	.5	.4	7.0	4.9	3.6	2.5	11.6	8.8
Other durable goods industries	.9	1.0	10.8	10.9	7.4	8.9	15.4	13.7
Nondurable goods	9.6	9.2	8.4	7.6	6.0	4.8	11.9	11.6
Food and kindred products	2.2	2.3	8.8	8.6	7.0	7.2	13.0	12.1
Textile mill products	.9	1.0	8.4	8.3	6.1	2.4	11.0	14.4
Apparel and other textile products	2.2	2.0	11.7	10.3	9.2	4.4	12.3	11.8
Paper and allied products	.5	.6	5.7	6.5	4.5	4.2	10.7	14.5
Printing and publishing	1.0	.8	6.0	4.3	5.2	3.2	7.3	6.1
Chemicals and allied products	1.2	1.0	7.2	5.7	5.1	4.9	13.8	7.9
Rubber and plastics products	.9	.8	11.2	9.0	9.3	3.5	14.4	19.2
Other nondurable goods industries	.6	.6	7.5	7.5	2.9	4.7	14.2	12.1
Transportation and public utilities	3.4	3.4	5.3	4.7	5.2	4.4	5.4	6.8
Railroads and railway express	.3	.3	4.1	3.8	3.7	3.8	(1)	(1)
Other transportation	2.3	2.0	8.0	6.2	8.4	6.0	6.4	7.2
Communication and other public utilities	.7	1.1	2.7	3.0	1.8	2.4	4.7	6.5
Wholesale and retail trade	19.3	21.3	8.6	8.5	7.1	6.8	10.3	10.5
Finance, insurance, and real estate	2.7	3.0	4.7	4.7	4.3	3.6	5.1	5.5
Service industries	15.1	16.3	7.8	7.4	7.2	6.8	8.2	7.9
Professional services	5.9	7.0	5.5	5.8	5.0	4.0	5.7	6.7
All other service industries	9.2	9.2	10.8	9.7	9.2	9.3	12.2	10.0
Agricultural wage and salary workers	2.0	2.1	9.7	9.8	8.8	7.6	14.2	18.2
All other classes of workers	11.6	12.3	3.7	3.9	2.9	3.3	4.9	4.8
No previous work experience	10.4	12.8	--	--	--	--	--	--

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	
	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976
UNEMPLOYMENT LEVEL												
Total unemployed, in thousands	7,522	7,026	3,092	2,638	2,756	2,785	1,674	1,603	6,025	5,667	1,497	1,359
Job losers	3,816	2,986	2,210	1,714	1,193	979	413	293	3,092	2,427	724	559
Job leavers	950	1,071	310	368	456	528	185c	174	799	927	151	143
Reentrants	1,977	2,071	493	467	965	1,090	519c	513	1,567	1,642	410	428
New entrants	779	899	79	90	142	187	557	623	567	671	212	228
Total unemployed, percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	50.8	42.5	71.4	64.9	43.2	35.2	24.7	18.3	51.4	42.8	48.3	41.2
Job leavers	12.6	15.2	10.0	13.9	16.5	19.0	11.0	10.9	13.3	16.4	10.1	10.5
Reentrants	26.3	29.5	15.9	17.7	35.0	39.2	31.0	32.0	26.0	29.0	27.4	31.5
New entrants	10.4	12.8	2.6	3.4	5.2	6.7	33.3	38.9	9.4	11.8	14.2	16.8
UNEMPLOYMENT RATE												
Total unemployment rate	8.1	7.4	6.1	5.1	8.3	8.0	19.9	19.0	7.3	6.7	14.1	12.5
Job loser rate ¹	4.1	3.1	4.4	3.3	3.6	2.8	4.9c	3.5	3.7	2.9	6.8	5.2
Job leaver rate ¹	1.0	1.1	.6	.7	1.4	1.5	2.2	2.1	1.0	1.1	1.4	1.3
Reentrant rate ¹	2.1	2.2	1.0	.9	2.9	3.1	6.2	6.1	1.9	2.0	3.9	3.9
New entrant rate ¹ .....	.8	.9	.2	.2	.4	.5	6.6	7.4	.7	.8	2.0c	2.1

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

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

(Percent distribution)

Reason, sex, and age	September 1976						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over	15 to 26 weeks	27 weeks and over
Total, 16 years and over	7,026	100.0	45.1	27.7	27.2	11.6	15.6
Job losers	2,986	100.0	34.9	27.8	37.2	14.2	23.1
Job leavers	1,071	100.0	48.9	26.2	24.8	11.3	13.5
Reentrants	2,071	100.0	56.3	26.9	16.9	8.2	8.7
New entrants	899	100.0	48.8	30.8	20.4	11.2	9.2
Males, 20 years and over	2,638	100.0	34.5	28.1	37.4	13.7	23.7
Job losers	1,714	100.0	30.6	28.5	40.9	13.4	27.5
Job leavers	368	100.0	45.4	25.3	29.3	15.5	13.9
Reentrants	467	100.0	38.5	29.3	32.1	15.0	17.1
New entrants	90	100.0	46.1	21.3	32.6	5.6	27.0
Females, 20 years and over	2,785	100.0	49.3	26.2	24.6	10.7	13.8
Job losers	979	100.0	35.2	27.0	37.8	17.2	20.6
Job leavers	528	100.0	47.6	28.0	24.4	9.3	15.1
Reentrants	1,090	100.0	61.4	24.3	14.2	6.3	7.9
New entrants	187	100.0	57.0	27.4	15.6	6.5	9.1
Both sexes, 16 to 19 years	1,603	100.0	55.3	29.8	15.0	9.5	5.4
Job losers	293	100.0	59.5	26.5	13.9	8.8	5.1
Job leavers	174	100.0	60.3	23.0	16.7	8.6	8.0
Reentrants	513	100.0	61.3	30.2	8.6	5.6	2.9
New entrants	623	100.0	46.8	33.0	20.2	13.5	6.7

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

Sex, age, and race	September 1976								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	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	7,026	6,113	27.1	7.2	72.6	30.6	14.8	5.5	1.58
16 to 19 years	1,603	1,514	17.8	3.6	77.7	26.8	14.0	4.7	1.45
20 to 24 years	1,582	1,404	31.8	7.4	73.7	32.5	14.8	4.1	1.64
25 to 34 years	1,691	1,425	28.9	9.1	70.0	33.1	15.0	7.3	1.63
35 to 44 years	847	707	32.7	8.8	72.1	32.5	17.5	3.1	1.67
45 to 54 years	703	571	29.2	10.0	67.4	32.4	15.4	7.9	1.62
55 to 64 years	472	383	27.7	6.3	68.7	25.3	10.4	8.4	1.47
65 years and over	127	110	20.0	9.1	64.5	25.5	15.5	5.5	1.40
Males, 16 years and over	3,469	2,919	30.9	7.5	73.9	28.2	18.2	7.8	1.67
16 to 19 years	830	785	16.3	3.2	79.4	24.8	16.7	5.7	1.46
20 to 24 years	804	688	36.0	6.7	75.3	30.2	18.2	4.1	1.71
25 to 34 years	774	604	34.1	9.9	68.5	32.1	18.5	11.9	1.75
35 to 44 years	371	294	50.0	14.3	75.2	31.3	25.2	6.1	2.02
45 to 54 years	346	273	34.8	11.7	70.0	29.3	19.0	13.9	1.79
55 to 64 years	265	207	30.9	4.8	68.6	20.8	13.5	11.1	1.50
65 years and over	78	69	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Females, 16 years and over	3,558	3,194	23.6	7.0	71.4	32.9	11.7	3.4	1.50
16 to 19 years	773	729	19.5	4.3	75.9	28.9	11.1	3.4	1.43
20 to 24 years	778	716	27.8	8.1	72.1	34.8	11.7	4.2	1.59
25 to 34 years	917	821	25.1	8.4	71.0	33.6	12.4	3.9	1.54
35 to 44 years	476	413	20.1	4.8	70.2	33.4	12.3	1.0	1.42
45 to 54 years	357	298	24.2	8.4	65.1	35.2	12.1	2.0	1.47
55 to 64 years	207	176	23.9	8.0	68.8	30.7	6.3	5.1	1.43
65 years and over	50	42	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White	5,667	4,873	25.8	7.8	73.4	32.6	14.1	5.9	1.60
Males	2,840	2,355	30.0	8.2	74.8	29.9	17.4	8.5	1.70
Females	2,827	2,518	22.0	7.4	72.2	35.1	11.0	3.5	1.51
Black and other	1,359	1,240	31.9	5.1	69.3	23.1	17.7	4.0	1.51
Males	628	564	34.4	4.4	70.4	21.3	21.6	5.1	1.57
Females	731	676	29.9	5.5	68.5	24.1	14.2	3.0	1.46

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 the jobsearch methods used, sex, and reason for unemployment

Sex and reason	September 1976								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	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	7,026	6,113	27.1	7.2	72.6	30.6	14.8	5.5	1.58
Job losers	2,986	2,220	35.9	8.4	72.0	32.4	18.1	7.4	1.74
Job leavers	1,071	1,060	29.2	8.0	73.6	36.9	13.3	3.2	1.64
Reentrants	2,071	1,949	20.7	6.0	71.2	27.8	12.8	4.8	1.43
New entrants	899	884	16.4	5.8	76.0	25.0	12.6	5.2	1.41
Males, 16 years and over	3,469	2,919	30.9	7.5	73.9	28.2	18.2	7.8	1.67
Job losers	1,888	1,412	38.0	8.1	72.5	30.9	20.4	10.1	1.80
Job leavers	450	444	30.6	7.7	77.7	30.0	16.7	4.3	1.67
Reentrants	721	662	24.5	8.2	71.8	26.0	14.7	6.6	1.52
New entrants	409	401	16.7	3.7	78.8	20.4	17.7	5.7	1.43
Females, 16 years and over	3,558	3,194	23.6	7.0	71.4	32.9	11.7	3.4	1.50
Job losers	1,098	808	32.3	8.8	71.2	34.9	14.0	2.6	1.64
Job leavers	620	616	28.2	8.4	70.6	41.9	10.9	2.4	1.62
Reentrants	1,349	1,287	18.7	5.0	70.9	28.9	11.9	3.8	1.39
New entrants	490	483	16.1	7.5	73.7	28.8	8.3	4.8	1.39

NOTE: See note, table A-15.

HOUSEHOLD DATA

A-17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Household heads			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976
Total	7,522	7,026	100.0	100.0	2,688	2,464	100.0	100.0
Less than 5 weeks	3,161	3,170	42.0	45.1	852	900	31.7	36.5
5 to 14 weeks	1,939	1,945	25.8	27.7	696	667	26.0	27.1
5 to 10 weeks	1,274	1,316	16.9	18.7	449	463	16.8	18.8
11 to 14 weeks	665	629	8.8	9.0	247	204	9.2	8.3
15 weeks and over	2,422	1,911	32.2	27.2	1,140	897	42.4	36.4
15 to 26 weeks	965	815	12.8	11.6	386	331	14.4	13.4
27 weeks and over	1,457	1,097	19.4	15.6	754	566	28.1	23.0
27 to 51 weeks	1,007	560	13.4	8.0	531	280	19.8	11.4
52 weeks and over	450	537	6.0	7.6	224	287	8.3	11.6
Average (mean) duration	14.9	14.2	--	--	18.7	18.4	--	--

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

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over		Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976
	September 1976						Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976
Total, 16 years and over	7,026	3,170	1,945	815	1,097	14.2	42.0	45.1	32.2	27.2
16 to 21 years	2,299	1,244	677	217	161	9.2	52.5	54.1	20.0	16.4
16 to 19 years	1,603	887	477	153	86	8.6	57.3	55.3	14.5	14.9
20 to 24 years	1,582	769	443	175	195	12.1	41.1	48.6	32.0	23.4
25 to 34 years	1,691	735	492	182	282	14.5	37.9	43.5	38.7	27.4
35 to 44 years	847	340	231	111	165	16.5	40.0	40.1	36.3	32.6
45 to 54 years	703	252	161	117	173	20.3	32.0	35.8	42.1	41.2
55 to 64 years	472	160	101	59	151	23.2	33.8	33.9	39.9	44.6
65 years and over	127	28	38	17	45	23.7	20.8	21.6	57.4	48.3
Males, 16 years and over	3,469	1,363	994	437	675	16.5	35.9	39.3	38.2	32.1
16 to 21 years	1,214	627	362	117	108	10.3	48.6	51.7	24.1	18.5
16 to 19 years	830	451	254	75	50	9.0	55.0	54.4	17.9	15.0
20 to 24 years	804	343	226	94	141	15.1	34.4	42.6	37.6	29.3
25 to 34 years	774	270	252	86	166	17.3	31.1	34.9	46.9	32.6
35 to 44 years	371	115	103	67	86	19.0	27.3	30.9	49.5	41.4
45 to 54 years	346	92	72	71	111	24.6	27.4	26.7	45.4	52.5
55 to 64 years	265	75	55	35	99	27.6	27.3	28.4	42.0	50.8
65 years and over	78	16	31	8	22	19.6	23.2	21.2	56.6	38.5
Females, 16 years and over	3,558	1,807	951	378	421	11.9	48.8	50.8	25.6	22.5
16 to 21 years	1,085	617	315	100	53	8.0	56.8	56.8	15.4	14.1
16 to 19 years	773	435	223	78	37	8.1	59.7	56.3	11.0	14.9
20 to 24 years	778	427	217	81	54	8.9	49.7	54.9	24.7	17.2
25 to 34 years	917	465	240	95	116	12.1	44.7	50.7	30.6	23.1
35 to 44 years	476	225	129	44	78	14.6	49.9	47.3	26.0	25.7
45 to 54 years	357	160	89	46	62	16.2	37.6	44.7	38.0	30.3
55 to 64 years	207	85	46	24	52	17.7	42.7	40.9	37.0	36.7
65 years and over	50	11	7	9	23	30.1	(1)	(1)	(1)	(1)
White	5,667	2,592	1,549	648	878	13.8	41.9	45.7	32.0	26.9
Males	2,840	1,119	799	350	572	16.5	36.0	39.4	38.0	32.4
Females	2,827	1,473	749	298	307	11.1	48.7	52.1	25.1	21.4
Black and other	1,359	578	396	167	218	15.7	42.5	42.5	33.0	28.3
Males	628	244	194	87	104	16.8	35.3	38.8	38.8	30.3
Females	731	334	202	80	115	14.7	49.2	45.7	27.5	26.6
Males:										
Married, spouse present	1,430	474	395	200	361	19.6	29.4	33.1	46.0	39.3
Widowed, divorced, or separated	314	103	85	42	84	19.8	31.0	32.9	37.8	40.0
Single (never married)	1,724	786	513	194	231	13.4	43.0	45.6	30.8	24.6
Females:										
Married, spouse present	1,769	892	471	185	220	11.9	48.5	50.4	28.5	22.9
Widowed, divorced, or separated	602	248	162	67	124	17.1	43.2	41.2	30.3	31.8
Single (never married)	1,187	667	318	125	77	9.1	52.0	56.2	18.9	17.0

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

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

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over		Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976
	September 1976						Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976
OCCUPATION										
White-collar workers	2,235	1,035	560	301	339	13.8	42.9	46.3	31.5	28.6
Professional and managerial	803	357	182	128	137	14.8	38.7	44.5	33.4	33.0
Sales workers	299	141	66	33	59	15.7	45.8	47.2	33.1	30.7
Clerical workers	1,132	537	312	141	142	12.5	45.0	47.4	29.6	25.0
Blue-collar workers	2,594	1,065	729	282	519	16.4	35.2	41.0	40.6	30.8
Craft and kindred workers	696	240	221	75	160	17.4	35.9	34.4	38.7	33.7
Operatives, except transport	1,056	447	298	121	191	16.3	34.3	42.3	44.7	29.5
Transport equipment operatives	215	75	61	28	52	18.7	35.8	34.7	38.2	36.9
Nonfarm laborers	627	304	149	59	116	14.7	36.2	48.4	35.3	27.8
Service workers	1,192	573	347	117	155	13.0	49.5	48.1	23.4	22.9
INDUSTRY¹										
Agriculture	151	83	44	18	7	8.3	57.5	54.8	14.8	16.0
Construction	572	257	172	37	106	14.8	40.1	44.9	33.8	25.0
Manufacturing	1,472	614	367	192	299	17.0	31.7	41.7	46.4	33.4
Durable goods	827	317	204	97	209	19.0	27.5	38.4	51.0	37.0
Nondurable goods	645	297	163	95	90	14.4	39.0	46.0	38.3	28.7
Transportation and public utilities	268	95	85	34	53	16.6	40.5	35.5	35.3	32.6
Wholesale and retail trade	1,500	635	430	198	238	14.7	43.3	42.3	29.1	29.0
Finance and service industries	1,808	908	467	190	243	11.6	46.8	50.2	26.4	23.9
Public administration	224	88	65	28	43	16.7	44.6	39.2	25.6	31.6
No previous work experience	897	438	275	101	83	11.1	51.9	48.8	17.9	20.5

¹ Includes wage and salary workers only.

A-20. Employed persons by sex and age

[In thousands]

Age and type of industry	Total		Males		Females	
	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976
All industries	85,274	87,949	51,580	52,834	33,694	35,115
16 to 19 years	6,742	6,834	3,642	3,662	3,100	3,172
16 to 17 years	2,710	2,738	1,481	1,479	1,229	1,259
18 to 19 years	4,032	4,096	2,161	2,183	1,871	1,913
20 to 24 years	11,673	12,303	6,370	6,807	5,302	5,497
25 to 54 years	53,264	55,110	32,989	33,773	20,275	21,339
25 to 34 years	21,001	22,244	13,114	13,751	7,887	8,493
35 to 44 years	16,020	16,538	9,911	10,063	6,109	6,476
45 to 54 years	16,243	16,328	9,964	9,959	6,279	6,370
55 to 64 years	10,780	10,890	6,740	6,797	4,040	4,093
55 to 59 years	6,638	6,694	4,072	4,112	2,566	2,582
60 to 64 years	4,141	4,196	2,668	2,685	1,474	1,511
65 years and over	2,815	2,811	1,838	1,795	976	1,015
Nonagricultural industries	81,647	84,553	48,597	50,066	33,050	34,487
16 to 19 years	6,246	6,404	3,216	3,300	3,030	3,104
16 to 17 years	2,435	2,530	1,248	1,305	1,187	1,225
18 to 19 years	3,811	3,875	1,968	1,995	1,843	1,879
20 to 24 years	11,268	11,903	6,020	6,468	5,248	5,435
25 to 54 years	51,532	53,410	31,646	32,439	19,886	20,971
25 to 34 years	20,417	21,653	12,664	13,275	7,753	8,378
35 to 44 years	15,495	16,041	9,517	9,689	5,978	6,352
45 to 54 years	15,620	15,716	9,465	9,475	6,155	6,241
55 to 64 years	10,170	10,361	6,214	6,355	3,956	4,006
55 to 59 years	6,314	6,398	3,797	3,862	2,517	2,536
60 to 64 years	3,856	3,964	2,417	2,493	1,439	1,471
65 years and over	2,431	2,476	1,500	1,505	931	970
Agriculture	3,626	3,396	2,983	2,768	644	628
16 to 19 years	496	430	426	362	70	68
16 to 17 years	275	208	232	175	42	33
18 to 19 years	221	222	193	188	28	34
20 to 24 years	405	401	350	339	54	62
25 to 54 years	1,733	1,701	1,342	1,334	390	367
25 to 34 years	584	591	450	476	134	115
35 to 44 years	526	497	394	374	132	123
45 to 54 years	623	613	498	484	124	129
55 to 64 years	610	528	526	442	84	87
55 to 59 years	324	296	275	250	49	46
60 to 64 years	285	232	250	192	35	41
65 years and over	383	335	338	290	45	45

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	
	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976
TOTAL	85,274	87,949	47,938	47,172	30,593	31,943	3,642	3,662	3,100	3,172
White-collar workers	42,304	43,950	20,677	21,327	19,596	20,559	532	575	1,498	1,488
Professional and technical	12,864	13,673	7,405	7,830	5,323	5,701	72	80	64	62
Health workers	2,197	2,353	748	792	1,432	1,542	1	4	17	14
Teachers, except college	3,104	3,191	925	901	2,178	2,269	--	6	4	15
Other professional and technical	7,563	8,129	5,732	6,137	1,713	1,890	71	70	43	33
Managers and administrators, except farm	9,169	9,532	7,240	7,481	1,862	1,982	51	48	17	21
Salaried workers	7,376	7,710	5,813	6,027	1,503	1,616	44	44	17	22
Self-employed workers in retail trade	921	925	679	666	236	260	6	--	--	--
Self-employed workers, except retail trade	872	897	747	788	123	105	2	4	--	--
Sales workers	5,409	5,523	2,961	2,887	1,900	2,025	196	236	352	375
Retail trade	2,931	3,013	935	929	1,521	1,551	151	187	324	346
Other industries	2,478	2,509	2,026	1,958	378	474	46	49	28	28
Clerical workers	14,862	15,223	3,072	3,129	10,512	10,851	213	212	1,066	1,030
Stenographers, typists, and secretaries	4,196	4,220	62	79	3,813	3,835	9	5	312	301
Other clerical workers	10,666	11,003	3,010	3,050	6,699	7,016	204	207	754	729
Blue-collar workers	28,283	29,101	21,433	22,050	4,488	4,676	2,039	1,986	323	390
Craft and kindred workers	10,960	11,405	10,131	10,485	441	507	365	380	23	32
Carpenters	1,030	1,025	968	965	6	8	55	52	1	--
Construction craft, except carpenters	2,337	2,421	2,205	2,297	32	28	98	98	2	--
Mechanics and repairers	2,917	3,009	2,758	2,838	13	28	144	142	2	3
Metal craft	1,113	1,204	1,070	1,140	20	32	23	25	--	6
Blue-collar worker supervisors, not elsewhere classified	1,316	1,407	1,192	1,289	118	112	4	5	2	1
All other	2,247	2,338	1,937	1,957	253	299	41	58	15	24
Operatives, except transport	9,882	10,018	5,505	5,564	3,582	3,655	589	559	207	240
Durable goods manufacturing	4,212	4,540	2,786	2,940	1,220	1,350	160	179	46	70
Nondurable goods manufacturing	3,269	3,182	1,264	1,224	1,785	1,728	94	112	126	119
Other industries	2,401	2,296	1,455	1,400	577	577	335	268	35	51
Transport equipment operatives	3,234	3,296	2,843	2,903	183	201	186	179	22	12
Drivers, motor vehicles	2,736	2,763	2,379	2,424	176	187	162	144	19	8
All other	498	533	464	479	8	14	24	36	3	4
Nonfarm laborers	4,208	4,382	2,955	3,096	282	312	900	867	71	107
Construction	782	789	620	629	6	12	154	147	2	2
Manufacturing	984	1,110	732	846	114	136	124	116	15	12
Other industries	2,442	2,482	1,603	1,621	163	165	622	604	54	92
Service workers	11,529	11,998	3,538	3,719	6,050	6,232	715	801	1,227	1,245
Private household workers	1,101	1,142	16	23	846	867	6	13	234	239
Service workers, except private household	10,428	10,856	3,522	3,696	5,203	5,365	709	788	993	1,006
Food service workers	3,756	4,016	679	770	2,001	2,049	411	489	666	707
Protective service workers	1,274	1,230	1,159	1,151	95	75	19	22	1	3
All other	5,398	5,590	1,684	1,775	3,107	3,241	279	277	326	296
Farm workers	3,158	2,900	2,290	2,075	459	476	356	300	52	49
Farmers and farm managers	1,659	1,495	1,527	1,374	113	104	17	15	2	2
Farm laborers and supervisors	1,499	1,405	763	701	346	372	340	285	50	47
Paid workers	1,105	1,055	725	661	99	150	249	213	32	31
Unpaid family workers	394	350	38	40	247	222	91	72	18	16

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

[Percent distribution]

Occupation and race	Total		Males		Females	
	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976
TOTAL						
Total employed (thousands)	85,274	87,949	51,580	52,834	33,694	35,115
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	49.6	50.0	41.1	41.5	62.6	62.8
Professional and technical	15.1	15.5	14.5	15.0	16.0	16.4
Managers and administrators, except farm	10.8	10.8	14.1	14.3	5.6	5.7
Sales workers	6.3	6.3	6.1	5.9	6.7	6.8
Clerical workers	17.4	17.3	6.4	6.3	34.4	33.8
Blue-collar workers	33.2	33.1	45.5	45.5	14.3	14.4
Craft and kindred workers	12.9	13.0	20.3	20.6	1.4	1.5
Operatives, except transport	11.6	11.4	11.8	11.6	11.2	11.1
Transport equipment operatives	3.8	3.7	5.9	5.8	.6	.6
Nonfarm laborers	4.9	5.0	7.5	7.5	1.1	1.2
Service workers	13.5	13.6	8.2	8.6	21.6	21.3
Private household workers	1.3	1.3	(1)	.1	3.2	3.1
Other service workers	12.2	12.3	8.2	8.5	18.4	18.1
Farm workers	3.7	3.3	5.1	4.5	1.5	1.5
Farmers and farm managers	1.9	1.7	3.0	2.6	.3	.3
Farm laborers and supervisors	1.8	1.6	2.1	1.9	1.2	1.2
White						
Total employed (thousands)	76,144	78,452	46,557	47,645	29,587	30,807
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	51.4	51.8	42.7	43.1	65.3	65.3
Professional and technical	15.5	16.0	15.0	15.5	16.3	16.7
Managers and administrators, except farm	11.5	11.6	15.0	15.1	6.0	6.1
Sales workers	6.8	6.7	6.5	6.3	7.2	7.5
Clerical workers	17.7	17.5	6.2	6.2	35.8	35.0
Blue-collar workers	32.5	32.5	44.6	44.5	13.6	13.8
Craft and kindred workers	13.3	13.5	20.9	21.3	1.4	1.6
Operatives, except transport	11.1	10.8	11.4	11.1	10.6	10.4
Transport equipment operatives	3.6	3.6	5.5	5.5	.6	.6
Nonfarm laborers	4.5	4.5	6.7	6.6	1.0	1.1
Service workers	12.2	12.3	7.5	7.8	19.6	19.3
Private household workers . . . . .	.9	.9	(1)	.1	2.3	2.3
Other service workers	11.3	11.4	7.5	7.7	17.3	17.1
Farm workers	3.8	3.4	5.2	4.6	1.6	1.6
Farmers and farm managers	2.1	1.9	3.2	2.8	.4	.3
Farm laborers and supervisors	1.7	1.6	2.0	1.7	1.2	1.3
Black and other						
Total employed (thousands)	9,130	9,497	5,023	5,189	4,107	4,308
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	34.3	34.7	26.9	26.2	43.4	45.1
Professional and technical	11.8	11.9	10.0	9.8	14.0	14.4
Managers and administrators, except farm	4.6	4.7	6.3	6.2	2.6	2.8
Sales workers	2.6	2.5	2.3	2.7	2.8	2.4
Clerical workers	15.4	15.6	8.3	7.4	23.9	25.5
Blue-collar workers	38.4	38.4	53.9	54.4	19.4	19.0
Craft and kindred workers	8.9	8.2	15.0	14.2	1.5	1.0
Operatives, except transport	15.6	16.0	15.2	16.1	16.1	15.8
Transport equipment operatives	5.3	5.0	9.2	8.6	.5	.5
Nonfarm laborers	8.6	9.2	14.5	15.4	1.3	1.6
Service workers	24.4	24.7	14.9	15.8	36.0	35.3
Private household workers	4.5	4.4	.2	.2	9.8	9.4
Other service workers	19.9	20.3	14.7	15.6	26.2	25.9
Farm workers	2.9	2.2	4.3	3.6	1.2	.5
Farmers and farm managers . . . . .	.7	.4	1.2	.7	.1	(1)
Farm laborers and supervisors	2.2	1.9	3.1	3.0	1.1	.5

¹ Less than 0.05 percent.

HOUSEHOLD DATA

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

[In thousands]

Age and sex	September 1976								
	Nonegricultural 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	78,435	1,397	15,004	62,035	5,692	427	1,399	1,638	359
16 to 19 years	6,302	323	420	5,559	74	28	314	29	87
16 to 17 years	2,481	266	98	2,116	32	17	137	16	55
18 to 19 years	3,821	57	322	3,443	42	11	177	12	32
20 to 24 years	11,594	119	1,579	9,896	283	26	278	91	32
25 to 34 years	20,402	153	4,275	15,974	1,186	65	311	240	40
35 to 44 years	14,717	155	3,150	11,412	1,215	108	148	286	63
45 to 54 years	14,202	199	3,216	10,787	1,395	119	169	378	66
55 to 64 years	9,283	261	2,058	6,964	1,029	50	120	358	50
55 to 59 years	5,796	150	1,309	4,338	568	34	65	202	29
60 to 64 years	3,486	111	749	2,626	462	16	55	156	21
65 years and over	1,935	187	306	1,443	510	31	59	256	21
Males, 16 years and over	45,907	217	7,617	38,073	4,124	35	1,137	1,519	111
16 to 19 years	3,238	83	195	2,960	45	17	265	26	72
16 to 17 years	1,277	69	53	1,156	17	10	119	14	42
18 to 19 years	1,960	14	142	1,804	29	7	147	12	29
20 to 24 years	6,271	18	610	5,643	186	10	234	85	21
25 to 34 years	12,444	21	2,194	10,229	829	2	247	221	8
35 to 44 years	8,805	16	1,613	7,176	883	1	112	260	2
45 to 54 years	8,434	21	1,670	6,744	1,039	1	127	356	2
55 to 64 years	5,604	22	1,153	4,429	751	--	106	334	2
55 to 59 years	3,445	9	719	2,718	417	--	56	194	--
60 to 64 years	2,158	13	434	1,711	334	1	50	141	1
65 years and over	1,111	37	182	892	390	4	46	238	6
Females, 16 years and over	32,528	1,179	7,387	23,962	1,568	391	262	118	248
16 to 19 years	3,065	240	225	2,599	28	11	49	3	16
16 to 17 years	1,203	197	45	961	15	7	18	3	13
18 to 19 years	1,861	43	180	1,638	14	4	31	1	3
20 to 24 years	5,323	101	969	4,253	96	16	44	6	11
25 to 34 years	7,958	132	2,080	5,745	357	63	64	19	32
35 to 44 years	5,912	139	1,537	4,236	333	108	37	26	61
45 to 54 years	5,768	178	1,546	4,043	355	118	42	22	64
55 to 64 years	3,679	240	905	2,535	278	49	14	24	49
55 to 59 years	2,351	141	590	1,620	151	34	9	8	29
60 to 64 years	1,328	98	315	915	127	15	5	16	20
65 years and over	824	149	124	551	120	27	12	18	15

A-24. Employed persons by industry and occupation

[In thousands]

Industry	September 1976											
	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	3,396	70	35	11	55	61	3	34	218	--	9	2,900
Mining	791	109	55	2	60	258	234	52	11	--	10	--
Construction	5,417	196	640	7	385	2,988	215	170	789	--	28	--
Manufacturing	20,008	2,070	1,346	448	2,420	3,733	7,722	757	1,110	--	402	--
Durable goods	12,027	1,378	779	148	1,400	2,500	4,539	373	682	--	226	--
Nondurable goods	7,982	692	567	300	1,020	1,234	3,182	383	428	--	176	--
Transportation and public utilities	5,637	448	548	51	1,255	1,253	137	1,344	424	--	177	--
Wholesale and retail trade	18,223	378	3,548	3,831	3,118	1,477	957	712	1,056	--	3,145	--
Wholesale trade	3,622	153	742	818	718	321	200	390	247	--	34	--
Retail trade	14,601	225	2,806	3,013	2,400	1,156	757	322	809	--	3,111	--
Finance, insurance, and real estate	4,746	250	969	1,029	2,104	87	3	5	55	--	244	--
Services	25,138	9,296	1,776	143	4,192	1,255	704	180	557	1,142	5,893	--
Private households	1,415	7	2	--	6	9	1	2	169	1,142	77	--
Other service industries	23,723	9,289	1,774	143	4,186	1,246	703	178	388	--	5,816	--
Public administration	4,592	855	615	2	1,634	292	44	41	161	--	948	--

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

(In thousands)

Reason not working	All Industries		Nonagricultural industries					
			Total		Wage and salary workers ¹			
					Paid absences ²		Unpaid absences ²	
	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976	Sept. 1975	Sept. 1976
Total	4,516	4,260	4,379	4,163	2,184	2,056	1,743	1,727
Vacation	2,214	2,007	2,178	1,984	1,574	1,463	459	398
Illness	1,294	1,296	1,260	1,258	495	477	651	691
Bad weather	53	38	28	28	--	--	--	--
Industrial dispute	188	187	188	187	--	--	--	--
All other reasons	765	733	725	707	115	116	633	638
Males	2,549	2,431	2,438	2,359	1,337	1,359	819	787
Vacation	1,295	1,201	1,264	1,185	934	1,002	223	121
Illness	782	744	749	713	329	281	351	378
All other reasons ³	472	486	425	461	75	75	244	289
Females	1,966	1,830	1,942	1,804	846	697	924	939
Vacation	920	806	914	799	640	460	235	277
Illness	512	551	510	545	166	196	300	313
All other reasons ³	534	473	518	460	40	41	389	350

¹Excludes private household.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.**A-26. Persons at work by type of industry and hours of work**

Hours of work	September 1976					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total at work	83,688	80,390	3,299	100.0	100.0	100.0
1-34 hours	18,896	17,951	947	22.6	22.3	28.7
1-4 hours	770	730	41	.9	.9	1.2
5-14 hours	3,802	3,556	246	4.5	4.4	7.5
15-28 hours	9,449	8,961	489	11.3	11.1	14.8
30-34 hours	4,875	4,704	171	5.8	5.9	5.2
35 hours and over	64,792	62,440	2,352	77.4	77.7	71.3
35-39 hours	5,637	5,533	104	6.7	6.9	3.2
40 hours	35,917	35,439	478	42.9	44.1	14.5
41 hours and over	23,238	21,468	1,770	27.8	26.7	53.7
41 to 48 hours	9,171	8,880	291	11.0	11.0	8.8
49 to 59 hours	7,876	7,411	466	9.4	9.2	14.1
60 hours and over	6,191	5,177	1,013	7.4	6.4	30.7
Average hours, total at work	39.2	38.9	45.9	--	--	--
Average hours, workers on full-time schedules	43.6	43.2	54.7	--	--	--

HOUSEHOLD DATA

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

[Numbers in thousands]

Reason for working less than 35 hours	September 1976					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total	18,896	5,150	13,746	17,950	4,877	13,073
Economic reasons	3,314	1,397	1,917	3,083	1,277	1,806
Slack work	1,563	1,003	560	1,401	894	507
Material shortages or repairs to plant and equipment	42	42	--	41	41	--
New job started during week	241	241	--	240	240	--
Job terminated during week	110	110	--	103	103	--
Could find only part-time work	1,357	--	1,357	1,299	--	1,299
Other reasons	15,583	3,754	11,829	14,867	3,600	11,267
Does not want, or unavailable for, full-time work	9,825	--	9,825	9,381	--	9,381
Vacation	742	742	--	725	725	--
Illness	1,502	1,326	176	1,440	1,293	147
Bad weather	337	337	--	266	266	--
Industrial dispute	112	112	--	112	112	--
Legal or religious holiday	65	65	--	63	63	--
Full time for this job	1,332	--	1,332	1,296	--	1,296
All other reasons	1,667	1,172	495	1,583	1,140	443
Average hours:						
Economic reasons	21.4	24.0	19.5	21.6	24.2	19.7
Other reasons	20.3	26.1	18.5	20.4	26.2	18.6
Worked 30 to 34 hours:						
Economic reasons	977	598	379	927	558	369
Other reasons	3,898	1,925	1,973	3,777	1,881	1,896

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

[Numbers in thousands]

Industry	September 1976								
	Total at work	Full- or part-time status						Average hours, total at work	Average hours, workers on full-time schedules
		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 ¹	80,390	3,083	11,267	66,040	44,572	8,880	12,588	38.9	43.2
Wage and salary workers	74,602	2,795	10,208	61,599	42,705	8,309	10,585	38.6	42.7
Construction	4,296	328	218	3,750	2,737	373	640	39.3	41.9
Manufacturing	18,652	530	632	17,490	12,246	2,690	2,554	41.0	42.3
Durable goods	11,171	206	242	10,723	7,527	1,664	1,532	41.5	42.3
Nondurable goods	7,482	324	390	6,768	4,719	1,027	1,022	40.3	42.2
Transportation and public utilities	5,119	137	312	4,670	3,283	551	836	41.2	43.2
Wholesale and retail trade	15,578	793	3,908	10,877	6,692	1,980	2,205	36.4	43.5
Finance, insurance, and real estate	4,165	65	443	3,657	2,691	381	585	39.4	42.2
Service industries	21,737	890	4,428	16,419	11,552	1,828	3,039	36.8	43.1
Private households	1,347	216	733	398	255	45	98	23.0	46.0
All other industries	20,390	674	3,695	16,021	11,297	1,783	2,941	37.7	42.9
Public administration	4,332	43	256	4,033	3,091	405	537	40.4	42.0
Self-employed workers	5,361	275	874	4,212	1,737	550	1,925	42.8	49.7
Unpaid family workers	427	13	185	229	130	21	78	35.6	47.1

¹Includes mining not shown separately.

HOUSEHOLD DATA

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

(Numbers in thousands)

Sex, age, race, and marital status	September 1976							
	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	80,390	3,083	11,267	66,040	44,572	21,468	38.9	43.2
16 to 21 years	10,624	793	3,945	5,886	4,542	1,344	30.5	40.9
16 to 19 years	6,254	504	3,149	2,601	2,058	543	26.7	40.4
16 to 17 years	2,486	133	1,994	359	304	55	18.9	38.0
18 to 19 years	3,768	370	1,155	2,243	1,754	489	31.9	40.8
20 years and over	74,136	2,579	8,118	63,439	42,514	20,925	39.9	43.3
20 to 24 years	11,463	647	1,547	9,269	6,735	2,534	37.9	42.0
25 years and over	62,673	1,932	6,571	54,170	35,779	18,391	40.3	43.5
25 to 44 years	35,925	1,098	3,178	31,649	20,413	11,236	40.9	43.7
45 to 64 years	24,447	756	2,305	21,386	14,588	6,798	40.5	43.3
65 years and over	2,302	78	1,089	1,135	777	358	29.6	43.1
Males, 16 years and over	47,708	1,494	3,522	42,692	25,902	16,790	41.9	44.5
16 to 21 years	5,565	375	1,852	3,338	2,359	979	32.3	42.0
16 to 19 years	3,230	228	1,530	1,472	1,087	385	28.2	41.4
16 to 17 years	1,279	59	999	221	177	44	20.3	38.8
18 to 19 years	1,951	169	531	1,251	908	343	33.5	41.9
20 years and over	44,478	1,266	1,992	41,220	24,814	16,406	42.8	44.6
20 to 24 years	6,258	327	647	5,284	3,456	1,828	39.8	43.3
25 years and over	38,220	939	1,345	35,936	21,358	14,578	43.3	44.8
25 to 44 years	21,990	553	373	21,064	12,082	8,982	44.1	45.0
45 to 64 years	14,825	337	391	14,097	8,758	5,339	43.4	44.6
65 years and over	1,404	49	581	774	518	256	31.1	43.1
Females, 16 years and over	32,682	1,589	7,745	23,348	18,671	4,677	34.6	40.8
16 to 21 years	5,060	417	2,093	2,550	2,184	366	28.6	39.5
16 to 19 years	3,024	276	1,619	1,129	971	158	25.1	39.1
16 to 17 years	1,207	74	995	138	124	14	17.5	36.8
18 to 19 years	1,817	201	623	993	848	145	30.2	39.4
20 years and over	29,658	1,314	6,126	22,218	17,699	4,519	35.6	40.8
20 to 24 years	5,205	319	900	3,986	3,281	705	35.6	40.3
25 years and over	24,453	995	5,226	18,232	14,418	3,814	35.6	40.9
25 to 44 years	13,935	545	2,805	10,585	8,334	2,251	35.9	40.9
45 to 64 years	9,620	420	1,914	7,286	5,826	1,460	36.0	40.8
65 years and over	898	29	507	362	259	103	27.2	43.3
RACE								
White	71,696	2,437	10,389	58,870	38,722	20,148	39.1	43.4
Males	43,028	1,181	3,226	38,621	22,774	15,847	42.1	44.8
Females	28,669	1,256	7,163	20,250	15,948	4,302	34.5	40.9
Black and other	8,693	647	878	7,168	5,847	1,321	37.6	41.3
Males	4,680	313	295	4,072	3,127	945	39.4	42.3
Females	4,014	333	582	3,099	2,724	375	35.4	40.0
MARITAL STATUS								
Males:								
Married, spouse present	34,897	758	1,102	33,037	19,386	13,651	43.6	44.9
Widowed, divorced, or separated	3,245	167	194	2,884	1,764	1,120	41.6	44.3
Single (never married)	9,566	569	2,226	6,771	4,751	2,020	35.5	42.7
Females:								
Married, spouse present	19,028	786	4,570	13,672	11,004	2,668	34.8	40.7
Widowed, divorced, or separated	5,955	343	957	4,655	3,642	1,013	36.5	41.0
Single (never married)	7,699	460	2,217	5,022	4,027	995	32.7	40.7

HOUSEHOLD DATA

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

[Numbers in thousands]

Occupational group and sex	September 1976								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
TOTAL									
White-collar workers	41,933	873	5,732	35,328	23,055	4,508	7,765	39.9	43.7
Professional and technical	13,083	215	1,346	11,522	7,380	1,498	2,644	40.9	43.9
Managers and administrators, except farm	9,121	87	395	8,639	3,895	1,304	3,440	46.4	47.9
Sales workers	5,247	191	1,356	3,700	2,145	568	987	36.9	44.4
Clerical workers	14,482	380	2,635	11,467	9,635	1,138	694	36.0	40.2
Blue-collar workers	27,494	1,472	1,909	24,113	16,470	3,586	4,057	39.9	42.7
Craft and kindred workers	10,787	437	370	9,980	6,597	1,490	1,893	41.5	43.2
Operatives, except transport	9,444	524	558	8,362	6,125	1,262	975	39.5	41.6
Transport equipment operatives	3,094	155	273	2,666	1,421	434	811	42.4	46.0
Nonfarm laborers	4,169	354	708	3,107	2,330	399	378	35.3	41.3
Service workers	11,444	776	3,719	6,949	5,219	832	898	32.8	42.2
Private household	1,098	166	607	325	217	35	73	22.9	44.6
Other service workers	10,346	610	3,112	6,624	5,002	797	825	33.8	42.1
Males									
White-collar workers	21,027	254	1,245	19,528	10,493	2,837	6,198	44.2	46.1
Professional and technical	7,626	81	429	7,116	4,219	910	1,987	43.4	45.2
Managers and administrators, except farm	7,228	73	185	6,970	2,904	1,071	2,995	47.7	48.6
Sales workers	3,016	45	354	2,617	1,300	442	875	42.5	46.1
Clerical workers	3,157	56	277	2,824	2,068	414	342	39.5	41.9
Blue-collar workers	22,724	1,065	1,385	20,274	13,390	3,092	3,792	40.6	43.2
Craft and kindred workers	10,283	405	292	9,586	6,309	1,426	1,851	41.7	43.2
Operatives, except transport	5,775	209	287	5,279	3,594	896	789	40.8	42.6
Transport equipment operatives	2,888	133	178	2,577	1,352	430	795	43.4	46.2
Nonfarm laborers	3,779	317	627	2,835	2,136	340	359	35.3	41.3
Service workers	4,342	204	954	3,184	2,158	450	576	36.9	43.7
Private household	36	7	15	14	4	1	9	28.0	48.3
Other service workers	4,305	198	938	3,169	2,153	449	567	37.0	43.7
Females									
White-collar workers	20,906	619	4,488	15,799	12,562	1,671	1,566	35.6	40.8
Professional and technical	5,457	135	917	4,405	3,161	588	656	37.3	41.9
Managers and administrators, except farm	1,893	15	210	1,668	990	233	445	41.8	44.7
Sales workers	2,231	146	1,002	1,083	844	126	113	29.3	40.4
Clerical workers	11,325	325	2,358	8,642	7,565	724	353	35.0	39.6
Blue-collar workers	4,770	406	524	3,840	3,081	494	265	36.7	40.3
Craft and kindred workers	504	31	77	396	291	64	41	37.0	41.5
Operatives, except transport	3,670	315	271	3,084	2,531	366	187	37.3	40.0
Transport equipment operatives	206	22	95	89	69	4	16	27.8	41.0
Nonfarm laborers	391	38	81	272	192	59	21	34.8	41.2
Service workers	7,103	572	2,765	3,766	3,062	382	322	30.3	41.0
Private household	1,062	159	592	311	213	34	64	22.7	44.4
Other service workers	6,041	412	2,174	3,455	2,850	348	257	31.6	40.6

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

[Numbers in thousands]

Employment status	September 1976								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	8,416	4,283	4,132	7,098	3,622	3,476	1,318	662	656
Civilian labor force	1,385	782	603	1,338	749	589	47	33	14
Employed	1,245	691	555	1,220	672	548	28	21	6
Agriculture	163	133	31	166	136	30	--	--	--
Nonagricultural industries	1,082	558	524	1,054	537	515	28	21	6
Unemployed	140	91	49	118	77	41	22	15	7
Unemployment rate	10.1	11.6	8.1	8.8	10.3	7.0	(1)	(1)	(1)
Not in labor force	7,031	3,502	3,529	5,760	2,873	2,887	1,271	629	642
Keeping house	49	8	40	43	6	37	5	2	3
Going to school	6,861	3,440	3,422	5,633	2,827	2,806	1,229	613	616
Unable to work	10	2	8	10	2	8	--	--	--
All other reasons	110	51	59	74	38	36	37	13	23

¹ Percent not shown where base is less than 75,000.**A-32. Employed 14-15 year-olds by sex, class of worker, and occupation**

Characteristics	September 1976					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	1,245	691	555	100.0	100.0	100.0
Nonagricultural industries	1,082	558	524	87.0	80.8	94.4
Wage and salary workers	1,007	496	510	80.9	71.9	91.9
Private household workers	441	113	329	35.5	16.4	59.3
Government workers	15	13	2	1.2	1.9	.4
Other wage and salary workers	550	371	179	44.2	53.7	32.3
Self-employed workers	61	55	6	4.9	8.0	1.1
Unpaid family workers	14	6	8	1.1	.9	1.4
Agriculture	163	133	31	13.1	19.2	5.6
Wage and salary workers	88	66	23	7.1	9.6	4.1
Self-employed workers	14	13	1	1.1	1.9	.2
Unpaid family workers	61	54	7	4.9	7.8	1.3
OCCUPATION						
Total	1,245	691	555	100.0	100.0	100.0
White-collar workers	306	199	107	24.6	28.8	19.2
Professional and technical	22	7	15	1.8	1.0	2.7
Managers and administrators, except farm	1	--	2	.1	--	.4
Sales workers	231	179	52	18.6	25.9	9.4
Clerical workers	52	13	38	4.2	1.9	6.8
Blue-collar workers	255	242	13	20.4	34.5	3.1
Craft and kindred workers	13	13	--	1.0	1.9	--
Operatives, except transport	44	39	6	3.5	5.6	1.1
Transport equipment operatives	1	2	--	.1	.3	--
Nonfarm laborers	196	185	11	15.7	26.7	2.0
Service workers	543	136	407	43.6	19.5	73.2
Private household workers	336	14	322	27.0	2.0	57.9
Other service workers	207	121	85	16.6	17.5	15.3
Farm workers	141	114	27	11.4	16.6	5.0
Farmers and farm managers	2	3	--	.2	.4	--
Farm laborers and supervisors	140	112	28	11.2	16.2	5.0

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

[Numbers in thousands]

Employment status	1975				1976								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total noninstitutional population¹	154,052	154,256	154,476	154,700	154,915	155,106	155,325	155,516	155,711	155,925	156,142	156,367	156,595
Total labor force	95,298	95,377	95,272	95,286	95,624	95,601	95,866	96,583	96,699	96,780	97,473	97,634	97,348
Percent of total population.....	61.9	61.8	61.7	61.6	61.7	61.6	61.7	62.1	62.1	62.1	62.4	62.4	62.2
Civilian noninstitutional population¹	151,882	152,092	152,320	152,543	152,775	152,960	153,178	153,371	153,570	153,788	154,002	154,220	154,451
Civilian labor force	93,128	93,213	93,117	93,129	93,484	93,455	93,719	94,439	94,557	94,643	95,333	95,487	95,203
Percent of civilian population.....	61.3	61.3	61.1	61.1	61.2	61.1	61.2	61.6	61.6	61.5	61.9	61.9	61.6
Employed	85,158	85,151	85,178	85,394	86,194	86,319	86,692	87,399	87,697	87,500	87,907	87,981	87,819
Percent of civilian population.....	56.1	56.0	55.9	56.0	56.4	56.4	56.6	57.0	57.1	56.9	57.1	57.0	56.9
Agriculture	3,512	3,408	3,301	3,236	3,343	3,170	3,179	3,417	3,329	3,294	3,341	3,424	3,286
Nonagricultural industries	81,646	81,743	81,877	82,158	82,851	83,149	83,513	83,982	84,368	84,206	84,566	84,557	84,533
Unemployed	7,970	8,062	7,939	7,735	7,290	7,136	7,027	7,040	6,860	7,143	7,426	7,506	7,384
Unemployment rate.....	8.6	8.6	8.5	8.3	7.8	7.6	7.5	7.5	7.3	7.5	7.8	7.9	7.8
Not in labor force	58,754	58,879	59,203	59,414	59,291	59,505	59,459	58,932	59,013	59,145	58,669	58,733	59,248
Males, 20 years and over													
Total noninstitutional population¹	65,353	65,444	65,542	65,643	65,739	65,821	65,920	66,002	66,087	66,182	66,279	66,384	66,491
Total labor force	52,931	52,944	52,888	52,651	52,576	52,603	52,623	53,010	53,144	53,144	52,387	53,436	53,563
Percent of total population.....	80.0	80.9	80.7	80.2	80.0	80.0	79.8	80.3	80.4	80.3	80.5	80.5	80.6
Civilian noninstitutional population¹	63,629	63,725	63,830	63,929	64,055	64,133	64,230	64,311	64,398	64,492	64,586	64,688	64,796
Civilian labor force	51,208	51,225	51,176	50,937	50,892	50,914	50,934	51,319	51,455	51,454	51,694	51,740	51,869
Percent of civilian population.....	80.5	80.4	80.2	79.7	79.5	79.4	79.3	79.8	79.9	79.8	80.0	80.0	80.0
Employed	47,516	47,513	47,521	47,586	47,916	47,997	48,081	48,524	48,596	48,391	48,535	48,682	48,721
Agriculture.....	2,473	2,430	2,386	2,316	2,351	2,305	2,301	2,405	2,427	2,449	2,415	2,415	2,326
Nonagricultural industries.....	45,043	45,083	45,135	45,270	45,565	45,692	45,780	46,119	46,169	45,961	46,086	46,267	46,395
Unemployed	3,692	3,712	3,655	3,351	2,976	2,917	2,853	2,795	2,859	3,063	3,159	3,058	3,148
Unemployment rate.....	7.2	7.2	7.1	6.6	5.8	5.7	5.6	5.4	5.6	6.0	6.1	5.9	6.1
Not in labor force	12,421	12,500	12,654	12,992	13,163	13,219	13,296	12,992	12,943	13,038	12,892	12,948	12,927
Females, 20 years and over													
Civilian noninstitutional population¹	71,926	72,029	72,139	72,251	72,354	72,452	72,561	72,653	72,753	72,857	72,966	73,078	73,196
Civilian labor force	33,121	33,236	33,256	33,415	33,683	33,687	33,865	34,019	33,972	34,290	34,583	34,639	34,505
Percent of population.....	46.0	46.1	46.1	46.2	46.6	46.5	46.7	46.8	46.7	47.1	47.4	47.4	47.1
Employed	30,551	30,621	30,619	30,755	31,140	31,165	31,398	31,523	31,664	31,845	31,958	31,988	31,907
Agriculture.....	536	534	491	483	545	420	442	540	473	479	488	546	524
Nonagricultural industries.....	30,015	30,087	30,128	30,272	30,595	30,745	30,956	30,983	31,191	31,366	31,470	31,442	31,383
Unemployed	2,570	2,615	2,637	2,660	2,543	2,522	2,467	2,496	2,308	2,445	2,625	2,651	2,598
Unemployment rate.....	7.8	7.9	7.9	8.0	7.5	7.5	7.3	7.3	6.8	7.1	7.6	7.7	7.5
Not in labor force	38,805	38,793	38,883	38,836	38,671	38,765	38,696	38,634	38,781	38,567	38,383	38,439	38,691
Both sexes, 16-19 years													
Civilian noninstitutional population¹	16,327	16,338	16,352	16,363	16,366	16,376	16,387	16,407	16,419	16,439	16,450	16,454	16,458
Civilian labor force	8,799	8,752	8,685	8,777	8,909	8,854	8,920	9,101	9,130	8,899	9,056	9,108	8,829
Percent of population.....	53.9	53.6	53.1	53.6	54.4	54.1	54.4	55.5	55.6	54.1	55.1	55.4	53.6
Employed	7,091	7,017	7,038	7,053	7,138	7,157	7,213	7,352	7,437	7,264	7,414	7,311	7,191
Agriculture.....	503	444	424	437	447	445	436	472	429	385	404	463	436
Nonagricultural industries.....	6,588	6,573	6,614	6,616	6,691	6,712	6,777	6,880	7,008	6,879	7,010	6,848	6,755
Unemployed	1,708	1,735	1,647	1,724	1,771	1,697	1,707	1,749	1,693	1,635	1,642	1,797	1,638
Unemployment rate.....	19.4	19.8	19.0	19.6	19.9	19.2	19.1	19.2	18.5	18.4	18.1	19.7	18.6
Not in labor force	7,528	7,586	7,667	7,586	7,457	7,522	7,467	7,306	7,289	7,540	7,394	7,346	7,629

¹ Because seasonality, by definition, does not exist in population figures, these figures are not seasonally adjusted.

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.

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

[Numbers in thousands]

Full- and part-time employment status	1975				1976								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
FULL-TIME													
Total, 16 years and over:													
Civilian labor force	79,593	79,790	79,738	79,824	79,801	79,900	80,283	80,633	80,750	80,499	81,083	81,186	80,959
Employed.....	72,899	73,032	73,112	73,500	73,962	74,222	74,646	75,024	75,299	74,663	75,181	75,127	74,870
Unemployed.....	6,694	6,758	6,626	6,324	5,839	5,678	5,637	5,609	5,451	5,836	5,902	6,059	6,089
Unemployment rate.....	8.4	8.5	8.3	7.9	7.3	7.1	7.0	7.0	6.8	7.2	7.3	7.5	7.5
PART-TIME													
Total, 16 years and over:													
Civilian labor force	13,743	13,534	13,411	13,295	13,760	13,657	13,480	13,911	13,651	14,150	14,305	14,511	14,466
Employed.....	12,389	12,127	12,049	11,893	12,317	12,231	12,098	12,425	12,263	12,875	12,768	13,074	13,116
Unemployed.....	1,354	1,407	1,362	1,402	1,442	1,426	1,382	1,486	1,388	1,275	1,537	1,437	1,350
Unemployment rate.....	9.9	10.4	10.2	10.5	10.5	10.4	10.3	10.7	10.2	9.0	10.7	9.9	9.3

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[Numbers in thousands]

Characteristics	1975				1976								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
WHITE													
Total, 16 years and over:													
Civilian labor force	82,478	82,725	82,517	82,474	82,738	82,715	82,961	83,451	83,642	83,805	84,359	84,503	84,371
Employed	76,041	76,077	76,059	76,223	76,839	77,101	77,282	77,867	78,087	78,120	78,341	78,468	78,365
Unemployed	6,437	6,648	6,458	6,251	5,899	5,614	5,679	5,584	5,555	5,685	6,018	6,035	6,006
Unemployment rate	7.8	8.0	7.8	7.6	7.1	6.8	6.8	6.7	6.6	6.8	7.1	7.1	7.1
Males, 20 years and over:													
Civilian labor force	45,888	46,025	45,878	45,631	45,620	45,659	45,726	45,954	46,098	46,140	46,320	46,381	46,551
Employed	42,840	42,920	42,905	42,954	43,229	43,363	43,399	43,685	43,730	43,658	43,698	43,842	43,897
Unemployed	3,048	3,105	2,973	2,677	2,391	2,296	2,327	2,269	2,368	2,482	2,622	2,539	2,654
Unemployment rate	6.6	6.7	6.5	5.9	5.2	5.0	5.1	4.9	5.1	5.4	5.7	5.5	5.7
Females, 20 years and over:													
Civilian labor force	28,703	28,886	28,882	29,012	29,137	29,137	29,276	29,379	29,403	29,673	29,874	29,985	29,857
Employed	26,703	26,726	26,724	26,830	27,086	27,177	27,291	27,410	27,542	27,754	27,805	27,900	27,821
Unemployed	2,000	2,160	2,158	2,182	2,051	1,960	1,985	1,969	1,861	1,919	2,069	2,085	2,036
Unemployment rate	7.0	7.5	7.5	7.5	7.0	6.7	6.8	6.7	6.3	6.5	6.9	7.0	6.8
Both sexes, 16 to 19 years:													
Civilian labor force	7,887	7,814	7,757	7,831	7,981	7,919	7,959	8,118	8,141	7,992	8,165	8,137	7,963
Employed	6,498	6,431	6,430	6,439	6,524	6,561	6,592	6,772	6,815	6,708	6,838	6,726	6,647
Unemployed	1,389	1,383	1,327	1,392	1,457	1,358	1,367	1,346	1,326	1,284	1,327	1,411	1,316
Unemployment rate	17.6	17.7	17.1	17.8	18.3	17.1	17.2	16.6	16.3	16.1	16.3	17.3	16.5
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	10,728	10,668	10,684	10,653	10,731	10,795	10,748	10,901	10,838	10,826	10,867	11,003	10,930
Employed	9,180	9,147	9,197	9,188	9,314	9,315	9,407	9,489	9,511	9,382	9,466	9,505	9,538
Unemployed	1,548	1,521	1,487	1,465	1,417	1,480	1,341	1,412	1,327	1,444	1,401	1,498	1,392
Unemployment rate	14.4	14.3	13.9	13.8	13.2	13.7	12.5	13.0	12.2	13.3	12.9	13.6	12.7
Males, 20 years and over:													
Civilian labor force	5,360	5,294	5,338	5,285	5,245	5,276	5,182	5,319	5,348	5,367	5,348	5,377	5,393
Employed	4,692	4,650	4,653	4,633	4,657	4,686	4,649	4,788	4,854	4,792	4,795	4,842	4,874
Unemployed	668	644	685	652	588	590	533	531	494	575	553	535	519
Unemployment rate	12.5	12.2	12.8	12.3	11.2	11.2	10.3	10.0	9.2	10.7	10.3	9.9	9.6
Females, 20 years and over:													
Civilian labor force	4,420	4,422	4,421	4,419	4,527	4,581	4,610	4,626	4,553	4,591	4,611	4,649	4,645
Employed	3,881	3,894	3,936	3,940	4,030	4,021	4,145	4,120	4,081	4,072	4,073	4,079	4,115
Unemployed	539	528	485	479	497	560	465	506	472	519	538	570	530
Unemployment rate	12.2	11.9	11.0	10.8	11.0	12.2	10.1	10.9	10.4	11.3	11.7	12.3	11.4
Both sexes, 16 to 19 years:													
Civilian labor force	948	952	925	949	959	938	956	956	937	868	908	977	892
Employed	607	603	608	615	627	608	613	581	576	518	598	584	549
Unemployed	341	349	317	334	332	330	343	375	361	350	310	393	343
Unemployment rate	36.0	36.7	34.3	35.2	34.6	35.2	35.9	39.2	38.5	40.3	34.1	40.2	38.5

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Selected categories	1975				1976								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Characteristics													
Total (all civilian workers)	8.6	8.6	8.5	8.3	7.8	7.6	7.5	7.5	7.3	7.5	7.8	7.9	7.8
Males, 20 years and over	7.2	7.2	7.1	6.6	5.8	5.7	5.6	5.4	5.6	6.0	6.1	5.9	6.1
Females, 20 years and over	7.8	7.9	7.9	8.0	7.5	7.5	7.3	7.3	6.8	7.1	7.6	7.7	7.5
Both sexes, 16-19 years	19.4	19.8	19.0	19.6	19.9	19.2	19.1	19.2	18.5	18.4	18.1	19.7	18.6
White	7.8	8.0	7.8	7.6	7.1	6.8	6.8	6.7	6.6	6.8	7.1	7.1	7.1
Black and other	14.4	14.3	13.9	13.8	13.2	13.7	12.5	13.0	12.2	13.3	12.9	13.6	12.7
Household heads	6.0	6.0	5.8	5.7	5.1	4.9	5.0	4.8	4.8	5.1	5.4	5.2	5.4
Married men	5.5	5.3	5.1	4.8	4.1	4.1	4.1	3.9	4.0	4.4	4.5	4.2	4.6
Full-time workers	8.4	8.5	8.3	7.9	7.3	7.1	7.0	7.0	6.8	7.4	7.3	7.5	7.5
Part-time workers	9.9	10.4	10.2	10.5	10.5	10.4	10.3	10.7	10.2	9.0	10.7	9.9	9.3
Unemployed 15 weeks and over ¹	3.2	2.9	3.2	3.3	3.0	2.7	2.4	2.2	2.1	2.3	2.4	2.5	2.4
Labor force time lost ²	9.1	9.4	9.3	8.9	8.4	8.1	8.2	8.2	8.1	7.7	7.9	8.2	8.4
OCCUPATION													
White-collar workers	4.8	4.8	4.8	4.8	4.7	4.6	4.6	4.8	4.6	4.4	4.8	5.0	4.5
Professional and technical	3.2	3.2	3.7	3.1	3.0	3.6	3.5	3.4	3.2	2.9	3.1	3.1	3.0
Managers and administrators, except farm	3.4	2.9	2.9	3.0	2.9	2.9	2.9	2.8	3.2	3.1	3.5	3.5	3.2
Sales workers	5.8	6.0	6.3	6.3	6.4	5.2	5.0	4.9	4.8	5.1	5.4	5.9	5.4
Clerical workers	6.5	6.7	6.4	6.6	6.4	6.1	6.3	7.0	6.4	6.1	6.7	7.0	6.2
Blue-collar workers	11.9	11.6	11.3	10.7	9.4	9.3	9.1	9.0	9.0	9.3	9.6	9.8	9.8
Craft and kindred workers	8.8	8.7	8.3	7.2	6.6	6.7	6.7	7.0	6.2	7.3	7.4	7.0	7.0
Operatives	13.2	12.5	12.4	12.2	10.2	9.8	9.8	9.3	9.5	9.8	10.1	10.3	10.5
Nonfarm laborers	15.7	16.4	15.5	14.9	14.1	14.1	12.9	13.2	14.0	12.7	13.2	14.8	14.5
Service workers	8.8	9.1	8.7	9.2	9.3	8.9	8.6	8.1	8.1	8.6	8.5	8.5	8.6
Farm workers	3.5	3.7	3.8	4.5	3.9	3.9	5.0	4.8	5.0	4.1	4.5	3.5	3.7
INDUSTRY													
Nonagricultural private wage and salary workers ³	9.2	9.2	9.2	8.9	8.1	8.0	7.7	7.6	7.6	7.8	8.0	8.2	8.0
Construction	18.7	18.1	17.5	16.6	15.4	15.5	16.0	15.3	14.1	17.0	17.7	17.1	15.8
Manufacturing	10.8	10.6	10.5	9.6	8.1	8.0	7.3	7.6	7.3	7.6	7.8	8.2	8.0
Durable goods	11.5	11.1	10.8	9.9	8.2	8.0	7.4	7.7	7.4	7.5	7.3	7.7	7.4
Nondurable goods	9.9	9.7	10.0	9.2	8.0	8.1	7.1	7.6	7.3	7.7	8.4	8.9	8.9
Transportation and public utilities	5.8	5.6	4.9	5.1	4.9	4.7	4.5	4.1	5.3	5.2	5.2	4.7	5.4
Wholesale and retail trade	8.9	9.1	9.4	9.4	8.7	8.4	8.7	8.3	8.1	8.2	8.5	9.0	8.8
Finance and service industries	6.5	7.0	7.0	7.0	7.0	6.8	6.1	6.2	6.4	6.3	6.4	6.5	6.3
Government workers	4.1	4.3	4.0	4.4	4.2	4.4	4.5	5.0	4.8	4.2	4.5	4.4	3.8
Agricultural wage and salary workers	10.6	10.7	10.2	12.4	10.8	10.6	11.8	11.6	13.1	10.9	12.4	10.0	10.6

¹ Unemployment as a percent of civilian labor force.

² 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	1975				1976								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Duration													
Less than 5 weeks	2,820	3,015	2,641	2,648	2,706	2,686	2,609	2,979	2,855	2,618	2,951	2,829	2,828
5 to 14 weeks	2,444	2,446	2,469	2,244	2,091	1,856	1,905	1,883	1,947	2,261	2,028	2,427	2,453
15 weeks and over	2,934	2,719	3,004	3,080	2,785	2,515	2,294	2,035	1,998	2,215	2,317	2,387	2,314
15 to 26 weeks	1,352	1,238	1,286	1,413	1,155	957	903	669	830	914	1,116	1,143	1,123
27 weeks and over	1,582	1,481	1,718	1,667	1,630	1,558	1,391	1,366	1,168	1,301	1,201	1,244	1,191
Average (mean) duration, in weeks	16.2	15.6	16.9	17.0	16.9	16.2	15.8	15.7	15.0	16.9	15.8	15.5	15.4
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	34.4	36.9	32.5	33.2	35.7	38.1	38.3	43.2	42.0	36.9	40.4	37.0	37.2
5 to 14 weeks	29.8	29.9	30.4	28.1	27.6	26.3	28.0	27.3	28.6	31.9	27.8	31.8	32.3
15 weeks and over	35.8	33.2	37.0	38.6	36.7	35.6	33.7	29.5	29.4	31.2	31.8	31.2	30.5
15 to 26 weeks	16.5	15.1	15.8	17.7	15.2	13.6	13.3	9.7	12.2	12.9	15.3	15.0	14.8
27 weeks and over	19.3	18.1	21.2	20.9	21.5	22.1	20.4	19.8	17.2	18.3	16.5	16.3	15.7

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

Sex and age	1975				1976								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total, 16 years and over	8.6	8.6	8.5	8.3	7.8	7.6	7.5	7.5	7.3	7.5	7.8	7.9	7.8
16 to 19 years	19.4	19.8	19.0	19.6	19.9	19.2	19.1	19.2	18.5	18.4	18.1	19.7	18.6
16 to 17 years	22.0	21.9	20.1	20.6	21.2	21.4	20.0	20.8	21.9	21.5	20.8	22.5	20.5
18 to 19 years	18.2	18.2	18.1	18.9	19.0	17.5	18.6	18.2	16.4	15.6	15.9	18.0	17.8
20 to 24 years	13.9	14.0	14.2	13.5	12.7	12.1	12.1	11.8	11.1	11.4	11.2	11.8	11.5
25 years and over	6.2	6.3	6.1	5.9	5.4	5.3	5.1	5.1	5.0	5.5	5.9	5.6	5.7
25 to 54 years	6.5	6.6	6.4	6.2	5.5	5.5	5.2	5.3	5.3	5.7	6.1	5.8	5.9
55 years and over	4.7	4.9	5.0	5.0	4.5	4.8	4.8	4.6	4.2	4.7	4.8	4.8	4.8
Males, 16 years and over	8.2	8.3	8.1	7.6	7.1	6.9	6.8	6.7	6.8	7.0	7.2	7.0	7.1
16 to 19 years	19.3	19.8	18.8	19.0	20.1	19.3	19.3	20.1	19.4	18.5	18.4	18.8	18.8
16 to 17 years	22.2	21.6	19.6	19.3	21.5	21.0	20.8	21.5	23.1	21.3	21.0	21.8	21.2
18 to 19 years	17.9	18.2	18.2	18.7	19.6	17.8	18.4	19.1	16.9	15.9	16.4	16.7	17.8
20 to 24 years	15.3	15.1	14.6	13.8	12.8	11.9	12.0	11.2	11.3	11.7	11.9	11.8	11.6
25 years and over	5.8	6.0	5.8	5.4	4.7	4.6	4.5	4.5	4.4	5.0	5.1	4.9	5.1
25 to 54 years	6.1	6.2	6.0	5.6	4.8	4.6	4.3	4.6	4.5	5.1	5.4	5.1	5.2
55 years and over	4.6	4.6	4.8	4.7	4.2	4.6	5.0	4.4	4.4	4.8	4.2	4.5	4.6
Females, 16 years and over	9.1	9.2	9.1	9.3	8.9	8.7	8.6	8.5	8.0	8.3	8.7	9.1	8.7
16 to 19 years	19.6	19.9	19.1	20.3	19.6	19.1	18.9	18.1	17.5	18.2	17.8	20.8	18.3
16 to 17 years	21.7	22.3	20.7	22.2	20.8	21.7	19.1	19.9	20.5	21.6	20.7	23.3	19.7
18 to 19 years	18.5	18.2	17.9	19.1	18.4	17.2	18.8	17.1	15.9	15.3	15.3	19.5	17.7
20 to 24 years	12.1	12.7	13.7	13.1	12.7	12.2	12.2	12.6	10.8	11.0	10.4	11.8	11.4
25 years and over	6.8	6.8	6.7	6.8	6.4	6.4	6.2	6.1	6.0	6.3	7.1	6.6	6.7
25 to 54 years	7.2	7.3	7.0	7.2	6.6	6.9	6.5	6.5	6.4	6.7	7.3	7.0	7.0
55 years and over	4.7	5.4	5.3	5.4	5.1	5.0	4.5	4.9	4.0	4.5	5.8	5.2	5.2

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

(Numbers in thousands)

Reason for unemployment	1975				1976								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
NUMBER OF UNEMPLOYED													
Job losers	4,797	4,531	4,444	3,955	3,481	3,440	3,502	3,499	3,461	3,623	3,843	3,781	3,756
Job leavers	824	829	872	862	849	848	760	831	881	882	964	1,008	929
Reentrants	1,808	1,892	1,846	1,975	1,985	1,864	1,857	1,833	1,781	1,795	1,856	1,935	1,895
New entrants	812	844	837	865	886	849	853	894	856	805	795	951	932
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	58.2	56.0	55.6	51.7	48.3	49.1	50.2	49.6	49.6	51.0	51.5	49.3	50.0
Job leavers	10.0	10.2	10.9	11.3	11.8	12.1	10.9	11.8	12.6	12.4	12.9	13.1	12.4
Reentrants	21.9	23.4	23.1	25.8	27.6	26.6	26.6	26.0	25.5	25.3	24.9	25.2	25.2
New entrants	9.9	10.4	10.5	11.3	12.3	12.1	12.2	12.7	12.3	11.3	10.7	12.4	12.4
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	5.2	4.9	4.8	4.2	3.7	3.7	3.7	3.7	3.7	3.8	4.0	4.0	3.9
Job leavers .....	.9	.9	.9	.9	.9	.9	.8	.9	.9	.9	1.0	1.1	1.0
Reentrants	1.9	2.0	2.0	2.1	2.1	2.0	2.0	1.9	1.9	1.9	1.9	2.0	2.0
New entrants .....	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.8	1.0	1.0

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[Numbers in thousands]

Sex and age	1975				1976								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total, 16 years and over	85,158	85,151	85,178	85,394	86,194	86,319	86,692	87,399	87,697	87,500	87,907	87,981	87,819
16 to 19 years	7,091	7,017	7,038	7,053	7,138	7,157	7,213	7,352	7,437	7,264	7,414	7,311	7,191
16 to 17 years	2,883	2,872	2,920	2,887	2,973	2,877	2,921	2,998	2,914	2,847	3,011	2,970	2,912
18 to 19 years	4,225	4,150	4,121	4,162	4,197	4,281	4,267	4,360	4,483	4,404	4,406	4,333	4,292
20 to 24 years	11,702	11,620	11,550	11,753	11,898	12,056	12,075	12,290	12,430	12,368	12,511	12,302	12,334
25 years and over	66,412	66,542	66,552	66,634	67,257	67,116	67,411	67,744	67,818	67,904	67,886	68,268	68,358
25 to 54 years	52,989	53,126	53,056	53,133	53,702	53,732	54,037	54,290	54,373	54,535	54,516	54,809	54,829
55 years and over	13,470	13,447	13,441	13,455	13,547	13,491	13,399	13,403	13,395	13,382	13,406	13,515	13,579
Males, 16 years and over	51,334	51,300	51,325	51,390	51,761	51,870	51,944	52,490	52,554	52,243	52,501	52,655	52,564
16 to 19 years	3,818	3,787	3,804	3,804	3,845	3,873	3,863	3,966	3,958	3,852	3,966	3,973	3,843
16 to 17 years	1,581	1,581	1,608	1,587	1,610	1,573	1,565	1,666	1,557	1,522	1,645	1,657	1,578
18 to 19 years	2,254	2,210	2,196	2,211	2,230	2,300	2,279	2,302	2,362	2,328	2,327	2,309	2,276
20 to 24 years	6,342	6,332	6,303	6,418	6,525	6,675	6,638	6,795	6,836	6,703	6,781	6,714	6,778
25 years and over	41,202	41,204	41,227	41,205	41,466	41,328	41,462	41,702	41,746	41,708	41,694	41,892	41,993
25 to 54 years	32,742	32,817	32,790	32,798	33,017	33,092	33,242	33,338	33,425	33,329	33,316	33,440	33,521
55 years and over	8,471	8,413	8,406	8,379	8,416	8,295	8,263	8,333	8,344	8,353	8,406	8,464	8,488
Females, 16 years and over	33,824	33,851	33,853	34,004	34,433	34,449	34,748	34,909	35,143	35,257	35,406	35,326	35,255
16 to 19 years	3,273	3,230	3,234	3,249	3,293	3,284	3,350	3,386	3,479	3,412	3,448	3,338	3,348
16 to 17 years	1,302	1,291	1,312	1,300	1,363	1,304	1,356	1,332	1,357	1,325	1,366	1,313	1,334
18 to 19 years	1,971	1,940	1,925	1,951	1,967	1,981	1,988	2,058	2,121	2,076	2,079	2,024	2,016
20 to 24 years	5,360	5,288	5,247	5,335	5,373	5,381	5,437	5,495	5,594	5,665	5,730	5,588	5,556
25 years and over	25,210	25,338	25,325	25,429	25,791	25,788	25,949	26,042	26,072	26,196	26,192	26,376	26,365
25 to 54 years	20,247	20,309	20,266	20,335	20,685	20,640	20,795	20,952	20,948	21,206	21,200	21,369	21,308
55 years and over	4,999	5,034	5,035	5,076	5,131	5,196	5,136	5,070	5,051	5,029	5,000	5,051	5,091

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-41. Employed persons by selected social and economic categories, seasonally adjusted

[In thousands]

Selected categories	1975				1976								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total employed	85,158	85,151	85,178	85,394	86,194	86,319	86,692	87,399	87,697	87,500	87,907	87,981	87,819
Household heads	50,279	50,258	50,316	50,332	50,628	50,737	50,789	51,165	51,200	51,163	51,054	51,170	51,234
Married men, spouse present	37,948	37,921	37,858	37,739	37,996	37,931	38,087	38,205	38,215	38,090	38,147	38,237	38,218
Married women, spouse present	19,758	19,799	19,833	19,859	20,065	19,976	20,001	20,073	20,280	20,337	20,399	20,444	20,536
Occupation													
White collar workers	42,540	42,386	42,253	42,326	42,797	43,028	43,458	43,433	43,792	43,763	43,481	43,782	44,183
Professional and technical	12,814	12,773	12,795	13,026	13,166	13,094	13,204	13,004	13,262	13,439	13,297	13,536	13,619
Managers and administrators, except farm	9,215	9,027	9,077	8,837	9,044	9,135	9,300	9,387	9,200	9,257	9,179	9,282	9,580
Sales workers	5,493	5,515	5,269	5,296	5,224	5,333	5,398	5,488	5,562	5,512	5,435	5,549	5,607
Clerical workers	15,018	15,071	15,112	15,167	15,363	15,466	15,556	15,554	15,768	15,555	15,570	15,415	15,377
Blue-collar workers	27,936	28,105	28,126	28,408	28,759	28,725	28,545	29,110	29,115	29,166	29,279	28,853	28,739
Craft and kindred workers	10,907	11,104	11,018	11,265	11,266	11,297	11,030	11,161	11,268	11,238	11,372	11,251	11,348
Operatives	12,899	12,915	13,010	13,043	13,303	13,214	13,191	13,508	13,514	13,690	13,530	13,273	13,091
Nonfarm laborers	4,130	4,086	4,098	4,100	4,190	4,214	4,324	4,441	4,333	4,238	4,377	4,329	4,300
Service workers	11,739	11,759	11,872	11,837	11,926	11,848	11,781	11,858	11,981	12,028	12,185	12,325	12,219
Farm workers	3,040	2,975	2,838	2,782	2,868	2,772	2,712	2,922	2,833	2,802	2,878	2,951	2,791
Major industry and class of worker													
Agriculture:													
Wage and salary workers	1,347	1,303	1,262	1,231	1,300	1,295	1,317	1,388	1,286	1,299	1,301	1,363	1,329
Self-employed workers	1,753	1,710	1,687	1,663	1,649	1,596	1,568	1,641	1,672	1,670	1,695	1,709	1,606
Unpaid family workers	411	408	349	300	331	300	284	394	359	341	340	356	351
Nonagricultural industries:													
Wage and salary workers	75,716	75,760	75,468	76,038	76,568	77,023	77,376	77,834	78,134	78,098	78,390	78,469	78,584
Private households	1,320	1,349	1,307	1,309	1,287	1,200	1,308	1,351	1,294	1,415	1,436	1,401	1,410
Government	14,551	14,443	14,628	14,719	14,779	14,891	14,980	14,796	14,850	14,894	14,988	15,317	15,185
Other	59,845	59,968	59,533	60,010	60,502	60,932	61,088	61,687	61,990	61,789	61,966	61,751	61,989
Self-employed workers	5,621	5,531	5,991	5,683	5,693	5,684	5,594	5,608	5,778	5,657	5,649	5,662	5,714
Unpaid family workers	478	478	540	510	528	490	444	463	460	451	432	436	428
Persons at work¹													
Nonagricultural industries	76,784	76,822	77,103	77,380	78,506	78,399	78,167	77,413	79,056	79,497	79,189	78,931	79,921
Full-time schedules	62,838	62,824	63,141	63,730	64,211	64,381	64,328	63,708	64,947	64,860	65,259	64,622	65,064
Part time for economic reasons	3,291	3,361	3,353	3,243	3,482	3,262	3,266	3,248	3,382	3,080	3,012	3,047	3,348
Usually work full time	1,409	1,459	1,405	1,332	1,415	1,308	1,230	1,342	1,457	1,307	1,259	1,295	1,339
Usually work part time	1,882	1,902	1,948	1,911	2,067	1,954	2,036	1,906	1,925	1,773	1,753	1,752	2,009
Part time for noneconomic reasons	10,655	10,637	10,609	10,407	10,813	10,755	10,573	10,457	10,727	11,557	10,918	11,262	11,509

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-42. Employment status of male Vietnam-Era veterans and nonveterans 20 to 34 years of age

(Numbers in thousands)

Employment status	Not seasonally adjusted			Seasonally adjusted					
	Sept. 1975	Aug. 1976	Sept. 1976	Sept. 1975	May 1976	June 1976	July 1976	Aug. 1976	Sept. 1976
VETERANS¹									
Total, 20 to 34 years:									
Civilian noninstitutional population ²	6,514	6,703	6,735	6,514	6,670	6,677	6,691	6,703	6,735
Civilian labor force	6,090	6,330	6,316	6,147	6,325	6,343	6,338	6,298	6,371
Employed	5,623	5,907	5,863	5,543	5,865	5,785	5,807	5,833	5,780
Unemployed	467	423	453	604	460	558	531	465	591
Unemployment rate	7.7	6.7	7.2	9.8	7.3	8.8	8.4	7.4	9.3
20 to 24 years									
Civilian noninstitutional population ²	1,136	1,067	1,073	1,136	1,089	1,079	1,073	1,067	1,073
Civilian labor force	991	926	933	1,006	934	956	949	920	946
Employed	826	789	784	799	797	769	759	778	759
Unemployed	165	137	149	207	137	187	190	142	187
Unemployment rate	16.6	14.8	16.0	20.6	14.7	19.6	20.0	15.4	19.8
25 to 29 years									
Civilian noninstitutional population ²	3,467	3,248	3,227	3,467	3,329	3,301	3,275	3,248	3,227
Civilian labor force	3,254	3,067	3,013	3,285	3,171	3,137	3,086	3,035	3,041
Employed	3,037	2,864	2,819	3,012	2,962	2,890	2,876	2,830	2,797
Unemployed	217	203	194	273	209	247	210	205	244
Unemployment rate	6.7	6.6	6.4	8.3	6.6	7.9	6.8	6.8	8.0
30 to 34 years									
Civilian noninstitutional population ²	1,911	2,388	2,435	1,911	2,252	2,297	2,343	2,388	2,435
Civilian labor force	1,845	2,337	2,370	1,856	2,220	2,250	2,303	2,343	2,384
Employed	1,760	2,254	2,260	1,732	2,106	2,126	2,172	2,225	2,224
Unemployed	85	83	110	124	114	124	131	118	160
Unemployment rate	4.6	3.6	4.6	6.7	5.1	5.5	5.7	5.0	6.7
NONVETERANS									
Total, 20 to 34 years:									
Civilian noninstitutional population ²	16,091	16,854	16,911	16,091	16,640	16,715	16,783	16,854	16,911
Civilian labor force	14,431	15,584	15,230	14,537	15,099	15,001	15,144	15,141	15,306
Employed	13,058	14,356	14,120	13,002	13,906	13,827	13,821	13,810	14,060
Unemployed	1,373	1,228	1,110	1,535	1,193	1,174	1,323	1,331	1,246
Unemployment rate	9.5	7.9	7.3	10.6	7.9	7.8	8.7	8.8	8.1
20 to 24 years									
Civilian noninstitutional population ²	7,679	7,954	7,968	7,679	7,885	7,910	7,931	7,954	7,968
Civilian labor force	6,415	7,104	6,678	6,491	6,786	6,626	6,707	6,682	6,742
Employed	5,545	6,403	6,023	5,560	6,049	5,933	5,978	5,923	6,041
Unemployed	870	701	655	931	737	693	729	759	701
Unemployment rate	13.6	9.9	9.8	14.3	10.9	10.5	10.9	11.4	10.4
25 to 29 years									
Civilian noninstitutional population ²	4,544	5,121	5,141	4,544	4,972	5,035	5,097	5,121	5,141
Civilian labor force	4,298	4,839	4,902	4,299	4,687	4,742	4,831	4,833	4,893
Employed	3,975	4,490	4,601	3,932	4,406	4,437	4,428	4,441	4,551
Unemployed	323	349	301	367	281	303	403	392	342
Unemployment rate	7.5	7.2	6.1	8.5	6.0	6.4	8.3	8.1	7.0
30 to 34 years									
Civilian noninstitutional population ²	3,868	3,779	3,802	3,868	3,783	3,770	3,755	3,779	3,802
Civilian labor force	3,718	3,641	3,650	3,747	3,626	3,633	3,606	3,626	3,671
Employed	3,538	3,463	3,496	3,510	3,451	3,455	3,415	3,446	3,468
Unemployed	180	178	154	237	175	178	191	180	203
Unemployment rate	4.8	4.9	4.2	6.3	4.8	4.9	5.3	5.0	5.5

¹ Vietnam-era veterans are those who served between August 5, 1964, and April 30, 1975.

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-43. Employment status of the noninstitutional population by sex, age, and race, seasonally adjusted

(Numbers in thousands)

Employment status	1973		1974				1975				1976		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
TOTAL													
Total noninstitutional population ¹	148,569	149,215	149,860	150,500	151,141	151,809	152,440	153,056	153,820	154,477	155,115	155,717	156,368
Total labor force	91,231	92,030	92,765	92,968	93,562	93,867	93,985	94,715	95,315	95,312	95,697	96,687	97,485
Percent of total population	61.4	61.7	61.9	61.8	61.9	61.8	61.7	61.9	62.0	61.7	61.9	62.1	62.3
Civilian noninstitutional population ¹	146,266	146,931	147,604	148,272	148,922	149,596	150,243	150,872	151,640	152,318	152,971	153,576	154,224
Civilian labor force	88,928	89,746	90,510	90,740	91,343	91,655	91,789	92,531	93,134	93,153	93,553	94,546	95,341
Percent of civilian population	60.8	61.1	61.3	61.2	61.3	61.3	61.1	61.3	61.4	61.2	61.2	61.6	61.8
Employed	84,643	85,428	85,949	86,104	86,206	85,538	84,313	84,443	85,138	85,241	86,402	87,532	87,902
Percent of civilian population	57.9	58.1	58.2	58.1	57.9	57.2	56.1	56.0	56.1	56.0	56.5	57.0	57.0
Agriculture	3,434	3,544	3,711	3,483	3,444	3,384	3,297	3,393	3,472	3,315	3,231	3,347	3,350
Nonagricultural industries	81,209	81,884	82,238	82,620	82,762	82,154	81,016	81,050	81,666	81,926	83,171	84,185	84,552
Unemployed	4,285	4,318	4,561	4,636	5,138	6,117	7,476	8,087	7,997	7,912	7,151	7,014	7,439
Unemployment rate	4.8	4.8	5.0	5.1	5.6	6.7	8.1	8.7	8.6	8.5	7.6	7.4	7.8
Males, 20 years and over													
Total noninstitutional population ¹	62,959	63,240	63,538	63,800	64,073	64,372	64,642	64,904	65,238	65,543	65,827	66,090	66,385
Total labor force	51,477	51,740	52,105	52,054	52,176	52,412	52,201	52,558	52,882	52,828	52,601	53,099	53,462
Percent of total population	81.8	81.8	82.0	81.6	81.4	81.4	80.8	81.0	81.1	80.6	79.9	80.3	80.5
Civilian noninstitutional population ¹	61,078	61,380	61,713	61,998	62,285	62,599	62,911	63,181	63,510	63,828	64,139	64,400	64,690
Civilian labor force	49,597	49,879	50,281	50,251	50,388	50,640	50,469	50,835	51,154	51,113	50,913	51,409	51,768
Percent of civilian population	81.2	81.3	81.5	81.1	80.9	80.9	80.2	80.5	80.5	80.1	79.4	79.8	80.0
Employed	48,038	48,317	48,594	48,538	48,460	48,178	47,345	47,286	47,551	47,540	47,998	48,504	48,646
Percent of civilian population	78.7	78.7	78.7	78.3	77.8	77.0	75.3	74.8	74.9	74.5	74.8	75.3	75.2
Agriculture	2,479	2,537	2,640	2,501	2,502	2,460	2,417	2,433	2,459	2,377	2,319	2,421	2,397
Nonagricultural industries	45,559	45,780	45,954	46,036	45,958	45,718	44,928	44,853	45,092	45,163	45,679	46,083	46,249
Unemployed	1,558	1,562	1,687	1,713	1,928	2,462	3,124	3,549	3,603	3,573	2,915	2,906	3,122
Unemployment rate	3.1	3.1	3.4	3.4	3.8	4.9	6.2	7.0	7.0	7.0	5.7	5.7	6.0
Females, 20 years and over													
Civilian noninstitutional population ¹	69,392	69,694	69,937	70,244	70,545	70,913	71,164	71,465	71,831	72,140	72,455	72,754	73,080
Civilian labor force	30,895	31,138	31,376	31,718	32,162	32,140	32,522	32,882	33,148	33,302	33,745	34,094	34,576
Percent of population	44.5	44.6	44.9	45.2	45.6	45.3	45.7	46.0	46.1	46.2	46.6	46.9	47.3
Employed	29,377	29,654	29,811	30,132	30,383	30,049	29,912	30,129	30,537	30,665	31,234	31,677	31,951
Percent of population	42.3	42.5	42.6	42.9	43.1	42.4	42.0	42.2	42.5	42.5	43.1	43.5	43.7
Unemployed	1,518	1,483	1,565	1,586	1,779	2,090	2,611	2,754	2,611	2,637	2,511	2,416	2,625
Unemployment rate	4.9	4.8	5.0	5.0	5.5	6.5	8.0	8.4	7.9	7.9	7.4	7.1	7.6
Both sexes, 16-19 years													
Civilian noninstitutional population ¹	15,796	15,857	15,954	16,030	16,093	16,141	16,168	16,226	16,298	16,351	16,376	16,422	16,454
Civilian labor force	8,436	8,729	8,853	8,771	8,793	8,875	8,797	8,813	8,832	8,738	8,894	9,043	8,998
Percent of population	53.4	55.0	55.5	54.7	54.6	55.0	54.4	54.3	54.2	53.4	54.3	55.1	54.7
Employed	7,227	7,456	7,544	7,434	7,362	7,311	7,056	7,029	7,050	7,036	7,169	7,351	7,305
Percent of population	45.8	47.0	47.3	46.4	45.7	45.3	43.6	43.3	43.3	43.0	43.8	44.8	44.4
Unemployed	1,209	1,272	1,309	1,336	1,431	1,564	1,741	1,784	1,782	1,702	1,725	1,692	1,692
Unemployment rate	14.3	14.6	14.8	15.2	16.3	17.6	19.8	20.2	20.2	19.5	19.4	18.7	18.8
White													
Civilian noninstitutional population ¹	129,538	130,064	130,562	131,109	131,640	132,186	132,717	133,219	133,764	134,301	134,822	135,303	135,823
Civilian labor force	78,801	79,575	80,153	80,404	80,973	81,327	81,419	82,027	82,518	82,572	82,805	83,633	84,411
Percent of population	60.8	61.2	61.4	61.3	61.5	61.5	61.3	61.6	61.7	61.5	61.4	61.8	62.1
Employed	75,448	76,127	76,535	76,704	76,837	76,411	75,348	75,425	76,001	76,120	77,074	78,025	78,391
Percent of population	58.2	58.5	58.6	58.5	58.4	57.8	56.8	56.6	56.8	56.7	57.2	57.7	57.7
Unemployed	3,353	3,448	3,618	3,701	4,137	4,916	6,071	6,602	6,517	6,452	5,731	5,608	6,020
Unemployment rate	4.3	4.3	4.5	4.6	5.1	6.0	7.5	8.0	7.9	7.8	6.9	6.7	7.1
Black and other													
Civilian noninstitutional population ¹	16,728	16,866	17,042	17,163	17,282	17,410	17,526	17,652	17,876	18,017	18,148	18,273	18,401
Civilian labor force	10,117	10,211	10,342	10,277	10,354	10,391	10,378	10,455	10,630	10,668	10,758	10,855	10,933
Percent of population	60.5	60.5	60.7	59.9	59.9	59.7	59.2	59.2	59.5	59.2	59.3	59.4	59.4
Employed	9,185	9,330	9,402	9,352	9,346	9,173	8,988	8,980	9,136	9,177	9,345	9,461	9,503
Percent of population	54.9	55.3	55.2	54.5	54.1	52.7	51.3	50.9	51.1	50.9	51.5	51.6	51.6
Unemployed	933	881	939	924	1,009	1,218	1,389	1,475	1,494	1,491	1,413	1,394	1,430
Unemployment rate	9.2	8.6	9.1	9.0	9.7	11.7	13.4	14.1	14.1	14.0	13.1	12.8	13.1

¹ Because seasonality, by definition, does not exist in population figures, these figures are not seasonally adjusted.

NOTE: Detail for the household data shown in tables A-43 through A-62 and A-69 will not necessarily add to totals, because of the independent seasonal adjustment of the various series.

corrected.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-44. Full- and part-time status of the civilian labor force by sex and age, seasonally adjusted

(Numbers in thousands)

Full- and part-time employment . status, sex, and age	1973		1974				1975				1976		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
FULL TIME													
Total, 16 years and over:													
Civilian labor force	75,969	76,590	77,410	77,611	77,996	78,492	78,535	78,984	79,315	79,784	79,995	80,627c	81,076
Employed ¹	72,720	73,276	73,918	74,048	74,003	73,602	72,470	72,323	72,697	73,215	74,277	74,995c	75,059
Unemployed	3,248	3,315	3,492	3,563	3,993	4,890	6,065	6,661	6,618	6,569	5,718	5,632	6,017
Unemployment rate	4.3	4.3	4.5	4.6	5.1	6.2	7.7	8.4	8.3	8.2	7.1	7.0	7.4
Males, 20 years and over:													
Civilian labor force	47,157	47,421	47,825	47,809	47,875	48,158	47,945	48,194	48,512	48,693	48,404	48,775c	49,229
Employed ¹	45,765	46,002	46,305	46,249	46,118	45,862	45,040	44,892	45,123	45,303	45,735	46,110c	46,305
Unemployed	1,392	1,419	1,520	1,560	1,757	2,296	2,905	3,302	3,389	3,390	2,670	2,664	2,924
Unemployment rate	3.0	3.0	3.2	3.3	3.7	4.8	6.1	6.9	7.0	7.0	5.5	5.5	6.0
Females, 20 years and over:													
Civilian labor force	24,143	24,334	24,569	24,825	25,185	25,326	25,764	25,848	24,955	26,353	26,671	26,865	27,023
Employed ¹	22,959	23,162	23,346	23,581	23,791	23,627	23,625	23,594	23,808	24,161	24,616	24,919	24,912
Unemployed	1,184	1,172	1,222	1,244	1,394	1,699	2,139	2,253	2,147	2,192	2,055	1,946	2,111
Unemployment rate	4.9	4.8	5.0	5.0	5.5	6.7	8.3	8.7	8.3	8.3	7.7	7.2	7.8
Both sexes, 16-19 years:													
Civilian labor force	4,668	4,835	5,016	4,977	4,936	5,008	4,827	4,943	4,848	4,738	4,919	4,987	4,824
Employed ¹	3,996	4,112	4,266	4,217	4,094	4,113	3,805	3,837	3,767	3,750	3,926	3,966	3,843
Unemployed	672	724	750	760	843	895	1,021	1,106	1,082	987	993	1,022	981
Unemployment rate	14.4	15.0	14.9	15.3	17.1	17.9	21.2	22.4	22.3	20.8	20.2	20.5	20.3
PART TIME													
Total, 16 years and over:													
Civilian labor force	12,874	13,160	13,164	13,126	13,303	13,216	13,291	13,530	13,959	13,413	13,632	13,904	14,427
Employed ¹	11,832	12,157	12,106	12,044	12,154	11,975	11,900	12,119	12,561	12,023	12,215	12,521	12,986
Unemployed	1,042	1,003	1,059	1,082	1,148	1,241	1,390	1,411	1,398	1,390	1,417	1,383	1,441
Unemployment rate	8.1	7.6	8.0	8.2	8.6	9.4	10.5	10.4	10.0	10.4	10.4	9.9	10.0
Males, 20 years and over:													
Civilian labor force	2,416	2,470	2,472	2,423	2,493	2,511	2,534	2,611	2,652	2,480	2,538	2,608	2,562
Employed ¹	2,251	2,324	2,312	2,265	2,321	2,332	2,331	2,370	2,427	2,259	2,305	2,362	2,352
Unemployed	165	146	160	158	172	180	202	241	225	222	233	246	209
Unemployment rate	6.8	5.9	6.5	6.5	6.9	7.2	8.0	9.2	8.5	8.9	9.2	9.4	8.2
Females, 20 years and over:													
Civilian labor force	6,757	6,788	6,831	6,869	6,955	6,819	6,818	7,001	7,194	6,965	7,135	7,190	7,543
Employed ¹	6,422	6,477	6,488	6,524	6,572	6,423	6,347	6,514	6,723	6,506	6,679	6,727	7,026
Unemployed	335	311	343	345	383	396	471	487	469	459	455	463	517
Unemployment rate	5.0	4.6	5.0	5.0	5.5	5.8	6.9	7.0	6.5	6.6	6.4	6.4	6.9
Both sexes, 16-19 years:													
Civilian labor force	3,701	3,902	3,862	3,834	3,854	3,885	3,939	3,918	4,113	3,968	3,959	4,106	4,323
Employed ¹	3,159	3,356	3,306	3,255	3,261	3,220	3,222	3,236	3,409	3,259	3,231	3,432	3,608
Unemployed	542	546	556	579	593	665	717	682	704	710	729	674	715
Unemployment rate	14.7	14.0	14.4	15.1	15.4	17.1	18.2	17.4	17.1	17.9	18.4	16.4	16.5

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.

c = corrected.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-45. Employment status by race, sex, and age, seasonally adjusted

[Numbers in thousands]

Characteristics	1973		1974				1975				1976		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
WHITE													
Total, 16 years and over:													
Civilian labor force	78,801	79,575	80,153	80,404	80,973	81,327	81,419	82,027	82,518	82,572	82,805	83,633	84,411
Employed	75,448	76,127	76,535	76,704	76,837	76,411	75,348	75,425	76,001	76,120	77,074	78,025	78,391
Unemployed	3,353	3,448	3,618	3,701	4,137	4,916	6,071	6,602	6,517	6,452	5,731	5,608	6,020
Unemployment rate	4.3	4.3	4.5	4.6	5.1	6.0	7.5	8.0	7.9	7.8	6.9	6.7	7.1
Males, 20 years and over:													
Civilian labor force	44,504	44,750	45,065	45,078	45,240	45,489	45,289	45,644	45,847	45,845	45,668	46,064	46,417
Employed	43,242	43,471	43,709	43,681	43,639	43,475	42,738	42,704	42,854	42,926	43,330	43,691	43,812
Unemployed	1,262	1,279	1,356	1,397	1,601	2,014	2,551	2,940	2,993	2,918	2,338	2,373	2,605
Unemployment rate	2.8	2.9	3.0	3.1	3.5	4.4	5.6	6.4	6.5	6.4	5.1	5.2	5.6
Females, 20 years and over:													
Civilian labor force	26,783	27,013	27,189	27,511	27,884	27,915	28,254	28,541	28,748	28,927	29,183	29,485	29,905
Employed	25,610	25,854	25,951	26,242	26,466	26,232	26,118	26,302	26,673	26,760	27,185	27,569	27,842
Unemployed	1,173	1,159	1,239	1,268	1,418	1,683	2,136	2,240	2,075	2,167	1,999	1,916	2,063
Unemployment rate	4.4	4.3	4.6	4.6	5.1	6.0	7.6	7.8	7.2	7.5	6.8	6.5	6.9
Both sexes, 16 to 19 years:													
Civilian labor force	7,514	7,812	7,899	7,815	7,849	7,923	7,876	7,842	7,923	7,801	7,953	8,084	8,088
Employed	6,596	6,802	6,876	6,780	6,731	6,704	6,492	6,420	6,474	6,433	6,559	6,765	6,737
Unemployed	918	1,010	1,023	1,035	1,118	1,219	1,384	1,422	1,450	1,367	1,394	1,319	1,351
Unemployment rate	12.2	12.9	13.0	13.2	14.2	15.4	17.6	18.1	18.3	17.5	17.5	16.3	16.7
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	10,117	10,211	10,342	10,277	10,354	10,391	10,378	10,455	10,630	10,668	10,758	10,855	10,933
Employed	9,185	9,330	9,402	9,352	9,346	9,173	8,988	8,980	9,136	9,177	9,345	9,461	9,503
Unemployed	933	881	939	924	1,009	1,218	1,389	1,475	1,494	1,491	1,413	1,394	1,430
Unemployment rate	9.2	8.6	9.1	9.0	9.7	11.7	13.4	14.1	14.1	14.0	13.1	12.8	13.1
Males, 20 years and over:													
Civilian labor force	5,086	5,149	5,201	5,163	5,145	5,180	5,164	5,182	5,314	5,306	5,234	5,345	5,373
Employed	4,786	4,865	4,875	4,847	4,808	4,730	4,603	4,572	4,683	4,645	4,664	4,811	4,837
Unemployed	300	284	326	316	337	450	562	611	631	660	570	533	536
Unemployment rate	5.9	5.5	6.3	6.1	6.5	8.7	10.9	11.8	11.9	12.4	10.9	10.0	10.0
Females, 20 years and over:													
Civilian labor force	4,105	4,139	4,178	4,190	4,255	4,258	4,277	4,328	4,378	4,421	4,573	4,590	4,635
Employed	3,768	3,805	3,853	3,873	3,904	3,834	3,811	3,814	3,855	3,923	4,065	4,091	4,089
Unemployed	337	334	325	318	351	424	467	514	522	497	507	499	546
Unemployment rate	8.2	8.1	7.8	7.6	8.2	10.0	10.9	11.9	11.9	11.3	11.1	10.9	11.8
Both sexes, 16 to 19 years:													
Civilian labor force	926	923	963	923	954	954	936	945	938	942	951	920	926
Employed	631	660	674	632	634	610	575	594	598	609	616	558	577
Unemployed	295	263	288	291	321	344	361	351	341	333	335	362	349
Unemployment rate	31.9	28.5	30.0	31.5	33.6	36.1	38.6	37.1	36.3	35.4	35.2	39.3	37.7

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-46. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Selected categories	1973		1974				1975				1976		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
CHARACTERISTICS													
Total (all civilian workers)	4.8	4.8	5.0	5.1	5.6	6.7	8.1	8.7	8.6	8.5	7.6	7.4	7.8
Males, 20 years and over	3.1	3.1	3.4	3.4	3.8	4.9	6.2	7.0	7.0	7.0	5.7	5.7	6.0
Females, 20 years and over	4.9	4.8	5.0	5.0	5.5	6.5	8.0	8.4	7.9	7.9	7.4	7.1	7.6
Both sexes, 16-19 years	14.3	14.6	14.8	15.2	16.3	17.6	19.8	20.2	20.2	19.5	19.4	18.7	18.8
White	4.3	4.3	4.5	4.6	5.1	6.0	7.5	8.0	7.9	7.8	6.9	6.7	7.1
Black and other	9.2	8.6	9.1	9.0	9.7	11.7	13.4	14.1	14.1	14.0	13.1	12.8	13.1
Household heads, total	2.8	2.9	2.9	3.0	3.3	4.2	5.4	6.0	5.9	5.9	5.0	4.9	5.3
Males	2.4	2.4	2.5	2.5	2.9	3.8	5.0	5.7	5.7	5.5	4.5	4.6	4.8
With relatives	2.1	2.2	2.3	2.3	2.7	3.4	4.6	5.4	5.3	5.0	4.1	4.0	4.4
Without relatives	4.9	5.1	5.3	5.2	4.9	7.2	8.4	8.9	9.2	10.2	8.4	8.8	8.4
Females	5.2	5.5	5.1	5.2	5.3	6.6	7.4	7.5	7.5	8.2	7.8	6.6	7.9
With relatives	6.8	7.4	6.5	6.5	6.7	8.1	9.5	9.8	10.1	10.5	10.0	9.1	10.6
Without relatives	3.9	3.8	3.8	4.0	3.9	5.1	5.5	5.4	5.0	6.1	5.7	4.4	5.3
Married men, spouse present	2.2	2.2	2.3	2.3	2.8	3.5	4.7	5.5	5.4	5.1	4.1	4.1	4.4
Full-time workers	4.3	4.3	4.5	4.6	5.1	6.2	7.7	8.4	8.3	8.2	7.1	7.0	7.4
Part-time workers	8.1	7.6	8.0	8.2	8.6	9.4	10.4	10.4	10.0	10.4	10.4	9.9	10.0
Unemployed 15 weeks and over ¹	.9	.9	.9	.9	1.0	1.3	2.0	2.7	3.1	3.1	2.7	2.2	2.5
Labor force time lost ²	5.2	5.3	5.5	5.6	6.1	7.3	8.9	9.3	9.0	9.2	8.2	8.0	8.2
OCCUPATION													
White-collar workers	2.9	2.9	3.0	3.1	3.3	3.7	4.5	5.0	4.7	4.8	4.6	4.6	4.7
Professional and technical	2.1	2.2	2.1	2.1	2.3	2.5	3.0	3.4	3.2	3.3	3.4	3.1	3.1
Managers and administrators, except farm	1.4	1.4	1.6	1.7	1.8	2.3	2.9	3.1	3.1	2.9	2.9	3.0	3.4
Sales workers	3.7	3.6	3.9	4.0	4.0	5.2	5.6	5.8	5.6	6.2	5.5	4.9	5.5
Clerical workers	4.2	4.0	4.2	4.3	4.8	5.0	6.2	7.0	6.6	6.6	6.3	6.5	6.6
Blue-collar workers	5.4	5.4	5.8	6.0	6.8	8.6	11.1	12.6	12.1	11.2	9.3	9.1	9.7
Craft and kindred workers	3.8	3.6	3.7	3.8	4.5	5.7	7.3	9.0	8.9	8.0	6.7	6.8	7.1
Operatives	5.7	5.8	6.5	6.6	7.4	9.9	12.9	14.2	13.3	12.4	9.9	9.5	10.3
Nonfarm laborers	8.3	8.5	8.8	9.4	10.6	11.9	14.7	16.6	16.0	15.6	13.7	13.3	14.2
Service workers	5.6	5.7	5.9	6.1	6.3	6.9	8.0	8.4	8.8	9.0	8.9	8.3	8.5
Farm workers	2.3	2.5	2.3	2.6	2.8	2.6	3.5	3.4	3.4	4.0	4.3	4.6	3.9
INDUSTRY													
Nonagricultural private wage and salary workers ³	4.8	4.9	5.1	5.2	5.8	7.0	8.7	9.7	9.3	9.1	7.9	7.7	8.1
Construction	9.0	8.7	8.8	9.7	11.1	13.6	16.6	20.1	19.6	17.4	15.6	15.5	16.9
Manufacturing	4.2	4.4	4.9	4.9	5.8	7.8	10.5	11.9	11.1	10.2	7.8	7.5	8.0
Durable goods	3.8	4.0	4.6	4.6	5.1	7.6	10.4	12.4	11.8	10.6	7.9	7.5	7.5
Nondurable goods	4.7	4.9	5.2	5.3	6.7	8.1	10.7	11.1	10.1	9.6	7.7	7.5	8.7
Transportation and public utilities	2.8	3.2	2.9	3.0	3.4	3.8	5.5	6.1	5.7	5.2	4.7	4.8	5.1
Wholesale and retail trade	5.8	5.6	5.9	6.1	6.4	7.4	8.3	8.7	8.7	9.3	8.6	8.2	8.7
Finance and service industries	4.2	4.4	4.4	4.3	4.7	5.2	6.3	6.7	6.4	7.0	6.6	6.3	6.4
Government workers	2.8	2.6	2.7	3.1	2.9	3.3	3.6	4.2	4.1	4.2	4.4	4.6	4.3
Agricultural wage and salary workers	6.4	6.9	6.8	7.2	7.5	7.9	10.1	10.3	10.1	11.1	11.1	11.9	11.0

¹ Unemployment as a percent of civilian labor force.

as 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.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-47. Unemployed persons by duration of unemployment, seasonally adjusted

[Numbers in thousands]

Weeks of unemployment	1973		1974				1975				1976		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
Duration													
Less than 5 weeks	2,230	2,197	2,379	2,398	2,585	2,925	3,099	2,916	2,815	2,768	2,667	2,817	2,869
5 to 14 weeks	1,295	1,307	1,367	1,416	1,580	1,993	2,541	2,563	2,345	2,386	1,951	2,030	2,303
15 weeks and over	767	805	809	857	959	1,209	1,793	2,519	2,922	2,934	2,531	2,083	2,339
15 to 26 weeks	472	467	482	510	583	747	1,096	1,433	1,461	1,312	1,005	804	1,127
27 weeks and over	295	338	326	347	375	462	697	1,086	1,461	1,622	1,526	1,278	1,212
Average (mean) duration in weeks	9.6	9.9	9.6	9.7	9.8	10.0	11.3	13.8	15.6	16.5	16.3	15.9	15.6
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	52.0	51.0	52.2	51.3	50.4	47.7	41.7	36.5	34.8	34.2	37.3	40.6	38.2
5 to 14 weeks	30.2	30.3	30.0	30.3	30.8	32.5	34.2	32.0	29.0	29.5	27.3	29.3	30.7
15 weeks and over	17.9	18.7	17.8	18.3	18.7	19.7	24.1	31.5	36.2	36.3	35.4	30.1	31.1
15 to 26 weeks	11.0	10.8	10.6	10.9	11.4	12.2	14.7	17.9	18.1	16.2	14.1	11.6	15.0
27 weeks and over	6.9	7.8	7.2	7.4	7.3	7.5	9.4	13.6	18.1	20.1	21.3	18.4	16.1

A-48. Rates of unemployment by sex and age, seasonally adjusted

Sex and age	1973		1974				1975				1976		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
Total, 16 years and over	4.8	4.8	5.0	5.1	5.6	6.7	8.1	8.7	8.6	8.5	7.6	7.4	7.8
16 to 19 years	14.3	14.6	14.8	15.2	16.3	17.6	19.8	20.2	20.2	19.5	19.4	18.7	18.8
16 to 17 years	17.0	17.1	17.6	17.6	18.3	19.8	21.2	21.3	22.1	20.9	20.9	21.4	21.3
18 to 19 years	12.5	12.6	12.7	13.3	15.0	15.9	18.7	19.3	19.0	18.4	18.4	16.8	17.2
20 to 24 years	7.9	7.4	8.2	8.2	9.3	10.7	13.1	13.8	13.6	13.9	12.3	11.4	11.5
25 years and over	3.0	3.1	3.2	3.2	3.6	4.5	5.7	6.3	6.2	6.1	5.3	5.2	5.7
25 to 54 years	3.1	3.2	3.3	3.4	3.7	4.8	6.0	6.7	6.5	6.4	5.4	5.4	6.0
55 years and over	2.7	2.7	2.8	2.6	3.0	3.4	4.5	4.9	4.7	5.0	4.7	4.5	4.8
Males, 16 years and over	4.1	4.1	4.3	4.4	4.9	5.9	7.4	8.2	8.2	8.0	6.9	6.8	7.1
16 to 19 years	13.8	14.1	14.2	14.9	15.8	17.2	19.9	20.9	20.4	19.2	19.6	19.4	18.7
16 to 17 years	16.5	16.8	17.4	18.0	18.7	19.7	21.2	22.2	22.5	20.2	21.1	22.0	21.3
18 to 19 years	12.0	11.8	11.7	12.3	13.9	15.2	18.8	19.8	19.1	18.4	18.6	17.3	17.0
20 to 24 years	7.2	6.9	7.8	7.8	8.9	10.7	13.4	14.7	14.9	14.5	12.2	11.4	11.8
25 years and over	2.5	2.5	2.6	2.7	3.0	3.9	5.0	5.7	5.7	5.7	4.6	4.6	5.1
25 to 54 years	2.4	2.4	2.6	2.8	3.0	4.1	5.1	6.0	6.0	5.9	4.6	4.6	5.2
55 years and over	2.7	2.6	2.6	2.4	2.9	3.0	4.3	4.7	4.5	4.7	4.6	4.5	4.4
Females, 16 years and over	6.0	5.9	6.2	6.2	6.8	7.8	9.3	9.6	9.2	9.2	8.7	8.3	8.8
16 to 19 years	15.0	15.2	15.6	15.6	16.8	18.1	19.7	19.4	19.9	19.8	19.2	17.9	19.0
16 to 17 years	17.7	17.4	17.9	17.2	17.9	20.0	21.1	20.2	21.6	21.7	20.6	20.6	21.2
18 to 19 years	13.1	13.7	13.9	14.6	16.2	16.7	18.6	18.9	18.8	18.4	18.1	16.1	17.5
20 to 24 years	8.9	8.1	8.7	8.8	9.8	10.8	12.8	12.8	12.1	13.2	12.4	11.5	11.2
25 years and over	4.0	4.0	4.2	4.2	4.6	5.5	6.9	7.4	6.9	6.7	6.3	6.1	6.8
25 to 54 years	4.3	4.4	4.5	4.4	4.8	5.9	7.4	8.0	7.4	7.1	6.7	6.5	7.1
55 years and over	2.8	2.7	3.0	3.1	3.3	4.1	4.9	5.2	5.0	5.4	4.9	4.5	5.4

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-49. Unemployed persons by reason for unemployment, seasonally adjusted

[Numbers in thousands]

Reason for unemployment	1973		1974				1975				1976		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
NUMBER OF UNEMPLOYED													
Job losers	1,657	1,689	1,944	1,914	2,193	2,900	3,939	4,642	4,700	4,310	3,474	3,528	3,793
Job leavers	666	732	736	724	765	793	767	820	810	854	819	865	967
Reentrants	1,321	1,254	1,241	1,385	1,515	1,632	1,826	1,915	1,830	1,904	1,902	1,803	1,895
New entrants	633	605	632	618	685	757	781	767	852	849	863	852	893
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	38.7	39.5	42.7	41.2	42.5	47.7	53.9	57.0	57.4	54.4	49.2	50.1	50.3
Job leavers	15.6	17.1	16.2	15.6	14.8	13.0	10.5	10.1	9.9	10.8	11.6	12.3	12.8
Reentrants	30.9	29.3	27.3	29.8	29.4	26.8	25.0	23.5	22.3	24.0	26.9	25.6	25.1
New entrants	14.8	14.1	13.9	13.3	13.3	12.4	10.7	9.4	10.4	10.7	12.2	12.1	11.8
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	1.9	1.9	2.1	2.1	2.4	3.2	4.3	5.0	5.0	4.6	3.7	3.7	4.0
Job leavers .....	.7	.8	.8	.8	.8	.9	.8	.9	.9	.9	.9	.9	1.0
Reentrants	1.5	1.4	1.4	1.5	1.7	1.8	2.0	2.1	2.0	2.0	2.0	1.9	2.0
New entrants .....	.7	.7	.7	.7	.7	.8	.9	.8	.9	.9	.9	.9	.9

A-50. Employed persons by sex and age, seasonally adjusted

[Numbers in thousands]

Sex and age	1973		1974				1975				1976		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
Total, 16 years and over	84,643	85,428	85,949	86,104	86,206	85,538	84,313	84,443	85,138	85,241	86,402	87,532	87,902
16 to 19 years	7,227	7,456	7,544	7,434	7,362	7,311	7,056	7,029	7,050	7,036	7,169	7,351	7,305
16 to 17 years	3,031	3,108	3,123	3,073	3,087	3,043	2,966	2,879	2,883	2,893	2,924	2,920	2,964
18 to 19 years	4,188	4,350	4,428	4,350	4,268	4,268	4,106	4,143	4,184	4,144	4,248	4,416	4,344
20 to 24 years	11,686	11,912	11,862	11,944	11,923	11,876	11,601	11,603	11,717	11,641	12,010	12,363	12,382
25 years and over	65,685	66,072	66,580	66,722	66,875	66,362	65,692	65,809	66,330	66,576	67,261	67,822	68,171
25 to 54 years	51,945	52,307	52,792	52,948	53,218	52,787	52,175	52,282	52,879	53,105	53,824	54,399	54,718
55 years and over	13,773	13,741	13,786	13,746	13,680	13,555	13,546	13,507	13,487	13,448	13,479	13,393	13,500
Males, 16 years and over	52,055	52,450	52,769	52,646	52,499	52,178	51,163	51,073	51,353	51,338	51,858	52,429	52,573
16 to 19 years	4,017	4,133	4,175	4,109	4,039	4,000	3,818	3,787	3,803	3,798	3,860	3,925	3,927
16 to 17 years	1,727	1,755	1,769	1,726	1,721	1,703	1,634	1,592	1,589	1,592	1,583	1,582	1,627
18 to 19 years	2,286	2,383	2,404	2,370	2,320	2,301	2,193	2,189	2,227	2,206	2,270	2,331	2,304
20 to 24 years	6,560	6,720	6,660	6,664	6,593	6,569	6,366	6,302	6,343	6,351	6,613	6,778	6,758
25 years and over	41,443	41,617	41,960	41,863	41,832	41,630	41,002	40,974	41,179	41,212	41,419	41,719	41,860
25 to 54 years	32,803	32,938	33,219	33,130	33,151	32,940	32,462	32,471	32,686	32,802	33,117	33,364	33,426
55 years and over	8,650	8,666	8,752	8,719	8,691	8,678	8,557	8,490	8,503	8,399	8,325	8,343	8,453
Females, 16 years and over	32,587	32,978	33,180	33,457	33,706	33,360	33,150	33,370	33,784	33,903	34,543	35,103	35,329
16 to 19 years	3,210	3,323	3,369	3,326	3,323	3,311	3,238	3,252	3,247	3,238	3,309	3,426	3,378
16 to 17 years	1,304	1,353	1,354	1,347	1,366	1,340	1,332	1,287	1,294	1,301	1,341	1,338	1,338
18 to 19 years	1,902	1,968	2,024	1,980	1,948	1,968	1,914	1,954	1,956	1,939	1,979	2,085	2,040
20 to 24 years	5,126	5,192	5,201	5,280	5,330	5,307	5,235	5,302	5,373	5,290	5,397	5,585	5,625
25 years and over	24,242	24,454	24,620	24,859	25,043	24,732	24,690	24,835	25,152	25,364	25,843	26,103	26,311
25 to 54 years	19,142	19,369	19,574	19,818	20,068	19,847	19,713	19,811	20,193	20,303	20,707	21,035	21,292
55 years and over	5,122	5,075	5,034	5,027	4,989	4,877	4,988	5,017	4,984	5,048	5,154	5,050	5,047

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-51. Employed persons by selected social and economic categories, seasonally adjusted

(In thousands)

Selected categories	1973		1974				1975				1976		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
Total employed	84,643	85,428	85,949	86,104	86,206	85,538	84,313	84,443	85,138	85,241	86,402	87,532	87,902
Household heads	50,123	50,370	50,840	50,932	50,920	50,614	49,827	49,935	50,302	50,302	50,718	51,176	51,153
Married men, spouse present	38,962	39,112	39,283	39,053	38,846	38,573	38,877	37,859	37,969	37,839	38,005	38,170	38,201
Married women, spouse present	19,063	19,400	19,337	19,598	19,779	19,597	19,343	19,424	19,648	19,830	20,014	20,230	20,460
Occupation													
White-collar workers	40,408	41,065	41,491	41,820	41,864	41,788	41,885	42,237	42,494	42,322	43,094	43,663	43,815
Professional and technical	11,759	12,038	12,220	12,366	12,476	12,301	12,523	12,721	12,898	12,865	13,155	13,235	13,484
Managers and administrators, except farm	8,676	8,927	9,028	9,081	8,835	8,821	8,770	8,849	8,970	8,980	9,160	9,281	9,347
Sales workers	5,370	5,394	5,420	5,403	5,437	5,410	5,425	5,535	5,527	5,360	5,318	5,521	5,530
Clerical workers	14,602	14,706	14,823	14,969	15,115	15,255	15,167	15,132	15,098	15,117	15,462	15,626	15,454
Blue-collar workers	30,010	29,997	30,061	29,950	29,833	29,283	27,941	27,804	27,902	28,213	28,676	29,130	28,957
Craft and kindred workers	11,349	11,352	11,506	11,524	11,509	11,369	10,869	10,889	10,978	11,129	11,198	11,222	11,324
Operatives	14,318	14,317	14,034	14,085	14,028	13,530	12,870	12,775	12,797	12,989	13,236	13,571	13,298
Nonfarm laborers	4,343	4,328	4,521	4,341	4,296	4,384	4,175	4,140	4,127	4,095	4,243	4,337	4,335
Service workers	11,173	11,233	11,174	11,317	11,488	11,509	11,618	11,507	11,692	11,823	11,852	11,956	12,243
Farm workers	3,005	3,072	3,252	3,064	2,978	2,933	2,873	2,948	3,024	2,865	2,784	2,852	2,873
Major industry and class of worker													
Agriculture:													
Wage and salary workers	1,237	1,318	1,428	1,326	1,325	1,338	1,224	1,256	1,350	1,265	1,304	1,324	1,331
Self-employed workers	1,758	1,798	1,857	1,748	1,733	1,677	1,711	1,739	1,724	1,687	1,604	1,661	1,670
Unpaid family workers	435	417	416	419	378	360	360	405	403	352	305	365	349
Nonagricultural industries:													
Wage and salary workers	75,173	75,936	76,269	76,437	76,570	76,028	74,934	74,953	75,590	75,755	76,989	78,022	78,481
Private households	1,550	1,542	1,463	1,420	1,385	1,301	1,330	1,394	1,345	1,322	1,265	1,353	1,416
Government	13,564	13,727	13,810	14,029	14,060	14,116	14,363	14,465	14,693	14,597	14,883	14,847	15,163
Other	60,059	60,667	60,996	60,988	61,125	60,611	59,241	59,094	59,552	59,836	60,841	61,822	61,902
Self-employed workers	5,444	5,455	5,464	5,677	5,706	5,684	5,530	5,612	5,633	5,735	5,657	5,681	5,675
Unpaid family workers	570	520	488	488	472	490	501	459	450	509	487	458	432
Persons at work¹													
Nonagricultural industries:													
Full-time schedules	63,935	64,018	64,230	64,203	64,444	63,450	62,081	61,952	62,024	63,232	64,307	64,505	64,982
Part-time for economic reasons	2,400	2,445	2,552	2,505	2,677	3,154	3,728	3,658	3,267	3,319	3,337	3,237	3,136
Usually work full time	1,187	1,155	1,228	1,173	1,251	1,599	1,912	1,716	1,457	1,399	1,318	1,369	1,298
Usually work part time	1,214	1,291	1,324	1,332	1,425	1,554	1,816	1,943	1,810	1,920	2,019	1,868	1,838
Part time for noneconomic reasons	10,235	10,667	10,530	10,372	10,625	10,482	10,436	10,635	10,807	10,551	10,714	10,914	11,230

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-52. Job desire of persons not in labor force by current activity, reasons for not seeking work, sex, and race, seasonally adjusted

[Numbers in thousands]

Characteristic	1973		1974				1975				1976		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
TOTAL													
Total not in labor force	57,338	57,185	57,094	57,532	57,579	57,941	58,454	58,341	58,506	59,165	59,418	59,030	58,883
Do not want job now	52,817	52,921	53,080	53,237	53,019	53,472	52,831	53,373	53,627	54,254	53,783	53,937	54,771
Current activity:													
Going to school	6,169	5,972	5,904	5,832	6,088	6,145	6,160	6,316	6,440	6,397	6,375	6,213	6,911
Ill, disabled	4,782	4,694	4,733	4,733	4,827	4,876	4,957	4,799	4,674	4,743	4,728	4,659	4,880
Keeping house	31,917	32,266	32,250	32,022	31,809	31,693	31,101	31,461	31,287	31,506	30,894	31,016	30,698
Retired	7,223	7,109	7,187	7,365	7,427	7,556	7,634	7,624	7,848	8,326	8,267	8,429	8,831
Other	2,726	2,880	3,006	3,284	2,868	3,202	2,979	3,174	3,377	3,282	3,519	3,620	3,451
Want a job now	4,336	4,373	4,247	4,453	4,551	4,695	5,221	5,142	5,270	5,301	5,408	5,534	4,267
Reason not looking:													
School attendance	1,096	1,160	1,131	1,188	1,316	1,235	1,458	1,400	1,485	1,559	1,438	1,540	1,136
Ill health, disability	594	674	654	604	695	646	660	644	658	720	732	781	477
Home responsibilities	1,088	967	974	1,070	1,022	1,014	1,199	1,095	1,053	1,100	1,240	1,278	1,002
Think cannot get job	663	686	649	641	625	839	1,059	1,116	1,160	997	937	905	817
Job-market factors	484	527	418	438	422	592	839	817	947	849	630	627	561
Personal factors	179	159	231	203	203	247	220	299	213	148	307	278	256
Other reasons ¹	895	887	840	951	893	961	844	888	913	925	1,060	1,030	834
Males													
Total not in labor force	14,653	14,554	14,457	14,850	15,063	15,112	15,669	15,580	15,647	16,113	16,536	16,260	16,250
Do not want job now	13,361	13,223	13,421	13,447	13,425	13,750	13,776	14,021	14,288	14,618	14,643	14,688	15,231
Want a job now	1,293	1,364	1,236	1,345	1,449	1,473	1,622	1,576	1,698	1,743	1,713	1,667	1,271
Reason not looking:													
School attendance	582	615	577	605	654	657	786	695	760	765	729	764	558
Ill health, disability	271	258	258	259	291	274	274	286	305	335	325	343	199
Think cannot get job	205	226	174	237	225	285	332	369	386	352	359	313	280
Other reasons ¹	235	266	226	243	278	257	230	226	247	291	300	248	234
Females													
Total not in labor force	42,686	42,630	42,638	42,683	42,517	42,829	42,787	42,762	42,859	43,053	42,883c	42,770	42,633
Do not want job now	39,456	39,699	39,660	39,790	39,594	39,723	39,056	39,353	39,338	39,635	39,139	39,249	39,541
Want a job now	3,043	3,009	3,011	3,109	3,102	3,222	3,599	3,566	3,572	3,558	3,694	3,867	2,996
Reason not looking:													
School attendance	514	545	553	583	662	578	672	705	725	794	708	777	578
Ill health, disability	323	416	395	344	404	372	386	358	353	385	408	438	279
Home responsibilities	1,088	967	974	1,070	1,022	1,014	1,199	1,095	1,053	1,100	1,240	1,278	1,002
Think cannot get job	458	460	474	404	400	554	727	746	774	645	578	592	537
Other reasons ¹	659	622	614	708	614	704	614	662	667	634	760	782	600
White													
Total not in labor force	50,734	50,489	50,409	50,705	50,667	50,859	51,298	51,192	51,246	51,729	52,017	51,670	51,412
Do not want job now	47,450	47,096	47,165	47,299	47,211	47,246	46,925	47,330	47,483	47,985	47,628	47,649	48,217
Want a job now	3,257	3,363	3,351	3,413	3,513	3,665	4,029	3,927	4,066	4,024	4,132	4,130	3,370
Reason not looking:													
School attendance	822	895	896	910	1,022	922	1,109	1,090	1,120	1,169	1,090	1,117	937
Ill health, disability	422	443	475	433	503	509	489	454	470	545	507	520	344
Home responsibilities	843	769	817	823	784	819	947	872	866	828	940	980	788
Think cannot get job	496	551	499	503	481	631	775	789	857	699	700	701	613
Other reasons ¹	674	705	664	745	723	783	708	722	753	782	894	818	688
Black and other													
Total not in labor force	6,611	6,630	6,700	6,886	6,928	7,019	7,148	7,197	7,246	7,349	7,390	7,418	7,468
Do not want job now	5,528	5,656	5,791	5,873	5,930	6,018	5,877	5,998	6,114	6,132	6,049	6,073	6,591
Want a job now	1,080	1,017	882	1,003	1,046	1,024	1,172	1,173	1,212	1,288	1,260	1,361	920
Reason not looking:													
School attendance	253	255	224	287	282	299	335	316	336	369	339	430	201
Ill health, disability	174	244	172	162	189	142	171	177	191	194	226	249	134
Home responsibilities	272	228	194	253	269	218	279	238	225	302	315	298	241
Think cannot get job	183	144	147	137	160	204	274	310	332	311	226	209	223
Other reasons ¹	198	146	145	163	147	162	114	132	127	112	154	174	120

¹ Includes small number of men not looking for work because of home responsibilities.
c = corrected.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-53. Job desire of persons not in labor force and reasons for not seeking work by age and sex

(In thousands)

Reasons for not seeking work	Total		Age in years								
			16-19		20-24		25-59		60 and over		
	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976	
Total											
Total not in labor force	57,628	57,941	6,381	6,338	4,359	4,318	23,709	23,399	23,180	23,885	
Do not want a job now	52,701	53,865	5,222	5,402	3,528	3,719	21,234	21,247	22,717	23,494	
Current activity:											
Going to school	3,386	3,711	2,168	2,360	826	898	384	448	12	6	
Ill, disabled	4,763	4,968	67	67	107	136	2,209	2,494	2,380	2,271	
Keeping house	31,549	30,954	797	729	1,992	2,058	16,727	16,197	12,032	11,971	
Retired	7,904	8,889	--	--	--	--	171	181	7,733	8,708	
Other	5,100	5,341	2,190	2,247	606	628	1,743	1,929	560	537	
Want a job now	4,927	4,076	1,159	936	828	599	2,475	2,152	463	391	
Reason not looking:											
School attendance	727	619	469	399	153	124	105	95	--	2	
Ill health, disability	690	495	29	21	59	32	449	317	153	126	
Home responsibilities	1,239	1,167	94	74	245	199	872	870	28	24	
Think cannot get job	1,169	799	278	188	187	90	531	391	171	130	
Job-market factors	937	544	49	129	172	73	448	292	83	50	
Personal factors	232	254	229	60	14	18	86	100	88	78	
Other reasons ¹	1,101	996	288	254	183	154	517	479	111	109	
Males											
Total not in labor force	14,870	15,371	2,642	2,662	1,080	1,078	2,784	2,934	8,362	8,695	
Do not want a job now	13,479	14,309	2,133	2,294	840	903	2,364	2,591	8,140	8,518	
Current activity:											
Going to school	1,728	1,886	1,053	1,177	467	485	205	223	2	--	
Ill, disabled	2,542	2,626	18	36	68	78	1,192	1,329	1,262	1,184	
Keeping house	219	215	16	14	5	--	61	66	136	132	
Retired	6,458	6,953	--	--	--	--	143	162	6,315	6,793	
Other	2,532	2,628	1,044	1,068	301	339	762	811	426	409	
Want a job now	1,391	1,062	509	368	240	175	420	343	222	177	
Reason not looking:											
School attendance	360	293	243	184	74	71	43	36	--	2	
Ill health, disability	333	217	23	4	40	20	185	133	86	60	
Think cannot get job	397	272	138	90	68	38	97	89	95	54	
Other reasons ¹	301	280	105	90	58	46	95	85	41	61	
Females											
Total not in labor force	42,758	42,570	3,739	3,676	3,278	3,240	20,925	20,466	14,817	15,189	
Do not want a job now	39,223	39,557	3,089	3,106	2,689	2,815	18,870	18,660	14,575	14,977	
Current activity:											
Going to school	1,658	1,825	1,114	1,184	357	410	175	225	10	6	
Ill, disabled	2,221	2,342	48	30	39	58	1,019	1,166	1,117	1,088	
Keeping house	31,331	30,740	781	713	1,988	2,058	16,667	16,131	11,897	11,839	
Retired	1,445	1,936	--	--	--	--	27	19	1,418	1,916	
Other	2,568	2,713	1,146	1,178	305	289	982	1,118	134	128	
Want a job now	3,536	3,013	650	570	589	425	2,054	1,806	242	212	
Reason not looking:											
School attendance	367	326	226	214	80	54	63	59	--	--	
Ill health, disability	357	278	6	18	19	12	262	183	68	65	
Home responsibilities	1,239	1,167	94	74	245	199	872	870	28	24	
Think cannot get job	772	526	141	98	119	51	436	302	76	75	
Other reasons ¹	801	716	183	166	127	109	421	392	70	48	

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

HOUSEHOLD DATA QUARTERLY AVERAGES

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

(In thousands)

Reasons for not seeking work	Total		Age in years						Males		Females	
			16-24		25-59		60 and over		1975	1976	1975	1976
	1975	1976	1975	1976	1975	1976	1975	1976					1975	1976
WHITE												
Total not in labor force	50,606	50,683	8,650	8,487	20,917	20,541	21,039	21,654	12,724	13,059	37,882	37,624
Do not want a job now	46,788	47,488	7,212	7,353	18,933	18,799	20,641	21,339	11,675	12,253	35,113	35,235
Current activity:												
Going to school	2,700	2,922	2,385	2,546	300	371	12	6	1,381	1,483	1,319	1,439
Ill, disabled	3,886	3,911	148	163	1,789	1,933	1,945	1,814	2,075	2,085	1,811	1,826
Keeping house	28,631	28,156	2,395	2,376	15,180	14,724	11,057	11,058	182	182	28,449	27,974
Retired	7,278	8,124	--	--	157	165	7,121	7,959	5,945	6,394	1,333	1,730
Other	4,293	4,375	2,284	2,268	1,504	1,606	504	502	2,091	2,109	2,202	2,266
Want a job now	3,818	3,194	1,433	1,132	1,984	1,742	398	315	1,049	805	2,769	2,389
Reason not looking:												
School attendance	534	484	451	407	84	76	--	2	252	228	282	256
Ill health, disability	487	357	68	46	301	232	121	78	249	161	238	196
Home responsibilities ¹	1,015	930	226	175	791	733	35	21	--	--	1,015	930
Think cannot get job	832	574	317	176	373	277	140	119	286	188	546	386
Other reasons	950	849	371	328	435	424	102	95	262	228	688	621
BLACK AND OTHER												
Total not in labor force	7,022	7,257	2,090	2,170	2,793	2,858	2,141	2,230	2,146	2,311	4,876	4,946
Do not want a job now	5,914	6,374	1,537	1,767	2,304	2,445	2,075	2,159	1,804	2,053	4,110	4,321
Current activity:												
Going to school	686	789	606	712	82	76	--	--	347	403	339	386
Ill, disabled	878	1,057	25	38	421	560	432	459	467	540	411	517
Keeping house	2,919	2,797	393	410	1,550	1,472	976	915	37	32	2,882	2,765
Retired	625	765	--	--	15	16	612	749	513	559	112	206
Other	807	966	514	607	238	322	56	36	441	519	366	447
Want a job now	1,108	884	553	401	489	410	66	72	342	258	766	626
Reason not looking:												
School attendance	193	135	171	116	21	19	--	--	108	65	85	70
Ill health, disability	202	138	20	8	148	85	34	46	84	56	118	82
Home responsibilities ¹	224	238	120	98	106	138	--	3	--	--	224	238
Think cannot get job	337	225	148	100	159	114	30	10	111	84	226	141
Other reasons	152	148	94	79	55	54	2	13	39	53	113	95

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

A-55. Persons not in labor force who desire work but think they cannot get jobs by age, race, sex, and detailed reason

(In thousands)

3rd Quarter 1976

Detailed reason for not seeking work	Total	Age in years				Race	
		16-19	20-24	25-59	60 and over	White	Black and other
TOTAL							
Personal factors:							
Employers think too young or old	123	36	--	23	63	102	21
Lacks education or training	85	12	13	55	6	58	27
Other personal handicap	46	12	5	22	9	34	13
Job-market factors:							
Could not find job	301	91	42	145	23	193	108
Thinks no job available	243	38	31	147	27	187	56
Males							
Personal factors:							
Employers think too young or old	50	10	--	7	33	41	9
Lacks education or training	34	4	9	12	--	7	17
Other personal handicap	17	6	3	4	4	13	4
Job-market factors:							
Could not find job	119	48	20	43	7	78	41
Thinks no job available	63	22	7	23	10	50	13
Females							
Personal factors:							
Employers think too young or old	73	26	--	16	31	61	12
Lacks education or training	61	8	4	42	6	51	10
Other personal handicap	30	7	2	16	4	21	9
Job-market factors:							
Could not find job	183	43	21	102	16	115	67
Thinks no job available	180	15	23	124	17	137	43

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-56. Most recent work experience of persons not in labor force and reason for leaving last job for those who worked during previous 12 months by age, race, and sex

(Numbers in thousands)

Most recent work experience and reason for leaving job	Total		Age in years						White		Black and other	
			16-24		25-59		60 and over		1975	1976	1975	1976
	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976				
Total, not in labor force	57,628	57,941	10,740	10,656	23,709	23,399	23,180	23,885	50,606	50,682	7,022	7,257
Never worked	9,331	9,358	4,431	4,425	2,371	2,296	2,530	2,638	7,833	7,619	1,498	1,739
Last worked over 5 years ago	28,118	28,493	353	320	12,346	12,197	15,419	15,976	25,163	25,546	2,955	2,948
Last worked 1 to 5 years ago	10,950	11,286	1,833	1,951	5,317	5,367	3,800	3,967	9,645	9,836	1,305	1,450
Left job during previous 12 months	9,228	8,802	4,123	3,960	3,675	3,539	1,431	1,303	7,963	7,681	1,265	1,121
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	41.5	40.9	57.4	57.9	37.0	35.2	7.1	5.0	41.8	42.1	39.2	33.1
Ill health, disability	9.2	9.6	2.1	2.4	14.1	15.5	17.2	15.8	8.7	9.1	12.2	12.9
Retirement, old age	8.4	9.6	--	--	3.3	3.3	45.5	55.8	8.9	9.7	5.1	9.0
Economic reasons	22.6	20.1	20.4	20.6	26.6	21.2	18.4	15.5	22.3	19.4	24.4	25.1
End of seasonal job	8.2	8.5	8.1	9.5	9.1	8.6	5.9	5.0	7.9	8.3	10.0	9.6
Slack work	8.0	5.1	6.8	4.6	10.3	6.0	6.2	4.0	7.9	4.9	8.5	6.5
End of temporary job	6.4	6.5	5.8	6.4	7.2	6.6	6.2	6.4	6.5	6.2	5.8	8.9
All other reasons	18.3	19.7	20.1	19.1	19.0	24.8	11.7	7.9	18.2	19.7	19.2	20.0
Males, not in labor force	14,870	15,370	3,722	3,740	2,784	2,934	8,362	8,695	12,724	13,059	2,146	2,311
Never worked	1,843	1,883	1,630	1,623	197	213	15	47	1,387	1,371	456	512
Last worked over 5 years ago	6,295	6,618	39	27	872	994	5,383	5,598	5,513	5,807	782	811
Last worked 1 to 5 years ago	3,451	3,685	319	394	976	1,040	2,156	2,252	3,022	3,224	429	460
Left job during previous 12 months	3,280	3,185	1,734	1,698	737	687	808	799	2,800	2,657	480	528
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	34.5	33.3	56.3	53.7	16.7	19.1	3.7	2.3	34.4	33.8	35.0	30.8
Ill health, disability	13.4	13.0	2.8	3.3	31.6	33.9	19.6	15.5	13.0	12.5	15.2	15.1
Retirement, old age	15.1	17.5	--	--	9.6	9.5	52.5	61.3	16.0	18.4	10.4	12.9
Economic reasons	19.6	18.9	22.0	22.4	18.7	16.6	15.2	13.5	19.0	18.3	22.5	22.0
End of seasonal job	6.3	7.8	8.5	10.4	3.7	5.5	4.0	4.4	6.0	8.0	7.5	6.6
Slack work	8.8	5.8	8.5	6.2	11.9	7.7	6.3	3.3	8.4	5.3	10.6	8.3
End of temporary job	4.6	5.3	5.0	5.8	3.3	3.3	4.9	5.8	4.6	4.9	4.4	7.0
All other reasons	17.4	17.4	18.9	20.6	23.2	20.8	9.0	7.5	17.5	17.0	16.9	19.3
Females, not in labor force	42,758	42,570	7,017	6,916	20,925	20,464	14,817	15,189	37,882	37,623	4,876	4,946
Never worked	7,488	7,475	2,801	2,802	2,173	2,083	2,515	2,591	6,446	6,248	1,042	1,227
Last worked over 5 years ago	21,823	21,875	314	294	11,474	11,204	10,035	10,379	19,650	19,739	2,173	2,137
Last worked 1 to 5 years ago	7,498	7,602	1,514	1,558	4,340	4,328	1,645	1,717	6,623	6,612	876	990
Left job during previous 12 months	5,948	5,617	2,388	2,262	2,937	2,852	622	502	5,163	5,024	785	593
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	45.3	45.2	58.2	61.0	42.1	39.1	11.4	9.3	45.9	46.4	41.7	35.1
Ill health, disability	6.9	7.7	1.6	1.7	9.7	11.0	14.1	16.5	6.4	7.3	10.3	11.0
Retirement, old age	4.8	5.1	--	--	1.8	1.8	36.5	47.0	5.1	5.1	1.8	5.6
Economic reasons	24.2	20.8	19.3	19.3	28.6	22.4	22.7	18.7	24.0	20.0	25.7	27.9
End of seasonal job	9.2	8.9	7.8	9.0	10.5	9.4	8.5	6.0	8.9	8.5	11.6	12.3
Slack work	7.5	4.7	5.0	3.5	9.9	5.6	6.3	5.2	7.6	4.6	7.3	4.9
End of temporary job	7.4	7.2	6.4	6.9	8.2	7.4	8.0	7.8	7.6	6.8	6.7	10.6
All other reasons	18.8	21.1	21.0	18.0	17.9	25.7	15.3	8.6	18.6	21.2	20.6	20.4

A-57. Work-seeking intentions of persons not in labor force and work history of those who intend to seek work within next 12 months by age, race, and sex

(In thousands)

Work-seeking intentions and work history	Total		Age in years						White		Black and other	
			16-24		25-59		60 and over		1975	1976	1975	1976
	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976				
Total	49,459	50,945	6,382	7,062	20,368	20,414	22,710	23,469	43,996	44,889	5,463	6,057
Intend to seek work in the next 12 months	8,169	6,995	4,358	3,594	3,341	2,984	470	415	6,610	5,794	1,559	1,201
Never worked	1,352	1,028	1,248	927	92	95	11	7	1,021	834	331	194
Last worked over 5 years ago	1,042	924	37	35	927	794	78	95	888	780	154	145
Last worked 1 to 5 years ago	1,815	1,772	665	611	961	992	189	168	1,412	1,362	402	410
Worked during previous 12 months	3,960	3,270	2,410	2,022	1,358	1,102	192	145	3,288	2,818	672	453
Males	12,258	13,196	1,872	2,259	2,263	2,427	8,121	8,510	10,576	11,292	1,681	1,904
Intend to seek work in the next 12 months	2,612	2,175	1,850	1,482	521	507	241	186	2,148	1,767	465	408
Never worked	549	357	529	345	20	12	--	--	405	293	145	64
Last worked over 5 years ago	97	98	--	8	66	64	32	26	75	83	23	15
Last worked 1 to 5 years ago	435	411	188	163	150	165	98	81	348	306	87	105
Worked during previous 12 months	1,530	1,309	1,134	964	286	266	111	78	1,320	1,085	210	224
Females	37,202	37,750	4,509	4,802	18,107	17,988	14,588	14,960	33,420	33,597	3,782	4,153
Intend to seek work in the next 12 months	5,556	4,820	2,508	2,112	2,818	2,478	229	229	4,462	4,027	1,094	793
Never worked	802	671	719	581	72	83	11	7	616	541	186	130
Last worked over 5 years ago	945	827	37	27	861	730	46	69	813	697	131	130
Last worked 1 to 5 years ago	1,379	1,361	477	446	812	827	91	87	1,064	1,056	315	305
Worked during previous 12 months	2,430	1,961	1,276	1,058	1,073	838	81	66	1,968	1,733	462	229

HOUSEHOLD DATA QUARTERLY AVERAGES

A-58. Employment status of the civilian noninstitutional population and the white, black, and Spanish origin components by sex and age

[Numbers in thousands]

Employment status	Total		White		Black ¹		Spanish origin ²	
	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976
TOTAL								
Civilian noninstitutional population	151,640	154,224	133,764	135,823	15,588	15,991	6,702	6,950
Civilian labor force	93,988	96,283	83,158	85,141	9,348	9,591	4,153	4,293
Percent of population	62.0	62.4	62.2	62.7	60.0	60.0	62.0	61.8
Employment	86,178	88,975	76,877	79,304	7,956	8,248	3,664	3,786
Agriculture	3,867	3,723	3,523	3,412	292	262	239	238
Nonagricultural industries	82,311	85,251	73,353	75,892	7,664	7,986	3,425	3,548
Unemployment	7,809	7,309	6,282	5,836	1,392	1,343	490	507
Unemployment rate	8.3	7.6	7.6	6.9	14.9	14.0	11.8	11.8
Not in labor force	57,652	57,941	50,606	50,683	6,239	6,399	2,549	2,656
Males, 20 years and over								
Civilian noninstitutional population	63,510	64,690	56,617	57,587	5,972	6,114	2,677	2,780
Civilian labor force	51,283	51,982	45,957	46,589	4,582	4,608	2,310	2,340
Percent of population	80.7	80.4	81.2	80.9	76.7	75.4	86.3	84.2
Employment	48,083	49,207	43,354	44,323	4,042	4,141	2,098	2,121
Agriculture	2,576	2,511	2,356	2,294	189	181	169	155
Nonagricultural industries	45,507	46,696	40,998	42,030	3,853	3,960	1,929	1,965
Unemployment	3,200	2,775	2,603	2,266	540	467	212	219
Unemployment rate	6.2	5.3	5.7	4.9	11.8	10.1	9.2	9.4
Not in labor force	12,228	12,708	10,661	10,998	1,391	1,505	366	440
Females, 20 years and over								
Civilian noninstitutional population	71,831	73,080	63,271	64,264	7,451	7,638	3,104	3,197
Civilian labor force	32,787	34,185	28,410	29,551	3,791	3,989	1,364	1,432
Percent of population	45.6	46.8	44.9	46.0	50.9	52.2	43.9	44.8
Employment	30,069	31,452	26,236	27,387	3,299	3,483	1,211	1,276
Agriculture	625	608	566	566	48	36	30	43
Nonagricultural industries	29,443	30,844	25,669	26,821	3,251	3,447	1,182	1,232
Unemployment	2,719	2,733	2,174	2,164	492	506	153	157
Unemployment rate	8.3	8.0	7.7	7.3	13.0	12.7	11.2	10.9
Not in labor force	39,044	38,895	34,861	34,713	3,600	3,649	1,741	1,765
Both sexes, 16-19 years								
Civilian noninstitutional population	16,298	16,454	13,876	13,973	2,164	2,239	921	973
Civilian labor force	9,918	10,116	8,792	9,000	976	994	480	521
Percent of population	60.9	61.5	63.4	64.4	45.1	44.4	52.1	53.5
Employment	8,027	8,315	7,287	7,594	616	623	354	390
Agriculture	667	604	601	553	56	45	40	39
Nonagricultural industries	7,360	7,711	6,686	7,041	560	579	314	351
Unemployment	1,891	1,801	1,504	1,406	360	370	125	131
Unemployment rate	19.1	17.8	17.1	15.6	36.9	37.3	26.1	25.1
Not in labor force	6,381	6,338	5,084	4,972	1,189	1,246	442	452

¹ According to the 1970 Census, black workers comprised about 89 percent of the "black and other" population group.

means that they are also included in the data for white and black workers. At the time of the 1970 Census, approximately 96 percent of their population was white.

² Data on persons of Spanish origin are tabulated separately, without regard to race, which

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-59. Employment status of male Vietnam-Era veterans and nonveterans 20 to 34 years of age

[Numbers in thousands]

Employment status	Not seasonally adjusted		Seasonally adjusted								
			1974		1975				1976		
	III 1975	III 1976	III	IV	I	II	III	IV	I	II	III
VETERANS¹											
Total, 20 to 34 years:											
Civilian noninstitutional population ²	6,488	6,710	6,204	6,311	6,373	6,423	6,488	6,584	6,640	6,668	6,710
Civilian labor force	6,106	6,336	5,848	5,968	5,959	6,029	6,108	6,202	6,221	6,316	6,336
Employed	5,594	5,882	5,541	5,566	5,448	5,461	5,522	5,575	5,745	5,837	5,807
Unemployed	512	454	307	402	510	569	586	627	476	479	529
Unemployment rate	8.4	7.2	5.3	6.7	8.6	9.4	9.6	10.1	7.7	7.6	8.3
20 to 24 years											
Civilian noninstitutional population ²	1,146	1,071	1,347	1,306	1,239	1,187	1,146	1,128	1,101	1,088	1,071
Civilian labor force	1,009	938	1,201	1,168	1,065	1,037	1,010	973	921	949	938
Employed	839	785	1,063	1,005	877	823	818	754	760	794 ^c	765
Unemployed	170	153	138	163	188	214	192	219	161	155	173
Unemployment rate	16.8	16.3	11.5	14.0	17.7	20.7	19.0	22.5	17.5	16.3	18.4
25 to 29 years											
Civilian noninstitutional population ²	3,471	3,250	3,448	3,488	3,505	3,486	3,471	3,463	3,421	3,328	3,250
Civilian labor force	3,288	3,064	3,277	3,330	3,314	3,286	3,278	3,304	3,245	3,160	3,054
Employed	3,034	2,862	3,144	3,139	3,077	3,042	3,005	3,003	3,019	2,942	2,834
Unemployed	254	202	133	190	237	243	274	301	225	218	220
Unemployment rate	7.7	6.6	4.1	5.7	7.2	7.4	8.3	9.1	6.9	6.9	7.2
30 to 34 years											
Civilian noninstitutional population ²	1,871	2,389	1,409	1,516	1,629	1,750	1,871	1,993	2,118	2,252	2,389
Civilian labor force	1,809	2,334	1,370	1,471	1,579	1,707	1,820	1,925	2,055	2,207	2,343
Employed	1,721	2,235	1,333	1,422	1,495	1,596	1,699	1,818	1,965	2,101	2,207
Unemployed	88	99	37	49	85	111	121	107	90	106	136
Unemployment rate	4.9	4.2	2.7	3.3	5.4	6.5	6.6	5.6	4.4	4.8	5.8
NONVETERANS											
Total, 20 to 34 years:											
Civilian noninstitutional population ²	16,006	16,849	15,102	15,301	15,544	15,767	16,006	16,200	16,419	16,640	16,849
Civilian labor force	14,668	15,487	13,653	13,899	14,024	14,199	14,417	14,518	14,730	15,019	15,197
Employed	13,281	14,281	12,843	12,834	12,705	12,768	12,926	13,094	13,482	13,837	13,897
Unemployed	1,387	1,206	810	1,065	1,319	1,432	1,491	1,424	1,248	1,182	1,300
Unemployment rate	9.5	7.8	5.9	7.7	9.4	10.1	10.3	9.8	8.5	7.9	8.6
20 to 24 years											
Civilian noninstitutional population ²	7,639	7,951	7,121	7,242	7,400	7,526	7,639	7,724	7,819	7,885	7,951
Civilian labor force	6,696	7,006	6,032	6,186	6,299	6,352	6,432	6,454	6,631	6,708	6,710
Employed	5,817	6,306	5,525	5,566	5,492	5,482	5,516	5,600	5,862	5,990	5,981
Unemployed	879	700	506	620	807	870	916	854	769	718	730
Unemployment rate	13.1	10.2	8.4	10.0	12.8	13.7	14.2	13.2	11.6	10.7	10.9
25 to 29 years											
Civilian noninstitutional population ²	4,493	5,120	4,122	4,183	4,262	4,368	4,493	4,626	4,775	4,972	5,120
Civilian labor force	4,249	4,853	3,897	3,971	4,038	4,134	4,252	4,354	4,479	4,683	4,852
Employed	3,926	4,515	3,729	3,700	3,718	3,794	3,889	4,021	4,182	4,396	4,473
Unemployed	323	338	168	271	320	340	363	333	297	287	379
Unemployment rate	7.6	7.0	4.3	6.8	7.9	8.2	8.5	7.7	6.6	6.1	7.8
30 to 34 years											
Civilian noninstitutional population ²	3,874	3,778	3,860	3,877	3,882	3,874	3,874	3,851	3,825	3,783	3,778
Civilian labor force	3,723	3,628	3,724	3,743	3,686	3,713	3,733	3,710	3,621	3,629	3,634
Employed	3,538	3,460	3,588	3,568	3,494	3,492	3,520	3,473	3,439	3,451	3,443
Unemployed	185	168	136	175	192	222	212	237	182	178	191
Unemployment rate	5.0	4.6	3.6	4.7	5.2	6.0	5.7	6.4	5.0	4.9	5.3

¹ Vietnam-era veterans are those who served between August 5, 1964, and April 30, 1975.

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

c = corrected.

HOUSEHOLD DATA QUARTERLY AVERAGES

A-60. Employment status of male Vietnam-Era veterans and nonveterans 20 to 34 years by age and race

[Numbers in thousands]

Employment status	Veterans ¹						Nonveterans					
	White			Black and other			White			Black and other		
	III 1975	II 1976	III 1976	III 1975	II 1976	III 1976	III 1975	II 1976	III 1976	III 1975	II 1976	III 1976
Total, 20 to 34 years:												
Civilian noninstitutional population	5,844	5,987	5,989	644	681	721	13,930	14,482	14,709	2,076	2,158	2,140
Civilian labor force	5,527	5,695	5,693	579	606	643	12,859	13,184	13,660	1,809	1,842	1,827
Employed	5,095	5,309	5,322	499	511	560	11,790	12,212	12,702	1,491	1,602	1,579
Unemployed	432	386	371	80	95	83	1,069	972	958	318	240	248
Unemployment rate	7.8	6.8	6.5	13.8	15.7	12.9	8.3	7.4	7.0	17.6	13.0	13.6
20 to 24 years												
Civilian noninstitutional population	1,003	925	899	143	163	172	6,668	6,895	6,959	971	990	992
Civilian labor force	900	816	811	109	130	127	5,907	5,941	6,215	789	792	791
Employed	756	698	691	83	94	94	5,220	5,338	5,655	597	645	651
Unemployed	144	118	120	26	36	33	687	603	560	192	147	140
Unemployment rate	16.0	14.5	14.8	23.9	27.7	26.0	11.6	10.1	9.0	24.3	18.6	17.7
25 to 29 years												
Civilian noninstitutional population	3,148	3,013	2,927	323	315	323	3,913	4,335	4,478	580	637	642
Civilian labor force	2,985	2,875	2,764	303	283	300	3,722	4,104	4,286	527	565	567
Employed	2,766	2,683	2,593	268	251	269	3,472	2,877	4,020	454	508	495
Unemployed	219	192	171	35	32	31	250	227	266	73	57	72
Unemployment rate	7.3	6.7	6.2	11.6	11.3	10.3	6.7	5.5	6.2	13.9	10.1	12.7
30 to 34 years												
Civilian noninstitutional population	1,693	2,049	2,163	178	203	226	3,349	3,252	3,272	525	531	506
Civilian labor force	1,642	2,004	2,118	167	193	216	3,230	3,139	3,159	493	485	469
Employed	1,573	1,928	2,038	148	166	197	3,098	2,997	3,027	440	449	433
Unemployed	69	76	80	19	27	19	132	142	132	53	36	36
Unemployment rate	4.2	3.8	3.8	11.4	14.0	8.8	4.1	4.5	4.2	10.8	7.4	7.7

¹ See footnote 1, table A-59.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-61. Employment status of the population in metropolitan and nonmetropolitan areas by sex, age, and race

(Numbers in thousands)

Employment status	Metropolitan areas						Nonmetropolitan area					
	Total		Central cities		Suburbs		Total		Farm		Nonfarm	
	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976
Total												
Civilian noninstitutional population	103,428	105,153	45,055	45,254	58,373	59,899	48,212	49,071	5,139	4,802	43,073	44,269
Civilian labor force	64,877	66,429	27,393	27,666	37,484	38,763	29,110	29,855	3,277	3,113	25,833	26,742
Percent of population	62.7	63.2	60.8	61.1	64.2	64.7	60.4	60.8	63.8	64.8	60.0	60.4
Employed	59,258	61,127	24,761	25,103	34,497	36,024	26,921	27,847	3,184	3,040	23,737	24,807
Unemployed	5,620	5,302	2,633	2,562	2,987	2,740	2,189	2,007	93	73	2,096	1,934
Unemployment rate	8.7	8.0	9.6	9.3	8.0	7.1	7.5	6.7	2.8	2.3	8.1	7.2
Not in labor force	38,551	38,724	17,662	17,589	20,889	21,135	19,102	19,217	1,862	1,688	17,240	17,529
Males, 20 years and over												
Civilian noninstitutional population	43,198	43,933	18,451	18,574	24,747	25,359	20,312	20,757	2,327	2,189	17,985	18,568
Civilian labor force	35,269	35,762	14,527	14,570	20,742	21,192	16,014	16,220	1,995	1,867	14,019	14,353
Percent of population	81.6	81.4	78.7	78.4	83.8	83.6	78.8	78.1	85.7	85.3	77.9	77.3
Employed	32,865	33,693	13,381	13,513	19,484	20,180	15,218	15,514	1,971	1,843	13,247	13,671
Unemployed	2,404	2,069	1,147	1,056	1,257	1,013	795	706	24	24	771	682
Unemployment rate	6.8	5.8	7.9	7.2	6.1	4.8	5.0	4.4	1.2	1.3	5.5	4.8
Not in labor force	7,929	8,171	3,924	4,004	4,005	4,167	4,298	4,537	332	323	3,966	4,214
Females, 20 years and over												
Civilian noninstitutional population	49,243	49,986	22,072	22,152	21,171	27,834	22,588	23,094	2,165	2,045	20,423	21,049
Civilian labor force	22,952	23,813	10,348	10,561	12,604	13,252	9,836	10,372	846	863	8,990	9,509
Percent of population	46.6	47.6	46.9	47.7	46.4	47.6	43.5	44.9	39.1	42.2	44.0	45.2
Employed	21,077	21,883	9,470	9,656	11,607	12,227	8,992	9,570	809	832	8,183	8,738
Unemployed	1,875	1,931	879	904	996	1,027	844	802	37	31	807	771
Unemployment rate	8.2	8.1	8.5	8.6	7.9	7.7	8.6	7.7	4.3	3.6	9.0	8.1
Not in labor force	26,291	26,172	11,724	11,591	14,567	14,581	12,753	12,722	1,320	1,182	11,433	11,540
Both sexes, 16-19 years												
Civilian noninstitutional population	10,987	11,234	4,532	4,529	6,455	6,705	5,312	5,220	647	568	4,665	4,652
Civilian labor force	6,657	6,854	2,519	2,535	4,138	4,319	3,261	3,262	436	384	2,825	2,878
Percent of population	60.6	61.0	55.6	56.0	64.1	64.4	61.4	62.5	67.5	67.6	60.6	61.9
Employed	5,316	5,552	1,910	1,933	3,406	3,619	2,711	2,763	404	366	2,307	2,397
Unemployed	1,341	1,302	607	603	734	699	550	499	33	18	517	481
Unemployment rate	20.1	19.0	24.1	23.8	17.7	16.2	16.9	15.3	7.5	4.7	18.3	16.7
Not in labor force	4,330	4,380	2,014	1,994	2,316	2,386	2,051	1,958	210	184	1,841	1,774
White												
Civilian noninstitutional population	89,633	91,058	34,781	34,904	54,852	56,154	44,131	44,765	4,784	4,518	39,347	40,247
Civilian labor force	56,472	57,801	21,273	21,515	35,199	36,286	26,686	27,339	3,069	2,960	23,617	24,379
Percent of population	63.0	63.5	61.2	61.6	64.2	64.6	60.5	61.1	64.1	65.5	60.0	60.6
Employed	52,059	53,636	19,518	19,796	32,541	33,840	24,817	25,668	2,980	2,895	21,831	22,773
Unemployed	4,413	4,165	1,755	1,720	2,658	2,445	1,869	1,671	82	65	1,787	1,606
Unemployment rate	7.8	7.2	8.2	8.0	7.6	6.7	7.0	6.1	2.7	2.2	7.6	6.6
Not in labor force	33,160	33,257	13,508	13,389	19,652	19,868	17,445	17,426	1,715	1,559	15,730	15,867
Black and other												
Civilian noninstitutional population	13,795	14,094	10,273	10,351	3,522	3,743	4,081	4,306	355	283	3,726	4,023
Civilian labor force	8,405	8,627	6,121	6,151	2,284	2,476	2,424	2,515	209	154	2,215	2,361
Percent of population	60.9	61.2	59.6	59.4	64.8	66.2	59.4	58.4	58.7	54.2	59.4	58.7
Employed	7,198	7,491	5,242	5,308	1,956	2,183	2,104	2,179	198	145	1,906	2,034
Unemployed	1,207	1,137	879	843	328	294	321	336	11	8	310	328
Unemployment rate	14.4	13.2	14.4	13.7	14.4	11.9	13.2	13.3	5.2	5.4	14.0	13.9
Not in labor force	5,390	5,467	4,153	4,200	1,237	1,267	1,656	1,791	147	130	1,509	1,661

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

Corrected data for 2nd quarter 1976

A-62. Employment status of the population in poverty and nonpoverty areas by race

(Number in thousands)

Employment status	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	II 1975	II 1976c	II 1975	II 1976c	II 1975	II 1976c	II 1975	II 1976c	II 1975	II 1976c	II 1975	II 1976c
Total												
Civilian noninstitutional population	28,935	29,107	121,937	124,469	11,740	11,755	91,404	93,120	17,195	17,352	30,533	31,349
Civilian labor force	15,831	15,774	76,553	78,616	6,255	6,132	57,881	59,449	9,575	9,641	18,672	19,167
Percent of population	54.7	54.2	62.8	63.2	53.3	52.2	63.3	63.8	55.7	55.6	61.2	61.1
Employed	14,131	14,316	70,249	73,124	5,366	5,302	53,098	55,203	8,764	9,014	17,151	17,921
Unemployed	1,700	1,457	6,304	5,492	889	830	4,783	4,247	811	627	1,521	1,246
Unemployment rate	10.7	9.2	8.2	7.0	14.2	13.5	8.3	7.1	8.5	6.5	8.1	6.5
Not in labor force	13,104	13,333	45,384	45,853	5,485	5,623	33,523	33,671	7,619	7,710	11,861	12,182
White												
Civilian noninstitutional population	20,414	20,528	112,806	114,775	6,008	6,112	83,487	84,718	14,406	14,416	29,319	30,057
Civilian labor force	11,358	11,368	70,581	72,184	3,311	3,268	52,673	53,839	8,047	8,100	17,908	18,345
Percent of population	55.6	55.4	62.6	62.9	55.1	53.5	63.1	63.6	55.9	56.2	61.1	61.0
Employed	10,394	10,593	65,024	67,411	2,925	2,932	48,506	50,203	7,470	7,660	16,518	17,208
Unemployed	964	775	5,557	4,773	386	336	4,167	3,636	578	440	1,390	1,137
Unemployment rate	8.5	6.8	7.9	6.6	11.7	10.3	7.9	6.8	7.2	5.4	7.8	6.2
Not in labor force	9,056	9,160	42,224	42,591	2,697	2,844	30,814	30,879	6,359	6,316	11,411	11,712
Black and other												
Civilian noninstitutional population	8,521	8,579	9,131	9,694	5,733	5,643	7,917	8,402	2,789	2,935	1,214	1,292
Civilian labor force	4,473	4,406	5,972	6,432	2,945	2,864	5,208	5,610	1,528	1,541	763	822
Percent of population	52.5	51.4	65.4	66.4	51.4	50.8	65.8	66.8	54.8	52.5	62.9	63.6
Employed	3,737	3,724	5,225	5,713	2,442	2,370	4,592	4,999	1,295	1,354	633	713
Unemployed	736	682	747	720	503	494	616	611	233	188	131	109
Unemployment rate	16.5	15.5	12.5	11.2	17.1	17.2	11.8	10.9	15.3	12.2	17.1	13.2
Not in labor force	4,049	4,173	3,159	3,262	2,788	2,779	2,709	2,792	1,261	1,394	450	470

c=corrected.

Corrected data for 2nd quarter 1976

A-63. Unemployment rates for selected labor force groups in poverty and nonpoverty areas by sex, age, and race

Sex, age, and race	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	II 1975	II 1976c	II 1975	II 1976c	II 1975	II 1976c	II 1975	II 1976c	II 1975	II 1976c	II 1975	II 1976c
Total												
Both sexes, 16 years and over	10.7	9.2	8.2	7.0	14.2	13.5	8.3	7.1	8.5	6.5	8.1	6.5
Males, 20 years and over	8.8	7.1	6.6	5.4	12.7	11.7	6.7	5.6	6.5	4.3	6.3	4.7
Females, 20 years and over	9.2	8.1	7.8	6.6	10.3	10.2	7.7	6.5	8.4	6.6	8.3	6.8
Both sexes, 16-19 years	27.4	25.5	19.3	17.9	39.0	36.3	19.7	18.7	20.2	18.7	17.9	15.4
White												
Both sexes, 16 years and over	8.5	6.8	7.9	6.6	11.7	10.3	7.9	6.8	7.2	5.4	7.8	6.2
Males, 20 years and over	7.0	5.5	6.3	5.1	10.5	9.4	6.4	5.3	5.5	3.9	6.1	4.5
Females, 20 years and over	7.9	6.3	7.5	6.2	9.1	8.6	7.3	6.2	7.3	5.4	7.9	6.5
Both sexes, 16-19 years	20.2	16.5	18.2	16.7	29.0	22.2	18.8	17.4	16.7	14.3	16.6	14.7
Black and other												
Both sexes, 16 years and over	16.5	15.5	12.5	11.2	17.1	17.2	11.8	10.9	15.3	12.2	17.1	13.2
Males, 20 years and over	14.4	11.9	10.3	9.0	15.5	14.8	10.1	8.9	12.2	6.7	11.5	9.4
Females, 20 years and over	11.9	11.8	11.0	9.5	11.4	11.8	10.3	9.0	13.0	12.0	15.6	13.1
Both sexes, 16-19 years	42.7	46.9	35.1	36.0	49.0	50.2	32.6	36.7	33.4	40.4	46.5	32.6

c=corrected.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-62. Employment status of the population in poverty and nonpoverty areas by race

(Number in thousands)

Employment status	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976
Total												
Civilian noninstitutional population	29,009	29,215	122,631	125,009	11,715	11,675	91,713	93,478	17,295	17,540	30,917	31,531
Civilian labor force	16,040	16,267	77,947	80,016	6,226	6,201	58,651	60,228	9,814	10,066	19,296	19,789
Percent of population	55.3	55.7	63.6	64.0	53.2	53.1	64.0	64.4	56.7	57.4	62.4	62.8
Employed	14,372	14,743	71,807	74,231	5,364	5,378	53,894	55,749	9,008	9,365	17,913	18,482
Unemployed	1,668	1,524	6,141	5,785	862	823	4,758	4,479	806	701	1,383	1,387
Unemployment rate	10.4	9.4	7.9	7.2	13.8	13.3	8.1	7.4	8.2	7.0	7.2	6.6
Not in labor force	12,969	12,948	44,683	44,993	5,488	5,474	33,062	33,250	7,481	7,474	11,621	11,743
White												
Civilian noninstitutional population	20,481	20,528	113,283	115,296	6,022	5,986	83,611	85,072	14,460	14,542	29,672	30,223
Civilian labor force	11,486	11,666	71,672	73,475	3,271	3,263	53,201	54,538	8,215	8,403	18,471	18,937
Percent of population	56.1	56.8	63.3	63.7	54.3	54.5	63.6	64.1	56.8	57.8	62.3	62.7
Employed	10,560	10,839	66,317	68,465	2,933	2,928	49,127	50,709	7,627	7,911	17,190	17,757
Unemployed	926	827	5,355	5,010	339	335	4,074	3,830	588	492	1,281	1,358
Unemployment rate	8.1	7.1	7.5	6.8	10.4	10.3	7.7	7.0	7.2	5.9	6.9	6.2
Not in labor force	8,995	8,862	41,611	41,821	2,750	2,723	30,410	30,534	6,245	6,139	11,201	11,287
Black and other												
Civilian noninstitutional population	8,528	8,687	9,348	9,714	5,693	5,689	8,102	8,406	2,835	2,998	1,246	1,308
Civilian labor force	4,554	4,601	6,275	6,541	2,955	2,938	5,450	5,689	1,599	1,663	826	852
Percent of population	53.4	53.0	67.1	67.3	51.9	51.6	67.3	67.7	56.4	55.5	66.3	65.1
Employed	3,812	3,905	5,490	5,766	2,432	2,451	4,767	5,040	1,380	1,454	723	726
Unemployed	742	697	786	776	524	487	683	649	218	209	102	126
Unemployment rate	16.3	15.1	12.5	11.9	17.7	16.6	12.5	11.4	13.6	12.6	12.4	14.8
Not in labor force	3,974	4,086	3,072	3,172	2,738	2,751	2,652	2,716	1,236	1,335	420	456

A-63. Unemployment rates for selected labor force groups in poverty and nonpoverty areas by sex, age, and race

Sex, age, and race	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976	III 1975	III 1976
Total												
Both sexes, 16 years and over	10.4	9.4	7.9	7.2	13.8	13.3	8.1	7.4	8.2	7.0	7.2	6.6
Males, 20 years and over	7.9	6.6	5.9	5.1	11.8	10.4	6.3	5.3	5.6	4.3	4.6	4.4
Females, 20 years and over	9.8	9.7	8.0	7.6	11.0	11.8	7.8	7.7	8.9	8.2	8.4	7.5
Both sexes, 16-19 years	25.2	22.6	17.8	16.8	33.9	32.2	18.7	17.6	19.7	16.7	15.5	14.6
White												
Both sexes, 16 years and over	8.1	7.1	7.5	6.8	10.4	10.3	7.7	7.0	7.2	5.9	6.9	6.2
Males, 20 years and over	6.3	5.1	5.6	4.8	9.2	8.4	5.9	5.1	5.1	3.8	4.5	4.1
Females, 20 years and over	8.0	7.6	7.6	7.3	8.2	9.3	7.4	7.3	7.9	6.9	8.0	7.1
Both sexes, 16-19 years	18.5	16.4	16.9	15.5	25.2	24.3	17.5	16.1	16.1	13.5	15.3	13.8
Black and other												
Both sexes, 16 years and over	16.3	15.1	12.5	11.9	17.7	16.6	12.5	11.4	13.6	12.6	12.4	14.8
Males, 20 years and over	12.9	10.9	10.0	8.4	15.3	13.1	10.3	8.1	8.6	7.2	7.9	10.5
Females, 20 years and over	13.5	14.1	11.7	11.0	13.6	14.2	11.2	10.5	13.3	14.0	14.8	15.0
Both sexes, 16-19 years	38.8	36.7	30.0	34.2	41.4	39.8	31.5	34.8	34.3	31.3	21.9	31.6

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

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

[In thousands]

Year and month	Total	Goods-producing					Service-producing									
		Total	Mining	Contract 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	
1919.....	27,088	12,813	1,133	1,021	10,659	14,275	3,711	4,514	-	-	1,111	2,263	2,676	-	-	
1920.....	27,350	12,745	1,239	848	10,658	14,605	3,998	4,467	-	-	1,175	2,362	2,603	-	-	
1925.....	28,778	12,474	1,089	1,446	9,939	16,304	3,826	5,576	-	-	1,233	2,869	2,800	-	-	
1926.....	29,819	12,896	1,185	1,555	10,156	16,923	3,942	5,784	-	-	1,305	3,046	2,846	-	-	
1927.....	29,976	12,723	1,114	1,608	10,001	17,253	3,895	5,908	-	-	1,367	3,168	2,915	-	-	
1928.....	30,000	12,603	1,050	1,606	9,947	17,397	3,828	5,874	-	-	1,435	3,265	2,995	-	-	
1929.....	31,339	13,286	1,087	1,497	10,702	18,053	3,916	6,123	-	-	1,509	3,440	3,065	533	2,532	
1930.....	29,424	11,943	1,009	1,372	9,562	17,481	3,685	5,797	-	-	1,475	3,376	3,148	526	2,622	
1931.....	26,649	10,257	873	1,214	8,170	16,392	3,254	5,284	-	-	1,407	3,183	3,264	560	2,704	
1932.....	23,628	8,632	731	970	6,931	14,996	2,816	4,683	-	-	1,341	2,931	3,225	559	2,666	
1933.....	23,711	8,950	744	809	7,397	14,761	2,672	4,755	-	-	1,295	2,873	3,166	565	2,601	
1934.....	25,953	10,246	883	862	8,501	15,707	2,750	5,281	-	-	1,319	3,058	3,299	652	2,647	
1935.....	27,053	10,878	897	912	9,069	16,175	2,786	5,431	-	-	1,335	3,142	3,481	753	2,728	
1936.....	29,082	11,918	946	1,145	9,827	17,164	2,973	5,809	-	-	1,388	3,326	3,668	826	2,842	
1937.....	31,026	12,921	1,015	1,112	10,794	18,105	3,134	6,265	-	-	1,432	3,518	3,756	833	2,923	
1938.....	29,209	11,386	891	1,055	9,440	17,823	2,863	6,179	-	-	1,425	3,473	3,883	829	3,054	
1939.....	30,618	12,282	854	1,150	10,278	18,336	2,936	6,426	1,684	4,742	1,462	3,517	3,995	905	3,090	
1940.....	32,376	13,204	925	1,294	10,985	19,173	3,038	6,750	1,754	4,996	1,502	3,681	4,202	996	3,206	
1941.....	36,554	15,939	957	1,790	13,192	20,614	3,274	7,210	1,873	5,338	1,549	3,921	4,660	1,340	3,320	
1942.....	40,125	18,442	992	2,170	15,280	21,683	3,460	7,118	1,821	5,297	1,538	4,084	5,483	2,213	3,270	
1943.....	42,452	20,094	925	1,567	17,602	22,359	3,647	6,982	1,741	5,241	1,502	4,148	6,080	2,905	3,174	
1944.....	41,883	19,314	892	1,094	17,328	22,569	3,829	7,058	1,762	5,296	1,476	4,163	6,043	2,928	3,116	
1945.....	40,394	17,492	836	1,132	15,524	22,902	3,906	7,314	1,862	5,452	1,497	4,241	5,944	2,808	3,137	
1946.....	41,674	17,226	862	1,661	14,703	24,448	4,061	8,376	2,190	6,186	1,697	4,719	5,595	2,254	3,341	
1947.....	43,881	18,482	955	1,982	15,545	25,399	4,166	8,955	2,361	6,595	1,754	5,050	5,474	1,892	3,582	
1948.....	44,891	18,745	994	2,169	15,582	26,146	4,189	9,272	2,489	6,783	1,829	5,206	5,650	1,863	3,787	
1949.....	43,778	17,536	930	2,165	14,441	26,242	4,001	9,264	2,487	6,778	1,857	5,264	5,856	1,908	3,948	
1950.....	45,222	18,475	901	2,333	15,241	26,747	4,034	9,386	2,518	6,868	1,919	5,382	6,026	1,928	4,098	
1951.....	47,849	19,925	929	2,603	16,393	27,924	4,226	9,742	2,606	7,136	1,991	5,576	6,389	2,302	4,087	
1952.....	48,825	20,164	898	2,634	16,632	28,660	4,248	10,004	2,687	7,317	2,069	5,730	6,609	2,420	4,188	
1953.....	50,232	21,038	866	2,623	17,549	29,195	4,290	10,247	2,727	7,520	2,146	5,867	6,645	2,305	4,340	
1954.....	49,022	19,717	791	2,612	16,314	29,306	4,084	10,235	2,739	7,496	2,234	6,002	6,751	2,188	4,563	
1955.....	50,675	20,476	792	2,802	16,882	30,199	4,141	10,535	2,796	7,740	2,335	6,274	6,914	2,187	4,727	
1956.....	52,408	21,064	822	2,999	17,243	31,344	4,244	10,858	2,884	7,974	2,429	6,536	7,277	2,209	5,069	
1957.....	52,894	20,925	828	2,923	17,174	31,969	4,241	10,886	2,893	7,992	2,477	6,749	7,166	2,217	5,399	
1958.....	51,363	19,474	751	2,778	15,945	31,890	3,976	10,750	2,848	7,902	2,519	6,806	7,839	2,191	5,648	
1959.....	53,313	20,367	732	2,960	16,675	32,945	4,011	11,127	2,946	8,182	2,594	7,130	8,083	2,233	5,850	
1960.....	54,234	20,393	712	2,885	16,796	33,840	4,004	11,391	3,004	8,388	2,669	7,423	8,553	2,270	6,083	
1961.....	54,042	19,814	672	2,816	16,326	34,229	3,903	11,337	2,993	8,344	2,731	7,664	8,594	2,279	6,315	
1962.....	55,596	20,405	650	2,902	16,853	35,190	3,906	11,566	3,056	8,511	2,800	8,028	8,890	2,340	6,550	
1963.....	56,702	20,593	635	2,963	16,995	36,108	3,903	11,778	3,104	8,675	2,877	8,325	9,225	2,358	6,868	
1964.....	58,331	20,958	634	3,050	17,274	37,373	3,951	12,160	3,189	8,971	2,957	8,709	9,596	2,348	7,248	
1965.....	60,815	21,880	632	3,186	18,062	38,936	4,036	12,716	3,312	9,404	3,023	9,087	10,074	2,378	7,696	
1966.....	63,955	23,116	627	3,275	19,214	40,839	4,151	13,245	3,437	9,808	3,100	9,551	10,792	2,564	8,227	
1967.....	65,857	23,268	613	3,208	19,447	42,589	4,261	13,606	3,525	10,081	3,225	10,099	11,398	2,719	8,679	
1968.....	67,951	23,693	606	3,306	19,781	44,258	4,311	14,099	3,611	10,488	3,381	10,622	11,845	2,737	9,109	
1969.....	70,442	24,311	619	3,525	20,167	46,130	4,435	14,704	3,733	10,971	3,562	11,228	12,202	2,758	9,444	
1970.....	70,920	23,507	623	3,536	19,349	47,412	4,504	15,040	3,816	11,225	3,687	11,621	12,561	2,791	9,830	
1971.....	71,222	22,820	609	3,639	18,572	48,401	4,457	15,352	3,823	11,529	3,802	11,903	12,887	2,696	10,192	
1972.....	73,714	23,546	625	3,831	19,090	50,167	4,517	15,975	3,943	12,032	3,943	12,392	13,340	2,684	10,656	
1973.....	76,896	24,727	644	4,015	20,068	52,169	4,644	16,674	4,107	12,568	4,091	13,021	13,739	2,663	11,075	
1974.....	78,413	24,697	694	3,957	20,046	53,715	4,696	17,017	4,223	12,794	4,208	13,617	14,177	2,724	11,453	
1975.....	76,985	22,549	745	3,457	18,347	54,436	4,498	16,947	4,177	12,771	4,223	13,995	14,773	2,748	12,025	
Sept.....	77,614	23,111	758	3,659	18,694	54,503	4,503	17,084	4,194	12,890	4,243	14,113	14,560	2,746	11,814	
Oct.....	78,193	23,070	763	3,620	18,687	55,123	4,503	17,136	4,209	12,927	4,238	14,185	15,061	2,742	12,319	
Nov.....	78,339	22,920	763	3,522	18,635	55,419	4,509	17,313	4,207	13,106	4,235	14,174	15,188	2,742	12,446	
Dec.....	78,527	22,685	763	3,338	18,584	55,842	4,477	17,737	4,215	13,522	4,243	14,158	15,227	2,771	12,456	
1976:																
Jan.....	77,091	22,312	756	3,061	18,495	54,779	4,440	17,026	4,189	12,837	4,223	14,049	15,041	2,724	12,317	
Feb.....	77,339	22,311	752	3,014	18,545	55,028	4,445	16,926	4,189	12,737	4,228	14,188	15,241	2,726	12,515	
Mar.....	77,906	22,541	759	3,103	18,679	55,365	4,462	17,028	4,194	12,834	4,246	14,307	15,322	2,724	12,598	
Apr.....	78,688	22,849	766	3,270	18,813	55,839	4,474	17,295	4,212	13,083	4,276	14,498	15,296	2,730	12,566	
May.....	79,115	23,033	775	3,386	18,872	56,082	4,494	17,405	4,228	13,177	4,281	14,616	15,289	2,735	12,554	
June.....	79,805	23,435	795	3,523	19,117	56,370	4,531	17,552	4,280	13,272	4,344	14,775	15,168	2,758	12,410	
July.....	78,891	23,207	804	3,582	18,821	55,684	4,540	17,517	4,297	13,220	4,368	14,784	14,475	2,775	11,700	
Aug.....	79,170	23,534	763	3,611	19,160	55,636	4,527	17,552	4,311	13,241	4,371	14,814	14,372	2,754	11,618	
Sept.....	79,859	23,741	794	3,551	19,396	56,118	4,531	17,681	4,318	13,363	4,349	14,755	14,802	2,732	12,070	

p = preliminary.

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

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2. Employees on nonagricultural payrolls, by industry

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^P	Sept. 1976 ^P	Aug. 1975	Sept. 1975	July 1976 ^P	Aug. 1976 ^P	Sept. 1976 ^P
-	TOTAL	76,900	77,614	78,891	79,170	79,859	-	-	-	-	-
	PRIVATE SECTOR	62,788	63,054	64,416	64,798	65,057	51,601	51,873	52,976	53,350	53,593
-	MINING	763	758	804	763	794	578	574	609	569	601
10	METAL MINING	91.9	92.8	96.2	95.9	-	70.7	72.1	73.8	74.1	-
101	Iron ores	24.5	25.2	26.5	26.7	-	19.5	20.4	21.4	21.6	-
102	Copper ores	35.8	36.4	36.6	36.1	-	26.9	27.7	27.3	27.8	-
11,12	COAL MINING	205.7	206.6	219.5	177.0	-	175.0	175.9	187.7	146.0	-
12	Bituminous coal and lignite mining	201.8	202.7	215.5	173.0	-	171.6	172.5	184.3	142.6	-
13	OIL AND GAS EXTRACTION	346.1	339.8	367.6	369.5	-	237.4	231.9	251.2	253.6	-
131,2	Crude petroleum and natural gas fields	164.9	162.7	170.5	169.8	-	85.2	83.4	86.0	85.3	-
138	Oil and gas field services	181.2	177.1	197.1	199.7	-	152.2	148.5	165.2	168.3	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	119.7	118.6	120.6	120.1	-	94.7	93.7	96.2	95.4	-
142	Crushed and broken stone	41.9	41.7	42.4	42.2	-	34.1	34.1	35.1	34.9	-
144	Sand and gravel	37.0	36.4	37.5	37.6	-	-	-	-	-	-
-	CONTRACT CONSTRUCTION	3,688	3,659	3,582	3,611	3,551	2,991	2,957	2,872	2,908	2,850
15	GENERAL BUILDING CONTRACTORS	1,101.6	1,091.1	1,063.6	1,080.1	-	882.4	868.7	837.5	856.9	-
16	HEAVY CONSTRUCTION CONTRACTORS	793.8	786.7	758.5	758.9	-	671.2	667.1	632.6	634.2	-
161	Highway and street construction	364.1	360.2	335.1	336.8	-	319.9	315.1	290.6	292.3	-
162	Heavy construction, nec	429.7	426.5	423.4	422.1	-	351.3	352.0	342.0	341.9	-
17	SPECIAL TRADE CONTRACTORS	1,792.1	1,781.2	1,760.0	1,771.9	-	1,437.1	1,420.9	1,401.6	1,416.9	-
171	Plumbing, heating, air conditioning	420.9	419.9	411.2	410.7	-	320.6	320.7	311.1	311.7	-
172	Painting, paper hanging, decorating	138.0	131.9	132.8	139.0	-	119.9	114.3	113.6	120.0	-
173	Electrical work	317.7	317.3	305.6	309.6	-	247.6	248.4	240.5	245.6	-
174	Masonry, stonework, and plastering	197.3	193.2	189.2	193.3	-	171.3	167.6	164.7	168.6	-
176	Roofing and sheet metal work	128.4	127.1	125.2	126.4	-	104.8	103.5	101.7	103.7	-
-	MANUFACTURING	18,450	18,694	18,821	19,160	19,396	13,180	13,428	13,470	13,797	14,043 ^C
19,24,25, 32-39	DURABLE GOODS	10,592	10,771	10,958	11,105	11,268	7,468	7,645	7,787	7,927	8,092
20-23, 26-31	NONDURABLE GOODS	7,858	7,923	7,863	8,055	8,128	5,712	5,783	5,683	5,870	5,951 ^C
	DURABLE GOODS										
19	ORDANCE AND ACCESSORIES	167.4	166.9	156.8	156.9	156.0	76.7	76.9	70.4	70.5	69.8
192	Ammunition, except for small arms	112.6	111.7	101.0	101.5	101.2	41.4	41.4	34.8	35.1	35.1
1925	Complete guided missiles	89.1	90.0	83.8	84.2	-	24.0	25.4	22.6	22.7	-
1929	Ammunition, exc. for small arms, nec	23.5	21.7	17.2	17.3	-	17.4	16.0	12.2	12.4	-
24	LUMBER AND WOOD PRODUCTS	583.9	580.6	623.4	629.5	631.3	488.6	485.9	524.4	529.6	533.2
241	Logging camps and logging contractors	79.0	78.1	79.4	79.6	(*)	-	-	-	-	-
242	Sawmills and planing mills	205.9	203.3	216.9	216.7	213.7	182.9	180.2	192.8	192.7	190.4
2421	Sawmills and planing mills, general	176.7	173.7	186.0	185.0	-	157.0	153.8	165.2	164.3	-
243	Millwork, plywood and related products	188.1	187.1	209.1	212.7	(*)	154.3	153.7	173.5	176.4	(*)
2431	Millwork	83.5	83.3	94.7	96.9	-	67.8	67.8	78.1	79.9	-
2432	Veneer and plywood	68.8	68.8	74.5	74.9	-	60.9	61.0	66.2	66.3	-
244	Wooden containers	21.4	22.0	22.1	22.6	22.4	18.7	19.5	19.6	20.0	19.9
2441,2	Wooden boxes, shooks, and crates	17.4	17.8	18.1	17.9	-	15.3	15.8	16.1	15.8	-
249	Miscellaneous wood products	89.5	90.1	95.9	97.9	(*)	71.6	72.4	77.1	78.7	(*)

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^P	Sept. 1976 ^P	Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^P	Sept. 1976 ^P
DURABLE GOODS—Continued											
26	FURNITURE AND FIXTURES	457.4	466.8	478.4	493.6	499.8	371.4	381.4	390.6	406.0	411.8
251	Household furniture	327.0	334.2	344.0	357.7	— (*)	274.0	281.4	289.6	302.9	— (*)
2511	Wood household furniture	166.4	169.5	177.5	187.4	—	144.9	148.7	154.7	164.2	—
2512	Upholstered household furniture	94.7	97.3	99.6	103.4	—	77.9	80.4	82.3	85.9	—
2515	Mattresses and bedspings	33.7	34.3	33.3	33.8	—	25.9	26.2	25.4	26.2	—
252	Office furniture	34.5	36.2	34.2	35.7	—	26.7	28.3	26.6	28.4	—
254	Partitions and fixtures	50.2	50.5	53.7	54.3	—	36.9	37.4	40.1	40.9	—
253,9	Other furniture and fixtures	45.7	45.9	46.5	45.9	47.1	33.8	34.3	34.3	33.8	34.9
32	STONE, CLAY, AND GLASS PRODUCTS	624.9	626.8	641.8	645.2	643.2	496.2	498.8	512.6	515.4	514.3
321	Flat glass	15.8	16.3	16.5	16.6	—	11.3	12.3	13.3	13.4	—
322	Glass and glassware, pressed or blown	128.2	129.2	134.7	135.0	132.9	110.1	111.3	116.6	116.8	115.0
3221	Glass containers	75.4	75.9	79.9	80.2	—	66.4	66.9	70.7	71.0	—
3229	Pressed and blown glass, nec	52.8	53.3	54.8	54.8	—	43.7	44.4	45.9	45.8	—
324	Cement, hydraulic	31.8	31.2	30.7	30.4	30.2	25.2	24.7	24.5	24.2	24.0
325	Structural clay products	49.1	48.8	49.4	49.6	48.4	39.4	39.2	39.7	39.7	39.0
3251	Brick and structural clay tile	21.6	21.3	22.5	22.4	—	18.1	17.8	18.7	18.6	—
326	Pottery and related products	41.6	42.0	43.0	43.6	—	34.5	35.0	36.1	36.9	—
327	Concrete, gypsum, and plaster products	196.9	195.4	198.4	198.0	197.0	154.0	152.8	155.1	154.6	153.4
328,9	Other stone and nonmetallic mineral products	127.3	128.3	133.6	134.4	— (*)	95.5	96.3	100.7	100.9	— (*)
3291	Abrasive products	22.7	22.6	24.5	25.0	—	15.7	15.6	17.4	17.8	—
33	PRIMARY METAL INDUSTRIES	1,147.8	1,168.6	1,208.8	1,214.2	1,231.2	889.1	910.5	948.9	953.1	970.5
331	Blast furnace and basic steel products	526.9	538.0	565.5	563.9	— (*)	406.8	418.0	444.4	441.3	— (*)
3312	Blast furnaces and steel mills	454.5	464.9	491.1	488.6	—	352.5	362.9	387.8	383.9	—
332	Iron and steel foundries	221.0	221.8	215.9	218.2	222.9	181.5	182.2	176.7	179.0	184.0
3321	Gray iron foundries	135.2	135.7	138.6	139.8	—	113.0	113.5	115.4	116.7	—
3322	Malleable iron foundries	21.2	22.0	20.3	20.8	—	16.6	17.3	16.2	16.7	—
3323	Steel foundries	64.6	64.1	57.0	57.6	—	51.9	51.4	45.1	45.6	—
333,4	Nonferrous metals	79.9	79.7	84.7	85.6	86.3	60.0	60.4	64.5	65.3	66.1
3334	Primary aluminum	28.0	28.1	33.3	33.9	—	22.2	22.3	26.8	27.4	—
335	Nonferrous rolling and drawing	176.3	182.4	193.5	195.3	199.9	126.0	131.9	142.9	144.7	149.1
3361	Copper rolling and drawing	31.9	33.0	35.4	36.6	—	23.3	24.4	26.8	27.9	—
3362	Aluminum rolling and drawing	53.3	55.3	61.8	60.9	—	36.5	38.4	44.9	44.2	—
3367	Nonferrous wire drawing and insulating	74.1	76.9	77.3	78.6	—	54.5	57.1	57.7	58.9	—
336	Nonferrous foundries	72.8	74.0	78.5	80.5	82.6	59.3	60.6	64.8	66.9	68.9
3361	Aluminum castings	39.0	39.6	44.4	44.9	—	32.1	32.7	37.3	37.9	—
3362,9	Other nonferrous castings	33.8	34.4	34.1	35.6	—	27.2	27.9	27.5	29.0	—
339	Miscellaneous primary metal products	70.9	72.7	70.7	70.7	71.6	55.5	57.4	55.6	55.9	56.8
3391	Iron and steel forgings	47.3	49.1	45.5	45.3	—	37.3	39.3	35.9	35.9	—
34	FABRICATED METAL PRODUCTS	1,332.0	1,354.5	1,374.0	1,397.0	1,411.6	995.2	1,015.0	1,031.3	1,053.7	1,070.0
341	Metal cans	66.9	65.5	64.9	64.4	65.2	58.2	56.7	56.5	56.1	56.6
342	Cutlery, hand tools, and hardware	148.3	154.9	164.6	168.4	170.0	111.7	117.8	126.6	129.7	131.5
3421,3,5	Cutlery and hand tools, including saws	64.1	66.5	69.6	70.9	—	48.0	50.2	52.6	53.8	—
3429	Hardware, nec	84.2	88.4	95.0	97.5	—	63.7	67.6	74.0	75.9	—
343	Plumbing and heating, except electric	65.4	66.0	68.8	69.7	70.2	47.0	47.7	50.3	51.4	51.7
3431,2	Sanitary ware and plumbers' brass goods	28.7	29.2	31.6	31.5	—	21.3	21.8	24.0	24.0	—
3433	Heating equipment, except electric	36.7	36.8	37.2	38.2	—	25.7	25.9	26.3	27.4	—
344	Fabricated structural metal products	458.9	460.4	451.5	451.0	448.6	321.1	321.2	313.7	313.5	311.5
3441	Fabricated structural steel	107.9	108.3	97.5	98.4	—	77.8	78.2	68.7	69.5	—
3442	Metal doors, sash, and trim	70.9	70.6	73.0	73.8	—	51.6	50.4	54.2	55.1	—
3443	Fabricated plate work (boiler shops)	140.5	141.4	136.5	133.2	—	93.0	93.5	87.9	85.0	—
3444	Sheet metal work	84.0	83.9	87.0	87.8	—	61.0	60.9	63.0	63.7	—
3448,9	Architectural and miscellaneous metal work	55.6	56.2	57.5	57.8	—	37.7	38.2	39.9	40.2	—
345	Screw machine products, bolts, etc	90.8	91.0	97.3	98.6	100.9	69.5	69.9	75.1	76.1	78.4
3451	Screw machine products	42.0	42.3	45.5	45.8	—	34.1	34.4	37.4	37.6	—
3452	Bolts, nuts, rivets, and washers	48.8	48.7	51.8	52.8	—	35.4	35.5	37.7	38.5	—
346	Metal stampings	206.9	217.4	213.3	226.7	236.0	165.3	175.3	170.4	184.0	193.0
347	Metal services, nec	81.7	82.7	90.4	92.3	93.4	66.2	67.0	73.4	75.3	76.1
348	Miscellaneous fabricated wire products	55.9	58.3	59.1	59.9	60.2	43.2	45.6	46.8	47.4	47.6
349	Miscellaneous fabricated metal products	157.2	158.3	164.1	166.0	167.1	113.0	113.8	118.5	120.2	123.3
3494,8	Valves, pipe, and pipe fittings	103.8	103.3	108.7	109.0	—	70.5	70.0	74.1	74.6	—

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1975	Sept. 1975	July 1976	Aug. ^P 1976	Sept. ^P 1976	Aug. 1975	Sept. 1975	July 1976	Aug. ^P 1976	Sept. ^P 1976
DURABLE GOODS—Continued											
35	MACHINERY, EXCEPT ELECTRICAL	2, 000. 6	2, 028. 5	2, 064. 9	2, 070. 0	2, 095. 9	1, 281. 9	1, 310. 0	1, 324. 5	1, 327. 8	1, 355. 8
351	Engines and turbines	102. 6	104. 8	111. 9	112. 9	110. 4	64. 4	65. 5	71. 8	72. 8	71. 6
3511	Steam engines and turbines	38. 4	41. 2	42. 7	42. 5	—	18. 8	20. 6	22. 6	22. 3	—
3519	Internal combustion engines, nec	64. 2	63. 6	69. 2	70. 4	—	45. 6	44. 9	49. 2	50. 5	—
352	Farm machinery	141. 8	146. 6	147. 5	145. 6	—	99. 1	103. 9	103. 1	101. 6	—
353	Construction and related machinery	341. 7	343. 5	33. 83	337. 1	339. 4	223. 5	226. 0	216. 9	215. 3	219. 6
3531.2	Construction and mining machinery	186. 9	188. 8	180. 9	179. 7	—	121. 9	124. 5	116. 3	114. 5	—
3533	Oil field machinery	66. 8	66. 9	68. 4	68. 3	—	48. 7	48. 5	47. 3	47. 2	—
3535.6	Conveyors, hoists, cranes, monorails	45. 0	44. 8	46. 9	47. 5	—	27. 8	27. 5	27. 9	28. 5	—
3537	Industrial trucks and tractors	29. 0	28. 7	30. 1	30. 2	—	17. 9	18. 0	19. 2	19. 4	—
354	Metal working machinery	294. 4	301. 7	304. 7	306. 6	315. 6	210. 7	218. 3	220. 0	222. 4	231. 1
3541	Machine tools, metal cutting types	62. 0	62. 1	59. 6	59. 1	—	40. 8	41. 0	38. 4	37. 7	—
3544	Special dies, tools, jigs, and fixtures	111. 6	114. 1	118. 3	120. 2	—	88. 7	90. 8	94. 2	96. 1	—
3545	Machine tool accessories	52. 5	53. 0	52. 9	54. 4	—	37. 0	37. 7	37. 1	38. 9	—
3542.8	Miscellaneous metal working machinery	68. 3	72. 5	73. 9	72. 9	—	44. 2	48. 8	50. 3	49. 7	—
355	Special industry machinery	174. 7	175. 3	174. 0	175. 7	175. 2	110. 0	111. 0	110. 7	112. 1	112. 5
3551	Food products machinery	40. 2	40. 6	40. 7	41. 1	—	26. 0	26. 5	26. 3	26. 8	—
3552	Textile machinery	29. 4	29. 7	30. 7	31. 0	—	20. 6	20. 8	21. 9	22. 1	—
3555	Printing trades machinery	25. 0	25. 0	24. 1	24. 4	—	15. 1	15. 0	14. 1	14. 6	—
356	General industrial machinery	281. 6	284. 2	284. 8	285. 8	290. 1	182. 8	185. 6	184. 6	185. 4	191. 1
3561	Pumps and compressors	80. 0	80. 3	81. 4	81. 0	—	47. 4	47. 9	48. 2	47. 7	—
3562	Ball and roller bearings	51. 6	52. 6	52. 8	53. 1	—	38. 9	40. 0	39. 3	40. 3	—
3564	Blowers and fans	35. 2	35. 3	34. 9	34. 3	—	22. 2	22. 3	22. 3	21. 5	—
3566	Power transmission equipment	47. 2	48. 4	47. 7	48. 0	—	33. 2	34. 3	33. 7	33. 9	—
357	Office and computing machines	278. 0	279. 6	291. 8	292. 8	298. 3	110. 6	112. 8	115. 6	115. 3	117. 9
3573	Electronic computing equipment	209. 8	210. 2	219. 3	221. 1	—	69. 8	70. 6	72. 6	73. 7	—
358	Service industry machines	143. 1	146. 6	162. 0	162. 8	162. 9	95. 3	98. 3	111. 7	112. 1	112. 1
3585	Refrigeration machinery	97. 2	100. 3	112. 5	111. 8	—	65. 9	68. 4	79. 0	78. 2	—
359	Miscellaneous machinery, except electrical ..	242. 7	246. 2	249. 9	250. 7	255. 1	185. 5	188. 6	190. 1	190. 8	195. 6
36	ELECTRICAL EQUIPMENT AND SUPPLIES..	1, 740. 3	1, 770. 9	1, 806. 3	1, 834. 2	1, 857. 4	1, 123. 0	1, 152. 4	1, 187. 7	1, 216. 6	1, 238. 0
361	Electric test and distributing equipment ..	187. 9	188. 6	185. 8	194. 5	194. 8	121. 8	123. 1	123. 3	130. 3	130. 6
3611	Electric measuring instruments	67. 7	67. 5	70. 1	72. 3	—	39. 7	40. 0	41. 6	43. 6	—
3612	Transformers	47. 2	47. 7	43. 6	47. 4	—	32. 9	33. 3	30. 8	33. 8	—
3613	Switchgear and switchboard apparatus ..	73. 0	73. 4	72. 1	74. 8	—	49. 2	49. 8	50. 9	52. 9	—
362	Electrical industrial apparatus	196. 6	198. 7	210. 1	214. 4	218. 5	135. 8	138. 2	149. 5	152. 7	156. 4
3621	Motors and generators	96. 1	97. 6	101. 8	104. 8	—	70. 0	71. 6	75. 8	78. 1	—
3622	Industrial controls	62. 0	62. 9	67. 8	68. 3	—	38. 9	40. 0	44. 8	45. 2	—
363	Household appliances	157. 8	162. 5	164. 7	167. 3	168. 5	120. 7	124. 8	127. 9	130. 2	131. 6
3632	Household refrigerators and freezers ..	37. 6	38. 5	35. 5	35. 3	—	29. 1	29. 9	26. 7	26. 2	—
3633	Household laundry equipment	24. 1	24. 5	23. 8	24. 4	—	18. 7	19. 0	18. 7	19. 3	—
3634	Electric housewares and fans	45. 8	47. 7	48. 7	51. 0	—	35. 4	37. 0	38. 5	40. 5	—
364	Electric lighting and wiring equipment ..	177. 8	181. 8	191. 2	195. 5	199. 0	134. 1	137. 7	145. 5	149. 7	153. 3
3641	Electric lamps	33. 2	33. 1	36. 1	35. 7	—	29. 4	29. 1	31. 9	31. 5	—
3642	Lighting fixtures	59. 2	60. 9	61. 1	64. 5	—	44. 9	46. 4	46. 2	50. 0	—
3643.4	Wiring devices	85. 4	87. 8	94. 0	95. 3	—	59. 8	62. 2	67. 4	68. 2	—
365	Radio and TV receiving equipment	123. 9	131. 0	127. 5	131. 8	136. 5	89. 8	96. 4	92. 6	96. 7	101. 0
366	Communication equipment	424. 6	425. 8	417. 2	419. 2	420. 4	209. 3	210. 5	205. 2	207. 4	209. 0
3661	Telephone and telegraph apparatus	137. 9	137. 4	130. 7	131. 2	—	87. 0	86. 8	84. 9	85. 7	—
3662	Radio and TV communication equipment ..	286. 7	288. 4	286. 5	288. 0	—	122. 3	123. 7	120. 3	121. 7	—
367	Electronic components and accessories ..	342. 6	348. 6	369. 8	368. 1	372. 2	212. 5	218. 0	236. 9	239. 7	242. 8
3671-3	Electron tubes	43. 2	43. 5	41. 7	42. 1	—	27. 9	28. 3	27. 3	27. 6	—
3674.9	Other electronic components	299. 4	305. 1	328. 1	326. 0	—	184. 6	189. 7	209. 6	212. 1	—
369	Miscellaneous electrical equipment ..	129. 1	133. 9	140. 0	143. 4	147. 5	99. 0	103. 7	106. 8	109. 9	113. 3
3694	Engine electrical equipment	65. 8	68. 3	72. 8	73. 2	—	51. 4	54. 1	57. 1	57. 4	—
37	TRANSPORTATION EQUIPMENT	1, 636. 8	1, 694. 4	1, 679. 8	1, 722. 9	1, 788. 7	1, 136. 4	1, 191. 3	1, 171. 4	1, 213. 7	1, 276. 5
371	Motor vehicles and equipment	766. 2	818. 6	808. 5	844. 7	(*)	586. 0	637. 8	618. 2	651. 3	(*)
3711	Motor vehicles	310. 0	347. 6	334. 1	350. 8	—	223. 9	260. 8	242. 8	258. 3	—
3712	Passenger car bodies	45. 2	46. 0	27. 5	46. 2	—	35. 7	36. 6	18. 8	36. 3	—
3713	Truck and bus bodies	38. 3	38. 3	39. 4	39. 8	—	29. 0	29. 2	30. 1	30. 2	—
3714	Motor vehicle parts and accessories	355. 6	369. 5	386. 0	386. 5	—	285. 3	298. 9	310. 5	310. 6	—
3715	Truck trailers	17. 1	17. 2	21. 5	21. 4	—	12. 1	12. 3	16. 0	15. 9	—
372	Aircraft and parts	508. 0	511. 5	468. 7	475. 7	483. 4	268. 5	270. 5	234. 9	243. 1	282. 4
3721	Aircraft	277. 3	277. 3	253. 2	259. 0	—	135. 7	135. 1	117. 5	123. 0	—
3722	Aircraft engines and engine parts	132. 4	136. 5	125. 7	128. 2	—	70. 8	74. 9	64. 4	68. 2	—
3723.9	Other aircraft parts and equipment	98. 4	97. 7	89. 8	88. 5	—	62. 0	60. 5	53. 0	51. 9	—
373	Ship and boat building and repairing	189. 5	192. 5	211. 9	210. 8	210. 0	148. 1	150. 0	168. 6	167. 9	166. 5
3731	Ship building and repairing	150. 4	152. 3	165. 9	164. 9	—	117. 0	117. 8	131. 1	130. 6	—

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^p	Sept. 1976 ^p	Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^p	Sept. 1976 ^p
	DURABLE GOODS—Continued										
	TRANSPORTATION EQUIPMENT—Continued										
3732	Boat building and repairing	39.1	40.2	46.0	45.9	—	31.1	32.2	37.5	37.3	—
374	Railroad equipment	50.1	49.1	40.1	41.4	—	37.3	36.4	28.7	30.1	—
375.9	Other transportation equipment	123.0	122.7	150.6	150.3	—	96.5	96.6	121.0	121.3	—
38	INSTRUMENTS AND RELATED PRODUCTS	483.8	487.7	510.3	512.2	515.5	287.8	292.4	311.1	311.9	315.6
381	Engineering and scientific instruments	60.7	60.9	58.7	58.8	—	30.2	30.4	28.5	28.2	—
382	Mechanical measuring and control devices	107.6	109.4	117.9	118.0	119.3	66.4	67.9	75.3	75.5	76.5
3821	Mechanical measuring devices	73.5	74.4	76.3	76.1	—	43.0	43.4	45.2	45.1	—
3822	Automatic temperature controls	34.1	35.0	41.6	41.9	—	23.4	24.5	30.1	30.4	—
383.5	Optical and ophthalmic goods	59.0	59.6	63.6	63.9	64.6	39.6	40.2	43.1	43.1	43.6
385	Ophthalmic goods	38.5	38.9	41.7	41.8	—	27.9	28.4	30.5	30.4	—
384	Medical instruments and supplies	100.9	101.7	108.4	108.7	108.9	65.7	66.8	72.5	72.2	72.8
386	Photographic equipment and supplies	125.8	125.0	131.8	131.8	(*)	61.9	61.9	67.9	68.0	(*)
387	Watches, clocks, and watchcases	29.8	31.1	29.9	31.0	—	24.0	25.2	23.8	24.9	—
	MISCELLANEOUS MANUFACTURING INDUSTRIES	417.0	425.5	413.1	429.0	436.9	321.6	330.1	313.9	328.4	336.0
391	Jewelry, silverware, and plated ware	49.8	51.0	49.6	54.8	55.1	36.5	37.5	35.6	40.3	40.6
394	Toys and sporting goods	124.5	127.8	124.1	127.7	—	98.2	101.5	96.1	99.3	—
3941-3	Games, toys, dolls, and play vehicles	74.4	77.2	68.5	72.4	—	58.7	61.2	51.3	54.8	—
3949	Sporting and athletic goods, nec	50.1	50.6	55.6	55.3	—	39.5	40.3	44.8	44.5	—
395	Pens, pencils, office, and art supplies	35.7	35.8	33.2	33.5	—	26.1	26.1	23.3	23.6	—
396	Costume jewelry and notions	54.2	56.2	50.1	52.9	—	44.3	46.4	40.5	42.9	—
393.9	Other manufacturing industries	152.8	154.7	156.1	160.1	(*)	116.5	118.6	118.4	122.3	(*)
393	Musical instruments and parts	23.3	23.6	22.3	23.3	—	19.2	19.4	18.1	19.0	—
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	1,804.1	1,812.7	1,749.5	1,835.4	1,853.8	1,256.6	1,268.9	1,199.0	1,283.6	1,307.2
201	Meat products	344.1	345.2	353.4	356.5	354.2	282.8	283.3	290.0	293.7	292.3
2011	Meat packing plants	166.3	167.2	168.4	169.2	—	133.8	134.4	134.2	135.6	—
2013	Sausages and other prepared meats	66.3	65.9	67.0	67.2	—	46.7	46.3	47.5	48.0	—
2015	Poultry dressing plants	111.5	112.1	118.0	120.1	—	102.3	102.6	108.3	110.1	—
202	Dairy products	200.5	196.3	199.5	198.8	194.9	104.1	101.0	105.5	104.8	101.3
2024	Ice cream and frozen desserts	24.7	22.9	25.3	24.8	—	13.8	12.5	14.4	14.0	—
2026	Fluid milk	129.7	128.0	126.2	125.9	—	55.5	54.4	55.0	54.6	—
203	Canned, cured, and frozen foods	397.0	408.2	323.9	408.0	—	348.6	360.9	274.5	357.8	—
2031.6	Canned, cured, and frozen sea foods	47.6	48.8	48.3	48.7	—	40.7	42.2	42.4	42.9	—
2032.3	Canned food, except sea foods	227.8	236.9	161.4	230.9	—	203.8	213.2	137.1	205.8	—
2037	Frozen fruits and vegetables	70.1	73.8	61.8	72.4	—	62.0	65.8	53.0	63.4	—
204	Grain mill products	139.9	141.0	144.5	144.0	(*)	98.6	99.0	100.4	99.5	(*)
2041	Flour and other grain mill products	25.9	26.0	26.5	26.6	—	18.6	18.6	18.6	18.8	—
2042	Prepared feeds for animals and fowls	72.7	73.0	74.7	74.9	—	48.6	48.7	48.9	48.8	—
205	Bakery products	239.5	239.1	244.1	243.3	243.4	138.1	137.2	141.4	141.2	141.4
2051	Bread, cake, and related products	198.6	198.5	202.8	201.5	—	106.0	105.3	108.7	108.1	—
2052	Cookies and crackers	40.9	40.6	41.3	41.8	—	32.1	31.9	32.7	33.1	—
206	Sugar	31.7	32.5	30.8	30.8	—	23.4	24.1	22.4	22.5	—
207	Confectionery and related products	73.9	76.6	75.6	76.0	(*)	56.1	58.8	57.5	57.7	(*)
2071	Confectionery products	54.3	56.7	54.8	54.8	—	42.1	44.4	42.7	42.5	—
208	Beverages	231.3	227.8	233.1	232.8	230.2	112.5	110.7	113.4	113.0	112.0
2082	Malt liquors	53.1	51.8	50.9	51.8	—	35.7	34.7	37.2	37.7	—
2086	Bottled and canned soft drinks	132.9	129.4	138.6	137.4	—	50.1	48.2	51.8	50.8	—
209	Miscellaneous foods and kindred products	146.2	146.0	144.6	145.2	144.5	92.4	93.9	93.9	93.4	93.3
21	TOBACCO MANUFACTURES	85.1	88.5	73.2	83.6	84.6	71.4	74.6	60.2	70.3	71.1
211	Cigarettes	45.4	45.3	46.2	45.3	—	37.0	36.7	37.9	37.1	—
212	Cigars	11.3	11.5	9.7	10.3	—	9.9	10.1	8.5	9.0	—
22	TEXTILE MILL PRODUCTS	923.4	936.9	951.3	975.1	976.5	804.5	817.3	829.4	851.8	853.9
221	Weaving mills, cotton	166.4	168.8	172.1	175.9	176.4	150.5	153.1	156.4	159.9	160.7
222	Weaving mills, synthetics	116.1	117.4	131.0	124.2	123.6	103.7	104.9	107.9	111.1	110.7
223	Weaving and finishing mills, wool	20.4	21.0	22.2	23.0	22.9	16.8	17.3	18.5	19.1	19.2
224	Narrow fabric mills	23.1	23.8	24.9	26.5	26.2	19.9	20.6	21.6	23.1	22.9
225	Knitting mills	251.4	253.5	255.8	264.4	262.3	216.5	218.3	219.7	227.8	225.6
2251	Women's hosiery, except socks	39.0	39.2	37.9	39.1	—	34.3	34.5	33.5	34.7	—
2252	Hosiery, nec	32.4	33.4	35.0	35.1	—	28.7	29.7	31.1	31.3	—
2253	Knit outerwear mills	73.0	73.7	74.1	80.1	—	61.9	62.3	61.7	62.7	—
2254	Knit underwear mills	36.8	36.9	40.6	40.5	—	32.1	32.1	35.4	35.2	—

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

(In thousands)

SIC Code	Industry	All employees					Production workers ¹					
		Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^P	Sept. 1976 ^P	Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^P	Sept. 1976 ^P	
	NONDURABLE GOODS—Continued											
	TEXTILE MILL PRODUCTS—Continued											
226	Textile finishing, except wool	78.6	80.2	80.9	82.0	— (*)	66.2	67.9	68.4	69.6	— (*)	
227	Floor covering mills	58.8	60.1	58.5	59.7	—	47.0	48.0	46.1	47.3	—	
228	Yarn and thread mills	144.4	146.5	152.5	154.8	155.1	131.5	133.6	139.6	141.6	142.2	
229	Miscellaneous textile goods	64.2	65.6	63.4	64.6	65.1	52.3	53.6	51.2	52.3	52.9	
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,255.1	1,278.3	1,255.0	1,294.9	1,293.8	1,080.9	1,102.3	1,074.6	1,113.3	1,113.3	
231	Men's and boys' suits and coats	85.7	85.8	84.6	89.0	89.6	74.4	74.8	74.8	78.6	79.0	
232	Men's and boys' furnishings	359.8	363.6	373.9	387.3	385.7	308.7	312.0	319.3	331.6	330.3	
2321	Men's and boys' shirts and nightwear	112.5	113.2	115.3	119.6	—	98.1	98.8	100.2	104.0	—	
2327	Men's and boys' separate trousers	80.2	81.6	83.7	87.8	—	70.1	71.5	73.1	76.6	—	
2328	Men's and boys' work clothing	87.2	88.2	89.9	92.6	—	72.3	72.9	73.2	76.0	—	
233	Women's and misses' outerwear	388.0	395.9	375.4	379.9	— (*)	340.6	347.7	327.8	332.4	— (*)	
2331	Women's and misses' blouses and waists	49.3	50.6	47.7	48.3	—	43.5	44.6	42.0	42.4	—	
2335	Women's and misses' dresses	169.9	172.7	162.2	164.6	—	152.5	155.5	144.7	147.4	—	
2337	Women's and misses' suits and coats	63.0	64.1	57.9	59.2	—	53.6	54.4	49.3	50.7	—	
2339	Women's and misses' outerwear, nec	105.8	108.5	107.6	107.6	—	91.0	93.2	91.8	91.9	—	
234	Women's and children's undergarments	98.8	101.9	97.7	102.4	102.1	84.1	86.9	82.6	87.1	86.8	
2341	Women's and children's underwear	75.5	77.8	73.7	77.7	—	65.4	67.5	63.6	67.4	—	
2342	Corsets and allied garments	23.3	24.1	24.0	24.7	—	18.7	19.4	19.0	19.7	—	
235	Hats, caps, and millinery	15.4	15.4	15.4	16.0	—	13.5	13.5	13.2	14.0	—	
236	Children's outerwear	72.4	73.8	73.6	73.9	72.8	62.8	64.4	62.6	63.5	62.5	
2361	Children's dresses and blouses	28.5	29.3	30.6	30.1	—	25.7	26.6	27.4	27.0	—	
237,8	Fur goods and miscellaneous apparel	65.2	66.6	64.4	68.2	—	56.4	57.7	55.2	59.0	—	
239	Miscellaneous fabricated textile products	169.8	175.3	170.0	178.4	183.7	140.4	145.3	139.1	147.1	151.8	
2391,2	Housefurnishings	73.0	76.1	71.8	77.1	—	61.6	64.0	59.6	64.8	—	
26	PAPER AND ALLIED PRODUCTS	644.9	649.0	678.7	684.6	684.9	484.5	488.8	514.5	519.6	519.3	
261,2,6	Paper and pulp mills	192.0	192.0	200.9	203.3	202.4	146.6	146.6	154.4	155.9	155.1	
263	Paperboard mills	66.8	66.5	71.6	71.3	70.9	52.4	52.4	56.5	56.8	56.3	
264	Miscellaneous converted paper products	189.4	190.4	196.8	199.3	— (*)	134.4	135.6	140.4	143.0	— (*)	
2643	Bags, except textile bags	41.3	41.8	42.3	42.8	—	33.0	33.3	33.4	34.1	—	
265	Paperboard containers and boxes	196.7	200.1	209.4	210.7	211.2	151.1	154.2	163.2	163.9	164.1	
2651,2	Folding and setup paperboard boxes	54.9	56.4	58.6	60.3	—	43.9	45.3	47.9	49.2	—	
2653	Corrugated and solid fiber boxes	95.6	96.8	101.5	101.7	—	69.9	71.2	74.9	75.0	—	
2654	Sanitary food containers	28.7	29.2	31.1	31.0	—	23.7	24.0	25.8	25.7	—	
27	PRINTING AND PUBLISHING	1,069.5	1,072.4	1,076.4	1,079.3	1,083.5	628.4	631.9	624.7	627.9	630.5	
271	Newspapers	376.2	375.8	382.9	384.1	— (*)	166.5	167.0	165.3	164.9	— (*)	
272	Periodicals	69.4	69.3	69.9	59.8	—	18.2	18.2	18.5	19.3	—	
273	Books	90.6	90.1	86.7	86.8	—	48.3	47.7	45.4	45.7	—	
275	Commercial printing	354.7	358.0	355.3	357.2	358.7	267.2	27.0	266.8	268.6	269.9	
2751	Commercial printing, except lithographic	201.1	202.7	202.0	203.0	—	154.0	155.4	154.3	154.9	—	
2752	Commercial printing, lithographic	144.1	145.7	143.4	144.3	—	106.1	107.5	105.0	106.2	—	
278	Blankbooks and bookbinding	49.4	49.5	50.5	51.3	51.4	40.8	40.8	41.1	42.0	41.9	
274,6,7,9	Other publishing and printing ind	129.2	129.7	131.1	130.1	— (*)	87.4	88.2	87.6	87.4	— (*)	
28	CHEMICALS AND ALLIED PRODUCTS	1,015.8	1,015.3	1,041.9	1,046.1	1,040.3	571.5	574.3	591.2	597.5	593.3	
281	Industrial chemicals	323.9	323.0	340.4	340.8	338.4	169.8	170.2	181.3	182.5	180.9	
2812	Alkalies and chlorine	21.7	21.5	21.8	21.7	—	15.5	15.4	15.9	15.4	—	
2818	Industrial organic chemicals, nec	134.8	134.6	141.3	141.0	—	57.9	57.7	61.9	62.2	—	
2819	Industrial inorganic chemicals, nec	106.8	105.4	110.2	110.7	—	59.0	58.7	60.8	61.5	—	
282	Plastics materials and synthetics	206.3	206.9	204.0	204.6	205.0	136.6	137.2	135.0	135.9	136.1	
2821	Plastics materials and resins	85.6	86.0	88.4	89.4	—	51.2	52.0	55.2	56.2	—	
2823,4	Synthetic fibers	108.6	108.8	104.1	103.7	—	76.9	76.7	71.7	71.6	—	
283	Drugs	164.2	163.8	169.9	169.7	168.6	80.1	80.1	83.9	84.0	83.6	
2834	Pharmaceutical preparations	131.1	130.9	135.4	135.6	—	61.7	61.8	64.5	64.8	—	
284	Soap, cleaners, and toilet goods	121.1	121.6	122.7	126.9	126.7	70.3	71.5	72.1	76.4	76.0	
2841	Soap and other detergents	38.8	38.7	39.3	40.3	—	25.5	25.8	25.8	26.9	—	
2844	Toilet preparations	49.9	50.8	49.9	52.5	—	28.3	29.5	28.9	31.6	—	
285	Paints and allied products	66.3	65.8	68.3	68.4	66.9	36.0	35.6	37.2	37.2	36.2	
287	Agricultural chemicals	52.9	52.9	54.7	54.4	53.9	31.3	31.9	32.9	32.7	32.3	
2871,2	Fertilizers, complete and mixing only	31.5	31.6	32.0	31.8	—	20.7	21.3	21.4	21.3	—	
286,9	Other chemical products	81.1	81.3	81.9	81.3	80.8	47.4	47.8	48.8	48.8	48.2	
2892	Explosives	17.1	17.0	15.2	15.1	—	11.0	11.0	9.8	10.0	—	
29	PETROLEUM AND COAL PRODUCTS	204.6	203.5	207.1	207.0	205.9	132.1	131.0	135.0	135.2	134.5	
291	Petroleum refining	158.2	157.3	159.1	159.2	158.1	98.1	97.1	99.2	99.9	99.1	
295,9	Other petroleum and coal products	46.4	46.2	48.0	47.8	47.8	34.0	33.9	35.8	35.3	35.4	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^P	Sept. 1976 ^P	Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^P	Sept. 1976 ^P
NONDURABLE GOODS—Continued											
30	RUBBER AND PLASTICS PRODUCTS, NEC...	592.4	604.4	564.8	576.1	636.7	456.3	467.9	426.2	436.3	497.8
301	Tires and inner tubes	116.6	117.0	55.0	53.1	(*)	84.0	84.7	25.0	23.7	(*)
302,3,6	Other rubber products	154.3	158.8	159.2	164.9	(*)	120.0	124.2	123.0	127.6	(*)
302	Rubber footwear	22.8	22.5	18.7	20.8	—	19.1	18.9	15.1	17.2	—
307	Miscellaneous plastics products	321.5	328.6	350.6	358.1	361.2	252.3	259.0	278.2	285.0	287.6
31	LEATHER AND LEATHER PRODUCTS	262.6	262.3	265.0	272.6	268.0	225.8	225.8	228.6	234.9	229.7
311	Leather tanning and finishing	23.4	23.4	23.3	23.6	23.3	20.1	20.3	20.0	20.3	19.8
314	Footwear, except rubber	164.8	163.1	166.5	171.1	167.5	143.6	142.2	146.2	149.7	145.8
312,3,5-7,9	Other leather products	74.4	75.8	75.2	77.9	77.2	62.1	63.3	62.4	64.9	64.1
316	Luggage	16.3	16.9	17.8	18.0	—	13.0	13.5	14.0	14.2	—
317	Handbags and personal leather goods	35.4	36.0	34.5	36.2	—	29.7	30.3	28.9	30.4	—
—	TRANSPORTATION AND PUBLIC UTILITIES	4,493	4,503	4,540	4,527	4,531	3,852	3,862	3,890	3,883	3,884
40	RAILROAD TRANSPORTATION	534.7	529.5	536.6	536.5	—	—	—	—	—	—
4011	Class I railroads ²	488.9	484.2	497.3	497.8	—	—	—	—	—	—
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	236.9	275.9	239.0	234.2	—	—	—	—	—	—
411	Local and suburban transportation	68.2	68.5	67.4	67.5	—	63.0	63.5	61.8	62.1	—
412	Taxicabs	80.8	80.7	77.4	75.8	—	—	—	—	—	—
413	Intercity highway transportation	41.0	39.8	42.5	42.0	—	37.1	35.9	38.7	38.2	—
42	TRUCKING AND WAREHOUSING	1,099.5	1,106.9	1,115.2	1,111.6	—	983.2	991.4	995.7	994.3	—
421,3	Trucking and trucking terminals	1,011.2	1,017.5	1,030.0	1,026.4	—	907.6	914.5	923.4	920.8	—
422	Public warehousing	88.3	89.4	85.2	85.2	—	75.6	76.9	72.3	73.5	—
45	TRANSPORTATION BY AIR	368.1	357.9	374.3	375.2	—	—	—	—	—	—
451,2	Air transportation	331.7	321.9	339.4	339.8	—	—	—	—	—	—
46	PIPELINE TRANSPORTATION	17.1	16.6	17.2	17.1	—	13.1	12.7	12.8	12.7	—
44,47	OTHER TRANSPORTATION AND SERVICES	330.1	327.3	354.9	349.5	—	—	—	—	—	—
44	WATER TRANSPORTATION	190.3	187.5	207.6	202.1	—	—	—	—	—	—
47	TRANSPORTATION SERVICES	139.8	139.8	147.3	147.4	—	—	—	—	—	—
48	COMMUNICATION	1,169.9	1,165.0	1,157.8	1,158.7	—	901.2	897.4	892.0	894.0	—
481	Telephone communication	963.6	958.8	949.3	948.4	—	735.7	732.0	722.4	723.4	—
482	Telegraph communication ³	18.6	18.6	17.3	17.2	—	13.0	13.0	12.7	12.7	—
483	Radio and television broadcasting	155.2	155.0	157.3	159.0	—	124.4	124.3	127.3	128.1	—
49	ELECTRIC, GAS, AND SANITARY SERVICES	736.8	724.2	744.9	744.4	—	614.7	602.5	619.2	618.7	—
491	Electric companies and systems	310.4	305.0	315.3	315.3	—	255.9	250.8	259.5	259.5	—
492	Gas companies and systems	164.2	160.7	163.8	163.3	—	136.9	133.1	135.4	135.1	—
493	Combination companies and systems	196.2	194.1	197.0	197.0	—	165.5	163.7	165.0	164.9	—
494-7	Water, steam, and sanitary systems	66.0	64.4	68.8	68.8	—	56.4	54.9	59.3	59.2	—
—	WHOLESALE AND RETAIL TRADE	16,959	17,084	17,517	17,522	17,681	14,973	15,102	15,480	15,511	15,616
50	WHOLESALE TRADE	4,192	4,194	4,297	4,311	4,318	3,479	3,477	3,560	3,577	3,579
501	Motor vehicles and automotive equipment	367.4	366.7	385.2	383.9	—	300.2	299.5	314.8	313.9	—
502	Drugs, chemicals, and allied products	239.3	239.7	242.9	243.1	—	192.6	192.6	193.2	193.8	—
503	Dry goods and apparel	153.5	153.8	154.3	157.2	—	120.3	120.3	120.7	123.3	—
504	Groceries and related products	606.5	609.0	632.1	636.5	—	529.2	532.0	552.0	556.4	—
506	Electrical goods	320.2	321.0	318.7	318.2	—	270.3	270.1	268.7	268.8	—
507	Hardware, plumbing and heating equipment	183.1	182.3	187.9	188.4	—	152.3	151.2	155.8	156.8	—
508	Machinery, equipment, and supplies	878.1	874.1	891.1	894.9	—	728.3	723.1	734.8	738.9	—
509	Miscellaneous wholesalers	1,342.5	1,342.4	1,378.4	1,377.2	—	1,102.5	1,102.0	1,132.9	1,133.4	—
52-59	RETAIL TRADE	12,767	12,890	13,220	13,241	13,363	11,494	11,625	11,920	11,934	12,037
53	Retail General Merchandise	2,375.9	2,442.3	2,439.0	2,440.2	—	2,169.2	2,236.6	2,239.1	2,239.9	—
531	Department stores	1,584.3	1,635.2	1,654.1	1,652.8	—	1,451.1	1,502.1	1,528.0	1,525.2	—
532	Mail order houses	118.7	124.9	108.1	110.2	—	111.9	118.1	100.9	103.2	—
533	Variety stores	298.5	306.3	296.6	298.4	—	275.9	284.4	276.5	278.7	—
54	FOOD STORES	1,925.9	1,948.7	1,980.5	1,974.2	—	1,784.6	1,805.8	1,830.0	1,823.1	—
541-3	Grocery, meat, and vegetable stores	1,753.3	1,773.0	1,798.1	1,790.5	—	1,624.2	1,642.3	1,661.5	1,654.2	—

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^P	Sept. 1976 ^P	Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^P	Sept. 1976 ^P
WHOLESALE AND RETAIL TRADE—Continued											
56	APPAREL AND ACCESSORY STORES	762.6	778.3	780.7	781.9	—	666.9	681.8	680.8	681.2	—
561	Men's and boys' clothing and furnishings	131.5	132.8	139.1	136.9	—	113.9	114.9	121.0	119.0	—
562	Women's ready-to-wear stores	283.0	290.9	288.7	291.3	—	248.9	256.2	253.5	255.5	—
565	Family clothing stores	119.8	120.8	122.0	121.4	—	108.9	109.9	110.3	109.9	—
566	Shoe stores	159.2	163.7	159.5	160.6	—	133.6	138.4	133.4	134.2	—
57	FURNITURE AND HOME FURNISHINGS STORES	506.1	509.1	531.5	531.3	—	429.5	431.6	448.6	449.4	—
571	Furniture and home furnishings	311.1	312.5	323.5	322.9	—	264.5	265.3	275.6	275.5	—
58	EATING AND DRINKING PLACES	3,418.5	3,431.7	3,569.9	3,602.5	—	3,195.0	3,211.2	3,335.4	3,365.7	—
52,55,59	OTHER RETAIL TRADE	3,778.2	3,779.9	3,918.2	3,911.1	—	3,248.5	3,258.2	3,385.6	3,374.8	—
52	Building materials and farm equipment	620.3	614.3	647.5	643.0	—	530.7	526.1	556.3	552.6	—
56	Automotive dealers and service stations	1,717.8	1,714.8	1,765.7	1,761.8	—	—	—	—	—	—
551,2	Motor vehicle dealers	763.7	765.8	791.4	792.5	—	636.4	638.1	662.5	661.8	—
553,9	Other automotive and accessory dealers	328.1	321.8	342.5	341.2	—	276.0	270.2	290.5	288.9	—
554	Gasoline service stations	626.0	627.2	631.8	628.1	—	—	—	—	—	—
59	Miscellaneous retail stores	1,440.1	1,450.8	1,505.0	1,506.3	—	—	—	—	—	—
591	Drug stores and proprietary stores	464.3	469.1	472.7	474.8	—	414.5	418.8	421.5	423.5	—
594	Book and stationery stores	75.6	79.8	78.8	79.2	—	63.8	68.2	66.0	66.5	—
596	Farm and garden supply stores	128.8	129.5	138.0	135.2	—	—	—	—	—	—
598	Fuel and ice dealers	94.4	94.4	95.1	95.2	—	80.2	80.1	80.0	79.9	—
FINANCE, INSURANCE, AND REAL ESTATE⁴											
		4,273	4,243	4,368	4,371	4,349	3,273	3,240	3,344	3,346	3,321
60	Banking	1,287.4	1,277.6	1,311.3	1,313.9	—	1,018.4	1,008.5	1,035.1	1,036.8	—
61	Credit agencies other than banks	442.0	440.7	466.5	467.8	—	338.8	337.3	358.4	359.8	—
612	Savings and loan associations	169.2	169.5	188.1	188.9	—	136.6	136.4	152.0	152.5	—
614	Personal credit institutions	193.5	191.7	195.1	195.0	—	—	—	—	—	—
62	Security, commodity brokers and services	173.1	172.3	176.5	176.3	—	142.0	140.9	143.5	143.2	—
63	Insurance carriers	1,106.7	1,102.3	1,115.4	1,118.2	—	745.0	741.8	754.4	757.2	—
631	Life insurance	524.7	521.0	516.1	516.9	—	305.0	301.6	295.8	296.5	—
632	Accident and health insurance	118.2	119.5	122.3	122.3	—	97.7	99.5	100.0	100.2	—
633	Fire, marine, and casualty insurance	406.0	404.1	415.4	416.8	—	294.8	293.4	307.8	309.0	—
64	Insurance agents, brokers, and service	333.4	332.7	342.3	343.2	—	—	—	—	—	—
65	Real estate	815.3	804.1	838.0	833.5	—	—	—	—	—	—
655	Subdividers and developers	125.0	120.4	125.1	122.5	—	—	—	—	—	—
658	Operative builders	58.3	56.5	58.7	58.4	—	—	—	—	—	—
66,67	Other finance, insurance, and real estate	114.6	113.4	117.6	117.9	—	—	—	—	—	—
SERVICES											
		14,162	14,113	14,784	14,814	14,755	12,754	12,710	13,311	13,336	13,278
70	Hotels and other lodging places	1,122.6	1,020.4	1,153.1	1,170.1	—	—	—	—	—	—
701	Hotels, tourist courts, and motels	881.2	839.5	891.6	901.8	—	819.3	778.0	829.3	839.4	—
72	Personal services	828.4	832.4	824.1	818.0	—	—	—	—	—	—
721	Laundries and dry cleaning plants	360.5	357.9	357.2	354.4	—	323.1	320.7	320.0	317.7	—
722	Photographic studios	42.5	46.5	42.5	43.3	—	37.7	42.0	37.0	37.9	—
73	Miscellaneous business services	2,002.7	2,029.8	2,135.0	2,147.6	—	—	—	—	—	—
731	Advertising	119.6	119.5	126.2	126.5	—	—	—	—	—	—
732	Credit reporting and collection	79.7	79.9	82.1	82.8	—	—	—	—	—	—
734	Services to buildings	390.3	395.5	410.6	412.0	—	—	—	—	—	—
76	Miscellaneous repair services	219.2	216.5	220.0	219.3	—	—	—	—	—	—
78	Motion pictures	220.8	214.2	217.1	217.9	—	—	—	—	—	—
781	Motion picture filming and distributing	68.5	67.4	66.9	67.4	—	48.6	48.4	52.2	53.0	—
782,3	Motion picture theaters and services	152.3	146.8	150.2	150.5	—	—	—	—	—	—
80	Medical and other health services	4,225.6	4,236.5	4,443.4	4,487.6	—	—	—	—	—	—
808	Hospitals	2,302.1	2,306.5	2,373.9	2,408.9	—	2,105.7	2,109.8	2,163.3	2,198.4	—
81	Legal services	349.6	343.2	382.7	381.5	—	—	—	—	—	—
82	Educational services	1,024.4	1,169.9	1,073.0	1,051.4	—	—	—	—	—	—
821	Elementary and secondary schools	324.4	393.4	343.1	337.2	—	—	—	—	—	—
822	Colleges and universities	556.7	624.9	567.0	550.0	—	—	—	—	—	—
88	Miscellaneous services	881.9	875.3	909.7	914.6	—	—	—	—	—	—
891	Engineering and architectural services	405.8	402.8	414.7	415.9	—	—	—	—	—	—
892	Nonprofit research agencies	144.0	140.1	153.9	155.2	—	—	—	—	—	—

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^p	Sept. 1976 ^p	Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^p	Sept. 1976 ^p
—	GOVERNMENT	14, 112	14, 560	14, 475	14, 372	14, 802					
91	FEDERAL GOVERNMENT ⁵	2, 775	2, 746	2, 775	2, 754	2, 732	—	—	—	—	—
	Executive	2, 726.4	2, 697.5	2, 724.1	2, 704.2	—	—	—	—	—	
	Department of Defense	961.2	949.6	938.5	929.3	—	—	—	—	—	
	Postal Service	694.3	691.2	670.7	667.8	—	—	—	—	—	
	Other agencies	1, 070.9	1, 056.7	1, 114.9	1, 107.1	—	—	—	—	—	
	Legislative	38.4	37.8	39.6	39.5	—	—	—	—	—	
	Judicial	10.3	10.5	11.1	10.2	—	—	—	—	—	
92,93	STATE AND LOCAL GOVERNMENT	11, 337	11, 814	11, 700	11, 618	12, 070					
92	State government	3, 038.4	3, 170.5	3, 144.3	3, 134.1	—	—	—	—	—	
	State education	1, 134.9	1, 306.8	1, 240.6	1, 221.8	—	—	—	—	—	
	Other State government	1, 903.5	1, 863.7	1, 903.7	1, 912.3	—	—	—	—	—	
93	Local government	8, 298.4	8, 643.9	8, 555.7	8, 484.1	—	—	—	—	—	
	Local education	4, 023.5	4, 678.5	4, 267.7	4, 212.4	—	—	—	—	—	
	Other local government	4, 274.9	3, 965.4	4, 288.0	4, 271.7	—	—	—	—	—	

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

² Beginning January 1965, data relate to line haul railroads with operating revenues of \$5,000,000 or more.

³ Data for nonsupervisory workers exclude messengers.

⁴ Data for nonoffice sales agents excluded from nonsupervisory count for all series in this division.

⁵ Prepared by the U.S. Civil Service Commission. Data relate to civilian employment only and exclude Central Intelligence and National Security Agencies.

^{*} Not available.

^{**} Revised data for *Telegraph Communication* (SIC 482) are: May 1976—all employees 17.5, nonsupervisory workers 12.9. June 1976—all employees 17.3, nonsupervisory workers 12.7. p=preliminary.

c=Corrects data published in *The Employment Situation: September 1976* press release USDL 76-1299, issued October 8, 1976.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

B-5. Employees on nonagricultural payrolls, by industry division and major manufacturing group, seasonally adjusted
(In thousands)

Industry division and group	1975				1976								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. ^A	Sept. ^B
TOTAL	77,310	77,555	77,574	77,796	78,179	78,368	78,630	78,963	78,923	78,943	79,176	79,317	79,561
GOODS-PRODUCING	22,601	22,669	22,657	22,743	22,914	22,901	23,013	23,144	23,123	23,091	23,094	23,061	23,232
MINING	752	774	766	769	764	763	770	772	773	779	788	749	788
CONTRACT CONSTRUCTION	3,432	3,402	3,409	3,406	3,428	3,375	3,366	3,399	3,386	3,362	3,373	3,344	3,331
MANUFACTURING	18,417	18,493	18,482	18,568	18,722	18,763	18,877	18,973	18,964	18,950	18,933	18,968	19,113
DURABLE GOODS	10,650	10,661	10,653	10,717	10,820	10,846	10,937	11,000	11,046	11,046	11,029	11,083	11,145
Ordnance and accessories	165	164	161	163	162	162	161	161	161	158	157	156	154
Lumber and wood products	568	576	576	581	592	595	596	597	600	602	605	607	618
Furniture and fixtures	464	467	470	473	477	484	487	492	495	490	488	487	497
Stone, clay, and glass products	615	615	616	616	616	612	616	624	626	627	630	629	631
Primary metal industries	1,169	1,149	1,146	1,158	1,162	1,168	1,173	1,181	1,187	1,197	1,204	1,214	1,231
Fabricated metal products	1,340	1,344	1,339	1,344	1,358	1,369	1,381	1,389	1,391	1,388	1,386	1,396	1,396
Machinery, except electrical	2,035	2,039	2,032	2,030	2,039	2,039	2,049	2,054	2,064	2,065	2,077	2,082	2,102
Electrical equipment and supplies	1,755	1,767	1,764	1,773	1,785	1,795	1,818	1,828	1,833	1,833	1,817	1,842	1,841
Transportation equipment	1,643	1,641	1,648	1,676	1,712	1,699	1,726	1,739	1,748	1,747	1,733	1,744	1,741
Instruments and related products	486	490	492	494	498	501	505	510	512	512	511	509	513
Miscellaneous manufacturing	410	409	409	409	419	422	425	425	429	427	421	417	421
NONDURABLE GOODS	7,767	7,832	7,829	7,851	7,902	7,917	7,940	7,973	7,918	7,904	7,904	7,885	7,968
Food and kindred products	1,693	1,695	1,688	1,688	1,700	1,709	1,695	1,707	1,712	1,716	1,714	1,717	1,731
Tobacco manufactures	80	79	81	79	79	77	75	75	75	74	80	77	76
Textile mill products	938	953	950	955	958	964	964	972	973	969	965	969	977
Apparel and other textile products	1,261	1,287	1,290	1,299	1,314	1,306	1,322	1,317	1,315	1,315	1,311	1,285	1,276
Paper and allied products	648	652	652	658	665	667	671	674	687	677	679	678	684
Printing and publishing	1,075	1,071	1,072	1,074	1,069	1,069	1,075	1,077	1,079	1,076	1,080	1,081	1,086
Chemicals and allied products	1,011	1,019	1,020	1,018	1,024	1,029	1,030	1,033	1,031	1,027	1,034	1,038	1,036
Petroleum and coal products	200	201	202	201	203	204	204	204	203	202	201	202	203
Rubber and plastics products, nec	599	608	604	608	615	617	627	634	573	573	569	572	631
Leather and leather products	262	267	270	271	275	275	277	280	279	275	271	266	268
SERVICE-PRODUCING	54,709	54,886	54,917	55,053	55,265	55,467	55,617	55,819	55,800	55,852	56,082	56,256	56,329
TRANSPORTATION AND PUBLIC UTILITIES	4,467	4,476	4,496	4,477	4,494	4,517	4,498	4,510	4,498	4,477	4,500	4,500	4,495
WHOLESALE AND RETAIL TRADE ..	17,045	17,043	17,010	17,080	17,233	17,326	17,386	17,444	17,439	17,460	17,567	17,611	17,641
WHOLESALE TRADE	4,181	4,180	4,174	4,190	4,214	4,236	4,236	4,255	4,262	4,254	4,267	4,277	4,305
RETAIL TRADE	12,864	12,863	12,836	12,890	13,019	13,090	13,150	13,189	13,177	13,206	13,300	13,334	13,336
FINANCE, INSURANCE, AND REAL ESTATE	4,239	4,246	4,248	4,264	4,266	4,266	4,276	4,293	4,278	4,297	4,303	4,315	4,345
SERVICES	14,113	14,157	14,188	14,229	14,307	14,360	14,422	14,498	14,514	14,557	14,623	14,696	14,755
Hotels and other lodging places	982	993	997	990	999	1,008	1,004	1,009	1,016	1,006	1,023	1,027	-
Personal services	833	831	832	835	833	833	826	825	824	820	824	823	-
Medical and other health services	4,241	4,258	4,273	4,304	4,317	4,333	4,359	4,389	4,414	4,435	4,417	4,474	-
Educational services	1,225	1,233	1,236	1,241	1,237	1,243	1,257	1,264	1,253	1,246	1,246	1,244	-
GOVERNMENT	14,845	14,964	14,975	15,003	14,965	14,998	15,035	15,074	15,071	15,061	15,089	15,134	15,093
FEDERAL	2,765	2,767	2,761	2,755	2,746	2,740	2,732	2,730	2,727	2,725	2,721	2,735	2,751
STATE AND LOCAL	12,080	12,197	12,214	12,248	12,219	12,258	12,303	12,344	12,344	12,336	12,368	12,399	12,342

p = preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT**

**B-6. Production or nonsupervisory workers¹ on private nonagricultural payrolls,
by industry division and major manufacturing group, seasonally adjusted**

[In thousands]

Industry division and group	1975				1976								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. ^P	Sept. ^P
TOTAL	51,315	51,435	51,420	51,592	51,963	52,103	52,293	52,551	52,524	52,525	52,710	52,817	53,041
GOODS-PRODUCING	16,467	16,532	16,512	16,600	16,744	16,723	16,815	16,942	16,924	16,883	16,887	16,856	17,010
MINING	569	585	581	587	582	577	583	586	585	590	598	558	596
CONTRACT CONSTRUCTION	2,741	2,712	2,709	2,702	2,714	2,659	2,655	2,688	2,683	2,663	2,682	2,658	2,641
MANUFACTURING	13,157	13,235	13,222	13,311	13,448	13,487	13,577	13,668	13,656	13,630	13,607	13,640	13,773 ^C
DURABLE GOODS	7,527	7,548	7,539	7,603	7,698	7,722	7,795	7,858	7,900	7,890	7,872	7,924	7,979
Ordnance and accessories	75	75	71	73	73	73	73	74	73	72	71	71	68
Lumber and wood products	475	483	481	485	496	497	498	500	502	504	507	509	521
Furniture and fixtures	379	381	384	387	390	397	399	404	408	402	399	400	409
Stone, clay, and glass products	488	488	489	489	489	486	489	497	499	500	503	501	503
Primary metal industries	911	894	892	903	907	911	917	925	931	940	949	956	971
Fabricated metal products	1,000	1,004	1,000	1,006	1,020	1,030	1,040	1,049	1,051	1,046	1,044	1,052	1,054
Machinery, except electrical	1,314	1,319	1,310	1,308	1,317	1,318	1,326	1,328	1,337	1,333	1,341	1,347	1,360
Electrical equipment and supplies	1,139	1,151	1,147	1,160	1,171	1,179	1,197	1,209	1,215	1,214	1,200	1,225	1,223
Transportation equipment	1,140	1,144	1,155	1,182	1,211	1,202	1,224	1,236	1,241	1,239	1,224	1,236	1,235
Instruments and related products	291	295	296	298	302	304	305	310	313	313	313	310	314
Miscellaneous manufacturing	315	314	314	312	322	325	327	326	330	327	321	317	321
NONDURABLE GOODS	5,630	5,687	5,683	5,708	5,750	5,765	5,782	5,810	5,756	5,740	5,735	5,716	5,794 ^C
Food and kindred products	1,150	1,154	1,143	1,144	1,156	1,166	1,153	1,164	1,168	1,171	1,172	1,171	1,185
Tobacco manufactures	66	65	67	66	66	64	62	62	62	61	67	64	63
Textile mill products	819	832	831	836	837	841	842	848	850	845	841	848	856
Apparel and other textile products	1,086	1,107	1,112	1,121	1,133	1,127	1,140	1,135	1,132	1,133	1,126	1,103	1,097
Paper and allied products	487	490	492	497	502	505	508	512	515	515	515	514	518
Printing and publishing	632	630	629	631	627	626	629	630	632	629	630	631	631
Chemicals and allied products	573	579	580	579	583	587	588	590	589	585	589	592	592
Petroleum and coal products	128	129	130	130	131	132	152	133	132	130	130	131	131
Rubber and plastics products, nec	463	471	466	470	477	479	488	494	435	433	431	433	492
Leather and leather products	226	230	233	234	238	238	240	242	241	238	234	229	229
SERVICE-PRODUCING	34,848	34,903	34,908	34,992	35,219	35,380	35,478	35,609	35,600	35,642	35,823	35,961	36,031
TRANSPORTATION AND PUBLIC UTILITIES	3,828	3,835	3,854	3,832	3,854	3,880	3,863	3,869	3,851	3,832	3,851	3,856	3,849
WHOLESALE AND RETAIL TRADE ..	15,076	15,077	15,031	15,087	15,226	15,304	15,349	15,411	15,409	15,418	15,524	15,572	15,590
WHOLESALE TRADE	3,463	3,459	3,452	3,467	3,492	3,509	3,505	3,520	3,528	3,519	3,532	3,542	3,565
RETAIL TRADE	11,613	11,618	11,579	11,620	11,734	11,795	11,844	11,891	11,881	11,899	11,992	12,030	12,025
FINANCE, INSURANCE, AND REAL ESTATE	3,234	3,232	3,240	3,251	3,258	3,258	3,268	3,276	3,260	3,280	3,282	3,290	3,314
SERVICES	12,710	12,759	12,783	12,822	12,881	12,938	12,998	13,053	13,080	13,112	13,166	13,243	13,278

¹ For coverage of series, see footnote 1, table B-2.
c=See note on correction, table B=2.

p=preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

B-7. Indexes of diffusion: Percent of industries in which employment¹ increased, 1973 to date

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1973				
January	76.7	84.0	81.7	81.1
February	75.0	83.7	79.4	80.8
March	73.8	76.2	79.4	82.6
April	62.5	71.5	74.7	81.4
May	59.9	70.3	72.1	79.7
June	68.0	63.1	66.6	78.5
July	55.8	66.9	72.1	75.6
August	63.1	64.8	72.7	73.5
September	61.6	74.7	73.0	69.2
October	72.7	75.9	75.6	66.0
November	75.0	76.5	70.3	66.6
December	66.6	70.1	66.0	64.2
1974				
January	59.3	62.8	60.8	63.4
February	52.6	53.8	55.2	59.6
March	46.5	48.0	49.7	55.2
April	47.1	48.3	48.5	50.3
May	55.2	51.7	49.7	40.1
June	53.2	52.6	45.6	28.2
July	52.3	45.1	37.2	27.0
August	45.9	39.2	31.1	22.4
September	36.0	40.4	23.3	20.9
October	37.8	28.8	17.7	18.6
November	20.1	21.5	17.2	16.6
December	18.6	13.4	13.1	14.0
1975				
January	18.6	12.5	13.4	16.6
February	16.6	13.7	13.1	17.4
March	25.0	19.2	16.3	17.4
April	40.4	35.8	27.9	20.9
May	53.8	40.4	40.1	25.9
June	40.4	48.5	60.8	40.4
July	55.2	55.8	67.4	50.3
August	73.5	80.2	67.4	62.5
September	81.7	81.4	76.5	71.2
October	64.8	70.3	79.4	75.9
November	54.7	68.9	82.0	79.1
December	66.6	72.7	75.6	81.4
1976				
January	75.0	78.8	80.2	84.6
February	70.1	81.7	77.9	79.9p
March	70.9	78.8	74.4	77.3p
April	75.3	77.3	75.3	
May	66.3	67.7	70.1p	
June	42.4	57.8	67.4p	
July	53.8	51.5p		
August	56.4p	65.7p		
September	66.6p			
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			Contract construction			Manufacturing		
	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P
1 ALABAMA	1,167.9	1,187.3	1,183.8	12.2	12.0	7.1	73.0	71.2	73.5	324.9	327.7	329.7
2 Birmingham	308.7	310.6	304.7	7.9	8.1	4.1	20.3	20.4	20.6	67.3	65.2	63.7
3 Huntsville	99.8	101.7	102.3	(1)	(1)	(1)	5.1	4.6	4.6	22.8	25.6	26.7
4 Mobile	124.1	125.9	125.9	(1)	(1)	(1)	10.1	8.6	8.6	26.0	26.9	26.9
5 Montgomery	88.1	87.7	87.5	(1)	(1)	(1)	5.9	6.0	6.0	13.3	13.5	13.5
6 Tuscaloosa	45.9	43.8	43.7	(1)	(1)	(1)	3.0	3.3	3.3	11.5	8.9	9.4
7 ALASKA	181.8	186.8	188.5	4.3	4.6	4.5	37.7	43.4	42.0	12.2	13.9	14.5
8 ARIZONA	714.2	731.3	731.9	23.2	23.8	24.1	41.4	38.8	40.7	97.4	98.8	100.1
9 Phoenix	423.7	434.2	434.3	.4	.4	.4	23.6	21.8	23.0	70.0	72.4	73.7
10 Tucson	141.6	142.2	141.5	7.7	7.4	7.5	9.2	8.5	9.2	12.0	12.0	12.1
11 ARKANSAS	619.9	636.3	639.6	4.3	4.2	4.3	32.2	32.5	32.8	179.5	189.0	191.0
12 Fayetteville-Springdale	47.2	49.1	49.9	(1)	(1)	(1)	2.2	2.3	2.2	14.6	15.9	15.9
13 Fort Smith	54.9	55.7	57.1	.3	.3	.4	2.5	2.3	2.4	20.1	20.8	21.7
14 Little Rock-North Little Rock	151.1	152.8	153.8	(1)	(1)	(1)	9.8	8.3	8.6	27.3	27.6	28.2
15 Pine Bluff	25.0	25.0	25.1	(1)	(1)	(1)	1.3	1.1	1.1	5.7	5.6	5.7
16 CALIFORNIA	7,832.0	7,967.8	7,994.0	32.4	33.8	33.8	292.5	281.0	286.9	1,613.2	1,594.8	1,633.7
17 Anaheim-Santa Ana-Garden Grove	574.2	602.9	603.2	2.2	2.2	2.2	22.3	24.3	25.0	152.1	157.4	158.4
18 Bakersfield	102.4	107.4	106.1	7.4	7.6	7.6	3.8	4.0	4.0	8.9	8.7	8.0
19 Fresno	147.1	152.0	151.0	.8	.8	.8	7.1	6.8	7.0	21.4	21.1	21.7
20 Los Angeles-Long Beach	3,030.0	3,075.1	3,063.7	11.1	11.4	11.4	96.2	92.7	93.6	768.0	772.2	774.5
21 Modesto	78.1	71.3	80.2	.1	.1	.1	3.8	3.6	4.0	26.9	19.0	27.4
22 Oxnard-Simi Valley-Ventura	111.4	114.4	113.1	1.7	1.8	1.8	4.0	3.5	3.4	15.9	15.9	16.1
23 Riverside-San Bernardino-Ontario	330.5	334.1	333.8	2.4	2.4	2.4	12.7	11.8	12.6	51.4	52.1	52.7
24 Sacramento	318.1	321.5	327.4	.4	.4	.4	13.9	12.5	13.0	26.1	23.3	28.1
25 Salinas-Seaside-Monterey	75.9	75.5	75.5	.6	.6	.6	2.6	2.5	2.7	9.7	8.4	8.5
26 San Diego	467.6	477.9	479.4	.5	.5	.5	20.2	20.1	21.2	70.8	71.4	71.3
27 San Francisco-Oakland	1,331.2	1,332.8	1,338.6	1.6	1.6	1.6	58.5	56.6	57.8	190.7	188.6	196.3
28 San Jose	476.8	490.8	498.2	.1	.1	.1	17.6	17.6	18.7	160.4	161.6	167.3
29 Santa Barbara-Santa Maria-Lompoc	91.3	96.6	97.1	.7	.7	.7	3.3	3.2	3.2	12.0	12.4	12.7
30 Santa Rosa	65.3	68.7	68.8	.2	.2	.2	3.8	3.8	3.9	9.3	9.9	10.4
31 Stockton	107.3	102.0	109.4	.1	.1	.1	4.3	4.2	4.6	24.8	18.9	25.5
32 Vallejo-Fairfield-Napa	81.6	82.5	82.8	.1	.1	.1	3.8	3.3	3.5	9.0	8.8	9.0
33 COLORADO	955.5	980.3	981.2	19.3	20.6	20.8	64.2	58.4	58.9	136.4	141.0	141.9
34 Denver-Boulder	604.4	617.9	617.9	7.5	8.2	8.1	41.6	37.7	38.3	93.1	94.9	95.5
35 CONNECTICUT	1,207.4	1,230.3	1,224.4	(2)	(2)	(2)	48.4	40.4	43.1	372.3	392.9	387.7
36 Bridgeport	146.1	147.3	147.1	(2)	(2)	(2)	4.8	4.8	4.8	57.3	58.0	57.9
37 Hartford	331.4	334.3	328.9	(2)	(2)	(2)	12.2	10.7	10.7	81.5	64.7	80.4
38 New Britain	52.7	52.6	53.3	(2)	(2)	(2)	2.5	2.4	2.5	25.0	24.6	25.4
39 New Haven-West Haven	170.8	171.1	171.1	(2)	(2)	(2)	6.9	5.9	6.0	43.2	42.5	41.7
40 Stamford	89.4	92.1	91.6	(2)	(2)	(2)	3.2	3.5	3.2	27.5	28.6	28.7
41 Waterbury	79.4	78.8	78.2	(2)	(2)	(2)	2.7	2.7	2.7	32.0	31.5	31.0
42 DELAWARE	228.7	231.1	230.0	(1)	(1)	(1)	15.5	14.8	14.8	67.3	67.9	66.8
43 Wilmington	203.7	205.7	205.0	(1)	(1)	(1)	14.3	13.3	13.5	64.0	66.0	64.7
44 DISTRICT OF COLUMBIA ³	596.4	597.6	597.5	(1)	(1)	(1)	20.6	20.6	20.7	15.5	16.1	16.2
45 Washington SMSA	1,346.4	1,377.0	1,372.6	(1)	(1)	(1)	74.7	76.5	76.9	47.0	47.0	47.2
46 FLORIDA	2,648.3	2,665.7	(*)	10.9	11.0	(*)	161.3	140.5	(*)	319.8	332.5	(*)
47 Fort Lauderdale-Hollywood	224.6	225.4	(*)	(1)	(1)	(*)	18.4	14.5	(*)	23.9	24.8	(*)
48 Jacksonville	254.7	256.8	(*)	(1)	(1)	(*)	14.6	13.8	(*)	28.8	30.0	(*)
49 Miami	556.3	575.4	(*)	(1)	(1)	(*)	23.2	20.6	(*)	76.9	61.1	(*)
50 Orlando	206.3	207.4	(*)	(1)	(1)	(*)	13.6	13.4	(*)	23.0	23.5	(*)
51 Pensacola	84.1	84.1	(*)	(1)	(1)	(*)	6.7	6.5	(*)	14.0	13.8	(*)
52 Tampa-St. Petersburg	399.7	411.9	(*)	(1)	(1)	(*)	26.6	24.2	(*)	53.2	53.5	(*)
53 West Palm Beach-Boca Raton	136.1	137.8	(*)	(1)	(1)	(*)	11.0	9.6	(*)	17.1	17.4	(*)
54 GEORGIA	1,713.3	1,750.6	1,753.5	6.8	7.2	7.2	79.8	76.2	76.4	438.6	458.1	458.7
55 Atlanta	733.2	741.9	741.3	(1)	(1)	(1)	33.2	33.0	33.3	116.3	120.2	118.3
56 Augusta	100.3	106.4	106.7	(1)	(1)	(1)	5.5	5.4	5.4	31.0	33.4	33.5
57 Columbus	75.5	77.4	77.5	(1)	(1)	(1)	4.7	5.3	5.3	20.7	21.8	21.4
58 Macon	90.6	89.3	89.4	(1)	(1)	(1)	4.6	4.3	4.3	13.9	14.8	14.9
59 Savannah	71.1	73.4	73.6	(1)	(1)	(1)	4.6	4.7	4.6	14.6	15.1	15.2
60 HAWAII	345.3	347.9	346.8	(1)	(1)	(1)	28.8	23.7	23.0	27.4	28.1	27.2
61 Honolulu	290.7	292.2	290.8	(1)	(1)	(1)	24.6	19.9	19.3	20.4	21.2	20.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	
59.8	61.2	61.5	225.8	234.6	235.8	50.2	51.8	51.8	169.0	172.4	172.8	253.0	256.4	251.6	1
22.0	22.9	22.9	72.0	73.0	73.1	19.6	20.0	20.0	51.8	52.7	52.6	47.8	48.3	47.7	2
2.0	2.0	2.0	18.3	18.8	18.9	2.8	2.8	2.8	16.5	16.3	16.2	32.3	31.6	31.1	3
9.4	9.8	9.9	29.2	29.1	29.1	6.0	6.2	6.2	23.7	24.3	24.3	19.7	21.0	20.9	4
4.3	4.2	4.2	20.5	20.2	20.3	5.0	5.2	5.2	15.3	15.2	15.2	23.8	23.4	23.1	5
1.8	1.8	1.8	7.6	7.9	7.8	1.4	1.5	1.5	5.2	5.1	4.6	15.4	15.3	15.3	6
17.8	17.5	17.2	27.2	27.7	27.3	6.6	6.9	7.1	28.8	27.9	28.2	47.2	44.9	47.7	7
38.8	38.9	38.9	173.3	177.6	177.7	42.0	42.6	42.7	135.5	142.4	142.4	162.6	168.4	165.3	8
23.1	23.3	23.2	111.5	115.0	115.3	32.4	33.1	33.2	81.1	84.3	83.9	81.0	83.9	81.6	9
7.7	7.7	7.6	31.2	31.7	31.5	6.0	5.8	5.8	27.7	28.7	28.9	40.1	40.4	38.9	10
37.0	37.0	37.1	135.3	139.6	140.6	28.3	29.9	30.2	91.4	96.3	97.1	111.9	107.8	106.5	11
3.0	3.0	3.0	10.7	11.0	11.0	2.1	2.3	2.3	7.1	7.1	7.1	7.5	7.5	8.4	12
2.9	2.9	2.9	12.1	12.3	12.3	2.0	2.0	2.1	8.6	9.0	9.1	6.4	6.3	6.2	13
11.4	11.7	11.8	34.5	35.1	35.1	10.9	11.4	11.5	26.0	26.6	26.0	31.2	32.1	32.0	14
3.1	3.2	3.2	4.9	5.0	5.0	1.1	1.1	1.1	4.3	4.3	4.4	4.6	4.7	4.6	15
469.4	478.0	475.1	1,775.7	1,827.6	1,829.8	456.4	468.9	471.0	1,591.5	1,638.4	1,641.3	1,600.4	1,645.3	1,622.4	16
17.7	18.7	18.7	145.7	156.0	155.9	35.3	34.6	34.8	114.6	119.1	119.4	86.3	90.6	88.8	17
6.8	7.1	7.2	24.5	26.2	25.4	3.9	3.9	3.9	17.5	18.8	18.2	29.6	31.1	31.2	18
9.4	9.3	9.4	38.7	39.8	39.8	7.2	7.3	7.3	28.4	31.0	31.5	34.1	35.9	33.5	19
175.4	181.4	178.8	689.1	707.3	706.8	187.5	190.5	191.0	636.9	646.5	643.8	465.8	473.1	463.8	20
3.3	3.3	3.4	14.8	15.3	15.2	2.0	1.9	1.9	13.7	14.0	14.1	13.5	13.9	14.1	21
4.4	4.5	4.4	25.9	27.1	27.1	4.4	4.4	4.4	21.0	21.4	21.5	34.1	35.8	34.4	22
18.6	18.7	18.5	80.5	83.2	82.8	12.3	12.4	12.4	67.1	68.0	67.8	85.5	85.5	84.6	23
17.1	17.6	17.7	69.7	71.9	72.9	13.9	14.2	14.4	50.7	52.4	52.6	126.3	129.2	128.3	24
4.5	4.5	4.5	19.7	20.1	20.2	2.9	3.0	3.0	15.8	15.8	15.9	20.1	20.6	20.3	25
23.0	23.1	23.3	109.2	112.6	113.2	25.8	26.9	26.9	102.6	104.0	105.4	115.5	119.3	117.0	28
124.1	122.9	122.5	287.9	290.2	291.1	114.2	116.1	116.2	266.0	270.9	271.5	288.2	285.9	283.6	27
19.0	18.8	18.7	91.0	96.0	96.5	19.1	19.5	19.5	96.6	102.9	103.6	73.0	74.3	73.8	28
3.0	3.0	3.0	20.8	22.0	22.2	4.2	4.2	4.2	24.3	23.9	24.1	23.0	27.2	27.0	29
3.3	3.3	3.5	15.9	16.6	16.8	4.2	4.4	4.4	12.2	12.9	12.6	16.4	17.4	17.0	30
8.0	8.1	8.4	22.8	22.8	23.3	3.7	3.8	3.8	18.7	19.0	19.1	24.9	25.1	24.6	31
3.9	3.9	3.9	14.7	15.2	15.2	2.2	2.3	2.3	14.0	14.8	14.9	33.9	34.1	33.9	32
61.0	61.4	61.2	230.9	236.7	236.8	57.1	59.8	59.9	188.4	198.1	198.0	198.3	204.4	203.7	33
41.1	40.8	40.7	151.9	156.1	156.1	42.8	44.8	44.7	120.4	127.5	127.0	105.9	107.8	107.4	34
50.8	49.4	49.5	248.3	253.6	252.6	86.8	87.1	86.9	225.3	234.1	233.5	175.5	172.8	171.2	35
5.9	5.9	5.9	30.8	30.6	30.6	6.0	6.0	6.0	25.1	25.5	25.4	16.3	16.5	16.5	36
11.7	11.5	11.6	68.8	70.5	69.5	49.9	49.9	49.9	56.4	57.6	57.2	50.9	49.6	49.2	37
1.5	1.6	1.6	8.8	9.1	8.9	1.5	1.5	1.5	7.6	7.7	7.7	6.0	5.0	5.7	38
13.9	13.9	13.9	34.7	35.4	35.3	8.8	9.2	9.1	41.1	41.8	42.0	22.3	22.4	22.5	39
3.4	3.1	3.0	19.7	20.2	20.2	6.2	6.3	6.3	20.8	21.4	21.1	8.7	9.2	9.2	40
3.0	3.0	3.0	14.0	14.5	14.4	2.9	3.0	3.0	14.7	15.1	15.1	9.5	9.1	9.1	41
11.3	11.5	11.4	46.1	45.5	45.5	11.4	11.4	11.4	37.6	38.6	38.9	39.5	41.4	41.2	42
10.3	10.4	10.4	38.3	37.9	38.1	10.5	10.3	10.3	33.4	34.7	35.0	32.9	33.1	33.0	43
28.9	29.1	29.2	65.0	66.7	66.8	33.3	33.1	33.0	145.3	149.5	149.8	287.8	282.5	281.8	44
65.0	65.7	65.6	251.4	260.5	259.8	79.6	79.9	79.6	307.6	316.5	316.5	520.5	530.9	527.0	45
182.4	184.9	(*)	695.0	693.4	(*)	190.3	191.5	(*)	574.0	582.4	(*)	514.6	529.5	(*)	46
13.7	13.8	(*)	63.4	63.7	(*)	17.7	19.3	(*)	53.2	54.4	(*)	34.3	34.9	(*)	47
20.7	20.6	(*)	67.7	68.8	(*)	27.3	27.5	(*)	45.8	46.6	(*)	49.8	49.5	(*)	48
58.6	57.5	(*)	149.4	147.9	(*)	44.5	43.7	(*)	135.6	134.8	(*)	66.1	89.8	(*)	49
11.6	11.6	(*)	58.7	58.8	(*)	14.1	13.9	(*)	52.0	52.9	(*)	33.3	33.3	(*)	50
4.3	4.2	(*)	18.5	18.7	(*)	3.5	3.5	(*)	14.1	14.5	(*)	23.0	22.9	(*)	51
26.1	26.1	(*)	115.4	118.6	(*)	28.9	28.7	(*)	86.8	87.0	(*)	62.7	73.8	(*)	52
6.6	6.5	(*)	36.9	37.9	(*)	10.0	10.3	(*)	32.4	33.2	(*)	22.1	22.9	(*)	53
112.9	114.6	115.0	384.0	385.6	386.1	97.6	95.1	95.1	253.8	257.9	258.4	339.8	355.9	356.6	54
68.0	68.4	68.4	201.2	204.5	205.3	58.0	57.5	57.7	130.2	135.0	134.9	126.3	123.3	123.4	55
3.9	3.8	3.9	17.0	18.9	19.0	3.6	3.6	3.6	13.4	14.4	14.5	25.9	26.9	26.8	56
2.8	2.8	2.8	15.3	14.6	14.6	4.4	4.7	4.7	9.8	10.0	10.1	17.8	18.2	18.6	57
3.7	3.6	3.6	18.7	18.4	18.4	5.6	5.3	5.3	13.9	13.6	13.6	30.2	29.3	29.3	58
7.6	6.9	7.1	16.4	17.3	17.2	3.6	3.7	3.7	12.0	12.5	12.4	12.3	13.2	13.4	59
25.9	26.2	26.3	84.1	86.6	86.1	23.5	24.0	23.9	72.0	73.9	74.0	83.6	85.4	86.3	60
21.8	22.1	22.1	71.6	73.9	73.6	21.2	21.7	21.6	59.6	60.8	60.9	71.5	72.6	73.0	61

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

	State and area	Total			Mining			Contract construction			Manufacturing		
		AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P
1	IDAHO ⁴	277.7	286.0	287.7	3.8	3.0	3.5	19.2	18.8	19.6	49.3	51.4	51.7
2	Boise City ⁴	61.3	64.8	64.6	(1)	(1)	(1)	5.3	5.9	5.6	6.3	6.7	6.6
3	ILLINOIS	4,434.9	4,457.3	4,470.3	25.0	26.5	15.4	197.8	197.2	203.4	1,205.5	1,208.0	1,215.0
4	Bloomington—Normal	43.0	43.1	44.0	(2)	(2)	(2)	1.7	1.5	1.5	7.2	6.7	6.8
5	Champaign—Urbana—Rantoul	63.9	63.7	62.6	(2)	(2)	(2)	3.0	3.0	2.9	6.0	6.3	6.2
6	Chicago—Gary	3,240.1	3,252.7	3,284.1	4.6	4.5	4.5	139.1	143.6	144.5	900.0	907.5	913.0
7	Chicago SMSA ⁵	3,002.5	3,011.8	3,043.0	4.5	4.4	4.4	125.6	130.0	130.7	804.8	808.6	814.0
8	Davenport—Rock Island—Moline	151.5	154.5	154.6	(2)	(2)	(2)	7.1	6.1	6.3	47.5	49.2	49.4
9	Decatur	51.7	51.4	51.7	(2)	(2)	(2)	3.2	3.5	3.7	19.4	18.1	18.0
10	Peoria	146.0	144.0	143.9	(2)	(2)	(2)	9.0	8.8	9.3	53.0	50.6	50.6
11	Rockford	110.8	113.6	115.4	(2)	(2)	(2)	4.0	3.7	3.8	50.2	51.9	53.6
12	Springfield	85.0	78.9	84.3	(2)	(2)	(2)	4.0	3.8	4.4	9.5	8.6	8.6
13	INDIANA	1,947.7	1,995.3	1,997.8	7.9	8.3	5.7	87.1	85.4	86.8	646.3	670.6	675.0
14	Evansville	107.4	107.5	105.8	2.1	2.3	2.3	5.3	5.3	5.4	34.4	33.8	32.0
15	Fort Wayne	148.3	153.3	152.5	(1)	(1)	(1)	7.0	5.0	6.6	50.5	53.3	54.0
16	Gary—Hammond—East Chicago ⁵	237.6	240.9	241.1	(1)	(1)	(1)	13.5	13.6	13.8	95.2	98.7	99.0
17	Indianapolis	452.7	445.8	447.3	(1)	(1)	(1)	16.9	14.0	14.2	117.5	117.3	119.1
18	Muncie	43.4	44.2	44.2	(1)	(1)	(1)	1.6	1.5	1.5	13.9	13.7	13.4
19	South Bend	100.0	100.4	99.6	(1)	(1)	(1)	4.0	4.0	3.9	29.8	30.1	30.0
20	Terre Haute	57.4	58.2	56.7	1.0	1.0	.2	2.3	2.2	2.2	15.9	16.4	16.2
21	IOWA	989.4	1,012.5	1,010.8	3.0	3.0	3.0	54.0	53.2	53.8	227.7	232.2	231.4
22	Cedar Rapids	74.0	75.2	74.7	(1)	(1)	(1)	3.1	3.3	3.1	27.6	27.9	28.1
23	Des Moines	154.8	153.9	155.3	(1)	(1)	(1)	7.9	7.7	7.6	22.0	20.3	20.7
24	Dubuque	39.5	39.2	39.3	(1)	(1)	(1)	1.5	1.3	1.2	15.8	16.3	16.3
25	Sioux City	49.2	49.7	49.9	(1)	(1)	(1)	3.4	3.8	3.7	12.0	11.9	12.4
26	Waterloo—Cedar Falls	55.9	57.2	57.0	(1)	(1)	(1)	2.7	2.3	2.4	20.4	20.7	20.4
27	KANSAS	792.3	816.2	815.7	11.0	11.0	10.9	42.7	44.5	43.5	158.8	154.2	157.2
28	Topeka	74.1	73.4	72.8	.1	.1	.1	2.7	3.0	3.1	10.3	7.5	7.4
29	Wichita	166.2	164.2	165.6	2.1	2.0	2.0	8.0	9.0	9.1	51.7	46.0	47.6
30	KENTUCKY	1,038.5	1,067.0	1,061.6	45.4	46.0	39.2	50.2	58.6	58.3	252.9	261.3	263.2
31	Lexington—Fayette	118.1	119.8	120.9	(1)	(1)	(1)	6.4	6.0	5.9	27.9	29.5	30.3
32	Louisville	352.7	356.5	357.3	(1)	(1)	(1)	16.9	16.5	16.6	105.6	105.1	105.5
33	LOUISIANA	1,187.2	1,196.6	1,197.2	56.2	55.6	55.5	90.2	91.2	91.5	181.9	182.7	183.5
34	Baton Rouge	151.5	159.7	159.2	.9	.9	.9	15.8	17.8	18.0	21.7	21.9	21.9
35	Lake Charles	46.9	48.7	48.6	1.2	1.3	1.3	4.9	4.9	5.0	10.4	11.0	11.0
36	Monroe	42.8	43.1	42.6	.3	.3	.4	4.0	3.8	3.8	6.9	6.9	6.9
37	New Orleans	415.5	419.9	422.0	15.7	16.1	16.1	26.4	26.8	26.9	49.8	50.4	50.2
38	Shreveport	124.1	127.4	128.0	4.5	4.4	4.4	8.6	8.5	8.5	24.8	25.2	25.9
39	MAINE	369.2	370.2	377.1	(1)	(1)	(1)	20.5	21.0	21.2	99.0	101.2	106.5
40	Lewiston—Auburn	30.2	29.3	30.8	(1)	(1)	(1)	1.2	1.2	1.3	11.0	10.2	11.5
41	Portland	76.3	76.2	77.9	(1)	(1)	(1)	3.2	3.5	3.6	15.8	14.7	15.9
42	MARYLAND ⁶	1,428.0	1,456.9	1,455.6	1.8	1.8	1.8	100.8	97.6	98.6	229.6	235.3	238.4
43	Baltimore	846.5	861.3	860.2	.3	.3	.3	50.5	47.1	47.5	159.1	163.8	165.5
44	MASSACHUSETTS	2,328.7	2,341.9	(*)	(1)	(1)	(*)	85.5	73.5	(*)	588.6	586.5	(*)
45	Boston	1,255.3	1,258.2	(*)	(1)	(1)	(*)	50.6	41.9	(*)	248.7	253.1	(*)
46	Brockton	49.5	49.7	(*)	-	-	-	1.7	1.6	(*)	11.0	11.3	(*)
47	Fall River	48.8	48.4	(*)	(1)	(1)	(*)	(1)	(1)	(*)	19.9	18.7	(*)
48	Lawrence—Haverhill	94.7	91.5	(*)	(1)	(1)	(*)	2.7	2.4	(*)	38.0	33.9	(*)
49	Lowell	58.9	60.0	(*)	(1)	(1)	(*)	2.1	1.9	(*)	19.2	19.8	(*)
50	New Bedford	57.6	57.2	(*)	(1)	(1)	(*)	1.4	1.2	(*)	23.0	22.3	(*)
51	Springfield—Chicopee—Holyoke	208.4	209.7	(*)	(1)	(1)	(*)	6.2	6.2	(*)	61.2	61.5	(*)
52	Worcester	139.9	141.3	(*)	(1)	(1)	(*)	4.7	4.6	(*)	40.9	40.8	(*)
53	MICHIGAN	3,115.0	3,148.0	3,189.5	14.0	13.5	13.4	103.0	94.5	94.3	977.5	995.4	1,034.1
54	Ann Arbor	104.0	112.0	112.3	(1)	(1)	(1)	2.3	2.2	2.2	29.3	35.3	36.0
55	Battle Creek	60.7	62.9	63.1	(1)	(1)	(1)	1.4	1.8	1.8	22.9	22.8	22.8
56	Bay City	32.1	33.0	33.1	(1)	(1)	(1)	1.3	1.5	1.5	9.5	9.3	9.5
57	Detroit	1,566.1	1,575.6	1,609.7	1.1	1.2	1.2	48.3	45.4	46.0	514.4	516.8	549.3
58	Flint	165.5	174.6	179.6	(1)	(1)	(1)	4.6	4.9	4.8	65.2	69.3	73.0
59	Grand Rapids	208.7	212.9	215.7	(1)	(1)	(1)	9.4	8.4	9.2	67.0	69.9	71.8
60	Jackson	48.6	48.4	48.5	(1)	(1)	(1)	1.7	1.8	1.8	15.1	13.9	14.0
61	Kalamazoo—Portage	94.7	96.3	97.0	(1)	(1)	(1)	4.6	4.0	4.1	31.1	31.5	32.0
62	Lansing—East Lansing	192.7	153.6	159.5	(1)	(1)	(1)	5.8	6.2	6.1	35.8	32.9	39.3
63	Muskegon—Norton Shores—Muskegon Hgts.	56.4	59.8	59.1	(1)	(1)	(1)	2.2	2.1	2.1	21.2	23.2	22.6

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	
16.5	16.8	16.9	67.4	69.8	70.5	11.6	12.2	12.3	46.6	48.3	48.5	63.3	65.1	64.7	1
3.9	4.0	4.0	16.0	17.1	17.2	4.0	4.2	4.2	10.1	10.4	10.5	15.7	16.6	16.6	2
282.2	283.8	284.0	990.1	1,021.4	1,020.7	255.9	255.8	255.6	798.9	815.7	817.9	679.0	649.0	661.4	3
3.0	3.2	3.2	10.3	10.4	10.1	6.3	6.5	6.5	7.1	6.7	6.6	7.5	8.0	9.1	4
2.7	2.8	2.8	13.0	14.1	14.5	1.8	1.8	1.8	9.7	10.1	10.3	27.7	25.5	24.0	5
215.1	213.0	213.0	717.4	740.0	738.8	202.3	201.8	201.9	608.8	617.5	617.9	452.7	425.1	450.6	6
200.5	199.0	198.9	673.9	697.2	695.9	194.7	194.2	194.3	578.3	586.2	586.8	420.1	392.2	418.3	7
7.7	7.8	7.8	37.2	37.8	37.9	6.1	6.3	6.3	21.4	21.8	21.8	24.5	25.4	25.1	8
4.3	4.5	4.5	10.0	9.9	9.7	2.1	2.5	2.5	8.3	8.7	8.7	4.3	4.4	4.4	9
7.3	7.6	7.5	31.9	32.5	31.8	6.2	6.4	6.3	23.0	23.7	24.2	15.6	14.4	14.3	10
4.0	4.2	4.2	23.4	23.7	23.7	3.5	3.4	3.4	15.2	15.8	15.8	10.5	10.9	10.8	11
4.3	4.4	4.5	17.9	15.5	17.8	6.3	6.4	6.3	16.5	14.6	16.4	25.9	25.7	26.2	12
100.4	100.9	100.8	416.7	425.9	427.5	89.3	90.3	90.7	272.3	277.6	277.9	327.7	336.4	333.3	13
5.7	5.2	5.2	24.8	24.8	24.8	3.7	3.7	3.7	19.6	19.4	19.4	11.8	13.0	12.4	14
9.7	9.7	9.7	34.9	35.2	35.0	8.7	8.9	8.9	22.4	22.6	22.6	15.3	15.6	15.7	15
14.6	14.0	14.1	43.5	42.8	42.9	7.6	7.6	7.6	30.6	31.3	31.1	32.6	32.9	32.6	16
27.1	27.1	27.1	105.7	105.7	105.7	32.7	32.3	32.3	68.2	67.9	67.7	84.6	81.5	81.2	17
1.9	1.9	1.9	10.1	10.1	10.2	1.5	1.5	1.5	6.3	6.5	6.6	8.1	9.0	9.1	18
4.8	4.9	4.9	23.6	23.5	23.6	5.7	5.5	5.1	20.7	20.3	20.4	11.4	12.1	11.7	19
4.1	4.3	4.3	13.5	13.3	13.3	1.8	1.8	1.8	8.5	9.0	9.0	10.3	10.5	10.0	20
55.0	55.8	55.8	248.0	252.7	255.9	48.1	48.4	48.4	177.4	183.4	183.3	176.2	183.9	179.3	21
3.7	3.7	3.7	15.4	15.4	15.3	3.4	3.6	3.6	12.4	12.8	12.5	8.4	8.5	8.4	22
10.3	10.6	10.5	39.1	40.3	40.8	17.7	17.6	17.6	29.9	30.5	30.5	27.4	27.0	27.5	23
1.0	1.0	1.0	7.8	7.8	7.9	1.1	1.1	1.1	8.3	7.9	7.9	3.4	3.2	3.3	24
3.7	3.6	3.6	11.9	11.9	11.8	2.4	2.5	2.5	9.7	9.9	9.9	5.4	6.0	6.0	25
2.3	2.3	2.3	12.1	12.4	12.5	1.6	1.6	1.6	8.6	8.8	8.9	8.1	9.1	8.9	26
55.2	56.8	57.0	191.4	202.5	201.8	38.6	40.5	40.2	133.8	140.6	141.3	160.8	166.1	163.8	27
7.1	7.1	7.1	16.4	16.2	16.2	5.3	5.6	5.6	13.3	13.7	13.6	19.1	20.2	19.7	28
8.4	8.4	8.4	36.9	38.1	37.9	8.0	8.2	8.2	30.9	31.0	31.3	20.4	21.5	21.1	29
59.6	61.8	62.7	211.7	210.7	210.3	41.8	41.8	42.4	166.1	169.4	168.8	210.8	217.4	216.7	30
6.3	6.2	6.3	26.2	26.6	26.9	5.4	5.6	5.6	18.2	19.1	19.2	27.7	26.8	26.7	31
21.7	22.4	22.5	77.1	76.7	76.3	20.0	20.4	20.4	62.7	63.4	63.6	48.8	52.0	52.5	32
97.0	98.2	98.1	275.6	277.9	278.1	58.9	59.2	59.2	193.2	191.6	192.1	237.2	240.2	239.2	33
7.8	9.0	9.6	29.6	30.0	30.2	8.3	9.0	8.6	21.8	20.5	20.4	45.6	50.0	49.0	34
2.6	3.1	3.1	10.6	10.7	10.7	2.1	2.2	2.2	7.2	7.4	7.4	7.9	8.1	7.9	35
2.6	2.6	2.6	11.3	11.8	11.8	3.0	3.2	3.2	6.2	6.4	6.4	8.5	8.1	7.5	36
44.3	44.1	43.6	106.3	108.0	108.7	25.8	25.9	26.0	83.7	83.2	84.5	63.8	65.4	66.0	37
10.3	9.7	9.7	30.2	30.8	31.1	5.7	5.6	5.6	20.3	21.1	21.5	19.7	22.1	21.3	38
18.1	16.8	17.1	77.8	77.1	77.5	14.1	14.4	14.5	66.5	67.4	67.8	73.2	72.3	72.5	39
1.1	1.1	1.1	0.9	6.7	6.8	1.5	1.3	1.3	6.0	6.1	6.1	2.7	2.7	2.7	40
4.9	4.9	5.0	19.9	20.2	20.3	6.1	6.0	6.2	14.6	15.8	15.9	11.8	11.1	11.0	41
78.0	78.0	78.7	355.2	361.6	362.1	81.4	80.2	80.3	289.8	297.0	298.5	291.4	304.6	297.2	42
54.0	55.1	55.1	191.3	193.1	193.3	48.6	48.2	48.2	157.9	161.2	162.0	184.8	192.5	188.3	43
111.5	109.5	(*)	526.1	536.4	(*)	138.9	138.0	(*)	510.7	529.1	(*)	367.4	368.9	(*)	44
69.3	66.6	(*)	280.2	281.5	(*)	93.0	92.0	(*)	317.2	324.4	(*)	196.3	198.7	(*)	45
3.4	3.4	(*)	14.2	14.4	(*)	1.7	1.7	(*)	7.7	8.3	(*)	9.2	9.0	(*)	46
2.0	1.9	(*)	9.3	9.8	(*)	(1)	(1)	(*)	12.0	12.3	(*)	5.6	5.7	(*)	47
3.4	3.3	(*)	18.0	19.0	(*)	3.3	3.3	(*)	14.9	14.6	(*)	14.4	15.3	(*)	48
2.3	2.3	(*)	13.0	13.3	(*)	1.9	1.9	(*)	10.1	10.3	(*)	10.3	10.5	(*)	49
2.6	2.5	(*)	10.9	10.9	(*)	(1)	(1)	(*)	11.9	12.4	(*)	7.8	7.9	(*)	50
8.3	8.0	(*)	46.1	46.7	(*)	11.2	11.0	(*)	36.2	37.1	(*)	39.2	39.2	(*)	51
6.0	7.1	(*)	30.8	30.4	(*)	8.0	8.0	(*)	25.5	26.5	(*)	24.0	23.9	(*)	52
144.7	147.6	146.5	659.4	662.5	666.6	130.5	131.8	131.8	522.4	524.0	524.6	563.7	578.8	578.2	53
2.4	2.4	2.4	15.9	16.1	16.3	3.3	3.4	3.4	16.0	16.7	16.9	34.8	35.8	35.1	54
2.3	2.3	2.3	9.7	10.4	10.4	3.8	3.8	3.8	9.7	9.9	10.0	11.1	11.9	12.0	55
2.0	1.8	1.8	7.9	8.2	8.1	1.0	1.0	1.0	5.7	6.0	6.0	4.8	5.2	5.1	56
77.0	78.1	77.7	317.1	317.7	318.3	76.0	76.8	77.3	282.2	285.9	284.8	249.9	233.7	255.2	57
5.2	6.4	6.4	34.7	36.6	37.3	5.0	5.2	5.2	24.2	23.9	23.9	26.6	28.4	28.4	58
9.0	9.2	9.2	50.4	51.7	51.9	8.0	8.1	8.2	36.0	36.8	36.7	29.0	28.8	28.9	59
4.2	4.2	4.2	9.2	9.3	9.3	1.5	1.5	1.5	8.6	8.9	9.0	8.4	8.8	8.8	60
3.1	3.2	3.2	18.7	19.4	19.5	3.1	3.2	3.2	17.0	17.5	17.6	17.1	17.5	17.2	61
3.9	3.9	3.9	28.9	28.8	29.0	7.4	7.7	7.7	22.3	23.0	23.2	48.6	51.0	50.2	62
2.9	3.1	3.1	10.4	10.8	11.0	1.6	1.6	1.7	8.5	8.9	8.9	9.6	10.0	10.0	63

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

States and area	Total			Mining			Contract construction			Manufacturing		
	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P
1 MICHIGAN—Continued												
1 Saginaw	78.4	82.5	82.7	(1)	(1)	(1)	2.5	2.6	2.6	29.4	31.0	31.7
2 MINNESOTA	1,477.4	1,518.2	1,518.8	14.7	15.1	15.3	75.6	76.1	76.6	320.3	320.9	323.0
3 Duluth—Superior	56.8	57.6	58.0	(1)	(1)	(1)	2.6	2.7	2.8	7.8	7.3	7.3
4 Minneapolis—St. Paul	891.3	908.5	909.3	(1)	(1)	(1)	40.6	39.9	40.1	203.1	203.2	203.7
5 MISSISSIPPI	605.1	682.3	684.3	0.3	6.5	6.4	34.4	38.2	39.1	200.1	208.1	208.9
6 Jackson	112.1	116.0	116.1	.8	.9	.9	3.9	5.9	5.0	17.4	17.0	17.7
7 MISSOURI	1,702.1	1,737.6	1,736.3	7.8	8.3	8.2	73.2	74.4	73.8	399.1	414.1	418.5
8 Kansas City	538.2	553.8	550.6	.6	.6	.6	26.5	26.5	25.7	104.7	111.9	109.3
9 St. Joseph	34.4	36.1	36.3	(2)	(2)	(2)	2.0	2.4	2.0	8.9	9.7	9.7
10 St. Louis	892.6	900.8	897.7	2.6	2.6	2.6	40.5	42.2	41.9	235.7	238.0	240.4
11 Springfield	68.9	71.5	72.3	.2	.2	.2	2.9	2.8	2.9	17.3	16.2	18.7
12 MONTANA	250.0	245.2	243.5	6.0	6.0	6.0	14.9	11.9	12.0	23.9	23.5	25.1
13 Billings	39.7	40.6	40.5	(1)	(1)	(1)	2.3	2.2	2.2	3.4	3.0	3.7
14 Great Falls	27.8	28.5	28.7	(1)	(1)	(1)	1.7	1.7	1.7	1.7	1.8	1.9
15 NEBRASKA	555.0	564.0	563.6	1.7	1.5	1.5	31.4	28.6	28.6	84.4	67.9	68.3
16 Lincoln	86.5	87.4	87.8	-	-	-	5.0	4.5	4.4	12.0	12.0	12.2
17 Omaha	230.7	236.2	235.3	(2)	(2)	(2)	12.3	11.6	11.5	32.6	34.2	34.4
18 NEVADA	272.9	285.0	286.5	4.0	3.8	3.8	13.2	14.2	14.6	12.5	13.1	13.2
19 Las Vegas	147.2	153.3	154.5	.2	.2	.2	6.9	7.2	7.9	5.2	5.4	5.4
20 Reno	76.8	80.8	81.2	.4	.4	.4	4.3	5.0	5.1	5.0	5.2	5.3
21 NEW HAMPSHIRE	310.0	320.8	324.6	.5	.5	.5	15.3	15.4	15.7	84.7	90.1	92.1
22 Manchester	56.8	58.1	59.0	(1)	(1)	(1)	2.4	2.4	2.4	15.9	16.2	17.2
23 Nashua	43.1	44.6	45.0	(1)	(1)	(1)	1.4	1.4	1.5	19.4	20.6	20.8
24 NEW JERSEY	2,676.9	2,695.6	2,702.5	2.9	3.0	3.0	95.5	88.8	88.1	732.0	722.1	730.0
25 Atlantic City	71.5	71.3	72.5	-	-	-	2.8	2.6	2.7	8.6	7.2	7.5
26 Camden	280.6	284.5	283.2	.1	.1	.1	13.6	13.8	13.5	62.7	61.9	61.6
27 Hackensack	335.6	334.4	334.7	(1)	(1)	(1)	11.9	11.3	10.3	100.9	97.8	101.3
28 Jersey City	231.0	229.7	233.3	-	-	-	4.2	4.0	3.8	76.5	73.1	72.8
29 Long Branch—Aubury Park	142.2	148.1	148.2	(1)	(1)	(1)	5.2	5.0	4.5	21.1	22.7	23.2
30 New Burns—Perth Amboy—Sayreville	235.7	234.3	236.4	(1)	(1)	(1)	9.5	9.1	9.8	80.1	76.8	77.9
31 Newark	838.2	846.8	843.2	.9	.8	.8	30.7	29.0	29.4	229.8	234.1	230.8
32 Paterson—Clifton—Passaic	173.3	173.8	173.4	(1)	(1)	(1)	5.6	4.9	5.1	63.8	61.8	62.8
33 Trenton	145.5	154.0	153.5	(1)	(1)	(1)	3.3	3.4	3.5	35.7	36.0	36.7
34 Vineland—Millville—Bridgeton	51.2	50.2	51.3	(1)	(1)	(1)	1.6	1.4	1.5	16.4	18.1	18.9
35 NEW MEXICO	369.2	389.7	390.2	20.4	21.8	21.8	25.4	26.4	26.7	27.7	30.2	30.5
36 Albuquerque	144.4	156.2	156.5	(1)	(1)	(1)	9.8	10.4	10.5	14.7	16.3	16.3
37 NEW YORK	6,841.1	6,765.7	6,762.3	7.7	7.8	7.7	210.3	209.5	212.4	1,400.8	1,400.5	1,421.3
38 Albany—Schenectady—Troy	306.8	304.4	306.3	(1)	(1)	(1)	12.6	10.8	10.8	58.9	61.7	61.9
39 Binghamton	105.4	107.2	109.0	(1)	(1)	(1)	5.0	4.6	4.7	37.5	38.2	39.6
40 Buffalo	480.6	489.9	491.0	(1)	(1)	(1)	17.3	16.9	17.1	135.5	141.4	141.7
41 Elmira	37.1	36.3	36.5	(1)	(1)	(1)	1.6	1.5	1.6	12.0	12.6	12.7
42 Monroe County	312.2	316.8	317.6	(1)	(1)	(1)	10.5	10.4	10.9	125.7	127.6	127.9
43 Nassau—Suffolk	788.9	803.4	799.5	(1)	(1)	(1)	32.8	29.5	29.2	137.7	136.8	137.4
44 New York—Northeastern New Jersey	6,296.4	6,242.7	6,242.7	(*)	2.4	2.4	186.6	174.2	(*)	1,295.3	1,273.7	(*)
45 New York and Nassau—Suffolk	4,482.6	4,418.2	4,401.4	1.9	2.0	2.0	124.6	117.2	117.2	744.2	726.8	741.1
46 New York SMSA	3,693.7	3,614.9	3,601.8	1.8	1.9	1.9	91.8	87.7	88.0	606.5	590.1	603.7
47 New York City	3,301.7	3,220.2	3,205.9	1.5	1.6	1.6	74.8	73.6	72.9	529.4	511.9	525.5
48 Poughkeepsie	86.3	85.3	85.5	(1)	(1)	(1)	3.4	3.0	3.1	27.7	27.1	27.2
49 Rochester	383.0	386.9	388.9	(1)	(1)	(1)	12.9	12.1	12.7	145.0	146.3	147.3
50 Rockland County	73.1	74.1	74.5	(1)	(1)	(1)	2.0	1.8	1.9	13.6	14.0	14.2
51 Syracuse	232.2	238.9	239.1	(1)	(1)	(1)	11.4	12.0	12.7	51.9	54.6	54.7
52 Utica—Rome	111.1	109.0	109.4	(1)	(1)	(1)	3.4	3.1	3.2	30.0	29.5	30.0
53 Westchester County	308.4	309.7	310.7	(1)	(1)	(1)	14.2	11.5	12.4	62.5	63.2	63.1
54 NORTH CAROLINA	1,919.7	1,945.5	1,961.4	4.2	4.3	4.3	100.5	99.8	99.5	711.8	733.1	743.6
55 Asheville	60.5	62.6	62.1	(1)	(1)	(1)	3.1	3.4	3.2	18.4	19.2	19.3
56 Charlotte—Gastonia	264.2	268.4	269.1	(1)	(1)	(1)	15.8	14.7	14.0	77.3	80.5	80.4
57 Greensboro—Winston-Salem—High Pt.	322.2	331.2	329.2	(1)	(1)	(1)	14.5	14.6	14.5	132.5	136.4	137.8
58 Raleigh—Durham	205.9	208.6	208.9	(1)	(1)	(1)	10.5	10.5	10.5	34.4	35.3	35.5

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	
3.9	3.9	3.9	16.4	17.3	17.4	3.2	3.3	3.3	12.6	12.8	12.8	10.5	10.9	10.9	1
89.0	92.3	91.7	370.9	381.9	382.4	75.1	77.0	77.1	280.1	292.6	292.4	251.7	262.4	259.5	2
6.2	7.7	7.9	14.3	14.3	14.4	2.0	2.1	2.1	12.2	11.9	11.9	11.6	11.6	11.5	3
57.3	60.3	60.3	223.3	228.0	229.8	55.2	57.0	57.1	179.8	185.1	184.6	131.9	134.9	133.7	4
34.5	34.2	34.2	132.3	133.7	133.9	27.6	27.9	27.9	87.4	88.3	88.1	142.5	145.6	145.8	5
7.3	7.3	7.3	27.2	27.2	27.4	9.3	9.5	9.5	20.8	21.1	21.1	25.5	26.0	26.0	6
118.4	124.1	124.1	406.6	410.6	408.2	94.7	95.0	94.7	306.9	315.5	316.3	295.4	295.6	292.5	7
49.0	50.7	50.3	139.4	142.1	142.1	36.6	36.9	36.8	102.4	106.4	106.8	79.0	78.7	79.0	8
2.3	2.4	2.4	8.4	8.8	8.8	1.7	1.6	1.6	6.1	6.2	6.2	5.0	5.0	5.0	9
59.3	64.1	63.9	205.6	205.1	203.6	49.0	49.4	49.2	175.5	174.9	174.5	124.7	123.9	121.0	10
5.1	5.2	5.2	18.6	19.4	19.5	2.7	2.8	2.8	13.3	13.8	14.0	8.8	9.1	9.0	11
20.2	19.8	19.9	62.9	60.8	61.0	10.4	10.7	10.7	47.6	46.8	46.7	63.5	65.9	64.1	12
3.6	3.5	3.5	12.9	13.4	13.4	2.0	2.1	2.1	8.6	8.6	8.5	6.9	7.2	7.1	13
2.0	2.0	2.0	8.6	8.7	8.8	1.9	2.0	2.0	6.3	6.5	6.6	5.6	5.8	5.7	14
40.0	43.2	43.2	140.7	143.7	144.4	34.2	35.1	35.0	100.1	101.0	100.9	122.4	122.9	121.6	15
5.6	6.1	6.1	17.7	18.3	18.6	6.1	6.4	6.3	14.4	14.8	14.8	24.7	25.3	25.4	16
21.5	21.9	22.0	58.5	59.3	59.3	19.9	20.4	20.3	48.9	49.1	48.4	37.0	39.8	39.3	17
17.3	17.8	18.0	53.7	56.8	57.3	10.7	11.3	11.2	117.1	122.1	122.7	44.4	45.9	45.5	18
9.3	9.6	9.7	28.8	31.2	31.4	5.6	6.0	6.0	71.5	73.3	73.7	19.7	20.4	20.2	19
5.6	5.9	5.9	16.9	17.1	17.2	4.0	4.0	4.0	28.5	30.5	30.6	12.1	12.7	12.7	20
11.7	11.6	11.7	68.6	69.6	70.4	14.2	14.5	14.5	67.7	70.1	70.7	47.3	49.0	49.0	21
3.5	3.5	3.5	13.3	13.8	13.6	4.0	4.1	4.1	10.8	11.0	11.1	6.9	7.1	7.1	22
1.6	1.6	1.6	8.8	8.6	8.7	1.4	1.5	1.5	6.3	6.6	6.6	4.2	4.3	4.3	23
175.5	179.6	179.2	592.2	599.4	599.5	136.3	140.4	140.4	475.5	484.8	482.0	467.0	477.5	480.3	24
3.3	3.3	3.3	20.8	19.9	19.9	3.9	4.2	4.2	18.9	20.0	20.6	13.2	14.1	14.3	25
15.0	14.2	14.3	72.7	73.4	72.6	13.7	13.6	13.6	51.6	52.7	52.4	51.2	54.8	55.1	26
17.0	16.4	16.4	95.2	95.2	95.0	13.9	14.6	14.6	60.9	61.6	61.4	35.8	37.5	35.7	27
30.3	29.0	29.2	42.2	42.0	42.0	8.7	9.2	9.3	27.5	27.5	27.8	41.6	47.9	48.4	28
5.8	5.8	5.7	36.5	37.8	38.0	5.7	5.8	5.7	33.8	36.8	36.7	34.1	34.2	34.4	29
17.3	16.2	16.2	50.0	51.5	51.4	6.7	8.2	8.2	30.8	31.8	31.5	41.6	40.7	41.4	30
62.7	64.7	63.8	157.6	157.9	156.5	59.1	59.5	59.6	155.7	157.8	156.7	141.7	143.0	145.6	31
6.1	5.8	5.7	38.1	39.4	38.9	8.6	8.7	8.7	27.1	28.7	28.5	24.0	24.5	23.7	32
5.1	4.9	4.9	20.7	22.4	22.0	6.2	6.4	6.4	35.2	36.7	36.5	39.3	43.6	43.5	33
3.2	3.0	3.0	7.6	7.5	7.5	2.6	2.6	2.5	7.1	7.3	7.5	10.7	10.3	10.4	34
22.3	22.4	22.2	83.5	88.6	89.9	17.0	17.7	17.9	72.3	76.3	75.6	100.6	106.3	105.6	35
8.0	8.1	8.1	36.4	40.1	40.5	8.6	8.9	9.0	33.0	36.0	36.1	33.9	36.4	36.0	36
427.7	421.5	421.7	1,382.2	1,380.6	1,377.1	585.7	585.1	583.6	1,453.3	1,464.0	1,459.9	1,373.4	1,296.7	1,278.6	37
14.9	14.5	14.5	62.4	59.7	60.5	14.0	13.8	13.4	60.2	60.2	60.3	83.9	83.7	84.8	38
4.5	4.7	4.7	19.2	20.3	20.6	3.6	3.8	3.8	14.0	14.5	14.6	21.6	21.1	21.0	39
26.7	27.1	27.1	105.5	107.6	108.1	20.2	20.0	20.0	86.0	88.7	88.8	89.5	88.3	88.2	40
1.5	1.5	1.5	7.9	8.0	8.0	1.0	1.0	1.0	5.9	5.9	5.7	6.6	5.8	5.9	41
10.7	10.5	10.5	55.7	56.9	57.3	14.0	14.3	14.3	59.3	61.6	61.3	36.2	35.6	35.5	42
33.1	32.6	32.5	204.7	214.6	212.8	43.0	45.0	45.1	171.7	177.9	176.6	165.8	167.0	165.9	43
454.8	448.6	(*)	1,295.8	1,311.5	(*)	585.0	587.2	(*)	1,327.2	1,338.2	(*)	1,149.3	1,109.7	(*)	44
321.7	315.4	315.9	912.8	924.3	919.7	488.0	487.0	485.8	1,024.8	1,030.8	1,024.9	864.6	814.7	794.7	45
288.5	282.8	283.4	708.1	709.7	706.9	445.0	442.0	440.7	853.2	853.0	848.4	698.8	647.7	628.8	46
266.9	260.9	261.7	620.1	619.8	616.4	424.6	421.0	419.6	759.7	756.7	751.9	624.7	574.7	556.3	47
2.7	2.7	2.7	15.0	15.0	15.1	2.6	2.7	2.7	15.4	15.0	15.2	19.0	19.8	19.6	48
13.3	13.1	13.2	72.5	73.9	74.3	15.8	16.3	16.3	69.5	71.9	71.8	54.0	53.3	53.2	49
3.6	3.6	3.6	15.8	16.6	16.8	2.6	2.5	2.5	16.0	16.2	16.2	19.5	19.4	19.4	50
13.8	14.0	14.1	52.2	54.5	54.8	14.6	14.8	14.9	41.5	41.8	41.6	46.8	47.1	46.0	51
4.0	3.8	3.8	20.0	20.2	20.2	4.9	4.9	5.0	18.4	18.8	18.8	29.7	28.7	28.5	52
17.6	17.7	17.5	69.5	70.3	70.8	17.4	18.1	18.2	75.2	77.7	77.9	52.1	51.2	50.9	53
96.8	97.5	97.6	366.6	366.9	368.0	83.4	83.7	83.7	265.9	268.1	269.0	290.5	292.1	295.7	54
3.3	3.3	3.4	12.2	12.0	12.1	2.5	2.8	2.9	11.2	11.6	11.6	9.8	10.3	9.8	55
24.7	25.5	25.7	62.2	62.0	62.1	17.7	18.0	18.0	36.8	37.2	37.0	29.7	30.5	31.1	56
19.2	19.3	19.3	61.7	62.4	62.5	14.6	14.2	14.2	43.7	45.1	45.0	36.0	39.2	35.9	57
10.1	9.9	9.7	39.6	39.2	39.3	14.0	13.7	13.7	40.7	41.8	41.6	56.0	56.2	58.6	58

**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			Contract construction			Manufacturing		
	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P
1 NORTH DAKOTA	207.6	212.4	212.9	2.4	2.6	2.5	17.3	16.4	16.5	16.2	16.0	15.9
2 Fargo—Moorhead	52.0	54.4	54.5	.1	.1	.1	4.1	3.7	3.8	4.8	5.0	5.0
3 OHIO	3,982.8	4,045.0	4,044.1	27.7	28.8	27.4	157.3	151.9	154.6	1,239.6	1,260.5	1,265.2
4 Akron	243.5	233.5	232.3	.2	.2	.2	7.9	7.7	7.8	82.1	71.2	71.2
5 Canton	146.2	150.2	150.5	.7	.6	.6	5.4	5.6	5.6	54.3	50.3	56.6
6 Cincinnati	535.2	539.2	539.6	.4	.4	.4	23.1	21.8	22.5	153.8	151.9	152.8
7 Cleveland	841.3	861.7	857.7	1.5	1.5	1.5	30.9	29.6	29.9	253.1	259.2	259.7
8 Columbus	445.4	449.7	451.5	.8	.7	.7	18.0	16.6	16.9	92.0	92.5	93.2
9 Dayton	312.0	319.1	317.5	.4	.3	.3	10.8	10.9	11.0	95.8	101.4	99.7
10 Toledo	270.6	273.3	275.0	.6	.6	.6	11.7	10.5	10.6	81.3	82.7	84.2
11 Youngstown—Warren	192.1	201.2	201.4	.4	.3	.3	6.6	6.2	6.4	70.8	79.0	79.2
12 OKLAHOMA	886.6	905.3	907.1	40.6	41.0	42.0	44.2	44.1	44.3	149.9	152.1	152.7
13 Oklahoma City	307.9	315.4	316.9	8.5	9.4	9.4	17.3	17.0	17.5	38.9	38.7	38.8
14 Tulsa	224.1	229.1	230.1	13.8	14.4	14.6	13.1	13.1	13.1	50.7	50.8	51.2
15 OREGON	845.1	861.3	876.3	1.7	1.6	1.6	39.3	37.1	38.5	197.2	194.2	205.1
16 Eugene—Springfield	83.8	86.4	88.0	(1)	(1)	(1)	4.0	4.2	4.4	20.1	20.0	20.9
17 Jackson County	-	-	-	-	-	-	-	-	-	7.3	7.5	7.7
18 Portland	434.4	450.8	453.5	(1)	(1)	(1)	18.9	18.6	19.3	92.2	94.5	95.9
19 Salem	70.1	69.3	77.5	(1)	(1)	(1)	3.9	3.4	3.6	19.1	12.3	19.2
20 PENNSYLVANIA	4,427.0	4,425.4	4,423.6	47.6	49.3	48.1	208.4	197.8	197.9	1,335.1	1,335.1	1,338.2
21 Allentown—Bethlehem—Easton	250.7	250.5	250.0	1.1	1.1	1.1	12.0	10.3	10.2	108.5	107.7	107.4
22 Altoona	46.8	49.6	49.8	(1)	(1)	(1)	2.4	2.0	2.2	13.0	13.2	13.0
23 Delaware Valley ¹³	1,481.6	1,487.5	1,481.8	1.1	1.0	1.0	62.6	58.8	57.2	382.4	386.2	383.8
24 Erie	106.8	105.6	105.7	(1)	(1)	(1)	3.9	3.1	3.0	43.7	41.6	42.1
25 Harrisburg	198.8	203.9	203.1	(1)	(1)	(1)	10.3	10.0	9.8	37.5	39.5	39.6
26 Johnstown	85.4	86.2	86.8	8.4	8.6	8.7	2.5	2.5	2.5	22.6	22.2	23.0
27 Lancaster	130.6	133.3	133.8	(1)	(1)	(1)	7.0	6.9	7.0	52.7	54.3	54.5
28 Northeast Pennsylvania	229.6	228.2	229.8	1.1	1.1	1.1	12.8	12.0	12.6	72.4	69.8	70.3
29 Philadelphia SMSA	1,761.5	1,771.8	1,765.5	1.2	1.1	1.1	76.2	72.6	70.7	444.4	447.9	445.8
30 Philadelphia City ¹⁴	804.8	805.7	806.0	-	-	-	23.2	20.6	20.0	163.6	165.3	165.3
31 Pittsburgh	876.9	874.0	867.4	10.9	11.2	10.4	41.8	39.3	40.5	250.0	246.9	246.8
32 Reading	125.5	128.5	128.9	(1)	(1)	(1)	5.0	5.3	5.3	48.2	49.7	50.2
33 Scranton ¹⁵	81.7	81.1	81.8	(1)	(1)	(1)	2.8	2.5	2.6	27.1	26.5	27.0
34 Wilkes-Barre—Hazleton ¹⁶	122.3	121.1	121.8	1.0	1.0	1.0	8.8	8.4	9.0	40.9	39.0	38.9
35 Williamsport	42.9	44.3	44.2	(1)	(1)	(1)	1.6	1.5	1.6	17.4	18.4	18.5
36 York	130.5	131.6	132.8	(1)	(1)	(1)	6.5	6.4	6.4	56.2	57.3	58.2
37 RHODE ISLAND	349.5	342.2	350.6	(1)	(1)	(1)	11.3	11.7	11.8	110.7	107.1	114.5
38 Providence—Warwick—Pawtucket	360.8	354.2	363.4	(1)	(1)	(1)	11.5	11.9	12.0	123.1	120.3	128.6
39 SOUTH CAROLINA ⁴	988.0	1,019.1	1,017.8	2.0	1.8	1.8	63.5	60.2	61.1	343.4	361.0	367.9
40 Charleston—North Charleston	114.7	120.5	120.2	(1)	(1)	(1)	9.3	10.5	10.5	14.7	16.8	16.7
41 Columbia ⁴	140.4	142.3	142.1	(1)	(1)	(1)	8.0	7.7	7.7	21.4	21.5	22.1
42 Greenville—Spartanburg ⁴	222.3	225.2	227.1	(1)	(1)	(1)	15.3	15.3	15.4	94.7	97.1	99.8
43 SOUTH DAKOTA	212.3	215.7	214.7	2.5	2.6	2.6	9.9	9.9	9.7	20.5	22.4	21.7
44 Rapid City	25.7	26.1	26.7	(2)	(2)	(2)	2.0	2.1	2.1	2.3	2.3	2.3
45 Sioux Falls	44.8	46.2	45.5	(2)	(2)	(2)	2.6	2.9	2.7	6.7	7.0	6.9
46 TENNESSEE	1,500.0	1,514.2	1,521.0	9.4	9.3	9.4	76.1	65.4	66.5	456.8	467.4	471.8
47 Chattanooga	148.5	154.8	154.8	.9	.8	.9	5.4	5.6	5.6	52.8	54.5	54.6
48 Knoxville	171.6	178.1	178.8	1.7	1.6	1.6	10.1	9.6	9.9	46.2	48.5	49.2
49 Memphis	318.2	315.1	314.9	.2	.2	.2	14.8	12.4	12.5	56.1	55.7	55.2
50 Nashville—Davidson	292.2	301.8	302.2	(1)	(1)	(1)	17.4	15.7	15.8	70.7	76.4	77.4
51 TEXAS	4,424.5	4,528.7	4,532.1	132.0	137.7	138.2	281.2	289.1	291.8	802.5	829.9	831.9
52 Amarillo	62.3	64.1	64.5	(1)	(1)	(1)	3.8	4.5	4.5	7.6	9.2	9.1
53 Austin	165.0	170.9	170.7	(1)	(1)	(1)	11.6	11.5	11.5	14.3	16.3	16.3
54 Beaumont—Port Arthur—Orange	127.7	135.4	136.0	(1)	(1)	(1)	8.3	13.7	13.8	42.5	41.7	41.8
55 Corpus Christi	97.0	98.0	97.8	3.6	3.6	3.6	7.9	7.9	7.8	11.4	11.7	11.6
56 Dallas—Fort Worth	1,075.3	1,092.5	1,095.2	12.4	12.6	12.6	45.3	46.1	46.0	236.3	247.3	247.8
57 El Paso	125.3	130.6	133.0	(1)	(1)	(1)	7.1	6.1	6.0	28.7	29.1	28.5
58 Galveston—Texas City	62.2	62.8	62.1	(1)	(1)	(1)	4.1	2.4	2.1	11.9	12.3	12.1
59 Houston	1,002.2	1,032.3	1,035.1	43.8	45.5	45.4	93.1	96.4	97.2	174.8	177.1	177.4
60 Lubbock	71.2	70.2	70.7	(1)	(1)	(1)	4.3	3.8	3.5	9.6	10.4	11.0
61 San Antonio	309.6	318.0	318.2	1.6	1.6	1.6	19.1	19.0	19.4	36.7	40.7	40.5
62 Waco	55.3	57.2	56.8	(1)	(1)	(1)	3.4	3.3	3.4	12.5	13.1	13.1
63 Wichita Falls	43.0	44.0	43.9	2.2	2.2	2.2	1.7	1.9	2.0	7.0	7.3	7.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	
12.8	13.2	13.2	58.4	60.6	61.2	8.8	9.2	9.3	43.3	41.5	41.7	51.4	53.0	52.5	1
3.4	3.5	3.5	16.0	16.8	17.0	3.0	3.2	3.1	10.8	11.7	11.8	9.9	10.4	10.2	2
216.1	210.9	211.0	868.9	879.5	878.8	179.6	182.8	183.2	710.8	738.7	739.1	582.8	591.9	584.3	3
14.0	13.7	13.8	52.3	52.6	52.6	8.1	8.1	8.0	44.1	44.5	44.5	34.7	35.8	34.2	4
7.0	6.7	6.8	32.0	32.9	33.0	5.3	5.3	5.2	24.9	26.2	26.1	16.6	16.6	16.6	5
31.3	30.1	30.2	119.0	121.5	121.2	29.0	28.7	28.8	104.7	109.9	109.5	74.0	74.9	74.4	6
47.6	46.8	46.9	195.3	198.0	197.3	44.3	44.8	44.8	158.8	164.1	164.0	109.7	117.7	113.7	7
21.9	21.4	21.5	103.8	107.0	107.1	31.8	32.8	33.0	86.8	89.4	89.7	93.3	89.5	89.3	8
11.8	11.6	11.6	65.3	66.1	66.5	11.9	12.0	12.0	57.5	59.1	59.3	58.4	57.6	56.9	9
18.0	17.7	17.7	62.0	62.3	62.2	9.4	9.6	9.6	50.2	52.0	52.2	37.4	37.9	37.8	10
10.3	10.2	10.1	42.0	41.6	41.5	6.6	6.6	6.6	34.2	35.9	35.9	21.2	21.3	21.3	11
55.4	56.0	56.1	210.9	218.9	219.6	46.2	49.3	49.4	144.0	148.7	149.9	193.4	194.6	193.1	12
19.3	20.0	20.0	77.2	80.8	81.4	20.5	20.4	20.5	49.4	51.4	51.6	76.8	77.7	77.7	13
18.1	18.3	18.4	52.7	54.9	55.0	13.2	13.9	13.9	39.6	41.4	41.5	22.9	22.3	22.4	14
50.0	52.0	51.4	199.1	209.1	210.4	45.4	48.5	48.5	147.4	152.5	153.7	165.0	166.3	167.1	15
4.4	4.6	4.7	20.1	21.0	21.2	3.5	3.7	3.7	13.9	14.9	15.1	17.8	18.0	18.0	16
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
30.4	31.3	31.0	110.8	115.2	115.3	30.8	32.3	32.3	84.6	88.5	89.1	66.7	70.4	70.6	18
2.3	2.4	2.4	13.9	14.1	14.0	3.8	3.8	3.8	10.5	10.5	10.5	22.6	22.8	24.0	19
253.9	256.3	256.2	890.7	891.2	887.7	210.1	213.3	213.4	809.8	827.3	824.9	671.2	657.1	657.2	20
12.8	12.5	12.6	42.3	43.0	43.0	7.7	8.2	8.2	35.8	37.4	37.4	30.5	30.3	30.1	21
7.2	7.6	7.6	10.3	10.7	10.8	1.4	1.5	1.5	7.3	7.6	7.7	7.2	7.0	7.0	22
81.2	81.9	81.7	307.6	308.7	309.1	95.8	97.0	96.7	314.1	327.9	327.0	236.8	226.0	225.3	23
5.0	4.9	4.9	20.1	19.5	19.3	4.4	4.8	4.8	18.2	18.8	18.8	11.5	12.9	12.8	24
14.4	14.2	14.0	40.2	41.3	41.4	10.8	11.1	11.2	33.4	35.8	35.7	52.2	52.0	51.4	25
5.4	5.0	5.0	16.2	17.3	17.2	2.9	3.3	3.2	14.1	14.5	14.6	13.3	12.8	12.6	26
5.6	5.6	5.6	27.4	28.1	28.3	4.5	4.5	4.5	21.9	22.4	22.5	11.5	11.5	11.4	27
12.0	11.7	11.8	46.5	47.1	47.7	9.0	9.2	9.2	41.3	41.0	41.7	34.5	35.7	35.4	28
96.2	96.1	96.1	380.3	382.1	381.7	109.5	110.6	110.3	365.7	380.6	379.4	288.0	280.8	280.4	29
56.2	56.2	56.1	152.5	151.3	151.7	65.2	65.6	65.5	182.7	196.4	196.3	161.4	150.3	151.1	30
56.2	56.6	56.1	187.9	189.8	187.4	42.4	42.8	43.1	173.3	176.6	174.9	114.4	110.8	108.2	31
6.4	5.8	5.8	24.6	25.4	25.3	5.0	5.0	5.0	20.0	20.6	20.5	16.3	16.7	16.8	32
5.1	4.9	5.0	17.9	18.2	18.3	3.2	3.3	3.3	15.3	15.7	15.5	10.3	10.2	10.1	33
6.0	5.8	5.8	24.0	24.5	24.9	4.9	5.1	5.1	17.1	17.8	17.8	19.6	19.5	19.3	34
2.0	2.0	2.0	8.0	7.8	7.8	2.0	2.1	2.1	6.9	7.6	7.3	5.0	4.9	4.9	35
5.7	5.6	5.7	26.0	26.2	26.4	3.1	3.1	3.1	17.4	17.2	17.2	15.6	16.0	15.8	36
12.7	13.1	13.5	71.3	70.4	71.5	17.8	17.8	17.8	66.3	65.8	64.8	59.4	56.3	56.7	37
12.7	13.0	13.5	74.0	73.1	74.2	17.9	18.0	18.0	65.7	64.9	63.8	55.9	53.0	53.3	38
40.9	42.0	42.2	179.7	183.7	184.4	39.7	40.3	40.3	125.7	129.3	129.2	193.1	200.2	190.9	39
6.8	7.4	7.6	24.7	25.4	25.6	4.9	5.2	5.1	16.1	16.8	16.7	38.2	38.4	38.0	40
8.2	8.3	8.2	29.0	30.1	30.2	11.1	11.2	11.4	20.4	20.7	20.6	42.3	42.8	41.9	41
8.8	8.9	9.0	40.0	40.6	40.6	8.2	8.2	8.2	29.8	29.7	29.8	25.5	25.4	24.3	42
12.1	12.1	12.2	55.9	57.9	57.4	9.1	9.5	9.4	47.9	48.1	49.0	54.4	53.2	52.7	43
1.7	1.7	1.7	7.5	8.2	8.6	1.2	1.2	1.2	5.9	5.6	5.8	5.1	5.0	5.0	44
4.6	4.2	4.2	13.3	13.7	13.2	2.2	2.3	2.4	9.5	10.0	10.1	5.9	6.1	6.0	45
71.5	72.6	72.9	315.6	323.4	322.6	68.4	66.0	66.0	238.5	235.4	236.0	263.7	274.7	275.8	46
5.5	5.5	5.5	28.3	30.1	30.1	8.6	8.4	8.3	22.7	22.9	22.9	24.3	27.2	26.9	47
6.8	7.5	7.5	36.6	38.3	38.2	6.8	7.0	7.0	25.1	25.5	25.5	38.3	40.1	39.9	48
21.2	21.2	21.0	85.4	86.0	86.1	18.8	18.3	18.3	60.1	60.4	60.6	61.6	60.9	61.0	49
15.9	16.7	16.8	67.2	71.7	70.4	19.7	19.3	19.4	53.7	53.9	53.8	47.6	48.1	48.6	50
287.9	290.4	290.9	1,085.5	1,104.0	1,106.2	260.2	264.7	264.8	774.0	788.3	789.4	801.2	824.6	818.9	51
5.8	6.3	6.3	20.2	19.6	19.7	3.1	3.2	3.2	11.6	12.0	12.0	10.2	9.3	9.7	52
5.7	5.7	5.8	33.5	33.5	33.6	9.4	9.8	9.9	26.2	27.6	27.5	64.3	66.5	66.1	53
9.2	10.6	10.3	26.3	26.9	27.4	4.6	4.8	4.8	19.7	20.2	20.4	17.1	17.5	17.5	54
6.0	6.3	6.3	25.1	25.4	25.4	4.8	5.1	5.1	16.4	16.9	17.0	21.8	21.1	21.0	55
75.3	75.7	75.7	293.5	292.8	294.2	86.5	85.6	85.5	190.9	193.8	193.9	135.1	138.6	139.5	56
9.6	9.8	9.8	31.8	33.7	33.9	6.0	6.3	6.2	19.8	20.3	20.5	22.3	25.3	28.1	57
5.6	6.7	6.6	10.7	10.8	10.9	4.2	4.4	4.6	9.9	9.9	9.6	15.8	16.3	16.2	58
79.8	77.7	78.3	235.1	245.1	245.4	61.7	62.8	63.6	195.5	201.7	202.4	118.4	126.0	125.4	59
4.3	4.2	4.3	21.2	21.9	21.8	3.4	3.5	3.5	14.0	12.6	12.7	14.4	13.8	13.9	60
14.2	14.7	14.7	78.4	80.4	81.2	22.0	22.3	22.2	54.4	54.2	54.3	83.2	85.1	84.3	61
2.8	2.8	2.8	12.6	12.7	12.8	3.3	3.4	3.4	10.9	10.9	11.0	9.8	11.0	10.3	62
2.2	2.1	2.1	11.1	11.2	11.2	1.9	2.0	2.0	7.0	7.2	7.1	9.9	10.1	10.0	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			Contract construction			Manufacturing		
	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P
1 UTAH	445.5	467.9	472.4	13.3	14.3	14.3	27.6	30.2	31.5	68.5	70.3	71.8
2 Salt Lake City—Ogden	321.8	338.9	341.4	6.1	6.6	6.7	18.2	21.0	22.0	47.1	48.3	49.8
3 VERMONT	162.3	165.1	167.2	.8	.7	.7	7.8	8.8	8.7	38.9	39.4	40.4
4 Burlington ¹⁷	41.4	43.0	43.2	-	-	-	-	-	-	9.1	9.7	9.8
5 Springfield ¹⁷	13.0	11.7	11.7	-	-	-	-	-	-	5.8	4.9	4.8
6 VIRGINIA	1,763.5	1,793.5	1,797.8	20.5	20.8	20.7	109.7	107.6	108.4	369.5	374.9	379.0
7 Bristol	22.3	23.2	23.2	(1)	(1)	(1)	1.0	1.1	1.1	7.8	8.2	8.1
8 Lynchburg	57.8	59.4	60.0	(1)	(1)	(1)	3.1	3.3	3.4	24.7	25.3	25.7
9 Newport News—Hampton	126.0	131.3	130.8	(1)	(1)	(1)	6.8	6.3	6.3	30.5	32.0	32.0
10 Norfolk—Virginia Beach—Portsmouth	244.1	246.1	246.2	(1)	(1)	(1)	16.1	15.4	15.5	25.3	25.4	25.3
11 Northern Virginia ¹⁸	341.2	349.5	348.7	.3	.3	.3	22.6	24.4	24.5	12.6	11.4	11.5
12 Richmond	271.3	273.7	273.0	.4	.4	.4	16.4	14.7	14.7	49.3	50.8	51.0
13 Roanoke	94.4	94.6	94.7	.2	.2	.2	6.2	5.7	5.8	20.9	21.5	21.3
14 WASHINGTON	1,211.2	1,228.2	1,232.9	2.1	2.0	2.0	59.6	56.9	57.8	245.4	244.1	245.7
15 Seattle—Everett	569.2	579.2	580.9	(1)	(1)	(1)	25.7	25.0	25.9	123.7	118.8	119.8
16 Spokane	100.4	104.3	104.3	(1)	(1)	(1)	5.7	6.5	6.5	13.4	14.6	14.6
17 Tacoma	115.5	118.4	118.9	(1)	(1)	(1)	6.0	5.8	6.1	19.6	19.7	19.5
18 WEST VIRGINIA	554.3	580.2	554.5	60.4	64.0	52.0	26.7	28.7	28.8	118.5	121.9	122.2
19 Charleston	100.2	103.0	99.7	5.9	6.1	4.2	6.1	6.0	6.0	18.2	19.3	19.2
20 Huntington—Ashland	93.0	95.2	93.0	.7	.7	.7	4.4	4.2	4.1	27.3	28.4	28.1
21 Parkersburg—Marietta	48.8	50.4	50.1	.4	.4	.4	2.6	2.4	2.5	15.2	16.0	16.0
22 Wheeling	61.7	61.6	61.5	6.8	7.0	6.5	2.0	2.0	2.0	14.2	13.8	14.0
23 WISCONSIN	1,686.9	1,701.2	1,716.7	2.7	2.7	2.7	63.6	59.9	61.8	517.2	509.7	521.9
24 Appleton—Oshkosh	106.7	107.3	108.0	(1)	(1)	(1)	4.7	5.0	4.8	41.9	41.4	42.1
25 Green Bay	67.1	68.5	69.2	(1)	(1)	(1)	3.1	3.5	3.4	21.0	20.5	20.9
26 Kenosha	42.0	40.6	40.7	(1)	(1)	(1)	1.1	.8	.8	19.2	17.9	17.9
27 La Crosse	33.9	35.0	35.0	(1)	(1)	(1)	1.0	1.1	1.1	9.0	9.1	9.0
28 Madison	135.9	139.4	140.6	(1)	(1)	(1)	6.5	5.9	6.0	16.2	16.4	16.9
29 Milwaukee	591.4	591.8	592.7	(1)	(1)	(1)	18.8	17.5	18.7	196.2	196.6	197.8
30 Racine	61.3	62.4	62.6	(1)	(1)	(1)	1.7	1.6	1.7	26.7	26.5	26.7
31 WYOMING	156.1	167.0	167.2	19.3	21.0	21.6	17.6	16.8	16.9	8.7	8.6	8.7
32 Casper	25.8	28.1	28.4	4.9	5.3	5.3	1.9	2.2	2.2	1.6	1.6	1.6
33 Cheyenne	23.9	24.8	24.5	(1)	(1)	(1)	2.1	1.9	1.8	1.7	1.7	1.8

¹ Combined with services.

² Combined with construction.

³ Federal employment in the Maryland and Virginia sectors of the Washington SMSA is no longer included in data for the District of Columbia.

⁴ Based on 1972 Standard Industrial Classification.

⁵ Area included in Chicago—Gary Standard Consolidated Statistical Area.

⁶ Data do not include federal employment in the Maryland sector of the Washington, D.C. Standard Metropolitan Statistical Area.

⁷ Revised to 1975 benchmark; not strictly comparable with previously published data.

⁸ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

⁹ Subarea of New York—Northeastern New Jersey.

¹⁰ Subarea of Rochester Standard Metropolitan Statistical Area.

¹¹ Area included in New York and Nassau—Suffolk combined SMSA's.

¹² Subarea of New York Standard Metropolitan Statistical Area.

¹³ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

¹⁴ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area:

Philadelphia County.

¹⁵ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

¹⁶ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

¹⁷ Total includes data for industry divisions not shown separately. Services excludes agriculture, forestry, and fisheries.

¹⁸ Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.

^p preliminary.

^{*} Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	
27.4	28.6	28.9	105.6	111.8	113.9	20.3	21.6	21.7	76.3	81.4	81.7	106.5	109.7	108.7	1
22.1	23.0	22.9	78.5	82.8	84.3	17.3	17.6	17.4	52.8	56.9	56.7	79.7	82.8	81.7	2
8.2	7.7	7.8	34.0	34.7	35.2	6.7	6.8	6.9	36.7	37.4	38.1	29.3	29.8	29.6	3
2.1	2.0	2.0	8.7	9.1	9.2	-	-	-	9.0	9.3	9.4	-	-	-	4
.8	.7	.7	2.1	2.0	2.0	-	-	-	2.0	2.0	2.0	-	-	-	5
103.7	104.3	104.3	362.0	367.7	368.1	87.8	89.5	89.4	290.6	305.5	306.0	413.7	423.2	421.9	6
.9	.9	.9	5.0	5.0	5.0	1.0	1.2	1.2	3.0	3.0	3.0	3.6	3.8	3.9	7
2.5	2.6	2.7	9.5	10.1	10.1	2.8	2.8	2.8	7.9	7.9	7.9	7.3	7.4	7.4	8
4.4	4.3	4.3	23.2	23.7	23.5	4.1	4.0	4.1	22.7	25.7	25.5	34.3	35.3	35.1	9
17.1	16.7	16.6	58.8	59.7	60.0	12.7	12.5	12.5	43.0	42.6	42.8	71.1	73.8	73.5	10
25.8	25.9	25.8	79.2	81.7	81.8	22.2	23.2	23.2	76.0	78.1	77.9	102.5	104.5	103.7	11
17.1	17.2	17.2	61.0	62.5	62.6	22.4	22.7	22.6	46.5	48.1	47.9	58.2	57.3	56.6	12
10.2	10.0	9.9	21.6	21.8	21.9	5.6	5.7	5.7	16.4	16.4	16.4	13.3	13.5	13.5	13
71.9	74.5	74.7	285.5	294.1	296.5	67.5	68.9	68.9	222.8	230.2	231.0	256.4	257.5	256.3	14
39.6	41.7	41.9	136.2	141.2	142.2	40.2	41.2	41.4	105.4	109.7	109.2	98.4	101.6	100.5	15
7.4	7.5	7.5	28.2	29.0	29.0	6.3	6.4	6.4	22.5	23.4	23.5	16.9	16.9	16.8	16
5.6	5.9	5.8	27.6	29.6	30.0	5.8	5.7	5.8	23.0	24.1	24.3	27.9	27.6	27.4	17
39.4	39.4	36.9	109.1	109.3	109.3	18.2	18.8	18.7	79.7	81.9	82.8	102.3	116.3	103.8	18
8.8	8.9	8.9	22.6	22.6	22.6	4.2	4.2	4.2	16.1	16.6	16.5	18.2	19.3	18.1	19
9.6	9.4	8.3	18.7	18.9	18.9	3.3	3.3	3.3	12.7	13.5	13.4	16.3	16.7	16.2	20
2.3	2.3	2.3	10.9	11.2	11.1	1.6	1.7	1.6	7.2	7.2	7.2	8.6	9.4	9.1	21
3.7	3.6	3.6	13.5	13.4	13.4	2.4	2.4	2.4	11.6	11.6	12.1	7.5	7.8	7.4	22
79.2	80.6	80.6	381.1	387.6	391.5	74.0	76.8	76.9	300.1	310.1	311.5	269.0	273.8	269.7	23
3.9	3.7	3.8	21.3	21.4	21.8	4.1	4.2	4.2	16.4	17.0	17.1	14.4	14.6	14.1	24
4.6	4.5	4.6	16.2	16.6	16.7	2.0	2.2	2.2	11.6	12.2	12.3	8.7	9.0	9.1	25
1.2	1.3	1.3	7.5	7.7	7.7	.8	.9	.9	6.9	6.6	6.7	5.3	5.4	5.4	26
1.9	2.1	2.1	9.1	9.4	9.7	.9	1.0	.9	7.1	7.5	7.5	4.7	4.8	4.6	27
5.2	5.0	5.1	28.9	29.8	30.2	9.1	9.7	9.7	23.8	25.1	25.3	46.3	47.4	47.4	28
29.0	28.7	28.6	129.1	129.2	129.9	32.4	33.4	33.4	112.8	114.5	113.9	73.0	72.0	70.3	29
2.0	2.0	2.0	11.7	12.3	12.3	1.7	1.7	1.7	9.7	10.1	10.2	7.8	8.2	8.1	30
12.8	13.6	13.7	33.7	36.4	36.8	4.7	5.3	5.4	26.3	28.4	28.6	33.0	36.9	35.5	31
1.8	2.0	2.1	6.7	7.6	7.6	1.0	1.1	1.1	4.2	4.5	4.5	3.7	3.8	4.0	32
3.3	3.3	3.3	4.9	5.3	5.3	1.3	1.4	1.4	4.3	4.4	4.4	6.3	6.8	6.5	33

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers ¹ on private nonagricultural payrolls, by industry

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^P	Sept. 1976 ^P	Aug. 1975	Sept. 1975	July 1976	Aug. 1976	Sept. 1976 ^P
-	TOTAL PRIVATE	\$166.90	\$168.43	\$177.88	\$178.61	\$179.19	\$4.56	\$4.64	\$4.86	\$4.88	\$4.95
-	MINING	248.64	255.25	272.85	254.78	286.24 ^C	5.92	6.02	6.39	6.26	6.55 ^C
10	METAL MINING	252.32	258.85	283.50	284.14	-	6.23	6.36	6.75	6.88	-
101	Iron ores	279.48	293.63	311.17	306.25	-	6.53	6.75	7.04	7.24	-
102	Copper ores	247.68	245.86	278.48	281.00	-	6.45	6.47	7.05	7.15	-
11,12	COAL MINING	277.15	290.54	304.58	228.44	-	7.18	7.30	7.77	7.77	-
12	Bituminous coal and lignite mining	276.82	291.34	305.37	227.56	-	7.19	7.32	7.79	7.82	-
13	OIL AND GAS EXTRACTION	236.62	240.35	257.47	264.23	-	5.39	5.45	5.76	5.82	-
131,2	Crude petroleum and natural gas fields	245.20	253.13	273.31	277.20	-	6.13	6.25	6.57	6.60	-
138	Oil and gas field services	231.38	233.77	248.56	258.18	-	5.03	5.06	5.38	5.47	-
14	NONMETALLIC MINERALS, EXCEPT	-	-	-	-	-	-	-	-	-	-
	FUELS	223.89	224.73	242.82	244.61	-	5.02	5.05	5.42	5.46	-
142	Crushed and broken stone	223.39	223.39	235.65	240.38	-	5.02	5.02	5.26	5.33	-
-	CONTRACT CONSTRUCTION	274.81	278.99	291.07	293.35	288.56	7.27	7.42	7.68	7.74	7.82
15	GENERAL BUILDING CONTRACTORS	261.28	265.70	273.80	278.61	-	7.10	7.22	7.42	7.53	-
16	HEAVY CONSTRUCTION CONTRACTORS	279.30	284.41	297.25	299.52	-	6.73	6.92	7.25	7.27	-
161	Highway and street construction	277.75	282.07	291.33	292.72	-	6.52	6.70	6.92	6.92	-
162	Heavy construction, nec	280.67	286.63	302.00	305.47	-	6.93	7.13	7.55	7.58	-
17	SPECIAL TRADE CONTRACTORS	280.36	284.70	299.46	299.26	-	7.66	7.80	8.05	8.11	-
171	Plumbing, heating, air conditioning	291.06	296.32	315.65	313.50	-	7.70	7.86	8.22	8.25	-
172	Painting, paper hanging, decorating	250.26	250.56	259.81	263.69	-	7.01	7.20	7.36	7.47	-
173	Electrical work	314.87	321.77	340.74	338.17	-	8.33	8.49	8.92	8.97	-
174	Masonry, stonework, and plastering	262.47	261.37	269.26	275.20	-	7.63	7.71	7.85	8.00	-
176	Roofing and sheetmetal work	235.94	239.19	251.76	255.54	-	6.96	7.14	7.34	7.45	-
-	MANUFACTURING	191.35	196.58	208.00	207.88	212.40 ^C	4.82	4.89	5.20	5.21	5.31 ^C
19,24,25,32,39	DURABLE GOODS	205.88	212.22	224.78	225.99	230.20	5.16	5.24	5.55	5.58	5.67
20-23,26-31	NONDURABLE GOODS	172.22	175.52	183.85	184.63	188.25	4.36	4.41	4.69	4.71	4.79
	DURABLE GOODS	-	-	-	-	-	-	-	-	-	-
19	ORDNANCE AND ACCESSORIES	216.48	224.76	232.88	231.73	233.34	5.28	5.39	5.75	5.75	5.79
192	Ammunition, except for small arms	217.34	226.85	228.73	231.85	230.10	5.42	5.56	5.82	5.84	5.87
1925	Complete guided missiles	249.45	256.27	249.95	255.04	-	6.04	6.19	6.36	6.36	-
1929	Ammunition, exc. for small arms, nec.	173.25	180.35	188.94	190.42	-	4.50	4.52	4.82	4.87	-
24	LUMBER AND WOOD PRODUCTS	174.72	177.20	194.32	196.99	195.69	4.39	4.43	4.81	4.84	4.88
242	Sawmills and planing mills	171.23	173.29	192.23	195.82	(*)	4.27	4.30	4.70	4.73	(*)
2421	Sawmills and planing mills, general	177.68	180.18	201.88	204.93	-	4.42	4.46	4.90	4.95	-
243	Millwork, plywood and related products	177.01	180.29	199.17	200.07	(*)	4.47	4.53	4.93	4.94	(*)
2431	Millwork	176.04	175.43	184.32	185.89	-	4.39	4.43	4.69	4.73	-
2432	Veneer and plywood	179.73	185.26	219.72	221.31	-	4.55	4.62	5.32	5.32	-
244	Wooden containers	125.73	131.03	138.67	141.71	(*)	3.30	3.43	3.63	3.70	(*)
2441,2	Wooden boxes, shooks, and crates	123.83	129.07	136.58	139.98	-	3.25	3.37	3.52	3.58	-
249	Miscellaneous wood products	150.18	151.78	156.02	160.00	(*)	3.69	3.72	3.96	3.98	(*)
25	FURNITURE AND FIXTURES	146.66	149.33	151.65	155.99	157.85	3.78	3.79	3.97	4.01	4.10
251	Household furniture	137.80	141.09	142.13	146.29	(*)	3.57	3.59	3.75	3.79	(*)
2511	Wood household furniture	128.82	132.33	137.00	140.62	-	3.32	3.35	3.54	3.56	-
2512	Upholstered household furniture	145.92	150.54	144.94	150.63	-	3.82	3.86	3.96	4.06	-
2515	Mattresses and bedsprings	158.75	162.76	159.47	165.30	-	4.06	4.11	4.31	4.35	-
252	Office furniture	169.95	167.98	177.18	186.00	-	4.27	4.21	4.52	4.57	-
254	Partitions and fixtures	179.93	182.42	189.43	194.89	-	4.59	4.63	4.82	4.86	-
253,9	Other furniture and fixtures	163.49	164.64	167.42	169.60	(*)	4.16	4.20	4.36	4.36	(*)
32	STONE, CLAY, AND GLASS PRODUCTS	203.86	206.41	219.60	221.90	222.89	4.96	5.01	5.33	5.36	5.41
321	Flat glass	246.43	248.46	294.79	296.35	-	6.13	6.29	6.92	6.86	-
322	Glass and glassware, pressed or blown	202.81	204.02	219.92	219.37	(*)	5.02	5.05	5.43	5.43	(*)
3221	Glass containers	213.09	214.43	230.11	232.31	-	5.21	5.23	5.64	5.68	-
3229	Pressed and blown glass, nec	187.31	188.50	203.60	200.09	-	4.73	4.76	5.09	5.04	-
324	Cement, hydraulic	271.23	274.80	308.58	310.80	(*)	6.52	6.59	7.40	7.40	(*)
325	Structural clay products	164.81	167.68	173.83	175.10	177.19	4.01	4.07	4.25	4.25	4.28
3251	Brick and structural clay tile	151.48	153.14	162.57	162.47	-	3.65	3.69	3.88	3.85	-
326	Pottery and related products	162.31	166.32	171.45	173.60	-	4.26	4.32	4.50	4.44	-
327	Concrete, gypsum, and plaster products	215.43	217.42	231.98	234.14	233.38	5.01	5.08	5.37	5.42	5.44
328,9	Other stone and nonmetallic mineral products	194.49	197.72	209.04	212.22	(*)	4.85	4.87	5.20	5.24	(*)
3291	Abrasive products	181.88	184.02	203.58	205.41	-	4.85	4.83	5.22	5.24	-

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**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^P	Sept. 1976 ^P	Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^P	Sept. 1976 ^P
-	TOTAL PRIVATE	36.6	36.3	36.6	36.6	36.2	-	-	-	-	-
-	MINING	42.0	42.4	42.7	40.7	43.7	-	-	-	-	-
10	METAL MINING	40.5	40.7	42.0	41.3	-	-	-	-	-	
101	Iron ores	42.8	43.5	44.2	42.3	-	-	-	-	-	
102	Copper ores	38.4	38.0	39.5	39.3	-	-	-	-	-	
11,12	COAL MINING	38.6	39.8	39.2	29.4	-	-	-	-	-	
12	Bituminous coal and lignite mining	38.5	39.8	39.2	29.1	-	-	-	-	-	
13	OIL AND GAS EXTRACTION	43.9	44.1	44.7	45.4	-	-	-	-	-	
131,2	Crude petroleum and natural gas fields	40.0	40.5	41.6	42.0	-	-	-	-	-	
138	Oil and gas field services	46.0	46.2	46.2	47.2	-	-	-	-	-	
14	NONMETALLIC MINERALS, EXCEPT	44.6	44.5	44.8	44.8	-	-	-	-	-	
142	FUELS	44.5	44.5	44.8	45.1	-	-	-	-	-	
-	CONTRACT CONSTRUCTION	37.8	37.6	37.9	37.9	36.9	-	-	-	-	
15	GENERAL BUILDING CONTRACTORS	36.8	36.8	36.9	37.0	-	-	-	-	-	
16	HEAVY CONSTRUCTION CONTRACTORS	41.5	41.1	41.0	41.2	-	-	-	-	-	
161	Highway and street construction	42.6	42.1	42.1	42.3	-	-	-	-	-	
162	Heavy construction, nec	40.5	40.2	40.0	40.3	-	-	-	-	-	
17	SPECIAL TRADE CONTRACTORS	36.6	36.5	37.2	36.9	-	-	-	-	-	
171	Plumbing, heating, air conditioning	37.8	37.7	38.4	38.0	-	-	-	-	-	
172	Painting, paper hanging, decorating	35.7	34.8	35.3	35.3	-	-	-	-	-	
173	Electrical work	37.8	37.9	38.2	37.7	-	-	-	-	-	
174	Masonry, stonework, and plastering	34.4	33.9	34.3	34.4	-	-	-	-	-	
176	Roofing and sheetmetal work	33.9	33.5	34.3	34.3	-	-	-	-	-	
-	MANUFACTURING	39.7	40.2	40.0	39.9	40.0	2.9	3.1	3.1	3.3	
19,24,25, 32-39	DURABLE GOODS	39.9	40.5	40.5	40.5	40.6	2.7	3.0	3.2	3.5	
20-23,26-31	NONDURABLE GOODS	39.5	39.8	39.2	39.2	39.3	3.1	3.4	3.0	3.1	
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	41.0	41.7	40.5	40.3	40.3	2.8	2.8	2.9	2.7	
192	Ammunition, except for small arms	40.1	40.8	39.3	39.7	39.2	2.5	2.5	1.9	2.1	
1925	Complete guided missiles	41.3	41.4	39.3	40.1	-	-	-	-	-	
1929	Ammunition, exc. for small arms, nec.	38.5	39.9	39.2	39.1	-	-	-	-	-	
24	LUMBER AND WOOD PRODUCTS	39.8	40.0	40.4	40.7	40.1	3.4	3.5	3.5	3.8	
242	Sawmills and planing mills	40.1	40.3	40.9	41.4	(*)	3.8	4.0	4.1	4.5	
2421	Sawmills and planing mills, general	40.2	40.4	41.2	41.4	-	-	-	-	-	
243	Millwork, plywood and related products	39.6	39.8	40.4	40.5	(*)	2.8	3.0	3.3	3.6	
2431	Millwork	40.1	39.6	39.3	39.3	-	-	-	-	-	
2432	Veneer and plywood	39.5	40.1	41.3	41.6	-	-	-	-	-	
244	Wooden containers	38.1	38.2	38.2	38.3	(*)	2.1	2.5	2.6	2.6	
2441,2	Wooden boxes, shooks, and crates	38.1	38.3	38.8	39.1	-	-	-	-	-	
249	Miscellaneous wood products	40.7	40.8	39.4	40.2	(*)	3.6	3.5	2.6	2.7	
25	FURNITURE AND FIXTURES	38.8	39.4	38.2	38.9	38.5	2.2	2.4	1.7	2.2	
251	Household furniture	38.6	39.3	37.9	38.6	(*)	2.1	2.4	1.5	2.0	
2511	Wood household furniture	38.8	39.5	38.7	39.5	-	2.3	2.5	2.0	2.6	
2512	Upholstered household furniture	38.2	39.0	36.6	37.1	-	-	-	-	-	
2515	Mattresses and bedsprings	39.1	39.6	37.0	38.0	-	-	-	-	-	
252	Office furniture	39.8	39.9	39.2	40.7	-	2.2	2.3	2.1	2.7	
254	Partitions and fixtures	39.2	39.4	39.3	40.1	-	2.3	2.7	2.9	3.3	
253,9	Other furniture and fixtures	39.3	39.2	38.4	38.9	(*)	2.4	2.4	1.6	1.7	
32	STONE, CLAY, AND GLASS PRODUCTS	41.1	41.2	41.2	41.4	41.2	4.2	4.3	4.2	4.3	
321	Flat glass	40.2	39.5	42.6	43.2	-	3.3	3.6	5.2	5.0	
322	Glass and glassware, pressed or blown	40.4	40.4	40.5	40.4	(*)	4.1	4.3	4.2	4.1	
3221	Glass containers	40.9	41.0	40.8	40.9	-	-	-	-	-	
3229	Pressed and blown glass, nec	39.6	39.6	40.0	39.7	-	2.6	3.0	3.3	2.9	
324	Cement, hydraulic	41.6	41.7	41.7	42.0	(*)	3.1	3.2	3.2	3.3	
326	Structural clay products	41.1	41.2	40.9	41.2	41.4	3.9	4.0	4.1	4.1	
3251	Brick and structural clay tile	41.5	41.5	41.9	42.2	-	-	-	-	-	
328	Pottery and related products	38.1	38.5	38.1	39.1	-	2.1	2.3	1.9	2.2	
327	Concrete, gypsum, and plaster products	43.0	42.8	43.2	43.2	42.9	5.9	5.8	5.9	5.9	
328,9	Other stone and nonmetallic mineral products	40.1	40.6	40.2	40.5	(*)	3.1	3.3	2.9	3.3	
3291	Abrasive products	37.5	38.1	39.0	39.2	-	-	-	-	-	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^b	Sept. 1976 ^b	Aug. 1975	Sept. 1975	July 1975	Aug. 1976 ^b	Sept. 1976 ^b
DURABLE GOODS—Continued											
33	PRIMARY METAL INDUSTRIES	\$249.08	\$257.52	\$280.03	\$280.55	\$283.27	\$6.29	\$6.39	\$6.83	\$6.91	\$6.96
331	Blast furnace and basic steel products	278.52	288.22	312.83	212.82	(*)	7.16	7.26	7.63	7.84	(*)
3312	Blast furnaces and steel mills	285.18	295.02	219.80	319.19	—	7.35	7.45	7.80	8.04	—
332	Iron and steel foundries	219.85	225.68	253.78	257.09	(*)	5.51	5.60	6.22	6.21	(*)
3321	Gray iron foundries	224.64	230.35	267.71	270.50	—	5.63	5.73	6.42	6.41	—
3322	Malleable iron foundries	224.46	230.06	257.54	263.56	—	5.83	5.96	6.57	6.54	—
3323	Steel foundries	207.03	213.72	217.56	219.94	—	5.15	5.20	5.55	5.54	—
333.4	Nonferrous metals	245.02	253.59	277.72	278.05	(*)	6.08	6.17	6.66	6.70	(*)
3334	Primary aluminum	277.17	283.03	310.17	306.77	—	6.81	6.92	7.35	7.41	—
335	Nonferrous rolling and drawing	229.75	238.83	254.10	255.59	259.86	5.59	5.70	6.05	6.10	6.10
3351	Copper rolling and drawing	229.22	234.22	249.23	253.30	—	5.55	5.59	5.92	5.96	—
3352	Aluminum rolling and drawing	240.61	246.03	272.00	270.09	—	5.84	5.90	6.37	6.37	—
3357	Nonferrous wire drawing and insulating	227.84	240.39	249.00	253.34	—	5.53	5.71	6.00	6.09	—
336	Nonferrous foundries	189.54	196.71	210.25	209.32	(*)	4.86	4.93	5.23	5.22	(*)
3361	Aluminum castings	193.83	203.09	214.27	213.06	—	4.97	5.09	5.33	5.30	—
3362.9	Other nonferrous castings	184.00	190.00	203.71	204.40	—	4.73	4.75	5.08	5.11	—
339	Miscellaneous primary metal products	240.60	247.64	258.24	253.84	(*)	6.00	6.04	6.44	6.41	(*)
3391	Iron and steel forgings	252.80	261.84	275.37	275.15	—	6.32	6.34	6.85	6.83	—
34	FABRICATED METAL PRODUCTS	204.00	209.39	220.05	223.86	227.55	5.10	5.17	5.42	5.46	5.55
341	Metal cans	297.48	294.34	327.73	323.10	315.80	6.67	6.72	7.14	7.18	7.21
342	Cultery, hand tools, and hardware	187.29	196.49	206.68	212.10	(*)	4.79	4.90	5.18	5.25	(*)
3421.3,5	Cultery and hand tools, incl. saws	177.91	184.00	189.21	194.57	—	4.55	4.60	4.79	4.84	—
3429	Hardware, nec	194.22	205.71	218.95	224.92	—	4.98	5.13	5.46	5.54	—
343	Plumbing and heating, except electric	182.46	187.17	193.64	198.77	(*)	4.55	4.61	4.89	4.92	(*)
3431.2	Sanitary ware and plumbers' brass goods	183.66	192.29	191.98	194.34	—	4.58	4.69	4.91	4.92	—
3433	Heating equipment, except electric	181.25	182.91	195.69	202.21	—	4.52	4.55	4.88	4.92	—
344	Fabricated structural metal products	204.11	207.25	212.00	216.54	(*)	5.09	5.13	5.30	5.36	(*)
3441	Fabricated structural steel	202.01	222.03	230.16	236.59	—	5.34	5.35	5.60	5.66	—
3442	Metal doors, sash, and trim	160.24	164.74	170.13	171.16	—	4.13	4.16	4.34	4.40	—
3443	Fabricated plate work (boiler shops)	219.37	223.18	221.87	229.77	—	5.39	5.47	5.66	5.73	—
3444	Sheet metal work	205.92	209.21	217.95	221.10	—	5.28	5.31	5.49	5.50	—
3446.9	Architectural and misc. metal work	191.75	194.17	206.82	209.39	—	4.77	4.83	5.02	5.07	—
345	Screw machine products, bolts, etc	189.54	195.13	217.46	219.98	(*)	4.86	4.94	5.24	5.25	(*)
3451	Screw machine products	181.10	187.70	209.16	209.25	—	4.62	4.74	5.04	5.03	—
3452	Bolts, nuts, rivets, and washers	197.49	202.64	226.30	230.29	—	5.09	5.13	5.44	5.47	—
346	Metal stampings	222.56	232.56	250.28	258.07	(*)	5.55	5.70	6.06	6.13	(*)
347	Metal services, nec	163.41	167.11	178.09	179.69	180.50	4.19	4.22	4.43	4.47	4.49
348	Miscellaneous fabricated wire products	177.36	179.10	185.80	189.66	(*)	4.49	4.50	4.68	4.66	(*)
349	Miscellaneous fabricated metal products	196.50	201.60	210.94	213.06	(*)	5.00	5.04	5.30	5.30	(*)
3494.8	Valves, pipe, and pipe fittings	205.01	209.44	215.42	217.74	—	5.19	5.21	5.44	5.43	—
35	MACHINERY, EXCEPT ELECTRICAL	217.76	223.72	234.60	236.57	239.44	5.39	5.47	5.75	5.77	5.84
351	Engines and turbines	245.84	254.00	273.50	276.74	(*)	6.07	6.15	6.72	6.85	(*)
3511	Steam engines and turbines	229.30	239.93	264.06	267.40	—	5.62	5.74	6.52	6.57	—
3519	Internal combustion engines, nec	252.50	260.57	277.85	280.19	—	6.25	6.34	6.81	6.97	—
352	Farm machinery	235.18	238.04	244.40	243.81	—	5.75	6.82	6.11	6.08	—
353	Construction and related machinery	232.47	237.31	241.19	246.44	(*)	5.67	5.76	6.06	6.07	(*)
3531.2	Construction and mining machinery	247.86	252.34	252.71	261.45	—	6.12	6.20	6.53	6.52	—
3533	Oil field machinery	219.73	228.11	231.85	241.39	—	5.11	5.22	5.56	5.64	—
3535.6	Conveyors, hoists, cranes, monorails	216.60	222.35	232.25	224.16	—	5.27	5.41	5.61	5.59	—
3537	Industrial trucks and tractors	193.72	194.66	216.37	215.32	—	4.98	5.03	5.45	5.41	—
354	Metal working machinery	221.20	229.04	243.85	246.86	(*)	5.53	5.60	5.89	5.92	(*)
3541	Machine tools, metal cutting types	223.16	229.34	247.70	247.97	—	5.51	5.58	5.94	5.96	—
3544	Special dies, tools, jigs and fixtures	241.84	249.78	266.41	270.43	—	5.87	5.99	6.21	6.26	—
3545	Machine tool accessories	199.04	206.71	222.77	225.64	—	5.13	5.22	5.46	5.49	—
3542.8	Miscellaneous metal working machinery	197.63	208.06	214.73	217.80	—	5.16	5.15	5.52	5.50	—
355	Special industry machinery	197.90	202.31	215.20	218.02	(*)	4.96	5.02	5.34	5.37	(*)
3551	Food products machinery	207.95	210.37	225.74	232.63	—	5.16	5.22	5.56	5.66	—
3552	Textile machinery	161.82	165.90	180.35	181.70	—	4.16	4.20	4.52	4.52	—
3555	Printing trades machinery	198.86	199.80	225.32	225.76	—	5.06	5.11	5.69	5.63	—
356	General industrial machinery	218.16	224.27	230.68	235.01	(*)	5.40	5.47	5.71	5.76	(*)
3561	Pumps and compressors	219.60	224.05	227.43	234.67	—	5.33	5.36	5.70	5.78	—
3562	Ball and roller bearings	228.58	238.63	245.37	253.31	—	5.63	5.75	5.97	6.06	—
3564	Blowers and fans	204.42	201.89	220.66	224.47	—	5.06	5.06	5.33	5.37	—
3566	Power transmission equipment	216.80	224.67	233.21	235.66	—	5.34	5.44	5.73	5.72	—
357	Office and computing machines	207.67	209.92	221.76	221.65	(*)	5.09	5.12	5.28	5.29	(*)
3573	Electronic computing equipment	218.93	221.01	232.35	232.35	—	5.25	5.30	5.48	5.48	—
358	Service industry machines	192.67	198.00	212.74	208.28	(*)	4.89	4.95	5.24	5.22	(*)
3585	Refrigeration machinery	193.25	200.07	217.54	210.65	—	4.88	4.94	5.28	5.24	—
359	Miscellaneous machinery, except electrical	208.87	215.25	230.74	232.69	(*)	5.17	5.25	5.56	5.58	(*)

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**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^a	Sept. 1976 ^b	Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^b	Sept. 1976 ^b
	DURABLE GOODS—Continued										
33	PRIMARY METAL INDUSTRIES	39.6	40.3	41.0	40.6	40.7	2.7	3.0	3.6	3.5	-
331	Blast furnace and basic steel products	38.9	39.7	41.0	39.9	(*)	1.8	2.2	3.2	2.7	-
3312	Blast furnaces and steel mills	38.8	39.6	41.0	39.7	-	1.7	2.1	3.2	2.6	-
332	Iron and steel foundries	39.9	40.3	40.8	41.4	(*)	3.7	3.9	4.4	4.7	-
3321	Gray iron foundries	39.9	40.2	41.7	42.2	-	3.9	3.9	5.2	5.5	-
3322	Malleable iron foundries	38.5	38.6	39.2	-	-	-	-	-	-	-
3323	Steel foundries	40.2	41.1	39.2	39.7	-	3.7	4.1	2.8	3.2	-
333,4	Nonferrous metals	40.3	41.1	41.7	41.5	(*)	3.2	3.6	4.0	3.6	-
3334	Primary aluminum	40.7	40.9	42.2	41.4	-	-	-	-	-	-
335	Nonferrous rolling and drawing	41.1	41.9	42.0	41.9	42.6	3.8	4.2	4.2	4.7	-
3351	Copper rolling and drawing	41.3	41.9	42.1	42.5	-	-	-	-	-	-
3352	Aluminum rolling and drawing	41.2	41.7	42.7	42.4	-	3.8	4.1	5.2	4.8	-
3357	Nonferrous wire drawing and insulating	41.2	42.1	41.5	41.6	-	3.9	4.4	3.9	4.7	-
336	Nonferrous foundries	39.0	39.9	40.2	40.1	(*)	2.1	2.6	3.0	2.9	-
3361	Aluminum castings	39.0	39.9	40.2	-	-	-	-	-	-	-
3362,9	Other nonferrous castings	38.9	40.0	40.1	40.0	-	-	-	-	-	-
339	Miscellaneous primary metal products	40.1	41.0	40.1	39.6	(*)	3.4	3.6	3.4	3.6	-
3391	Iron and steel forgings	40.0	41.3	40.2	39.7	-	-	-	-	-	-
34	FABRICATED METAL PRODUCTS	40.0	40.5	40.6	41.0	41.0	2.8	3.0	3.2	3.5	-
341	Metal cans	44.6	43.8	45.9	45.0	43.8	5.5	5.2	5.7	5.2	-
342	Cutlery, hand tools, and hardware	39.1	40.1	39.9	40.4	(*)	1.9	2.4	2.7	3.2	-
3421,3,5	Cutlery and hand tools, incl. saws	39.1	40.0	39.5	40.2	-	-	-	-	-	-
3429	Hardware, nec	39.0	40.1	40.1	40.6	-	-	-	-	-	-
343	Plumbing and heating, except electric	40.1	40.6	39.6	40.4	(*)	2.6	3.1	2.9	2.9	-
3431,2	Sanitary ware and plumbers' brass goods	40.1	41.0	39.1	39.5	-	-	-	-	-	-
3433	Heating equipment, except electric	40.1	40.2	40.1	41.1	-	-	-	-	-	-
344	Fabricated structural metal products	40.1	40.4	40.0	40.4	(*)	2.8	2.9	2.7	3.0	-
3441	Fabricated structural steel	41.2	41.5	41.1	41.8	-	3.5	3.5	2.6	3.7	-
3442	Metal doors, sash, and trim	38.8	39.6	39.2	38.9	-	-	-	-	-	-
3443	Fabricated plate work (boiler shops)	40.7	40.8	39.2	40.1	-	3.2	3.3	2.3	2.5	-
3444	Sheet metal work	39.0	39.4	39.7	40.2	-	-	-	-	-	-
3448,9	Architectural and misc. metal work	40.2	40.2	41.2	41.3	-	-	-	-	-	-
345	Screw machine products, bolts, etc	39.0	39.5	41.5	41.9	-	1.6	2.0	3.6	4.1	-
3451	Screw machine products	39.2	39.6	41.5	41.6	-	-	-	-	-	-
3452	Bolts, nuts, rivets, and washers	38.8	39.5	41.6	42.1	-	-	-	-	-	-
348	Metal stampings	40.1	40.8	41.3	42.1	(*)	3.0	3.5	4.1	4.5	-
347	Metal services, nec	39.0	39.6	40.2	40.2	40.2	2.7	3.1	3.5	3.4	-
348	Miscellaneous fabricated wire products	39.5	39.8	39.7	40.7	(*)	2.4	2.7	2.6	2.8	-
349	Miscellaneous fabricated metal products	39.3	40.0	39.8	40.2	(*)	2.6	2.8	2.7	2.7	-
3494,8	Valves, pipe, and pipe fittings	39.5	40.2	39.6	40.1	-	-	-	-	-	-
35	MACHINERY, EXCEPT ELECTRICAL	40.4	40.9	40.8	41.0	41.0	2.9	3.1	3.0	3.2	-
351	Engines and turbines	40.5	41.3	40.7	40.4	(*)	3.1	3.9	3.6	3.4	-
3511	Steam engines and turbines	40.8	41.8	40.5	40.7	-	-	-	-	-	-
3519	Internal combustion engines, nec	40.4	41.1	40.8	40.2	-	-	-	-	-	-
352	Farm machinery	40.9	40.9	40.0	40.1	-	3.1	2.9	2.7	3.0	-
353	Construction and related machinery	41.0	41.2	39.8	40.6	(*)	3.2	3.3	2.2	2.5	-
3531,2	Construction and mining machinery	40.5	40.7	38.7	40.1	-	3.2	2.8	1.4	2.1	-
3533	Oil field machinery	43.0	43.7	41.7	42.8	-	-	-	-	-	-
3535,8	Conveyors, hoists, cranes, monorails	41.1	41.1	41.4	40.1	-	-	-	-	-	-
3537	Industrial trucks and tractors	38.9	38.7	39.7	39.8	-	-	-	-	-	-
354	Metal working machinery	40.0	40.9	41.4	41.7	(*)	3.0	3.1	3.9	4.0	-
3541	Machine tools, metal cutting types	40.5	41.1	41.7	41.6	-	3.4	2.7	3.5	3.6	-
3544	Special dies, tools, jigs and fixtures	41.2	41.7	42.9	43.2	-	-	-	-	-	-
3545	Machine tool accessories	38.8	39.6	40.8	41.1	-	1.9	2.3	3.4	2.9	-
3542,8	Miscellaneous metal working machinery	38.3	40.4	38.9	39.6	-	-	-	-	-	-
355	Special industry machinery	39.9	40.3	40.3	40.6	(*)	2.4	2.7	2.5	3.1	-
3551	Food products machinery	40.3	40.3	40.6	41.1	-	-	-	-	-	-
3552	Textile machinery	38.9	39.5	39.9	40.2	-	-	-	-	-	-
3555	Printing trades machinery	39.3	39.1	39.6	40.1	-	-	-	-	-	-
356	General industrial machinery	40.4	41.0	40.4	40.8	(*)	2.9	3.3	2.8	3.2	-
3561	Pumps and compressors	41.2	41.8	39.9	40.6	-	3.1	3.2	2.5	3.0	-
3562	Ball and roller bearings	40.6	41.5	41.1	41.8	-	3.0	3.7	3.5	4.2	-
3564	Blowers and fans	40.4	39.9	41.4	41.8	-	-	-	-	-	-
3566	Power transmission equipment	40.6	41.3	40.7	41.2	-	3.2	4.1	3.2	3.6	-
357	Office and computing machines	40.8	41.0	42.0	41.9	(*)	2.1	2.2	2.7	2.9	-
3573	Electronic computing equipment	41.7	41.7	42.4	42.4	-	-	-	-	-	-
358	Service industry machines	39.4	40.0	40.6	39.9	(*)	1.6	1.6	2.8	2.3	-
3585	Refrigeration machinery	39.6	40.5	41.2	40.2	-	1.4	1.8	3.1	2.2	-
359	Miscellaneous machinery, except electrical ..	40.4	41.0	41.5	41.7	(*)	3.4	3.7	3.6	3.7	-

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1975	Sept. 1975	July 1976	Aug. ^P 1976	Sept. ^P 1976	Aug. 1975	Sept. 1975	July 1976	Aug. ^P 1976	Sept. ^P 1976
	DURABLE GOODS—Continued										
36	ELECTRICAL EQUIPMENT AND SUPPLIES	\$181.70	\$185.93	\$193.55	\$196.61	\$198.29	\$4.60	\$4.66	\$4.90	\$4.94	\$5.02
361	Electric test and distributing equipment	184.63	186.36	205.65	201.88	(*)	4.71	4.73	5.18	5.15	(*)
3611	Electric measuring instruments	162.29	163.46	201.99	201.68	—	4.14	4.17	5.06	5.08	—
3612	Transformers	184.55	185.42	196.31	194.62	—	4.72	4.73	4.92	4.89	—
3613	Switchgear and switchboard apparatus	202.91	202.25	213.94	207.13	—	5.15	5.17	5.43	5.38	—
362	Electrical industrial apparatus	181.37	184.00	194.93	200.80	(*)	4.58	4.60	4.96	5.02	(*)
3621	Motors and generators	182.86	186.41	198.69	204.83	—	4.56	4.58	5.03	5.07	—
3622	Industrial controls	173.70	175.83	181.93	191.30	—	4.50	4.52	4.75	4.88	—
363	Household appliances	184.67	186.93	192.86	196.12	195.42	4.64	4.65	4.92	4.94	4.96
3632	Household refrigerators and freezers	187.79	190.03	211.72	208.43	—	4.84	4.86	5.36	5.25	—
3633	Household laundry equipment	222.86	221.90	220.47	229.43	—	5.53	5.52	5.61	5.75	—
3634	Electric housewares and fans	156.82	157.61	161.77	167.84	—	3.97	3.99	4.18	4.26	—
364	Electric lighting and wiring equipment	169.56	172.92	179.93	184.32	(*)	4.37	4.40	4.59	4.69	(*)
3641	Electric lamps	175.87	183.47	190.69	203.77	—	4.43	4.53	4.72	4.97	—
3642	Lighting fixtures	172.87	176.79	182.50	185.86	—	4.49	4.58	4.79	4.84	—
3643,4	Wiring devices	164.09	165.45	172.97	174.05	—	4.24	4.21	4.39	4.44	—
365	Radio and TV receiving equipment	164.40	173.09	173.42	175.41	(*)	4.27	4.36	4.60	4.58	(*)
366	Communication equipment	205.25	215.07	220.25	227.77	(*)	5.17	5.35	5.52	5.61	(*)
3661	Telephone and telegraph apparatus	204.22	222.31	223.67	236.55	—	5.17	5.53	5.55	5.70	—
3662	Radio and TV communication equipment	205.77	210.25	217.80	222.00	—	5.17	5.23	5.50	5.55	—
367	Electronic components and accessories	154.84	157.61	163.15	162.31	163.07	3.93	3.97	4.12	4.13	4.16
3671-3	Electron tubes	200.45	206.07	208.55	210.00	—	4.83	4.93	5.24	5.25	—
3674,9	Other electronic components	147.42	150.11	156.82	156.02	—	3.78	3.81	3.97	3.98	—
369	Miscellaneous electrical equip. and supplies	213.56	218.24	231.74	239.13	(*)	5.26	5.31	5.68	5.68	(*)
3694	Engine electrical equipment	225.28	230.11	253.37	254.89	—	5.59	5.64	6.12	6.04	—
37	TRANSPORTATION EQUIPMENT	240.40	253.58	273.00	265.77	280.98	6.01	6.14	6.50	6.53	6.69
371	Motor vehicles and equipment	257.75	275.64	309.93	296.10	(*)	6.46	6.61	7.06	7.05	(*)
3711	Motor vehicles	259.58	285.38	331.81	297.60	—	6.76	6.86	7.39	7.33	—
3712	Passenger car bodies	276.23	295.40	337.40	(*)	—	7.25	7.33	8.29	(*)	—
3713	Truck and bus bodies	199.90	203.31	224.95	221.10	—	5.01	5.07	5.50	5.50	—
3714	Motor vehicle parts and accessories	262.26	275.37	304.41	308.00	—	6.35	6.51	6.95	7.00	—
3715	Truck trailers	181.23	188.65	193.22	193.22	—	4.82	4.90	4.98	4.98	—
372	Aircraft and parts ¹	249.26	254.18	263.90	261.55	(*)	6.05	6.11	6.50	6.49	(*)
3721	Aircraft ¹	259.16	263.34	271.47	269.99	—	6.26	6.30	6.67	6.65	—
3722	Aircraft engines and engine parts ¹	245.83	252.76	267.71	263.34	—	6.04	6.12	6.61	6.60	—
3723,9	Other aircraft parts and equipment ¹	231.54	235.61	241.40	240.99	—	5.62	5.65	5.99	5.98	—
373	Ship and boat building and repairing	207.11	217.21	222.26	219.46	224.83	5.23	5.35	5.67	5.73	5.75
3731	Ship building and repairing	219.05	229.96	235.20	232.86	—	5.49	5.65	6.00	6.08	—
3732	Boat building and repairing	163.24	170.83	175.89	173.57	—	4.24	4.26	4.51	4.52	—
374	Railroad equipment	243.72	243.49	257.54	(*)	—	6.17	6.18	6.57	(*)	—
375,9	Other transportation equipment	162.09	165.78	175.43	174.00	—	4.21	4.24	4.43	4.45	—
38	INSTRUMENTS AND RELATED PRODUCTS	179.60	184.00	196.66	196.18	197.87	4.57	4.60	4.88	4.88	4.91
381	Engineering and scientific instruments	195.77	199.35	208.68	206.40	—	4.87	4.91	5.14	5.16	—
382	Mechanical measuring and control devices	173.60	176.51	189.13	188.58	193.80	4.44	4.48	4.74	4.75	4.75
3821	Mechanical measuring devices	180.50	184.22	196.99	195.77	—	4.49	4.56	4.84	4.87	—
3822	Automatic temperature controls	161.01	163.18	177.25	177.77	—	4.34	4.34	4.58	4.57	—
383,5	Optical and ophthalmic goods	164.01	165.20	177.51	176.51	(*)	4.09	4.13	4.34	4.38	(*)
385	Ophthalmic goods	150.14	150.88	158.40	158.77	—	3.83	3.81	3.98	4.04	—
384	Medical instruments and supplies	156.26	158.73	170.52	173.13	171.35	4.08	4.07	4.35	4.35	4.36
386	Photographic equipment and supplies	229.14	237.72	253.57	251.32	(*)	5.70	5.77	6.11	6.10	(*)
387	Watches, clocks, and watchcases	139.10	149.54	152.48	153.26	—	3.68	3.72	3.88	3.88	—
39	MISC. MANUFACTURING INDUSTRIES	145.16	148.22	154.37	153.62	154.77	3.79	3.82	4.02	3.99	4.02
391	Jewelry, silverware, and plated ware	153.06	159.90	164.48	162.31	(*)	4.06	4.10	4.25	4.26	(*)
394	Toys and sporting goods	133.76	136.64	140.58	141.31	—	3.52	3.54	3.68	3.68	—
3941-3	Games, toys, dolls and play vehicles	130.34	132.06	135.55	135.97	—	3.43	3.43	3.53	3.55	—
3949	Sporting and athletic goods, nec	138.71	143.95	146.30	148.23	—	3.66	3.71	3.85	3.85	—
395	Pens, pencils, office and art supplies	149.23	155.45	161.98	159.18	—	3.74	3.81	3.97	3.94	—
396	Costume jewelry and notions	126.71	126.63	132.13	130.68	—	3.37	3.35	3.61	3.60	—
393,9	Other manufacturing industries	157.87	161.44	169.12	167.31	(*)	4.09	4.15	4.37	4.29	(*)
393	Musical instruments and parts	150.54	154.44	161.17	153.92	—	3.88	3.90	4.07	4.04	—
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	189.15	192.19	200.38	202.69	203.50	4.58	4.62	4.96	4.98	5.00
201	Meat products	187.93	194.55	204.12	206.95	(*)	4.71	4.78	5.04	5.06	(*)
2011	Meat packing plants	231.54	241.96	251.26	256.76	—	5.62	5.72	6.04	6.07	—
2013	Sausages and other prepared meats	221.65	231.43	247.01	246.02	—	5.50	5.59	6.01	6.03	—
2015	Poultry dressing plants	115.14	116.13	127.92	127.86	—	3.03	3.04	3.28	3.27	—

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**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^P	Sept. 1976 ^P	Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^P	Sept. 1976 ^P
	DURABLE GOODS—Continued										
36	ELECTRICAL EQUIPMENT AND SUPPLIES	39.5	39.9	39.5	39.8	39.5	1.9	2.2	2.1	2.3	—
361	Electric test and distributing equipment	39.2	39.4	39.7	39.2	(*)	1.7	1.8	2.1	1.8	—
3611	Electric measuring instruments	39.2	39.2	39.8	39.7	—	1.3	1.4	1.8	1.6	—
3612	Transformers	39.1	39.2	39.9	39.8	—	—	—	—	—	—
3613	Switchgear and switchboard apparatus	39.4	39.7	39.4	38.5	—	—	—	—	—	—
362	Electrical industrial apparatus	39.6	40.0	39.3	40.0	(*)	1.8	2.1	2.3	2.3	—
3621	Motors and generators	40.1	40.7	39.5	40.4	—	2.4	2.6	2.5	2.8	—
3622	Industrial controls	38.6	38.9	38.3	39.2	—	1.1	1.4	1.9	1.7	—
363	Household appliances	39.8	40.2	39.2	39.7	39.4	2.1	2.7	1.7	2.4	—
3632	Household refrigerators and freezers	38.8	39.1	39.5	39.7	—	—	—	—	—	—
3633	Household laundry equipment	40.3	40.2	39.3	39.9	—	—	—	—	—	—
3634	Electric housewares and fans	39.5	39.5	38.7	39.4	—	2.2	2.5	1.5	2.3	—
364	Electric lighting and wiring equipment	38.8	39.3	38.2	39.3	(*)	1.7	1.8	1.8	2.0	—
3641	Electric lamps	39.7	40.5	40.4	41.0	—	1.4	2.0	1.4	2.4	—
3642	Lighting fixtures	38.5	38.6	38.1	38.4	—	1.8	1.8	1.9	1.7	—
3643.4	Wiring devices	38.7	39.3	39.4	39.2	—	1.7	1.7	1.9	2.0	—
365	Radio and TV receiving equipment	38.5	39.7	37.7	38.3	(*)	1.2	2.4	1.7	1.4	—
366	Communication equipment	39.7	40.2	39.9	40.6	(*)	1.9	2.3	1.6	2.2	—
3661	Telephone and telegraph apparatus	39.5	40.2	40.3	41.5	—	—	—	—	—	—
3662	Radio and TV communication equipment	39.8	40.2	39.6	40.0	—	2.2	2.4	1.9	2.1	—
367	Electronic components and accessories	39.4	39.7	39.6	39.3	39.2	2.0	2.1	2.4	2.2	—
3671-3	Electron tubes	41.5	41.8	39.8	40.0	—	2.6	2.7	1.3	1.4	—
3674.9	Other electronic components	39.0	39.4	39.5	39.2	—	1.9	2.0	2.5	2.3	—
369	Miscellaneous electrical equip. and supplies	40.6	41.1	40.8	42.1	(*)	2.7	3.0	3.0	3.8	—
3694	Engine electrical equipment	40.3	40.8	41.4	42.2	—	—	—	—	—	—
37	TRANSPORTATION EQUIPMENT	40.0	41.3	42.0	40.7	42.0	2.9	3.3	4.5	3.9	—
371	Motor vehicles and equipment	39.9	41.7	43.9	42.0	(*)	3.1	3.6	6.1	5.2	—
3711	Motor vehicles	38.4	41.6	44.9	40.6	—	2.9	3.3	7.1	5.0	—
3712	Passenger car bodies	38.1	40.3	40.7	(*)	—	—	—	—	—	—
3713	Truck and bus bodies	39.9	40.1	40.9	40.2	—	—	—	—	—	—
3714	Motor vehicle parts and accessories	41.3	42.3	43.8	44.0	—	3.5	4.3	5.8	6.0	—
3715	Truck trailers	37.6	38.5	38.8	38.8	—	—	—	—	—	—
372	Aircraft and parts	41.2	41.6	40.6	40.3	(*)	3.1	3.3	2.9	2.6	—
3721	Aircraft	41.4	41.8	40.7	40.6	—	2.8	3.2	2.6	2.4	—
3722	Aircraft engines and engine parts	40.7	41.3	40.5	39.9	—	3.4	3.4	3.1	2.6	—
3723.9	Other aircraft parts and equipment	41.2	41.7	40.3	40.3	—	3.3	3.6	3.2	2.9	—
373	Ship and boat building and repairing	39.6	40.6	39.2	38.3	39.1	2.6	3.2	2.6	2.5	—
3731	Ship building and repairing	39.9	40.7	39.2	38.3	—	—	—	—	—	—
3732	Boat building and repairing	38.5	40.1	39.0	38.4	—	—	—	—	—	—
374	Railroad equipment	39.5	39.4	39.2	(*)	—	2.5	2.1	1.6	(*)	—
375.9	Other transportation equipment	38.5	39.1	39.6	39.1	—	1.8	1.8	2.6	2.0	—
38	INSTRUMENTS AND RELATED PRODUCTS	39.3	40.0	40.3	40.2	40.3	1.9	2.2	2.3	2.3	—
381	Engineering and scientific instruments	40.2	40.6	40.6	40.0	—	2.4	2.9	2.4	2.1	—
382	Mechanical measuring and control devices	39.1	39.4	39.9	39.7	40.8	1.7	2.2	2.4	2.3	—
3821	Mechanical measuring devices	40.2	40.4	40.7	40.2	—	1.9	2.5	2.5	2.4	—
3822	Automatic temperature controls	37.1	37.6	38.7	38.9	—	1.5	1.6	2.3	2.2	—
383.5	Optical and ophthalmic goods	40.1	40.0	40.9	40.3	(*)	2.1	1.7	2.7	2.1	—
385	Ophthalmic goods	39.2	39.6	39.8	39.3	—	1.6	1.5	2.1	1.9	—
384	Medical instruments and supplies	38.3	39.0	39.2	39.8	39.3	1.7	1.9	1.6	2.1	—
386	Photographic equipment and supplies	40.2	41.2	41.5	41.2	(*)	1.9	2.7	2.9	3.1	—
387	Watches, clocks, and watch cases	37.8	40.2	39.3	39.5	—	1.7	2.2	1.8	1.8	—
39	MISC. MANUFACTURING INDUSTRIES	38.3	38.8	38.4	38.5	38.5	1.8	2.2	1.7	2.1	—
391	Jewelry, silverware, and plated ware	37.7	39.0	38.7	38.1	(*)	1.7	2.6	1.7	2.2	—
394	Toys and sporting goods	38.0	38.6	38.2	38.4	—	1.7	2.1	1.6	1.9	—
3941	Games, toys, dolls and play vehicles	38.0	38.5	38.4	38.3	—	—	—	—	—	—
3949	Sporting and athletic goods, nec	37.9	38.8	38.0	38.5	—	—	—	—	—	—
396	Pens, pencils, office and art supplies	39.9	40.8	40.8	40.4	—	2.0	3.3	2.2	2.9	—
396	Costume jewelry and notions	37.6	37.8	36.6	36.3	—	1.5	1.7	1.4	1.6	—
393	Other manufacturing industries	38.6	38.9	38.7	39.0	(*)	1.9	2.2	1.8	2.2	—
393	Musical instruments and parts	38.8	39.6	39.6	38.1	—	1.8	2.1	1.3	1.4	—
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	41.3	41.6	40.4	40.7	40.7	4.3	4.6	4.2	4.1	—
201	Meat products	39.9	40.7	40.5	40.9	(*)	3.9	4.2	4.0	4.1	—
2011	Meat packing plants	41.2	42.3	41.6	42.3	—	4.5	4.9	4.4	4.6	—
2013	Sausages and other prepared meats	40.3	41.4	41.1	40.8	—	—	—	—	—	—
2015	Poultry dressing plants	38.0	38.2	39.0	39.1	—	—	—	—	—	—

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings					
		Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^p	Sept. 1976 ^p	Aug. 1975	Sept. 1975	July 1975	Aug. 1976 ^p	Sept. 1976 ^p	
	NONDURABLE GOODS—Continued											
	FOOD AND KINDRED PRODUCTS—Continued											
202	Dairy products	\$191.03	\$196.61	\$208.40	\$204.10	(*)	\$4.57	\$4.67	\$4.95	\$4.93	(*)	
2024	Ice cream and frozen desserts	187.32	185.47	204.60	196.89	—	4.58	4.66	4.93	4.91	—	
2028	Fluid milk	200.08	206.83	218.54	213.60	—	4.73	4.81	5.13	5.11	—	
203	Canned, cured, and frozen foods	173.43	177.21	159.18	177.95	—	4.10	4.15	4.20	4.46	—	
2031,8	Canned, cured, and frozen sea foods	125.98	127.43	144.72	136.54	—	3.48	3.53	3.88	3.89	—	
2032,3	Canned food, except sea foods	193.05	198.29	166.22	195.82	—	4.29	4.32	4.34	4.73	—	
2037	Frozen fruits and vegetables	147.38	151.62	147.20	152.86	—	3.75	3.80	4.00	3.96	—	
204	Grain mill products	217.73	219.39	237.36	236.21	(*)	4.86	4.93	5.31	5.32	(*)	
2041	Flour and other grain mill products	242.25	242.61	262.26	261.23	—	5.10	5.14	5.58	5.57	—	
2042	Prepared feeds for animals and fowls	188.58	189.59	201.59	199.78	—	4.20	4.27	4.45	4.52	—	
205	Bakery products	187.23	189.51	206.32	204.36	205.02	4.74	4.81	5.21	5.20	5.23	
2051	Bread, cake, and related products	187.77	190.12	205.27	202.80	—	4.79	4.85	5.21	5.20	—	
2052	Cookies and crackers	184.92	186.80	208.12	210.08	—	4.60	4.67	5.19	5.20	—	
206	Sugar	221.00	223.22	234.68	232.88	—	5.20	5.24	5.71	5.68	—	
207	Confectionery and related products	166.85	166.46	178.03	179.90	(*)	4.13	4.09	4.53	4.52	(*)	
2071	Confectionery products	158.78	157.45	170.87	170.96	—	3.94	3.89	4.37	4.35	—	
208	Beverages	222.22	216.86	247.57	244.80	(*)	5.46	5.49	5.98	6.00	(*)	
2082	Malt liquors	312.63	301.60	355.29	347.63	—	7.22	7.25	8.02	8.01	—	
2086	Bottled and canned soft drinks	166.45	161.11	186.14	179.65	—	4.12	4.11	4.54	4.48	—	
209	Miscellaneous foods and kindred products ..	188.55	191.48	202.31	199.00	(*)	4.50	4.57	4.84	4.83	(*)	
21	TOBACCO MANUFACTURES	165.02	166.45	169.00	172.14	174.80	4.32	4.29	5.00	4.64	4.60	
211	Cigarettes	209.59	214.12	199.33	216.11	—	5.53	5.62	5.88	5.97	—	
212	Cigars	109.96	111.59	117.06	120.62	—	2.94	2.96	3.13	3.26	—	
22	TEXTILE MILL PRODUCTS	137.23	143.03	148.03	148.10	148.55	3.38	3.48	3.71	3.74	3.78	
221	Weaving mills, cotton	140.61	149.88	159.08	158.36	(*)	3.38	3.56	3.88	3.91	(*)	
222	Weaving mills, synthetics	140.07	149.87	162.70	156.42	(*)	3.45	3.62	3.93	3.95	(*)	
223	Weaving and finishing mills, wool	142.45	148.16	154.50	156.94	157.41	3.50	3.57	3.75	3.80	3.83	
224	Narrow fabric mills	130.57	133.95	134.94	139.95	(*)	3.24	3.22	3.46	3.49	(*)	
225	Knitting mills	126.81	130.14	131.41	133.28	(*)	3.26	3.32	3.44	3.48	(*)	
2251	Women's hosiery, except socks	114.98	117.96	118.67	124.36	—	3.01	3.08	3.19	3.23	—	
2252	Hosiery, nec	113.87	117.18	121.28	121.50	—	2.95	3.02	3.20	3.24	—	
2253	Knit outerwear mills	125.36	127.43	129.43	134.19	—	3.37	3.38	3.47	3.55	—	
2254	Knit underwear mills	109.29	113.48	118.67	123.97	—	2.93	3.01	3.19	3.22	—	
226	Textile finishing, except wool	156.28	165.35	157.99	159.57	(*)	3.66	3.81	4.01	4.05	(*)	
227	Floor covering mills	144.32	148.21	159.39	162.24	—	3.52	3.58	3.85	3.89	—	
228	Yarn and thread mills	127.89	134.64	140.35	140.10	(*)	3.15	3.26	3.50	3.52	(*)	
229	Miscellaneous textile goods	153.68	157.59	159.19	160.00	(*)	3.73	3.77	3.96	4.00	(*)	
23	APPAREL AND OTHER TEXTILE PRODUCTS	113.44	116.56	120.68	121.41	121.80	3.16	3.22	3.39	3.42	3.48	
231	Men's and boys' suits and coats	129.36	134.21	151.52	148.19	(*)	3.85	3.89	4.14	4.21	(*)	
232	Men's and boys' furnishings	103.86	105.53	111.26	111.33	(*)	2.83	2.86	3.04	3.05	(*)	
2321	Men's and boys' shirts and nightwear	101.48	102.67	108.41	108.70	—	2.75	2.79	2.97	2.97	—	
2327	Men's and boys' separate trousers	105.82	107.75	116.00	112.94	—	2.86	2.92	3.11	3.12	—	
2328	Men's and boys' work clothing	99.64	101.47	107.58	109.80	—	2.76	2.78	2.98	3.00	—	
233	Women's and misses' outerwear	111.85	112.87	117.92	117.15	(*)	3.28	3.31	3.52	3.55	(*)	
2331	Women's and misses' blouses and waists	110.72	110.53	111.41	113.20	—	3.11	3.14	3.22	3.31	—	
2335	Women's and misses' dresses	106.57	108.86	116.64	115.48	—	3.32	3.36	3.60	3.62	—	
2337	Women's and misses' suits and coats	133.38	134.75	136.45	134.88	—	3.80	3.85	4.11	4.15	—	
2339	Women's and misses' outerwear, nec	107.64	108.72	113.75	112.14	—	2.99	3.02	3.25	3.26	—	
234	Women's and children's undergarments	106.72	110.63	110.67	113.72	114.16	2.90	2.95	3.10	3.15	3.18	
2341	Women's and children's underwear	103.86	106.96	109.69	111.13	—	2.83	2.86	3.03	3.07	—	
2342	Corsets and allied garments	117.24	124.31	114.24	121.77	—	3.16	3.28	3.35	3.43	—	
235	Hats, caps, and millinery	102.82	103.08	117.48	113.83	—	2.88	2.92	3.02	3.06	—	
236	Children's outerwear	105.70	107.88	109.96	107.41	(*)	2.92	2.98	3.08	3.06	(*)	
2361	Children's dresses and blouses	103.08	104.89	109.12	107.10	—	2.92	2.99	3.10	3.15	—	
237,8	Fur goods and miscellaneous apparel	116.56	120.09	123.14	123.08	—	3.22	3.29	3.43	3.40	—	
239	Miscellaneous fabricated textile products ..	138.48	146.52	142.86	149.37	(*)	3.56	3.70	3.83	3.90	(*)	
2391,2	Housefurnishings	114.86	118.50	116.07	118.40	—	2.93	3.00	3.18	3.20	—	
26	PAPER AND ALLIED PRODUCTS	216.24	217.18	231.38	234.05	236.59	5.10	5.11	5.47	5.52	5.58	
261,2,6	Paper and pulp mills	252.51	249.09	274.22	277.76	(*)	5.70	5.70	6.19	6.27	(*)	
263	Paperboard mills	256.96	262.26	277.25	281.63	(*)	5.88	5.92	6.33	6.43	(*)	
264	Miscellaneous converted paper products	186.41	189.88	200.08	202.21	(*)	4.58	4.62	4.88	4.92	(*)	
2643	Bags, except textile bags	179.01	180.74	194.88	198.17	—	4.42	4.43	4.73	4.81	—	
265	Paperboard containers and boxes	192.56	195.72	203.53	204.52	(*)	4.64	4.66	4.94	4.94	(*)	
2651,2	Folding and setup paperboard boxes	178.57	179.86	192.92	194.05	—	4.42	4.43	4.74	4.71	—	
2653	Corrugated and solid fiber boxes	206.15	210.51	214.35	217.36	—	4.92	4.93	5.19	5.20	—	
2654	Sanitary food containers	181.87	185.30	196.56	194.69	—	4.32	4.36	4.68	4.68	—	

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**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1975 ^p	Sept. 1975 ^p	July 1976	Aug. 1976 ^p	Sept. 1976 ^p	Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^p	Sept. 1976 ^p
	NONDURABLE GOODS—Continued										
	FOOD AND KINDRED PRODUCTS—Continued										
202	Dairy products	41.8	42.1	42.1	41.4	(*)	4.1	4.2	4.4	3.8	—
2024	Ice cream and frozen desserts	40.9	39.8	41.5	40.1	—	—	—	—	—	—
2026	Fluid milk	42.3	43.0	42.6	41.8	—	—	—	—	—	—
203	Canned, cured, and frozen foods	42.3	42.7	37.9	39.9	—	4.2	5.0	3.6	3.8	—
2031,6	Canned, cured, and frozen sea foods	36.2	36.1	37.3	35.1	—	—	—	—	—	—
2032,3	Canned food, except sea foods	45.0	45.9	38.3	41.4	—	—	—	—	—	—
2037	Frozen fruits and vegetables	39.3	39.9	36.8	38.6	—	—	—	—	—	—
204	Grain mill products	44.8	44.5	44.7	44.4	(*)	7.5	7.2	6.9	6.3	—
2041	Flour and other grain mill products	47.5	47.2	47.0	46.9	—	—	—	—	—	—
2042	Prepared feeds for animals and fowls	44.9	44.4	45.3	44.2	—	—	—	—	—	—
205	Bakery products	39.5	39.4	39.6	39.3	39.2	3.6	3.6	3.8	3.6	—
2051	Bread, cake, and related products	39.2	39.2	39.4	39.0	—	—	—	—	—	—
2052	Cookies and crackers	40.2	40.0	40.1	40.4	—	—	—	—	—	—
206	Sugar	42.5	42.6	41.1	41.0	—	4.7	5.1	4.1	3.6	—
207	Confectionery and related products	40.4	40.7	39.3	39.8	(*)	2.9	3.4	2.5	2.7	—
2071	Confectionery products	40.3	40.5	39.1	39.3	—	—	—	—	—	—
208	Beverages	40.7	39.5	41.4	40.8	(*)	4.1	3.6	4.9	4.2	—
2082	Malt liquors	43.3	41.6	44.3	43.4	—	—	—	—	—	—
2086	Bottled and canned soft drinks	40.4	39.2	41.0	40.1	—	—	—	—	—	—
209	Miscellaneous foods and kindred products	41.9	41.9	41.8	41.2	(*)	4.6	4.9	4.6	4.1	—
21	TOBACCO MANUFACTURES	38.2	38.8	33.8	37.1	38.0	2.1	2.1	.9	1.1	—
211	Cigarettes	37.9	38.1	33.9	36.2	—	2.0	2.2	.8	.8	—
212	Cigars	37.4	37.7	37.4	37.0	—	.6	.9	.7	.7	—
22	TEXTILE MILL PRODUCTS	40.6	41.1	39.9	39.6	39.3	3.7	4.1	3.2	3.1	—
221	Weaving mills, cotton	41.6	42.1	41.0	40.5	(*)	4.4	4.8	3.6	3.6	—
222	Weaving mills, synthetics	40.6	41.4	41.4	39.6	(*)	3.5	3.9	3.8	2.9	—
223	Weaving and finishing mills, wool	40.7	41.5	41.2	41.3	41.1	3.6	4.0	4.0	3.8	—
224	Narrow fabric mills	40.3	41.6	39.0	40.1	(*)	3.4	3.3	2.4	3.3	—
225	Knitting mills	38.9	39.2	38.2	38.2	(*)	2.9	3.2	2.5	2.6	—
2251	Women's hosiery, except socks	38.2	38.2	37.2	38.5	—	—	—	—	—	—
2252	Hosiery, nec.	38.6	38.8	37.9	37.5	—	—	—	—	—	—
2253	Knit outerwear mills	37.2	37.7	37.3	37.8	—	—	—	—	—	—
2254	Knit underwear mills	37.3	37.7	37.2	38.5	—	—	—	—	—	—
226	Textile finishing, except wool	42.7	43.4	39.4	39.4	(*)	5.2	5.9	3.0	3.0	—
227	Floor covering mills	41.0	41.4	41.4	41.7	—	3.7	4.0	3.6	4.2	—
228	Yarn and thread mills	40.6	41.3	40.1	39.8	(*)	3.6	4.1	3.5	3.0	—
229	Miscellaneous textile goods	41.2	41.8	40.2	40.0	(*)	3.7	3.9	2.9	3.3	—
23	APPAREL AND OTHER TEXTILE PRODUCTS	35.9	36.2	35.6	35.5	35.0	1.3	1.5	1.0	1.2	—
231	Men's and boys' suits and coats	33.6	34.5	36.6	35.2	(*)	.2	1.0	.6	1.0	—
232	Men's and boys' furnishings	36.7	36.9	36.6	36.5	(*)	1.1	1.3	1.0	1.1	—
2321	Men's and boys' shirts and nightwear	36.9	36.8	36.5	36.6	—	1.2	1.3	1.1	1.0	—
2327	Men's and boys' separate trousers	37.0	36.9	37.3	36.2	—	1.1	1.4	.9	1.1	—
2328	Men's and boys' work clothing	36.1	36.5	36.1	36.6	—	1.0	1.1	.9	1.0	—
233	Women's and misses' outerwear	34.1	34.1	33.5	33.0	(*)	1.1	1.2	.8	.9	—
2331	Women's and misses' blouses and waists	35.6	35.2	34.6	34.2	—	—	—	—	—	—
2335	Women's and misses' dresses	32.1	32.4	32.4	31.9	—	1.0	.9	.7	.7	—
2337	Women's and misses' suits and coats	35.1	35.0	33.2	32.5	—	1.5	1.5	1.0	1.0	—
2339	Women's and misses' outerwear, nec.	36.0	36.0	35.0	34.4	—	1.3	1.4	.9	1.0	—
234	Women's and children's undergarments	36.8	37.5	35.7	36.1	35.9	1.5	1.8	1.0	1.3	—
2341	Women's and children's underwear	36.7	37.4	36.2	36.2	—	—	—	—	—	—
2342	Corsets and allied garments	37.1	37.9	34.1	35.5	—	—	—	—	—	—
235	Hats, caps, and millinery	35.7	35.3	38.9	37.2	—	.9	.9	1.2	1.1	—
236	Children's outerwear	36.2	36.2	35.7	35.1	(*)	1.8	1.6	1.3	1.1	—
2361	Children's dresses and blouses	35.3	34.8	35.2	34.0	—	—	—	—	—	—
237,8	Fur goods and miscellaneous apparel	36.2	36.5	35.9	36.2	—	1.4	1.3	.8	1.2	—
239	Miscellaneous fabricated textile products	38.9	39.6	37.3	38.3	(*)	2.3	2.8	1.6	2.1	—
2391,2	Housefurnishings	39.2	39.5	36.5	37.0	—	—	—	—	—	—
26	PAPER AND ALLIED PRODUCTS	42.4	42.5	42.3	42.4	42.4	4.6	4.7	4.8	4.8	—
261,2,6	Paper and pulp mills	44.3	43.7	44.3	44.3	(*)	6.1	5.8	6.3	6.2	—
263	Paperboard mills	43.7	44.3	43.8	43.8	(*)	6.4	6.6	6.9	7.0	—
264	Miscellaneous converted paper products	40.7	41.1	41.0	41.1	(*)	3.1	3.3	3.6	3.6	—
2643	Bags, except textile bags	40.5	40.8	41.2	41.2	—	—	—	—	—	—
265	Paperboard containers and boxes	41.5	42.0	41.2	41.4	(*)	3.9	4.3	3.7	3.8	—
2651,2	Folding and setup paperboard boxes	40.4	40.6	40.7	41.2	—	—	—	—	—	—
2653	Corrugated and solid fiber boxes	41.9	42.7	41.3	41.8	—	4.6	5.0	4.1	4.3	—
2654	Sanitary food containers	42.1	42.5	42.0	41.6	—	—	—	—	—	—

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**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^P	Sept. 1976 ^P	Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^P	Sept. 1976 ^P
NONDURABLE GOODS—Continued											
27	PRINTING AND PUBLISHING	\$202.74	\$204.78	\$213.19	\$215.84	\$218.68	\$5.45	\$5.49	\$5.67	\$5.71	\$5.77
271	Newspapers	204.24	204.17	217.06	217.06	(*)	5.92	5.97	6.31	6.31	(*)
272	Periodicals	211.23	210.60	217.50	224.75	—	5.43	5.47	5.80	5.93	—
273	Books	175.50	178.98	193.83	202.00	—	4.68	4.76	4.97	5.05	—
275	Commercial printing	212.74	214.45	218.27	223.65	(*)	5.54	5.57	5.64	5.72	(*)
2751	Commercial printing, except lithographic	206.12	208.95	211.46	215.44	—	5.41	5.47	5.45	5.51	—
2752	Commercial printing, lithographic	223.88	223.88	229.85	236.34	—	5.77	5.77	5.97	6.06	—
278	Blankbooks and bookbinding	154.73	161.44	170.48	170.82	(*)	4.04	4.15	4.36	4.38	(*)
274,6,7,9	Other publishing and printing ind.	204.71	206.88	219.40	216.96	(*)	5.43	5.43	5.64	5.65	(*)
28	CHEMICALS AND ALLIED PRODUCTS ...	222.50	226.32	244.50	243.72	254.89	5.44	5.48	5.92	5.93	6.04
281	Industrial chemicals	248.24	253.12	277.62	276.22	(*)	6.04	6.07	6.61	6.64	(*)
2812	Alkalies and chlorine	253.75	259.89	286.44	287.67	—	5.82	5.92	6.60	6.69	—
2818	Industrial organic chemicals, nec	268.04	272.77	306.29	299.29	—	6.49	6.51	7.19	7.16	—
2819	Industrial inorganic chemicals, nec.	235.76	242.08	261.02	263.63	—	5.85	5.89	6.32	6.43	—
282	Plastics materials and synthetics	219.30	221.49	240.12	239.20	(*)	5.31	5.35	5.80	5.82	(*)
2821	Plastics materials and resins	233.33	238.22	261.19	258.69	—	5.49	5.54	6.06	6.13	—
2823,4	Synthetic fibers	206.35	205.23	217.74	218.02	—	5.07	5.08	5.43	5.41	—
283	Drugs	209.04	212.45	222.77	224.95	(*)	5.20	5.22	5.46	5.50	(*)
2834	Pharmaceutical preparations	204.11	207.87	217.34	218.97	—	5.09	5.12	5.34	5.38	—
284	Soap, cleaners, and toilet goods	209.56	217.12	230.68	227.13	(*)	5.20	5.27	5.71	5.65	(*)
2841	Soap and other detergents	277.02	284.43	307.82	304.08	—	6.58	6.63	7.26	7.24	—
2844	Toilet preparations	165.00	172.83	181.34	177.56	—	4.22	4.31	4.71	4.60	—
285	Paints and allied products	201.19	202.40	221.53	218.15	(*)	4.98	5.01	5.39	5.36	(*)
287	Agricultural chemicals	209.17	209.53	221.65	221.49	(*)	4.91	4.93	5.29	5.35	(*)
2871,2	Fertilizers, complete and mixing only ..	194.16	195.43	205.58	206.91	—	4.59	4.62	4.93	5.01	—
286,9	Other chemical products	207.25	211.34	223.97	227.69	(*)	5.13	5.18	5.53	5.54	(*)
2892	Explosives	200.58	205.93	216.95	222.32	—	5.13	5.11	5.37	5.37	—
29	PETROLEUM AND COAL PRODUCTS	268.55	278.94	303.74	300.30	310.60	6.55	6.61	7.13	7.15	7.24
291	Petroleum refining	283.20	294.88	325.50	322.40	(*)	7.08	7.14	7.75	7.75	(*)
295,9	Other petroleum and coal products	227.04	233.93	242.66	239.02	(*)	5.16	5.21	5.49	5.52	(*)
30	RUBBER AND PLASTICS PRODUCTS, NEC ..	176.04	178.61	175.56	176.40	196.80 ^C	4.39	4.41	4.40	4.41	4.80
301	Tires and inner tubes	247.88	251.08	244.22	241.40	(*)	5.86	5.88	5.76	5.68	(*)
302,3,6	Other rubber products	168.52	171.78	182.49	185.66	(*)	4.31	4.36	4.62	4.63	(*)
302	Rubber footwear	123.54	126.54	123.76	124.51	—	3.33	3.42	3.40	3.43	—
307	Miscellaneous plastics products	156.01	158.38	165.97	166.74	168.35	3.91	3.93	4.17	4.20	4.23
31	LEATHER AND LEATHER PRODUCTS ...	122.62	124.53	127.53	128.02	126.31	3.21	3.26	3.41	3.46	3.47
311	Leather tanning and finishing	172.89	179.20	175.82	178.82	(*)	4.29	4.36	4.58	4.55	(*)
314	Footwear, except rubber	116.59	117.56	122.15	120.41	118.47	3.06	3.11	3.24	3.29	3.30
312,3,5,7,9	Other leather products	120.52	122.62	125.20	128.74	128.41	3.18	3.21	3.43	3.47	3.48
316	Luggage	119.41	120.34	125.32	132.83	—	3.21	3.27	3.53	3.59	—
317	Handbags and personal leather goods ..	121.91	123.69	120.29	123.17	—	3.11	3.10	3.26	3.32	—
—	TRANSPORTATION AND PUBLIC UTILITIES	241.40	243.79	259.69	262.91	263.60	6.05	6.11	6.46	6.54	6.59
4011	RAILROAD TRANSPORTATION: Class 1 railroads ²	256.65	267.96	306.42	(*)	—	6.14	6.16	6.98	(*)	—
411	LOCAL AND INTERURBAN PASSENGER TRANSIT: Local and suburban transportation	202.37	198.80	224.27	225.62	—	4.96	4.97	5.47	5.53	—
413	Intercity highway transportation	250.40	235.87	283.56	281.52	—	6.26	6.24	6.95	6.90	—
42	TRUCKING AND WAREHOUSING	250.92	253.15	262.75	267.80	—	6.15	6.22	6.44	6.50	—
421,3	Trucking and trucking terminals	257.26	259.90	269.37	274.23	—	6.29	6.37	6.57	6.64	—
422	Public warehousing	173.89	171.00	186.59	186.76	—	4.38	4.34	4.76	4.74	—
46	PIPE LINE TRANSPORTATION	286.62	286.21	311.41	307.75	—	6.89	6.93	7.45	7.38	—
48	COMMUNICATION	231.46	236.16	243.10	252.06	—	5.95	6.04	6.17	6.43	—
481	Telephone communication	234.74	239.85	246.02	256.50	—	6.05	6.15	6.26	6.56	—
4817	Switchboard operating employees ³	174.06	174.57	181.63	190.96	—	5.06	5.18	5.28	5.60	—
4818	Line construction employees ⁴	307.71	314.48	315.40	327.25	—	7.09	7.18	7.32	7.70	—
482	Telegraph communication ⁵ **	259.91	253.17	265.02	(*)	—	6.13	6.13	6.28	(*)	—
483	Radio and television broadcasting	215.44	219.91	232.07	237.40	—	5.51	5.61	5.89	6.01	—

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**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^p	Sept. 1976 ^p	Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^p	Sept. 1976 ^p
NONDURABLE GOODS—Continued											
27	PRINTING AND PUBLISHING	37.2	37.3	37.6	37.8	37.9	2.4	2.6	2.5	2.6	—
271	Newspapers	34.5	34.2	34.4	34.4	(*)	1.8	1.7	1.5	1.7	—
272	Periodicals	38.9	38.5	37.5	37.9	—	2.9	2.8	1.8	2.6	—
273	Books	37.5	37.6	39.0	40.0	—	2.6	2.8	2.4	3.2	—
275	Commercial printing	38.4	38.5	38.7	39.1	(*)	3.0	3.3	3.0	3.1	—
2751	Commercial printing, except lithographic	38.1	38.2	38.8	39.1	—	2.9	3.3	3.0	3.0	—
2752	Commercial printing, lithographic	38.8	38.8	38.5	39.0	—	3.3	3.4	2.9	3.4	—
278	Blankbooks and bookbinding	38.3	38.9	39.1	39.0	(*)	1.5	2.3	2.3	2.1	—
274,6,7,9	Other publishing and printing ind.	37.7	38.1	38.9	38.4	(*)	2.1	2.3	2.9	2.8	—
28	CHEMICALS AND ALLIED PRODUCTS	40.9	41.3	41.3	41.1	42.2	2.9	3.1	3.3	3.0	—
281	Industrial chemicals	41.1	41.7	42.0	41.6	(*)	3.1	3.3	3.9	3.6	—
2812	Alkalies and chlorine	43.6	43.9	43.4	43.0	—	—	—	—	—	—
2818	Industrial organic chemicals, nec	41.3	41.9	42.6	41.8	—	2.9	3.2	3.8	3.7	—
2819	Industrial inorganic chemicals, nec.	40.3	41.1	41.3	41.0	—	2.9	3.0	3.6	3.5	—
282	Plastics materials and synthetics	41.3	41.4	41.4	41.1	(*)	3.0	2.9	3.0	2.9	—
2821	Plastics materials and resins	42.5	43.0	43.1	42.2	—	4.4	4.7	4.5	4.5	—
2823,4	Synthetic fibers	40.7	40.4	40.1	40.3	—	2.2	1.7	1.8	1.6	—
283	Drugs	40.2	40.7	40.8	40.9	(*)	2.1	2.5	2.9	2.6	—
2834	Pharmaceutical preparations	40.1	40.6	40.7	40.7	—	—	—	—	—	—
284	Soap, cleaners, and toilet goods	40.3	41.2	40.4	40.2	(*)	2.6	3.6	2.6	2.4	—
2841	Soap and other detergents	42.1	42.9	42.4	42.9	—	—	—	—	—	—
2844	Toilet preparations	39.1	40.1	38.5	38.6	—	—	—	—	—	—
285	Paints and allied products	40.4	40.4	41.1	40.7	(*)	2.7	2.8	3.4	2.7	—
287	Agricultural chemicals	42.6	42.5	41.9	41.4	(*)	4.7	4.5	3.7	3.3	—
2871,2	Fertilizers, complete and mixing only	42.3	42.3	41.7	41.3	—	—	—	—	—	—
286,9	Other chemical products	40.4	40.8	40.5	41.1	(*)	2.8	2.9	3.0	2.9	—
2892	Explosives	39.1	40.3	40.4	41.4	—	—	—	—	—	—
29	PETROLEUM AND COAL PRODUCTS	41.0	42.2	42.6	42.0	42.9	2.9	4.1	3.8	3.5	—
291	Petroleum refining	40.0	41.3	42.0	41.6	(*)	1.8	3.1	3.1	2.7	—
295,9	Other petroleum and coal products	44.0	44.9	44.2	43.3	(*)	6.1	6.8	5.8	5.6	—
30	RUBBER AND PLASTICS PRODUCTS, NEC	40.1	40.5	39.9	40.0	41.0 ^c	3.1	3.4	3.0	3.2	—
301	Tires and inner tubes	42.3	42.7	42.4	42.5	(*)	5.0	5.2	4.3	4.8	—
302,3,6	Other rubber products	39.1	39.4	39.5	40.1	(*)	2.3	2.5	2.8	3.4	—
302	Rubber footwear	37.1	37.0	36.4	36.3	—	1.4	1.5	1.4	1.1	—
307	Miscellaneous plastics products	39.9	40.3	39.8	39.7	39.8	2.8	3.3	2.9	3.0	—
31	LEATHER AND LEATHER PRODUCTS	38.2	38.2	37.4	37.0	36.4	2.1	2.5	1.7	1.6	—
311	Leather tanning and finishing	40.3	41.1	38.4	39.3	(*)	3.9	4.6	2.5	2.7	—
314	Footwear, except rubber	38.1	37.8	37.7	36.6	35.9	1.9	2.3	1.6	1.4	—
312,3,5-7,9	Other leather products	37.9	38.2	36.5	37.1	36.9	2.1	2.4	1.6	1.8	—
316	Luggage	37.2	36.8	35.5	37.0	—	1.9	1.9	1.2	1.5	—
317	Handbags and personal leather goods	39.2	39.9	36.9	37.1	—	2.8	3.3	1.9	2.2	—
TRANSPORTATION AND PUBLIC UTILITIES											
RAILROAD TRANSPORTATION:											
4011	Class I railroads ² **	41.8	43.5	43.9	(*)	—	—	—	—	—	—
LOCAL AND INTERURBAN PASSENGER TRANSIT:											
411	Local and suburban transportation	40.8	40.0	41.0	40.8	—	—	—	—	—	—
413	Intercity highway transportation	40.0	37.8	40.8	40.8	—	—	—	—	—	—
TRUCKING AND WAREHOUSING											
42	Trucking and trucking terminals	40.8	40.7	40.8	41.2	—	—	—	—	—	—
421,3	Trucking and trucking terminals	40.9	40.8	41.0	41.3	—	—	—	—	—	—
422	Public warehousing	39.7	39.4	39.2	39.4	—	—	—	—	—	—
46	PIPE LINE TRANSPORTATION	41.6	41.3	41.8	41.7	—	—	—	—	—	—
COMMUNICATION											
48	Telephone communication	38.9	39.1	39.4	39.2	—	—	—	—	—	—
481	Telephone communication	38.8	39.0	39.3	39.1	—	—	—	—	—	—
4817	Switchboard operating employees ³	34.4	33.7	34.4	34.1	—	—	—	—	—	—
4818	Line construction employees ⁴	43.4	43.8	43.1	42.5	—	—	—	—	—	—
482	Telegraph communication ⁵ **	42.4	41.3	42.2	(*)	—	—	—	—	—	—
483	Radio and television broadcasting	39.1	39.2	39.4	39.5	—	—	—	—	—	—

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings					
		Aug. 1975	Sept. 1975	July 1976	Aug. ^p 1976 ^p	Sept. 1976 ^p	Aug. 1975	Sept. 1975	July 1976	Aug. ^p 1976 ^p	Sept. 1976 ^p	
-	TRANSPORTATION AND PUBLIC UTILITIES—Continued											
49	ELECTRIC, GAS, AND SANITARY SERVICES	\$249.23	\$252.14	\$271.75	\$274.90	-	\$6.02	\$6.12	\$6.58	\$6.64	-	
491	Electric companies and systems	253.37	255.65	275.64	278.97	-	6.12	6.19	6.61	6.69	-	
492	Gas companies and systems	224.95	229.96	244.82	247.44	-	5.50	5.65	6.06	6.14	-	
493	Combination companies and systems	277.89	280.96	306.45	309.41	-	6.68	6.77	7.42	7.42	-	
494-7	Water, steam, and sanitary systems	207.97	205.09	220.70	222.38	-	4.94	4.99	5.28	5.32	-	
-	WHOLESALE AND RETAIL TRADE	130.10	128.06	136.97	\$136.57	\$135.07	3.76	3.80	3.97	3.97	\$4.02	
50	WHOLESALE TRADE	190.79	190.68	203.18	202.02	202.67	4.93	4.94	5.17	5.18	5.21	
501	Motor vehicles and automotive equipment	174.15	173.60	182.49	184.61	-	4.42	4.44	4.62	4.65	-	
502	Drugs, chemicals, and allied products	193.91	194.81	205.16	210.18	-	5.13	5.14	5.56	5.59	-	
503	Dry goods and apparel	158.12	159.92	175.90	172.02	-	4.38	4.43	4.78	4.70	-	
504	Groceries and related products	184.60	186.72	200.59	195.05	-	4.77	4.80	5.04	5.04	-	
506	Electrical goods	204.85	212.79	221.65	224.47	-	5.16	5.36	5.50	5.57	-	
507	Hardware, plumbing and heating equipment	179.80	179.92	191.78	192.84	-	4.67	4.71	4.93	4.97	-	
508	Machinery, equipment, and supplies	210.94	210.81	221.35	222.15	-	5.30	5.31	5.52	5.54	-	
509	Miscellaneous wholesalers	188.12	186.12	200.47	199.30	-	4.99	4.95	5.18	5.19	-	
52-59	RETAIL TRADE	111.89	109.50	117.17	116.82	115.24	3.35	3.39	3.54	3.54	3.59	
53	Retail general merchandise	103.68	102.38	110.03	109.65	-	3.25	3.25	3.46	3.47	-	
531	Department stores	106.45	104.75	112.77	111.70	-	3.39	3.39	3.58	3.58	-	
532	Mail order houses	142.00	139.19	144.66	148.35	-	4.14	4.07	4.28	4.30	-	
533	Variety stores	82.95	81.05	89.05	87.86	-	2.65	2.64	2.91	2.89	-	
54	Food stores	132.78	130.00	146.45	145.15	-	3.94	4.00	4.32	4.32	-	
541-3	Grocery, meat, and vegetable stores	136.68	134.15	151.16	150.28	-	4.02	4.09	4.42	4.42	-	
56	Apparel and accessory stores	93.60	93.94	99.83	99.51	-	3.00	3.08	3.21	3.21	-	
561	Men's and boys' clothing and furnishings	115.85	113.77	128.70	128.12	-	3.50	3.49	3.96	3.93	-	
562	Women's ready-to-wear stores	83.05	82.88	88.17	87.31	-	2.75	2.80	2.91	2.92	-	
565	Family clothing stores	93.89	90.00	98.26	97.32	-	2.99	3.00	3.09	3.07	-	
566	Shoe stores	94.56	100.23	98.21	100.41	-	3.07	3.33	3.22	3.26	-	
57	Furniture and home furnishings stores	147.63	147.06	152.62	153.41	-	3.99	4.04	4.17	4.18	-	
571	Furniture and home furnishings	149.92	149.00	155.98	157.44	-	4.03	4.06	4.25	4.29	-	
58	Eating and drinking places ⁶	75.25	71.35	75.08	75.89	-	2.50	2.53	2.58	2.59	-	
52,55,59	Other retail trade	141.75	139.83	146.59	146.20	-	3.79	3.81	3.93	3.93	-	
52	Building materials and farm equipment	151.24	152.46	162.40	162.81	-	3.80	3.85	4.00	4.04	-	
561,2	Motor vehicle dealers	199.40	194.64	196.91	195.72	-	5.01	4.94	4.96	4.93	-	
563,9	Other automotive and accessory dealers	153.47	151.62	163.22	162.81	-	3.78	3.80	4.05	4.04	-	
591	Drug stores and proprietary stores	103.04	101.73	109.80	109.44	-	3.23	3.25	3.41	3.42	-	
594	Book and stationery stores	119.01	112.08	122.79	124.95	-	3.49	3.47	3.58	3.57	-	
598	Fuel and ice dealers	171.17	172.30	175.78	174.10	-	4.29	4.34	4.45	4.43	-	
	FINANCE, INSURANCE, AND REAL ESTATE⁷	151.06	150.59	160.01	161.55	160.38	4.15	4.16	4.36	4.39	4.37	
60	Banking	128.51	127.80	135.79	136.52	-	3.55	3.55	3.71	3.72	-	
61	Credit agencies other than banks	139.13	138.01	144.74	145.88	-	3.72	3.73	3.87	3.89	-	
612	Savings and loan associations	135.42	134.69	140.93	141.33	-	3.65	3.68	3.84	3.83	-	
62	Security, commodity brokers and services	268.09	261.70	288.00	(*)	-	7.13	6.96	7.50	(*)	-	
63	Insurance carriers	158.98	160.08	168.97	171.75	-	4.32	4.35	4.53	4.58	-	
631	Life insurance	158.54	159.65	166.21	168.14	-	4.32	4.35	4.48	4.52	-	
632	Accident and health insurance	147.50	149.92	161.36	164.49	-	4.03	4.03	4.28	4.34	-	
633	Fire, marine, and casualty insurance	162.36	163.02	171.95	175.68	-	4.40	4.43	4.61	4.66	-	

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**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^b	Sept. 1976 ^b	Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^b	Sept. 1976 ^b
—	TRANSPORTATION AND PUBLIC UTILITIES—Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	41.4	41.2	41.3	41.4	—	—	—	—	—	
491	Electric companies and systems	41.4	41.3	41.7	41.7	—	—	—	—	—	
492	Gas companies and systems	40.9	40.7	40.4	40.3	—	—	—	—	—	
493	Combination companies and systems	41.6	41.5	41.3	41.7	—	—	—	—	—	
494-7	Water, steam, and sanitary systems	42.1	41.1	41.8	41.8	—	—	—	—	—	
—	WHOLESALE AND RETAIL TRADE	34.6	33.7	34.5	34.4	33.6	—	—	—	—	
50	WHOLESALE TRADE	38.7	38.6	39.3	39.0	38.9	—	—	—	—	
501	Motor vehicles and automotive equipment	39.4	39.1	39.5	39.7	—	—	—	—	—	
502	Drugs, chemicals, and allied products	37.8	37.9	36.9	37.6	—	—	—	—	—	
503	Dry goods and apparel	36.1	36.1	36.8	36.6	—	—	—	—	—	
504	Groceries and related products	38.7	38.9	39.8	38.7	—	—	—	—	—	
506	Electrical goods	39.7	39.7	40.3	40.3	—	—	—	—	—	
507	Hardware; plumbing and heating equipment	38.5	38.2	38.9	38.8	—	—	—	—	—	
508	Machinery, equipment, and supplies	39.8	39.7	40.1	40.1	—	—	—	—	—	
509	Miscellaneous wholesalers	37.7	37.6	38.7	38.4	—	—	—	—	—	
52-59	RETAIL TRADE	33.4	32.3	33.1	33.0	32.1	—	—	—	—	
53	Retail general merchandise	31.9	31.5	31.8	31.6	—	—	—	—	—	
531	Department stores	31.4	30.9	31.5	31.2	—	—	—	—	—	
532	Mail order houses	34.3	34.2	33.8	34.5	—	—	—	—	—	
533	Variety stores	31.3	30.7	30.6	30.4	—	—	—	—	—	
54	Food stores	33.7	32.5	33.9	33.6	—	—	—	—	—	
541-3	Grocery, meat, and vegetable stores	34.0	32.8	34.2	34.0	—	—	—	—	—	
56	Apparel and accessory stores	31.2	30.5	31.1	31.0	—	—	—	—	—	
581	Men's and boys' clothing and furnishings	33.1	32.6	32.5	32.6	—	—	—	—	—	
582	Women's ready-to-wear stores	30.2	29.6	30.3	29.9	—	—	—	—	—	
585	Family clothing stores	31.4	30.0	31.8	31.7	—	—	—	—	—	
586	Shoe stores	30.8	30.1	30.5	30.8	—	—	—	—	—	
57	Furniture and home furnishings stores	37.0	36.4	36.6	36.7	—	—	—	—	—	
571	Furniture and home furnishings	37.2	36.7	36.7	36.7	—	—	—	—	—	
58	Eating and drinking places ⁶	30.1	28.2	29.1	29.3	—	—	—	—	—	
52,55,59	Other retail trade	37.4	36.7	37.3	37.2	—	—	—	—	—	
52	Building materials and farm equipment	39.8	39.6	40.6	40.3	—	—	—	—	—	
551,2	Motor vehicle dealers	39.8	39.4	39.7	39.7	—	—	—	—	—	
553,9	Other automotive and accessory dealers	40.6	39.9	40.3	40.3	—	—	—	—	—	
591	Drug stores and proprietary stores	31.9	31.3	32.2	32.0	—	—	—	—	—	
594	Book and stationery stores	34.1	32.3	34.3	35.0	—	—	—	—	—	
598	Fuel and ice dealers	39.9	39.7	39.5	39.3	—	—	—	—	—	
60	FINANCE, INSURANCE, AND REAL ESTATE⁷	36.4	36.2	36.7	36.8	36.7	—	—	—	—	
60	Banking	36.2	36.0	36.6	36.7	—	—	—	—	—	
61	Credit agencies other than banks	37.4	37.0	37.4	37.5	—	—	—	—	—	
612	Savings and loan associations	37.1	36.6	36.7	36.9	—	—	—	—	—	
62	Security, commodity brokers and services	37.6	37.6	38.4	(*)	—	—	—	—	—	
63	Insurance carriers	36.8	36.8	37.3	37.5	—	—	—	—	—	
631	Life insurance	36.7	36.7	37.1	37.2	—	—	—	—	—	
632	Accident and health insurance	36.6	37.2	37.7	37.9	—	—	—	—	—	
633	Fire, marine, and casualty insurance	36.9	36.8	37.3	37.7	—	—	—	—	—	

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^p	Sept. 1976 ^p	Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^p	Sept. 1976 ^p
	SERVICES	\$138.23	\$139.18	\$147.22	\$147.65	\$147.40	\$4.03	\$4.13	\$4.33	\$4.33	\$4.40
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶	90.48	88.86	98.43	97.57	—	2.75	2.83	3.01	2.93	—
	Personal services:										
721	Laundries and dry cleaning plants	107.26	106.75	116.09	115.76	—	3.03	3.05	3.27	3.27	—
722	Photographic studios	102.08	103.03	115.93	118.64	—	3.18	3.17	3.44	3.51	—
	Motion pictures:										
781	Motion picture filming and distributing ...	265.47	263.70	275.81	279.81	—	6.67	6.71	6.63	6.71	—
806	Hospitals	132.52	134.50	145.46	145.74	—	3.83	3.91	4.18	4.20	—

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

² Beginning January 1965, data relate to line haul railroads with operating revenues of \$5,000,000 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 1975, such employees made up 30 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 1975, such employees made up 47 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁵ Data relate to nonsupervisory employees except messengers.

⁶ Money payments only; tips, not included.

⁷ Data for nonoffice sales agents excluded from all series in this division.

⁸ Not available.

** Data for *Telegraph Communication* (SIC 482) are: May 1976—\$254.81, \$6.23, and 40.9, June 1976—\$254.62, \$6.18, and 41.2, *Class I Railroads* (SIC 4011) June 1976—\$305.75, \$6.84, and 44.7.

p=preliminary.

c=See note on correction, table B-2.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^p	Sept. 1976 ^p	Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^p	Sept. 1976 ^p
	SERVICES	34.3	33.7	34.0	34.1	33.5	-	-	-	-	-
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶	32.9	31.4	32.7	33.3	-	-	-	-	-	
	Personal services:										
721	Laundries and dry cleaning plants	35.4	35.0	35.5	35.4	-	-	-	-	-	
722	Photographic studios	32.1	32.5	33.7	33.8	-	-	-	-	-	
	Motion pictures:										
781	Motion picture filming and distributing	39.8	39.3	41.6	41.7	-	-	-	-	-	
806	Hospitals	34.6	34.4	34.8	34.7	-	-	-	-	-	

† As noted on page 7 of the January 1972 issue of this magazine, the series does not include earned pay withheld as a consequence of delays caused by the wage freeze in effect between August 15 and November 14, 1971, and by administrative procedures of the Pay Board. These delays resulted from compliance with the Government's Economic Stabilization Program. Because these withheld payments were substantial and fell due under a significant number of new labor-management contracts in that industry, they affected a large proportion

of SIC 372.

The series shown below include these payments as well as an additional 17 cents delayed payment for employees in a number of companies which had been pending as a consequence of litigation.

These payments were due under labor-management contracts the last of which expired in November 1973.

Average hourly earnings September 1971—November 1973 (revised to March 1974 benchmarks)

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
SIC 372													
1971	\$4.36	-	-	-	-	-	-	-	-	\$4.42	\$4.46	\$4.51	\$4.62
1972	4.74	\$4.60	\$4.60	\$4.64	\$4.70	\$4.71	\$4.72	\$4.71	\$4.79	4.80	4.83	4.87	4.93
1973	5.02	4.90	4.91	4.92	4.92	4.94	4.96	4.98	5.05	5.06	5.12	5.15	-
SIC 3721													
1971	4.42	-	-	-	-	-	-	-	-	4.51	4.56	4.63	4.73
1972	4.85	4.72	4.68	4.74	4.83	4.82	4.83	4.79	4.89	4.90	4.94	4.99	5.04
1973	5.13	5.00	5.04	5.05	5.03	5.08	-	-	-	-	-	-	-
SIC 3722													
1971	4.38	-	-	-	-	-	-	-	-	4.38	4.43	4.48	4.64
1972	4.76	4.61	4.64	4.65	4.66	4.70	4.71	4.77	4.82	4.83	4.85	4.87	5.01
1973	5.06	4.95	4.95	4.96	-	-	-	-	-	-	-	-	-
SIC 3723, 9													
1971	4.17	-	-	-	-	-	-	-	-	4.24	4.24	4.24	4.33
1972	4.44	4.28	4.33	4.38	4.40	4.45	4.46	4.45	4.47	4.50	4.50	4.54	4.56
1973	4.68	4.56	4.53	4.58	4.60	4.59	4.64	4.68	4.71	4.74	4.78	4.84	-

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	1974												1975
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Executive Branch													
Total employment	2,616.5	2,638.7	2,647.1	2,664.1	2,677.3	2,710.4	2,737.8	2,713.7	2,680.8	2,673.1	2,676.5	2,711.0	2,663.9
Average weekly hours	(*)	39.3	39.6	39.5	39.2	39.3	(*)	(*)	39.5	39.6	(*)	40.8	(*)
Average overtime hours	(*)	1.0	1.2	1.0	1.0	1.1	(*)	(*)	1.1	1.2	(*)	2.4	(*)
Indexes (1967=100):													
Average weekly earnings	(*)	167.7	168.4	170.2	169.1	171.7	(*)	(*)	172.3	173.6	(*)	190.3	(*)
Average hourly earnings	(*)	168.1	167.6	169.7	170.0	172.2	(*)	(*)	171.9	172.7	(*)	183.8	(*)
Department of Defense													
Total employment	946.2	950.2	953.3	958.2	966.4	988.4	990.3	977.8	962.9	959.7	960.0	957.8	953.1
Average weekly hours	(*)	39.8	40.0	40.0	39.9	39.9	(*)	(*)	39.9	40.1	(*)	40.1	(*)
Average overtime hours	(*)	.7	.9	.7	.8	.9	(*)	(*)	.8	.8	(*)	.8	(*)
Indexes (1967=100):													
Average weekly earnings	(*)	164.7	164.2	170.4	166.5	172.9	(*)	(*)	164.8	167.0	(*)	175.7	(*)
Average hourly earnings	(*)	166.8	165.4	171.7	168.1	174.7	(*)	(*)	166.5	167.8	(*)	176.6	(*)
Postal service													
Total employment	704.5	704.2	702.0	702.7	701.7	704.4	703.9	701.8	697.0	695.7	700.7	740.5	697.4
Average weekly hours	(*)	39.4	39.7	39.4	38.8	38.8	(*)	(*)	39.8	40.6	(*)	45.1	(*)
Average overtime hours	(*)	1.3	1.6	1.4	.9	.9	(*)	(*)	1.4	1.9	(*)	6.7	(*)
Indexes (1967=100):													
Average weekly earnings	(*)	180.5	182.8	181.1	183.6	183.3	(*)	(*)	195.8	201.1	(*)	243.6	(*)
Average hourly earnings	(*)	176.8	177.7	177.4	182.6	182.3	(*)	(*)	189.9	191.2	(*)	208.5	(*)
Other agencies													
Total employment	965.8	984.3	991.8	1,003.2	1,009.2	1,017.6	1,043.6	1,034.1	1,020.9	1,017.7	1,015.8	1,012.7	1,013.4
Average weekly hours	(*)	38.9	39.1	39.0	38.8	39.0	(*)	(*)	38.9	38.5	(*)	38.5	(*)
Average overtime hours	(*)	1.1	1.1	1.1	1.2	1.4	(*)	(*)	1.3	1.1	(*)	.8	(*)
Indexes (1967=100):													
Average weekly earnings	(*)	164.5	164.9	164.5	164.1	164.0	(*)	(*)	166.3	164.8	(*)	174.1	(*)
Average hourly earnings	(*)	164.1	163.6	163.6	164.1	163.1	(*)	(*)	165.8	166.1	(*)	175.5	(*)

NOTE: Averages presented in this table have been computed using data collected by the U.S. Civil Service Commission from all agencies of 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 supervisory and nonsupervisory, they are not comparable to similar data presented in table C-2 which relate only to production or nonsupervisory workers.
* = Not available.

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

Major industry group	Average hourly earnings excluding overtime ¹				
	Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^p	Sept. 1976 ^p
MANUFACTURING	\$ 4.65	\$ 4.70	\$ 5.00	\$ 5.02	\$ 5.09
DURABLE GOODS	5.00	5.06	5.35	5.36	5.44
Ordnance and accessories	5.11	5.22	5.55	5.57	-
Lumber and wood products	4.21	4.24	4.61	4.62	-
Furniture and fixtures	3.67	3.68	3.88	3.90	-
Stone, clay, and glass products	4.72	4.76	5.07	5.09	-
Primary metal industries	6.09	6.16	6.54	6.63	-
Fabricated metal products	4.93	4.98	5.21	5.24	-
Machinery, except electrical	5.21	5.27	5.55	5.56	-
Electrical equipment and supplies	4.49	4.53	4.78	4.81	-
Transportation equipment	5.80	5.90	6.17	6.23	-
Instruments and related products	4.47	4.48	4.74	4.74	-
Miscellaneous manufacturing industries	3.70	3.71	3.93	3.89	-
NONDURABLE GOODS	4.20	4.23	4.52	4.53	4.60
Food and kindred products	4.35	4.38	4.71	4.74	-
Tobacco manufactures	4.21	4.18	4.94	4.57	-
Textile mill products	3.23	3.32	3.57	3.60	-
Apparel and other textile products	3.11	3.16	3.34	3.36	-
Paper and allied products	4.84	4.84	5.18	5.22	-
Printing and publishing	(²)	(²)	(²)	(²)	-
Chemicals and allied products	5.25	5.28	5.69	5.72	-
Petroleum and coal products	6.32	6.31	6.82	6.87	-
Rubber and plastics products, nec	4.23	4.23	4.24	4.24	-
Leather and leather products	3.12	3.15	3.34	3.38	-

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

^p = preliminary.

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

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

Industry	Gross average weekly earnings			Spendable average weekly earnings							
				Worker with no dependents			Worker with three dependents				
	Aug. 1975	July 1976	Aug. 1976 ^p	Aug. 1975	July 1976	Aug. 1976 ^p	Aug. 1975	July 1976	Aug. 1976 ^p		
TOTAL PRIVATE:											
Current dollars	\$166.90	\$177.88	\$178.61	\$135.84	\$145.05	\$145.58	\$150.47	\$157.70	\$158.25		
1967 dollars	102.52	103.96	103.90	83.44	84.77	84.69	92.43	92.17	92.06		
MINING:											
Current dollars	248.64	272.85	254.78	194.55	214.10	201.18	211.79	229.90	215.92		
1967 dollars	152.73	159.47	148.21	119.50	125.13	117.03	130.09	134.37	125.61		
CONTRACT CONSTRUCTION:											
Current dollars	274.81	291.07	293.35	213.87	227.00	228.24	232.24	243.71	245.44		
1967 dollars	168.80	170.12	170.65	131.37	132.67	132.92	142.65	142.44	142.78		
MANUFACTURING:											
Current dollars	191.35	208.00	207.88	152.55	166.85	166.76	168.62	180.33	180.24		
1967 dollars	117.54	121.57	120.93	93.70	97.52	97.01	103.57	105.39	104.85		
TRANSPORTATION AND PUBLIC UTILITIES:											
Current dollars	241.40	259.69	262.91	189.26	204.69	206.99	206.12	219.72	222.21		
1967 dollars	148.28	151.78	152.94	116.25	119.63	120.41	126.61	128.42	129.27		
WHOLESALE AND RETAIL TRADE:											
Current dollars	130.10	136.97	136.57	109.02	114.77	114.47	122.49	127.69	127.41		
1967 dollars	79.91	80.05	79.45	66.97	67.08	66.59	75.24	74.63	74.12		
FINANCE, INSURANCE, AND REAL ESTATE:											
Current dollars	151.06	160.01	161.55	124.35	132.09	133.24	138.56	143.97	145.16		
1967 dollars	92.79	93.52	93.98	76.38	77.20	77.51	85.11	84.14	84.44		
SERVICES:											
Current dollars	138.23	147.22	147.65	114.97	122.48	122.80	130.14	134.67	134.96		
1967 dollars	84.91	86.04	85.89	70.62	71.58	71.44	79.94	78.71	78.51		
CONSUMER PRICE INDEX (All items, 1967 = 100) . . .	162.8	171.1	171.9	NOTE: The Consumer Price Index is an estimate of the average change in prices of goods and services purchased by urban wage earners and clerical workers.							

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

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 nonagricultural payrolls, by industry division and major manufacturing group

[1967 = 100]

Industry division and group	Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^p	Sept. 1976 ^p
	Hours				
TOTAL	110.2	110.0	113.0	113.7	113.0
GOODS-PRODUCING	94.0	96.1	95.8	97.4	98.8
MINING	121.4	121.9	130.0	115.8	131.3
CONTRACT CONSTRUCTION	110.7	109.0	106.8	107.9	103.2
MANUFACTURING	90.1	92.9	92.7	94.9	96.9
DURABLE GOODS	86.4	89.8	91.6	93.2	95.3
Ordnance and accessories	43.3	44.2	39.2	39.1	38.7
Lumber and wood products	93.3	93.1	101.4	103.3	102.3
Furniture and fixtures	95.2	99.2	98.6	104.5	104.8
Stone, clay, and glass products	98.0	98.8	101.6	102.5	102.0
Primary metal industries	80.8	84.3	89.4	88.8	90.7
Fabricated metal products	91.0	93.9	95.8	98.9	100.3
Machinery, except electrical	88.9	92.0	92.7	93.4	95.5
Electrical equipment and supplies	83.4	86.6	88.2	91.2	92.1
Transportation equipment	80.2	86.7	86.7	87.1	94.5
Instruments and related products	97.4	100.6	107.8	107.8	109.4
Miscellaneous manufacturing	92.2	96.1	90.5	94.7	97.0
NONDURABLE GOODS	95.6	97.5	94.4	97.5	99.1
Food and kindred products	107.0	108.6	99.8	107.7	109.5
Tobacco manufactures	96.0	101.7	71.5	91.7	94.9
Textile mill products	93.9	96.7	95.3	97.2	96.7
Apparel and other textile products	87.1	89.5	85.9	88.7	87.6
Paper and allied products	91.1	92.3	96.8	97.9	97.9
Printing and publishing	92.0	92.8	92.6	93.4	94.0
Chemicals and allied products	95.0	96.4	99.2	99.7	101.8
Petroleum and coal products	110.8	113.1	117.5	116.2	117.9
Rubber and plastics products, nec	111.4	115.4	103.5	106.1	124.1
Leather and leather products	74.5	74.4	73.8	74.9	72.2
SERVICE-PRODUCING	121.4	119.6	124.9	125.0	122.9
TRANSPORTATION AND PUBLIC UTILITIES	102.3	102.5	104.1	103.7	103.3
WHOLESALE AND RETAIL TRADE	117.6	115.7	120.7	120.5	118.6
WHOLESALE TRADE	112.2	112.1	116.7	116.5	116.1
RETAIL TRADE	119.6	117.1	122.1	122.0	119.5
FINANCE, INSURANCE, AND REAL ESTATE	125.2	123.3	129.0	129.5	128.3
SERVICES	134.3	131.6	139.1	139.4	136.4

¹For 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	Aug. 1975	Sept. 1975	July 1976	Aug. 1976 ^p	Sept. 1976 ^p
	Payrolls				
TOTAL	187.8	190.5	205.1	207.1	208.8
GOODS-PRODUCING	164.1	169.8	178.8	182.1	187.2
MINING	225.4	230.2	260.6	227.4	269.8
CONTRACT CONSTRUCTION	195.8	196.5	199.4	203.1	196.1
MANUFACTURING	153.6	160.7	170.4	175.0	181.7
DURABLE GOODS	148.6	156.8	169.4	173.0	180.0
Ordnance and accessories	71.8	74.8	70.8	70.7	70.4
Lumber and wood products	173.1	174.3	206.3	211.1	211.2
Furniture and fixtures	154.6	161.8	168.2	179.9	184.6
Stone, clay, and glass products	172.5	175.6	192.2	194.7	195.5
Primary metal industries	152.2	161.1	183.0	183.8	189.0
Fabricated metal products	156.0	163.0	174.2	181.4	186.8
Machinery, except electrical	150.4	157.6	167.1	169.1	175.0
Electrical equipment and supplies	138.3	145.6	156.0	162.5	166.6
Transportation equipment	140.2	155.0	164.0	165.5	184.2
Instruments and related products	156.3	162.5	184.5	184.6	188.4
Miscellaneous manufacturing	148.7	156.3	154.8	161.1	166.0
NONDURABLE GOODS	162.2	167.2	172.1	178.5	184.6
Food and kindred products	185.6	190.3	187.7	203.0	207.3
Tobacco manufactures	182.9	192.3	157.5	187.5	192.4
Textile mill products	154.0	163.9	172.1	176.8	177.8
Apparel and other textile products	135.8	142.1	143.5	149.4	150.1
Paper and allied products	161.7	164.2	184.4	188.1	190.1
Printing and publishing	152.9	155.2	160.1	162.8	165.6
Chemicals and allied products	166.6	170.1	189.1	190.5	197.9
Petroleum and coal products	202.9	209.0	234.2	232.3	238.6
Rubber and plastics products, nec	178.1	185.5	165.6	170.5	216.8
Leather and leather products	115.7	117.3	121.9	125.3	121.2
SERVICE-PRODUCING	208.2	208.3	227.7	228.5	227.5
TRANSPORTATION AND PUBLIC UTILITIES	191.3	193.5	207.9	209.7	210.3
WHOLESALE AND RETAIL TRADE	197.2	195.9	213.5	213.4	212.3
WHOLESALE TRADE	192.3	192.6	209.7	209.9	210.3
RETAIL TRADE	199.8	197.6	215.5	215.3	213.4
FINANCE, INSURANCE, AND REAL ESTATE	200.9	198.6	217.8	220.3	216.9
SERVICES	236.2	237.6	262.9	263.6	262.2

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

^p = preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED HOURS**

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

Industry	1975				1976								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. ^p	Sept. ^p
TOTAL PRIVATE	36.1	36.2	36.3	36.4	36.5	36.4	36.2	36.1	36.2	36.1	36.2	36.2	36.0
MINING	42.1	42.7	42.9	42.8	43.0	43.1	42.8	42.6	42.5	42.3	42.5	40.5	43.4
CONTRACT CONSTRUCTION	36.7	36.6	36.8	37.3	37.7	37.9	35.9	37.5	37.2	37.1	36.8	36.8	36.0
MANUFACTURING	39.8	39.8	39.9	40.3	40.5	40.3	40.2	39.4	40.2	40.2	40.2	39.9	39.6
<i>Overtime hours</i>	2.8	2.8	2.8	3.0	3.0	3.1	3.2	2.5	3.2	3.1	3.2	3.0	3.0
DURABLE GOODS	40.2	40.0	40.2	40.7	40.9	40.7	40.6	39.7	40.9	40.8	40.8	40.8	40.3
<i>Overtime hours</i>	2.7	2.6	2.7	2.9	2.9	3.0	3.1	2.5	3.3	3.3	3.3	3.2	3.2
Ordnance and accessories	41.7	41.6	41.7	41.3	41.4	40.7	40.8	39.6	40.8	41.1	40.9	40.5	40.3
Lumber and wood products	39.6	39.8	39.4	40.2	40.8	40.5	39.9	40.0	40.1	39.8	40.5	40.4	39.7
Furniture and fixtures	38.9	38.9	39.1	39.5	39.4	39.3	39.0	38.4	38.9	38.6	38.5	38.4	38.0
Stone, clay, and glass products	40.8	40.8	40.9	41.3	41.5	41.4	40.7	41.0	41.3	41.2	41.0	41.0	40.8
Primary metal industries	39.9	39.9	40.2	40.3	40.4	40.6	40.5	40.4	40.9	41.1	41.2	40.9	40.3
Fabricated metal products	40.2	40.4	40.5	41.1	41.0	41.0	40.9	39.6	40.9	40.9	40.8	41.0	40.7
Machinery, except electrical	40.7	40.6	40.9	41.2	41.3	41.2	41.0	40.2	41.1	41.1	41.4	41.4	40.8
Electrical equipment and supplies	39.6	39.6	39.6	40.1	40.4	40.2	40.1	39.2	40.2	40.1	40.1	39.9	39.2
Transportation equipment	40.9	40.4	40.8	41.9	41.7	41.6	42.1	40.6	42.2	42.4	42.0	41.9	41.6
Instruments and related products	39.7	39.7	39.9	40.3	40.4	40.2	40.5	39.6	40.8	40.5	40.8	40.4	40.0
Miscellaneous manufacturing, Ind.	38.7	38.8	38.6	39.2	39.1	38.7	38.8	38.0	38.7	38.6	38.7	38.4	38.4
NONDURABLE GOODS	39.4	39.5	39.5	39.7	39.9	39.7	39.5	38.7	39.5	39.2	39.1	39.0	38.9
<i>Overtime hours</i>	3.0	3.0	3.0	3.2	3.3	3.1	3.2	2.6	3.1	2.9	3.0	2.8	2.8
Food and kindred products	40.9	40.6	40.4	40.5	40.7	40.5	40.2	40.0	40.2	40.0	40.0	40.1	40.0
Tobacco manufactures	38.0	37.5	39.7	37.7	39.1	39.5	39.3	39.0	38.4	38.4	34.5	36.6	37.2
Textile mill products	40.9	41.0	41.0	41.2	41.4	40.9	40.7	39.0	40.7	40.3	40.1	39.4	39.1
Apparel and other textile products	36.0	36.2	36.1	36.6	36.6	36.3	36.2	34.9	35.9	35.9	35.5	35.1	34.8
Paper and allied products	42.2	42.3	42.4	42.9	42.7	42.7	42.5	41.8	42.8	42.5	42.3	42.1	42.1
Printing and publishing	36.9	37.0	37.3	37.6	37.8	37.5	37.4	37.1	37.5	37.4	37.6	37.6	37.5
Chemicals and allied products	41.3	41.4	41.4	41.7	41.6	41.7	41.5	41.5	41.6	41.4	41.4	41.3	42.2
Petroleum and coal products	41.6	41.8	42.0	41.8	42.5	42.4	42.4	42.2	42.2	41.9	42.1	42.0	42.3
Rubber and plastics products, nec	40.1	40.0	40.0	40.6	40.9	40.9	41.0	39.4	40.7	40.3	40.3	40.0	40.6 ^c
Leather and leather products	38.4	38.9	38.4	38.7	38.6	38.4	38.6	37.5	38.1	37.1	37.0	36.9	36.6
TRANSPORTATION AND PUBLIC UTILITIES	39.7	39.7	39.6	39.9	39.6	39.8	39.9	40.0	39.6	39.8	39.7	39.8	39.8
WHOLESALE AND RETAIL TRADE	33.6	33.9	33.8	33.9	33.9	33.9	33.7	33.9	33.8	33.6	33.6	33.6	33.5
WHOLESALE TRADE	38.5	38.8	38.7	38.8	38.9	38.8	38.7	38.9	38.9	38.7	39.1	38.9	38.8
RETAIL TRADE	32.2	32.3	32.5	32.4	32.5	32.3	32.2	32.5	32.3	32.0	32.0	31.9	32.0
FINANCE, INSURANCE, AND REAL ESTATE	36.3	36.4	36.7	36.4	36.5	36.7	36.5	36.6	36.8	36.6	36.6	36.7	36.8
SERVICES	33.6	33.7	33.9	33.6	33.7	33.7	33.5	33.5	33.7	33.4	33.4	33.6	33.4

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

p = preliminary.

c=See note on correction, table B-2.

C-8. Average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1975				1976								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. ^p	Sept. ^p
Average hourly earnings													
TOTAL PRIVATE	\$4.60	\$4.63	\$4.68	\$4.68	\$4.73	\$4.75	\$4.77	\$4.78	\$4.83	\$4.84	\$4.87	\$4.89	\$4.91
MINING	6.01	6.08	6.10	6.11	6.19	6.26	6.30	6.30	6.36	6.35	6.44	6.31	6.54
CONTRACT CONSTRUCTION	7.32	7.32	7.41	7.46	7.46	7.46	7.59	7.56	7.65	7.69	7.77	7.77	7.72
MANUFACTURING	4.88	4.90	4.93	4.96	5.00	5.04	5.08	5.06	5.13	5.16	5.22	5.25	5.30
TRANSPORTATION AND PUBLIC UTILITIES	6.04	6.12	6.17	6.17	6.22	6.29	6.33	6.37	6.44	6.47	6.46	6.54	6.52
WHOLESALE AND RETAIL TRADE	3.79	3.82	3.84	3.84	3.87	3.88	3.90	3.91	3.94	3.96	3.99	3.99	4.01
FINANCE, INSURANCE, AND REAL ESTATE	4.16	4.18	4.26	4.22	4.24	4.30	4.30	4.33	4.36	4.36	4.37	4.42	4.37
SERVICES	4.10	4.15	4.22	4.22	4.25	4.27	4.27	4.30	4.34	4.36	4.36	4.38	4.37
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars	166.06	167.61	169.88	170.35	172.65	172.90	172.67	172.56	174.85	174.72	176.29	177.02	176.76
1967 dollars	101.57	101.89	102.65	102.37	103.32	103.35	103.03	102.53	103.28	102.72	103.15	103.04	-
Real spendable earnings (worker and 3 dependents, 1967 dollars)	91.63	91.81	92.30	92.02	91.99	92.00	91.72	91.30	91.80	91.31	91.57	91.41	-

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

p = preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**

C-9. 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	1975				1976								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. ^p	Sept. ^p
TOTAL	107.9	108.4	108.8	109.3	110.3	110.5	110.2	110.7	111.2	110.6	111.0	111.1	111.3 ^c
GOODS-PRODUCING	92.4	92.7	92.9	94.3	95.5	95.2	94.8	94.5	96.0	95.5	95.3	94.7	95.1 ^c
MINING	119.9	125.0	124.7	125.7	125.2	124.4	124.8	124.9	124.4	124.9	127.2	113.1	129.4 ^c
CONTRACT CONSTRUCTION	98.6	97.3	97.7	98.8	100.3	98.8	93.4	98.8	97.8	96.8	96.7	95.9	93.2
MANUFACTURING	90.3	90.8	90.9	92.5	93.7	93.6	94.0	92.7	94.7	94.2	94.0	93.9	94.2 ^c
DURABLE GOODS	87.7	87.8	88.1	90.0	91.3	91.3	92.0	91.0	93.6	93.4	93.3	93.7	93.3
Ordnance and accessories	43.0	42.9	40.8	41.5	41.6	40.9	41.0	40.3	41.0	40.7	40.0	39.6	37.7
Lumber and wood products	90.1	92.1	90.8	93.4	97.0	96.4	95.2	95.8	96.4	96.1	98.4	98.5	99.1
Furniture and fixtures	97.4	97.9	99.2	101.0	101.5	103.1	102.8	102.5	104.8	102.5	101.5	101.5	102.7
Stone, clay, and glass products	95.7	95.7	96.2	97.1	97.6	96.7	95.7	98.0	99.1	99.2	99.2	98.8	98.7
Primary metal industries	83.5	81.9	82.3	83.6	84.1	84.9	85.3	85.8	87.4	88.7	89.8	89.8	89.9
Fabricated metal products	92.0	92.8	92.7	94.6	95.7	96.6	97.3	95.0	98.3	97.9	97.4	98.7	98.1
Machinery, except electrical	91.8	91.9	92.0	92.5	93.4	93.2	93.3	91.6	94.3	94.0	95.3	95.7	95.2
Electrical equipment and supplies	84.9	85.8	85.5	87.5	89.0	89.2	90.3	89.2	91.9	91.6	90.6	92.0	90.2
Transportation equipment	82.2	81.5	83.1	87.3	89.0	88.2	90.8	88.5	92.3	92.6	90.6	91.3	90.6
Instruments and related products	99.4	100.8	101.7	103.4	105.0	105.2	106.3	105.7	109.9	109.1	109.9	107.8	108.1
Miscellaneous manufacturing, ind.	91.4	91.3	90.8	91.7	94.4	94.3	95.1	92.9	95.7	94.6	93.1	91.2	92.4
NONDURABLE GOODS	94.1	95.1	95.0	96.2	97.1	96.9	96.9	95.3	96.2	95.4	95.0	94.2	95.6 ^c
Food and kindred products	96.9	96.5	95.1	95.4	96.9	97.3	95.5	95.9	96.7	96.5	96.5	96.7	97.6
Tobacco manufactures	88.1	85.6	93.4	87.4	90.6	88.8	85.6	84.9	83.6	82.2	81.2	82.2	82.3
Textile mill products	96.4	98.1	98.0	99.1	99.7	99.0	98.6	95.2	99.5	98.0	97.0	96.1	96.3
Apparel and other textile products	87.8	90.0	90.1	92.1	93.1	91.8	92.6	88.9	91.2	91.3	89.7	86.9	85.7
Paper and allied products	91.3	92.0	92.6	94.7	95.2	95.8	95.9	95.0	97.9	97.2	96.7	96.1	96.8
Printing and publishing	91.9	91.8	92.4	93.5	93.4	92.5	92.7	92.1	93.4	92.7	93.3	93.5	93.2
Chemicals and allied products	96.1	97.4	97.6	98.1	98.5	99.4	99.1	99.5	99.5	98.4	99.1	99.3	101.5
Petroleum and coal products	108.9	110.2	111.6	111.1	113.8	114.4	114.4	114.8	113.9	111.4	111.9	112.5	113.3
Rubber and plastics products, nec	113.0	114.7	113.5	116.2	118.8	119.3	121.8	118.5	107.8	106.2	105.7	105.4	121.6 ^c
Leather and leather products	74.9	77.2	77.2	78.1	79.3	78.9	79.9	78.3	79.2	76.2	74.7	72.9	72.3
SERVICE-PRODUCING	118.7	119.3	119.8	119.7	120.6	121.0	120.9	121.9	121.7	121.1	121.8	122.4	122.5
TRANSPORTATION AND PUBLIC UTILITIES	101.1	101.2	101.5	101.7	101.5	102.7	102.5	102.9	101.4	101.4	101.7	102.0	101.9
WHOLESALE AND RETAIL TRADE	114.6	115.1	115.2	115.5	116.8	116.8	116.8	118.2	117.7	116.8	117.9	117.8	118.2
WHOLESALE TRADE	111.3	112.0	111.5	112.3	113.4	113.6	113.2	114.3	114.5	113.7	115.3	115.0	115.5
RETAIL TRADE	115.8	116.2	116.6	116.6	118.1	118.0	118.1	119.7	118.9	118.0	118.9	118.9	119.2
FINANCE, INSURANCE, AND REAL ESTATE	123.5	123.7	125.1	124.5	125.1	125.8	125.5	126.1	126.2	126.3	126.3	127.0	128.3
SERVICES	131.1	132.0	133.1	132.3	133.3	133.9	133.7	134.3	135.3	134.5	135.0	136.6	136.2

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

p = preliminary.

^cSee note on correction, table B-2.

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

Industry division	Annual rate Millions of hours ²			Percent change ³		
	JULY 1976	AUGUST 1976p	SEPTEMBER 1976p	Sept. 1975 to Sept. 1976	July 1976 to Aug. 1976	August 1976 to Sept. 1976
	TOTAL - ALL INDUSTRIES	151,063	151,132	151,356	2.8	0.6	1.8
TOTAL - PRIVATE	121,168	121,306	121,532	3.0	1.4	2.3
MINING	1,741	1,577	1,778	8.0	- 69.5	321.7
CONTRACT CONSTRUCTION	6,455	6,399	6,236	- 4.8	- 9.8	- 26.7
MANUFACTURING	39,289	39,335	39,397	3.5	1.4	1.9
TRANSPORTATION AND PUBLIC UTILITIES	9,290	9,313	9,303	1.4	3.1	- 1.3
WHOLESALE AND RETAIL TRADE	30,807	30,770	30,877	3.2	- 1.4	4.3
FINANCE, INSURANCE, AND REAL ESTATE	8,189	8,235	8,315	3.9	6.8	12.3
SERVICES	25,397	25,677	25,626	3.9	14.0	- 2.3
GOVERNMENT	29,894	29,826	29,824	1.9	- 2.7	- 0.1

¹ Data refer to hours paid for 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—Chapter 25. Output Per Man-Hour Measures, Private Economy.*

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

³ Percent change compounded at annual rates.
p = preliminary.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

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

[1967 = 100]

Item	Annual average		Quarterly indexes										
			1973		1974				1975				1976
	1974	1975	IV	I	II	III	IV	I	II	III	IV	I	II
Private business sector:													
Output per hour of all persons	109.2	111.4	112.4	110.5	109.4	108.7	107.6	108.0	111.3	113.6	113.2r	115.2	116.3
Output	120.8	118.0	125.0	123.0	121.8	120.6	117.6	114.2	116.7	120.1	121.1r	124.1	125.8
Hours	110.6	105.9	111.3	111.3	111.3	110.9	109.3	105.7	104.8	105.7	107.1r	107.7	108.1
Compensation per hour	164.3	180.2	154.1	157.1	161.8	166.7	170.7	176.0	179.0	181.3	185.0r	189.8	193.4
Real compensation per hour													
hour	111.2	111.8	112.1	110.9	111.3	111.3	110.7	112.0	112.2	111.3	111.8r	113.4	114.3
Unit labor costs	150.4	161.7	137.1	142.2	147.9	153.4	158.6	162.9	160.8	159.6	163.5r	164.7	166.2
Unit nonlabor payments	131.1	149.5	129.5	128.4	129.4	132.0	135.0	138.6	146.6	156.2	156.2r	156.1	159.4
Implicit price deflator	143.8	157.5	134.5	137.5	141.6	146.0	150.5	154.6	155.9	158.4	160.9r	161.8	163.8
Nonfarm business sector:													
Output per hour of all persons	107.4	109.4	110.5	109.2	107.6	106.7	105.6	106.0	109.2	111.6	111.0r	112.6	114.1
Output	121.1	118.0	125.3	123.6	122.1	120.9	117.8	114.3	116.5	119.9	121.2r	124.3	125.9
Hours	112.7	107.9	113.4	113.2	113.5	113.3	111.5	107.9	106.7	107.4	109.2	110.4	110.4
Compensation per hour	162.0	177.7	151.9	155.3	159.6	164.0	168.3	173.1	176.4	179.3	182.2	186.4	190.5
Real compensation per hour													
hour	109.7	110.2	110.5	109.7	109.7	109.5	109.2	110.1	110.5	110.1	110.1	111.4	112.6
Unit labor costs	150.8	162.4	137.5	142.2	148.4	153.7	159.3	163.3	161.6	160.7	164.2	165.6	167.0
Unit nonlabor payments	125.2	144.8	120.5	120.3	124.2	127.0	129.8	136.1	142.3	150.0	150.1	152.4	154.0
Implicit price deflator	142.1	156.4	131.7	134.7	140.1	144.6	149.2	154.0	155.0	157.0	159.4	161.1	162.5
Manufacturing:													
Output per hour of all persons	114.7	114.9	117.9	114.7	115.5	115.5r	112.6	109.0	113.1	118.6	119.4	120.9	123.3
Output	116.8	106.3	123.1	119.0	118.5	118.5	111.5	100.8	102.7	109.5	112.6	116.5	118.9
Hours	101.8	92.5	104.4	103.7	102.6	102.6	99.0	92.5	90.8	92.3	94.3	96.3	96.4
Compensation per hour	161.7	179.8	150.6	153.8	159.1	163.5	169.6	175.9	179.1	180.7	183.6	187.9	192.4
Real compensation per hour													
hour	109.5	111.5	109.6	108.6	109.4	109.2	110.1	111.9	112.2	111.0	111.0	112.3	113.7
Unit labor costs	140.9	156.4	127.8	134.1	137.7	141.6	150.7	161.3	158.3	152.3	153.7	155.4	156.0
Nonfinancial corporations:													
Output per all-employee hour	112.7	115.9	115.4	114.6	113.6	111.9	110.8	111.7	115.8	118.2	117.8	119.1	120.6
Output	128.0	124.0	132.5	131.4	129.7	127.7	123.7	119.7	122.4	126.2	127.5	130.8	132.9
Hours	113.6	107.0	114.9	114.6	114.2	114.1	111.7	107.1	105.7	106.8	108.3	109.8	110.2
Compensation per hour	167.2	184.8	155.9	160.4	165.0	169.4	174.2	180.2	183.5	186.1	189.4	193.5	197.5
Real compensation per hour													
hour	113.2	114.7	113.4	113.3	113.4	113.2	113.0	114.6	115.0	114.3	114.5	115.6	116.7
Total unit costs	152.0	166.8	137.4	142.4	148.5	155.2	162.0	167.4	165.9	165.4	168.7	169.6	171.1
Unit labor costs	148.4	159.4	135.1	139.9	145.2	151.4	157.3	161.3	158.5	157.5	160.8	162.5	163.8
Unit nonlabor costs	163.1	189.8	144.4	150.1	158.4	167.2	176.8	186.5	189.2	190.2	193.4	191.9	193.8
Unit profits	69.2	87.0	85.1	75.1	74.4	66.4	60.2	61.6	82.4	102.0	100.5	106.0	106.8
Implicit price deflator	139.7	155.0	129.6	132.4	137.5	142.0	146.9	151.7	153.5	156.0	158.6	160.2	161.5

p= preliminary.
r= revised.

Beginning with the August 1976 issue, the productivity and costs measures contained in tables C-11 and C-12 have been revised to reflect the Gross Domestic Product of the private business and nonfarm business sectors rather than the total private and private nonfarm economies. These new measures omit the households and nonprofit institutions, the owner-occupied housing, and the statistical discrepancy components of the Gross Domestic Product.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

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

Item	Quarterly percent change						Annual percent change					
	IV 1974	I 1975	II 1975	III 1975	IV 1975	I 1976	I 1974	II 1974	III 1974	IV 1974	I 1975	II 1975
	to I 1975	to II 1975	to III 1975	to IV 1975	to I 1976	to II 1976	to I 1975	to II 1975	to III 1975	to IV 1975	to I 1976	to II 1976
Private business sector:												
Output per hour of all persons	1.6	12.7	8.5	-1.6	7.5	4.0	-2.2	1.7	4.5	5.2	6.6	4.5
Output	-11.2	8.9	12.3	3.6	10.2	5.5	-7.2	-4.2	-0.4	3.0	8.7	7.8
Hours	-12.7	-3.3	3.5	5.2	2.5	1.5	-5.1	-5.9	-4.7	-2.1	1.9	3.2
Compensation per hour	13.1	6.9	5.2	8.3	10.9	7.7	12.1	10.6	8.8	8.4	7.8	8.0
Real compensation per hour	4.5	0.7	-2.9	1.6	6.1	3.0	1.0	0.8	0.0	0.9	1.3	1.9
Unit labor costs	11.3	-5.1	-3.0	10.1	3.2	3.6	14.6	8.7	4.1	3.0	1.1	3.4
Unit nonlabor payments	11.3	25.0	28.8	-0.0	-0.1	8.5	7.9	13.3	18.4	15.7	12.6	8.7
Implicit price deflator	11.3	3.5	6.6	6.6	2.1	5.2	12.5	10.1	8.5	7.0	4.7	5.1
Nonfarm business sector:												
Output per hour of all persons	1.3	12.6	9.3	-2.2	5.8	5.6	-3.0	1.5	4.6	5.1	6.2	4.5
Output	-11.3	7.9	12.1	4.5	10.5	5.5	-7.5	-4.6	-0.8	2.9	8.7	8.1
Hours	-12.4	-4.2	2.5	6.9	4.4	-0.1	-4.7	-5.9	-5.2	-2.1	2.3	3.4
Compensation per hour	11.8	7.9	6.8	6.6	9.5	9.1	11.4	10.5	9.4	8.3	7.7	8.0
Real compensation per hour	3.3	1.6	-1.4	-0.0	4.8	4.3	0.4	0.7	0.6	0.8	1.2	1.9
Unit labor costs	10.4	-4.2	-2.2	9.0	3.5	3.3	14.9	8.9	4.6	3.1	1.4	3.3
Unit nonlabor payments	20.8	19.6	23.5	0.5	6.2	4.2	13.1	14.5	18.0	15.7	12.0	8.2
Implicit price deflator	13.5	2.6	5.3	6.2	4.3	3.6	14.3	10.6	8.6	6.8	4.6	4.9
Manufacturing:												
Output per hour of all persons	-12.0	15.8	21.1	2.7	5.1	8.3	-5.0	-2.1	2.8	6.1	10.9	9.1
Output	-33.1	7.6	29.4	11.9	14.4	8.4	-15.3	-13.4	-7.6	1.0	15.6	15.8
Hours	-24.0	-7.1	6.9	9.0	8.9	0.1	-10.9	-11.5	-10.1	-4.7	4.2	6.1
Compensation per hour	15.5	7.4	3.8	6.5	9.7	10.0	14.3	12.6	10.5	8.2	6.8	7.5
Real compensation per hour	6.7	1.2	-4.2	-0.1	4.8	5.2	3.0	2.6	1.6	0.8	0.4	1.4
Unit labor costs	31.3	-7.2	-14.3	3.7	4.3	1.6	20.3	15.0	7.5	2.0	-3.7	-1.5
Nonfinancial corporations:												
Output per all-employee hour	3.5	15.4	8.5	-1.3	4.4	5.2	-2.6	1.9	5.6	6.4	6.6	4.1
Output	-12.5	9.5	13.1	4.2	10.6	6.7	-8.9	-5.6	-1.1	3.1	9.3	8.6
Hours	-15.5	-5.1	4.2	5.6	6.0	1.4	-6.5	-7.4	-6.4	-3.1	2.5	4.3
Compensation per hour	14.5	7.5	5.9	7.2	8.9	8.6	12.3	11.2	9.9	8.7	7.4	7.6
Real compensation per hour	5.8	1.2	-2.2	0.5	4.2	3.8	1.2	1.4	1.0	1.3	0.9	1.5
Total unit costs	14.0	-3.6	-1.2	8.1	2.2	3.5	17.6	11.8	6.6	4.1	1.3	3.1
Unit labor costs	10.7	-6.9	-2.4	8.6	4.3	3.2	15.3	9.1	4.0	2.2	0.7	3.3
Unit nonlabor costs	23.7	5.8	2.1	7.1	-3.1	4.0	24.2	19.4	13.7	9.4	2.9	2.5
Unit profits	10.1	218.7	135.3	-5.9	23.8	3.3	-17.9	10.7	53.5	66.9	71.9	29.7
Implicit price deflator	13.8	4.8	6.7	6.7	4.1	3.4	14.6	11.7	9.8	7.9	5.6	5.2

p= preliminary.
r= revised.

Beginning with the August 1976 issue, the productivity and costs measures contained in tables C-11 and C-12 have been revised to reflect the Gross Domestic Product of the *private business and nonfarm business* sectors rather than the total private and private nonfarm economies. These new measures omit the households and nonprofit institutions, the owner-occupied housing, and the statistical discrepancy components of the Gross Domestic Product.

**ESTABLISHMENTS DATA
STATE AND AREA HOURS AND EARNINGS**

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P
ALABAMA	\$167.65	\$181.80	\$182.78	40.3	40.4	40.8	\$4.16	\$4.50	\$4.48
Birmingham	203.71	235.72	235.60	40.1	41.5	41.7	5.08	5.68	5.65
Mobile	200.50	229.23	223.36	40.1	40.5	40.1	5.00	5.66	5.57
ALASKA	346.51	354.06	(*)	41.3	42.1	(*)	8.39	8.41	(*)
ARIZONA	193.15	205.52	209.35	39.1	39.6	39.5	4.94	5.19	5.30
Phoenix	196.00	206.04	207.50	39.2	39.7	39.6	5.00	5.19	5.24
Tucson	196.11	210.94	214.12	39.3	39.8	39.8	4.99	5.30	5.38
ARKANSAS	141.87	157.99	157.61	39.3	40.2	39.9	3.61	3.93	3.95
Fayetteville-Springdale	132.38	149.03	138.60	39.4	42.1	38.5	3.36	3.54	3.60
Fort Smith	141.31	155.23	156.81	38.4	39.6	39.9	3.68	3.92	3.93
Little Rock-North Little Rock	156.77	174.33	176.07	38.9	39.0	39.0	4.03	4.47	4.53
Pine Bluff	174.41	201.69	205.66	38.5	41.5	41.8	4.53	4.86	4.92
CALIFORNIA	209.75	222.76	227.93	39.8	39.5	40.2	5.27	5.64	5.67
Anaheim-Santa Ana-Garden Grove	196.58	208.12	211.41	40.2	40.1	40.5	4.89	5.19	5.22
Bakersfield	202.15	215.63	223.29	39.1	38.3	38.9	5.17	5.63	5.74
Fresno	187.15	192.99	209.50	39.4	36.9	39.9	4.75	5.23	5.25
Los Angeles-Long Beach	197.01	207.77	209.75	39.8	39.5	39.8	4.95	5.26	5.27
Modesto	213.09	208.95	232.27	41.7	38.2	41.7	5.11	5.47	5.57
Oxnard-Simi Valley-Ventura	182.75	193.94	196.81	38.8	39.1	39.6	4.71	4.96	4.97
Riverside-San Bernardino-Ontario	211.87	240.90	235.62	39.9	40.9	39.8	5.31	5.89	5.92
Sacramento	220.08	245.23	268.65	39.3	39.3	43.4	5.60	6.24	6.19
Salinas-Seaside-Monterey	184.99	195.56	193.44	37.6	37.9	37.2	4.92	5.16	5.20
San Diego	199.43	212.46	218.18	38.8	38.7	39.1	5.14	5.49	5.58
San Francisco-Oakland	247.83	273.88	272.28	39.4	40.1	40.1	6.29	6.83	6.79
San Jose	222.48	243.43	253.99	39.8	39.2	40.9	5.59	6.21	6.21
Santa Barbara-Santa Maria-Lompoc	181.97	192.76	193.55	38.8	39.1	39.1	4.69	4.93	4.95
Santa Rosa	185.10	202.74	208.44	36.8	37.2	38.6	5.03	5.45	5.40
Stockton	239.13	238.34	258.94	41.3	39.2	41.9	5.79	6.08	6.18
Vallejo-Fairfield-Napa	212.91	227.46	238.40	38.5	38.1	39.8	5.53	5.97	5.99
COLORADO	204.51	210.50	211.00	40.1	39.2	39.7	5.10	5.37	5.33
Denver-Boulder	205.20	207.05	239.82	40.0	38.7	39.0	5.13	5.35	5.38
CONNECTICUT	192.30	209.82	207.43	40.4	40.9	40.2	4.76	5.13	5.16
Bridgeport	203.36	223.87	217.83	41.0	42.4	41.1	4.96	5.28	5.30
Hartford	213.00	238.29	228.78	41.2	42.4	41.0	5.17	5.62	5.58
New Britain	201.72	208.87	210.25	41.0	40.4	40.2	4.92	5.17	5.23
New Haven-West Haven	193.52	200.55	203.45	39.9	39.4	39.2	4.85	5.09	5.19
Stamford	203.86	219.54	216.00	41.1	42.3	41.3	4.96	5.19	5.23
Waterbury	168.48	179.49	177.01	40.5	40.7	39.6	4.14	4.41	4.47
DELAWARE	210.64	220.86	195.83	40.9	40.9	37.3	5.15	5.40	5.25
Wilmington	237.09	247.46	223.85	40.7	40.5	30.7	5.84	6.11	6.05
DISTRICT OF COLUMBIA:									
Washington SMSA	216.12	211.91	210.43	38.8	38.6	38.4	5.57	5.49	5.48
FLORIDA	162.35	177.36	(*)	39.5	40.4	(*)	4.11	4.39	(*)
Fort Lauderdale-Hollywood	156.31	169.58	(*)	38.5	39.9	(*)	4.06	4.25	(*)
Jacksonville	205.73	221.43	(*)	41.9	42.5	(*)	4.91	5.21	(*)
Miami	159.62	150.14	(*)	39.0	39.1	(*)	3.58	3.84	(*)
Orlando	162.81	183.42	(*)	40.1	40.4	(*)	4.06	4.54	(*)
Pensacola	192.72	217.64	(*)	39.9	41.3	(*)	4.83	5.26	(*)
Tampa-St. Petersburg	174.87	191.41	(*)	40.2	40.9	(*)	4.35	4.68	(*)
West Palm Beach-Boca Raton	195.43	198.81	(*)	40.8	42.3	(*)	4.79	4.70	(*)
GEORGIA	156.41	167.20	164.77	39.3	40.0	39.8	3.98	4.18	4.14
Atlanta	160.18	208.82	196.74	39.0	39.4	38.5	4.62	5.30	5.11
Savannah	199.18	225.77	225.57	42.2	42.2	42.4	4.72	5.35	5.32
HAWAII	179.50	186.19	185.67	39.8	39.7	38.6	4.51	4.69	4.81
Honolulu	170.50	174.60	173.80	38.4	38.8	37.7	4.44	4.50	4.61
IDAHO	195.22	217.88	209.38	39.2	39.4	38.0	4.98	5.53	5.51

See footnotes at end of table.

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

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P
ILLINOIS	\$215.30	\$233.43	\$233.40	39.7	40.3	39.9	\$5.43	\$5.79	\$5.85
INDIANA	220.25	245.01	245.83	39.9	40.7	40.7	5.52	6.02	6.04
Indianapolis	225.33	249.64	(*)	40.6	41.4	(*)	5.55	6.03	(*)
IOWA	211.83	231.05	238.79	39.3	39.7	41.1	5.39	5.82	5.81
Cedar Rapids	217.09	236.01	240.60	39.4	39.8	40.1	5.51	5.93	6.00
Des Moines	225.62	211.58	218.30	38.9	35.5	37.0	5.80	5.96	5.90
Dubuque	240.50	292.52	281.50	37.0	41.2	40.1	6.50	7.10	7.02
Sioux City	187.31	193.14	207.43	38.7	37.0	38.7	4.84	5.22	5.36
Waterloo—Cedar Falls	262.25	303.36	290.47	39.2	41.9	39.9	6.69	7.24	7.28
KANSAS	190.90	204.24	200.38	40.6	40.9	40.5	4.70	4.99	4.94
Topeka	180.77	192.01	187.79	37.8	41.3	40.0	4.79	4.65	4.69
Wichita	219.78	223.68	218.19	42.3	41.2	40.2	5.20	5.43	5.43
KENTUCKY	183.46	201.88	199.29	39.2	39.2	39.0	4.68	5.15	5.11
Louisville	214.62	235.98	236.02	39.2	39.2	39.6	5.48	6.02	5.96
LOUISIANA	200.72	221.53	220.71	41.3	41.1	41.1	4.86	5.39	5.37
Baton Rouge	245.50	288.72	289.01	41.4	42.9	43.2	5.93	6.73	6.69
New Orleans	192.38	213.19	212.40	40.5	40.3	40.0	4.75	5.29	5.31
Shreveport	185.49	185.50	190.41	40.5	39.3	40.6	4.58	4.72	4.69
MAINE	157.12	168.00	167.14	40.6	40.0	39.7	3.87	4.20	4.21
Lewiston—Auburn	128.26	142.16	140.50	38.4	39.6	38.6	3.34	3.59	3.64
Portland	165.65	177.48	172.62	40.6	40.8	39.5	4.08	4.35	4.37
MARYLAND	200.94	223.20	217.95	39.4	40.0	39.2	5.10	5.58	5.56
Baltimore	210.93	237.55	230.69	39.5	40.4	39.3	5.34	5.88	5.87
MASSACHUSETTS	174.33	190.32	188.94	39.0	39.9	39.2	4.47	4.77	4.82
Boston	192.18	209.48	205.67	39.3	39.9	39.1	4.89	5.25	5.26
Brockton	145.92	156.74	151.93	38.1	38.7	37.7	3.83	4.05	4.03
Fall River	127.78	135.32	133.08	36.3	35.8	34.3	3.52	3.78	3.88
Lawrence—Haverhill	172.09	181.31	184.32	39.2	39.5	39.3	4.39	4.59	4.69
Lowell	161.35	166.12	171.60	38.6	38.1	39.0	4.18	4.36	4.40
New Bedford	146.58	153.75	152.70	38.0	37.5	36.1	3.91	4.13	4.23
Springfield—Chicopee—Holyoke	176.31	191.76	196.82	39.8	40.8	41.7	4.43	4.70	4.72
Worcester	181.03	190.70	187.60	39.1	39.4	38.6	4.63	4.84	4.66
MICHIGAN	252.31	292.64	291.21	40.8	43.2	42.7	6.19	6.77	6.82
Ann Arbor	266.50	317.86	331.76	41.0	44.4	45.1	6.50	7.16	7.36
Battle Creek	269.40	295.72	294.48	42.2	42.3	41.8	6.38	6.99	7.05
Bay City	267.18	313.31	307.41	45.2	47.9	47.2	5.91	6.54	6.51
Detroit	264.55	316.68	312.82	40.6	44.1	44.6	6.52	7.18	7.01
Flint	285.70	350.40	336.24	41.8	46.3	45.0	6.84	7.57	7.47
Grand Rapids	211.70	228.38	231.69	40.4	40.6	41.0	5.24	5.63	5.65
Jackson	249.32	245.18	244.90	43.3	40.6	40.6	5.76	6.04	6.03
Kalamazoo—Portage	224.06	244.62	245.92	40.4	40.6	40.5	5.55	6.03	6.07
Lansing—East Lansing	274.07	301.01	297.95	41.9	43.6	42.2	6.54	6.90	7.06
Muskegon—Norton Shore—Muskegon Heights	216.06	243.97	246.89	39.9	40.6	41.1	5.42	6.01	6.01
Saginaw	301.98	349.73	343.68	42.3	44.7	44.3	7.14	7.82	7.76
MINNESOTA	204.29	216.61	218.10	39.9	39.6	39.8	5.12	5.47	5.48
Duluth—Superior	185.85	194.54	192.53	38.8	38.6	38.2	4.79	5.04	5.04
Minneapolis—St. Paul	220.58	232.25	234.21	40.4	39.7	39.9	5.46	5.85	5.87
MISSISSIPPI	141.25	150.84	153.97	39.9	39.8	40.2	3.54	3.79	3.83
Jackson	148.88	153.66	158.80	40.9	39.0	40.0	3.64	3.94	3.97
MISSOURI	186.33	207.60	206.44	38.9	40.0	39.7	4.79	5.19	5.20
Kansas City	208.95	240.13	235.53	38.2	40.7	40.4	5.47	5.90	5.83
St. Joseph	191.68	192.16	193.92	41.4	40.2	40.4	4.63	4.78	4.80
St. Louis	215.34	243.24	239.00	38.8	40.5	40.1	5.55	6.01	5.96
Springfield	165.95	184.54	183.06	39.7	41.1	40.5	4.18	4.49	4.52
MONTANA	196.04	235.78	235.05	37.2	38.4	36.9	5.27	6.14	6.37

See footnotes at end of table.

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

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P
NEBRASKA	\$187.07	\$204.91	\$205.64	40.9	41.5	41.4	\$4.57	\$4.93	\$4.97
Lincoln	176.20	183.81	179.61	40.1	40.0	39.6	4.40	4.60	4.54
Omaha	201.08	223.52	224.98	41.1	41.7	41.8	4.89	5.30	5.38
NEVADA	193.26	227.18	230.68	37.6	38.9	38.9	5.14	5.84	5.93
Las Vegas	249.38	271.08	(*)	39.9	40.1	(*)	6.25	6.76	(*)
NEW HAMPSHIRE	154.82	167.38	166.06	38.9	39.2	38.8	3.98	4.27	4.28
Manchester	142.76	150.48	150.91	38.9	38.0	38.4	3.67	3.90	3.93
Nashua	164.62	185.72	175.31	37.5	39.1	37.3	4.39	4.75	4.70
NEW JERSEY	201.96	222.32	219.47	40.8	41.4	41.1	4.95	5.37	5.34
Atlantic City	150.59	158.34	159.47	37.0	36.4	37.0	4.07	4.35	4.31
Camden ²	180.95	196.61	198.40	38.5	39.4	39.6	4.70	4.99	5.01
Hackensack ³	195.77	203.15	197.34	40.2	39.6	39.0	4.87	5.13	5.06
Jersey City ³	191.50	207.76	201.96	40.4	39.8	39.6	4.74	5.22	5.10
New Brunswick—Perth Amboy—Sayreville ³	217.46	235.58	234.19	40.8	40.9	40.8	5.33	5.76	5.74
Newark ³	208.83	231.32	228.00	41.6	42.6	42.3	5.02	5.45	5.39
Paterson—Clifton—Passaic ³	198.72	204.19	204.40	41.4	42.1	41.8	4.80	4.85	4.89
Trenton	219.38	246.95	259.64	43.1	44.9	40.2	5.09	5.90	5.62
NEW MEXICO	142.45	171.30	160.74	38.5	42.4	39.3	3.70	4.04	4.09
Albuquerque	148.61	179.65	159.36	38.5	44.8	38.4	3.86	4.01	4.15
NEW YORK	191.49	208.15	208.29	39.0	39.2	39.3	4.91	5.31	5.30
Albany—Schenectady—Troy	201.89	226.73	227.53	39.9	40.2	40.2	5.06	5.64	5.60
Binghamton	192.82	194.65	195.77	41.2	40.3	40.7	4.68	4.83	4.81
Buffalo	238.80	268.86	276.72	40.0	41.3	41.8	5.97	6.51	6.62
Elmira	183.38	201.06	207.48	39.1	39.5	39.9	4.69	5.09	5.20
Monroe County ⁴	240.26	265.21	269.86	41.0	41.7	42.1	5.86	6.36	6.41
Nassau—Suffolk ⁵	188.16	195.61	191.84	39.2	39.2	38.6	4.80	4.99	4.97
New York—Northeastern New Jersey	188.55	201.49	(*)	39.2	39.2	(*)	4.81	5.14	(*)
New York and Nassau—Suffolk ³	176.44	186.75	184.88	37.7	37.5	37.5	4.68	4.98	4.93
New York SMSA ³	174.28	184.39	183.02	37.4	37.1	37.2	4.66	4.97	4.92
New York City ⁴	174.19	182.90	181.18	37.3	36.8	36.9	4.67	4.97	4.91
Poughkeepsie	204.83	225.14	227.04	40.4	42.4	43.0	5.07	5.31	5.28
Rochester	228.22	251.32	255.20	40.9	41.2	41.7	5.58	6.10	6.12
Rockland County ⁶	188.33	207.17	209.58	41.3	41.6	42.0	4.56	4.98	4.99
Syracuse	205.94	228.52	226.85	40.7	41.1	40.8	5.06	5.56	5.56
Utica—Rome	170.56	192.80	192.85	39.3	40.0	39.6	4.34	4.82	4.87
Westchester County ⁶	172.45	196.06	196.83	37.9	38.9	38.9	4.55	5.04	5.06
NORTH CAROLINA	137.86	149.75	150.15	39.5	39.1	39.0	3.49	3.83	3.85
Ashville	137.41	148.13	146.28	39.6	39.5	38.8	3.47	3.75	3.77
Charlotte—Gastonia	140.30	155.50	155.12	40.2	40.6	40.5	3.49	3.83	3.83
Greensboro—Winston-Salem—High Point	148.98	160.58	162.18	39.0	38.6	38.8	3.82	4.16	4.18
Raleigh—Durham	154.05	159.80	170.34	39.5	37.6	39.8	3.90	4.25	4.28
NORTH DAKOTA	177.56	182.60	188.94	39.9	38.2	39.2	4.45	4.78	4.82
Fargo—Moorhead	179.66	203.31	203.49	39.4	40.1	39.9	4.56	5.07	5.10
OHIO	224.47	251.98	253.17	40.3	41.3	41.3	5.57	6.10	6.13
Akron	240.12	242.95	243.90	41.4	40.9	41.2	5.80	5.94	5.92
Canton	221.65	239.62	247.65	39.3	38.9	39.0	5.64	6.16	6.35
Cincinnati	210.48	232.47	228.33	40.4	41.0	40.7	5.21	5.67	5.61
Cleveland	226.80	261.88	266.70	43.0	41.9	42.2	5.67	6.25	6.32
Columbus	208.43	233.69	231.49	39.7	40.5	40.4	5.25	5.77	5.73
Dayton	245.18	270.43	267.27	42.2	43.2	42.9	5.81	6.26	6.23
Toledo	234.19	263.55	266.91	40.8	41.9	42.1	5.74	6.29	6.34
Youngstown—Warren	238.90	279.58	277.77	37.8	39.6	39.4	6.32	7.06	7.05
OKLAHOMA	176.80	191.35	192.63	40.0	40.2	40.3	4.42	4.76	4.78
Oklahoma City	172.66	195.29	194.80	38.8	40.1	40.0	4.45	4.87	4.87
Tulsa	193.03	211.87	213.86	39.8	39.9	40.2	4.85	5.31	5.32
OREGON	215.77	245.12	242.31	38.6	39.6	39.4	5.59	6.19	6.15
Eugene—Springfield	236.01	274.49	265.33	39.8	42.1	41.2	5.93	6.52	6.44
Jackson County	219.79	233.00	247.83	38.9	37.4	39.4	5.65	6.23	6.29
Portland	216.16	231.11	236.68	38.6	38.2	38.8	5.60	6.05	6.10

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P
PENNSYLVANIA	\$193.39	\$211.04	\$213.40	38.6	39.3	39.3	\$5.01	\$5.37	\$5.43
Allentown—Bethlehem—Easton	195.78	207.34	208.05	39.0	38.9	38.6	5.02	5.33	5.39
Altoona	157.83	168.52	164.80	37.4	38.3	37.2	4.22	4.40	4.43
Delaware Valley ⁷	205.53	220.64	221.99	39.0	39.4	39.5	5.27	5.60	5.62
Erie	203.77	212.93	214.12	41.0	40.1	40.4	4.97	5.31	5.30
Harrisburg	180.69	193.20	196.89	39.8	40.0	40.1	4.54	4.83	4.91
Johnstown	209.66	249.08	235.74	36.4	40.9	37.9	5.76	6.09	6.22
Lancaster	172.57	190.35	191.02	39.4	40.5	40.3	4.38	4.70	4.74
Northeast Pennsylvania	142.63	148.01	151.68	36.2	36.1	36.2	3.94	4.10	4.19
Philadelphia SMSA	201.76	217.09	218.83	38.8	39.4	39.5	5.20	5.51	5.54
Pittsburgh	234.43	260.48	259.60	39.4	40.7	40.0	5.95	6.40	6.49
Reading	174.15	183.94	196.21	38.7	38.4	39.8	4.50	4.79	4.93
Scranton ⁸	142.37	145.30	148.51	36.6	35.7	35.7	3.89	4.07	4.16
Wilkes-Barre—Hazleton ⁹	139.20	149.19	152.10	35.6	36.3	36.3	3.91	4.11	4.19
Williamsport	171.38	170.55	179.93	38.6	37.9	39.2	4.44	4.50	4.59
York	183.90	194.81	196.59	41.7	41.1	41.3	4.41	4.74	4.76
RHODE ISLAND	148.61	166.36	162.21	38.5	39.8	38.9	3.86	4.18	4.17
Providence—Warwick—Pawtucket	148.61	167.62	164.27	38.6	40.1	39.3	3.85	4.18	4.18
SOUTH CAROLINA¹	144.23	159.59	160.00	40.4	40.2	40.1	3.57	3.97	3.99
Charleston—North Charleston ²	168.88	181.15	181.04	40.5	40.8	40.5	4.17	4.44	4.47
Columbia ¹	146.20	155.24	152.48	39.3	39.3	38.7	3.72	3.95	3.94
Greenville—Spartanburg ¹	143.87	157.61	162.39	40.3	39.8	40.7	3.57	3.96	3.99
SOUTH DAKOTA	175.98	178.00	173.71	41.9	40.0	37.6	4.20	4.45	4.62
Sioux Falls	219.24	232.68	236.26	42.0	42.0	42.8	5.22	5.54	5.52
TENNESSEE	159.57	170.49	173.40	40.5	40.4	40.8	3.94	4.22	4.23
Chattanooga	172.08	179.34	180.90	40.3	40.3	40.2	4.27	4.45	4.50
Knoxville	177.91	205.84	202.61	39.1	40.6	40.2	4.55	5.07	5.04
Memphis	189.20	192.15	195.20	40.6	39.7	40.0	4.66	4.84	4.88
Nashville—Davidson	165.15	179.44	179.78	39.7	39.7	39.6	4.16	4.52	4.54
TEXAS	188.96	202.86	201.55	40.9	40.9	40.8	4.62	4.96	4.94
Amarillo	164.42	184.16	185.72	40.2	39.1	39.6	4.09	4.71	4.69
Austin	166.84	178.40	178.79	41.4	41.2	41.1	4.03	4.33	4.35
Beaumont—Port Arthur—Orange	252.90	276.11	271.86	40.4	39.9	39.4	6.26	6.92	6.90
Corpus Christi	196.26	218.79	204.37	40.3	39.0	38.2	4.87	5.61	5.35
Dallas—Fort Worth	173.36	185.49	182.80	40.6	40.5	40.0	4.27	4.58	4.57
El Paso	135.47	149.77	152.10	40.2	38.6	39.1	3.37	3.88	3.89
Galveston—Texas City	295.47	347.46	320.46	44.1	45.9	42.0	6.70	7.57	7.63
Houston	227.80	249.05	247.19	42.5	42.5	42.4	5.36	5.86	5.83
Lubbock	143.87	154.66	151.11	40.3	41.8	41.4	3.57	3.70	3.65
San Antonio	143.91	150.44	153.54	41.0	39.8	40.3	3.51	3.78	3.81
Waco	166.04	168.46	175.77	41.1	38.2	40.5	4.04	4.41	4.34
Wichita Falls	161.93	170.93	173.05	39.4	37.9	38.2	4.11	4.51	4.53
UTAH	153.48	161.05	161.07	37.7	38.9	39.0	4.07	4.14	4.13
Salt Lake City—Ogden	155.99	159.95	161.16	38.9	39.3	39.5	4.01	4.07	4.08
VERMONT	164.83	181.66	182.78	40.4	41.1	40.8	4.08	4.42	4.48
Burlington	191.48	218.44	219.30	41.9	43.0	43.0	4.57	5.08	5.10
Springfield	184.06	195.05	189.60	40.1	40.3	40.0	4.59	4.84	4.74
VIRGINIA	159.20	172.77	173.96	39.9	39.9	39.9	3.99	4.33	4.36
Lynchburg	154.04	174.60	186.78	39.7	40.7	41.6	3.88	4.29	4.49
Norfolk—Virginia Beach—Portsmouth	159.18	182.29	177.24	39.4	40.6	39.3	4.04	4.49	4.51
Northern Virginia ¹⁰	206.04	195.23	196.52	40.4	39.6	39.7	5.10	4.93	4.95
Richmond	187.20	190.46	203.01	40.0	38.4	40.2	4.68	4.96	5.05
Roanoke	141.48	157.61	151.70	39.3	39.8	38.6	3.60	3.96	3.93
WASHINGTON	230.89	247.81	252.84	39.2	38.6	39.2	5.89	6.42	6.45
Seattle—Everett	238.20	254.15	256.96	39.7	39.1	39.9	6.00	6.50	6.44
Spokane	205.88	220.82	220.20	38.7	36.2	37.9	5.32	6.10	5.81
Tacoma	225.04	243.96	251.13	38.8	38.0	39.3	5.80	6.42	6.39
WEST VIRGINIA	189.04	213.95	214.73	38.5	38.9	38.9	4.91	5.50	5.52
Charleston	231.84	246.84	248.47	41.4	40.4	40.8	5.60	6.11	6.09
Huntington—Ashland	211.28	236.99	243.79	38.0	40.1	39.9	5.56	5.91	6.11
Parkersburg—Martietta	217.59	241.13	238.14	40.9	40.8	40.5	5.32	5.91	5.88

See footnotes at end of table.

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

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P	AUG. 1975	JULY 1976	AUG. 1976P
WEST VIRGINIA—Continued									
Wheeling	\$214.67	\$226.94	\$221.48	40.2	39.4	39.2	\$5.34	\$5.76	\$5.65
WISCONSIN									
Appleton—Oshkosh	212.18	225.61	226.56	40.5	40.1	40.2	5.24	5.62	5.63
Green Bay	200.89	221.23	217.00	40.9	40.7	40.5	4.91	5.44	5.36
Kenosha	212.90	232.03	234.07	42.0	41.5	42.4	5.07	5.60	5.52
La Crosse	283.85	260.95	263.35	42.3	38.9	38.8	6.72	6.70	6.78
Madison	176.20	186.67	197.55	40.0	40.4	40.1	4.41	4.62	4.93
Milwaukee	229.52	249.16	245.62	40.4	39.8	39.7	5.69	6.27	6.19
Racine	234.67	248.13	251.72	40.3	39.9	40.0	5.82	6.21	6.29
WYOMING	222.56	246.84	250.83	38.9	39.9	40.7	5.72	6.18	6.16
Casper	208.76	232.06	227.45	40.8	41.1	40.1	5.12	5.64	5.67
Cheyenne ¹¹	231.99	280.19	273.24	38.0	42.0	42.8	6.11	6.68	6.39
.....	219.42	252.15	231.89	41.1	41.1	39.4	5.33	6.13	5.89

¹ Based on 1972 Standard Industrial Classification.

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.

¹¹ Revised to 1976 benchmark; not strictly comparable with previously published data.

^p preliminary.

^o Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-1. Labor turnover rates in manufacturing 1965 to date

[Per 100 employees]

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions													
1965	4.3	3.8	3.5	4.0	3.8	4.1	5.6	4.5	5.4	5.5	4.5	3.9	3.1
1966	5.0	4.6	4.2	4.9	4.6	5.1	6.7	5.1	6.4	6.1	5.1	3.9	2.9
1967	4.4	4.3	3.6	3.9	3.9	4.6	5.9	4.7	5.5	5.3	4.7	3.7	2.8
1968	4.6	4.2	3.8	4.0	4.3	4.7	5.9	5.0	5.8	5.7	5.1	3.9	3.1
1969	4.7	4.6	3.9	4.4	4.5	4.8	6.6	5.1	5.6	5.9	4.9	3.6	2.9
1970	4.0	4.0	3.6	3.7	3.7	4.2	5.4	4.4	5.1	4.7	3.8	3.0	2.4
1971	3.9	3.5	3.1	3.5	3.6	4.0	4.9	4.0	5.3	4.8	3.9	3.3	2.5
1972	4.4	4.1	3.7	4.0	4.0	4.9	5.3	4.6	6.0	5.3	4.8	3.6	2.7
1973	4.8	4.6	4.0	4.4	4.5	5.3	5.9	5.1	6.2	5.7	5.2	3.8	2.6
1974	4.2	4.2	3.6	4.0	4.4	5.1	5.4	4.8	5.4	4.9	3.8	2.4	1.8
1975	3.7	3.0	2.7	3.2	3.7	3.9	4.5	4.5	5.1	4.6	3.7	2.8	2.2
1976		3.8	3.5	4.2	3.9	4.4	4.8		5.1 ^P				
New hires													
1965	3.1	2.4	2.4	2.8	2.6	3.0	4.3	3.2	3.9	4.0	3.5	2.9	2.2
1966	3.8	3.2	3.1	3.7	3.6	4.1	5.6	3.9	4.8	4.7	4.2	3.1	2.1
1967	3.3	3.0	2.7	2.8	2.8	3.3	4.6	3.3	4.0	4.1	3.7	2.8	2.0
1968	3.5	3.0	2.7	2.9	3.2	3.6	4.7	3.7	4.3	4.6	4.0	2.9	2.2
1969	3.7	3.3	3.0	3.4	3.5	3.8	5.4	3.9	4.3	4.8	4.0	2.8	2.1
1970	2.8	2.9	2.5	2.6	2.6	2.8	3.9	3.0	3.5	3.4	2.7	1.9	1.4
1971	2.6	2.0	1.9	2.2	2.3	2.7	3.5	2.7	3.4	3.4	2.7	2.2	1.6
1972	3.3	2.6	2.4	2.7	2.9	3.6	4.1	3.4	4.4	4.3	3.8	2.9	2.0
1973	3.9	3.5	3.1	3.5	3.6	4.4	5.0	4.1	5.0	4.7	4.3	3.0	2.0
1974	3.2	3.2	2.7	3.0	3.3	3.9	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	3.0	2.4	1.7	1.3
1976		2.1	2.1	2.6	2.5	3.0	3.6	2.8	3.5 ^P				
Total separations													
1965	4.1	3.7	3.1	3.4	3.7	3.6	3.6	4.3	5.1	5.6	4.5	3.9	4.1
1966	4.6	4.0	3.6	4.1	4.3	4.3	4.4	5.3	5.8	6.6	4.8	4.3	4.2
1967	4.6	4.5	4.0	4.6	4.3	4.2	4.3	4.8	5.3	6.2	4.7	4.0	3.9
1968	4.6	4.4	3.9	4.1	4.1	4.3	4.1	5.0	6.0	6.3	5.0	4.1	3.8
1969	4.9	4.5	4.0	4.4	4.5	4.6	4.6	5.3	6.2	6.6	5.4	4.3	4.2
1970	4.8	4.8	4.3	4.4	4.8	4.6	4.4	5.3	5.6	6.0	5.3	4.3	4.1
1971	4.2	4.2	3.5	3.7	3.9	3.7	3.8	4.8	5.5	5.3	4.3	3.7	3.8
1972	4.2	4.0	3.5	3.8	3.8	3.9	4.2	4.8	5.4	5.3	4.3	3.7	3.7
1973	4.6	4.3	3.7	4.2	4.1	4.4	4.5	5.1	6.5	5.7	4.9	4.2	3.9
1974	4.8	4.9	4.0	4.4	4.2	4.4	4.2	4.9	6.1	5.4	5.0	5.0	5.2
1975	4.2	6.2	4.5	4.2	4.0	3.9	3.6	4.4	4.6	4.3	4.0	3.5	3.4
1976		3.7	3.1	3.5	3.5	3.4	3.5	4.3	4.9 ^P				
Quits													
1965	1.9	1.4	1.3	1.5	1.7	1.7	1.7	1.8	2.6	3.5	2.2	1.7	1.4
1966	2.6	1.9	1.8	2.3	2.5	2.5	2.5	2.5	3.6	4.5	2.8	2.1	1.7
1967	2.3	2.1	1.9	2.1	2.2	2.2	2.3	2.1	3.2	4.0	2.5	1.9	1.5
1968	2.5	2.0	1.9	2.1	2.2	2.4	2.3	2.4	3.8	4.2	2.8	2.1	1.6
1969	2.7	2.3	2.1	2.4	2.6	2.7	2.6	2.7	4.0	4.4	3.0	2.1	1.6
1970	2.1	2.1	1.9	2.0	2.1	2.1	2.1	2.1	3.0	3.3	2.1	1.4	1.2
1971	1.8	1.5	1.3	1.5	1.6	1.7	1.8	1.8	2.8	2.9	2.0	1.5	1.2
1972	2.2	1.7	1.6	1.9	2.0	2.2	2.2	2.2	3.6	3.5	2.5	1.9	1.6
1973	2.7	2.2	2.1	2.5	2.5	2.7	2.8	2.8	4.5	3.9	3.0	2.2	1.6
1974	2.3	2.2	1.9	2.3	2.4	2.6	2.5	2.5	4.0	3.2	2.2	1.4	.9
1975	1.4	1.1	.9	1.0	1.1	1.3	1.3	1.5	2.4	2.0	1.6	1.2	.9
1976		1.3	1.2	1.5	1.6	1.7	1.8	1.8	2.8 ^P				
Layoffs													
1965	1.4	1.6	1.2	1.2	1.3	1.1	1.1	1.8	1.6	1.3	1.4	1.5	1.9
1966	1.2	1.3	1.0	1.0	1.0	.9	1.0	2.0	1.1	1.0	1.1	1.3	1.7
1967	1.4	1.5	1.3	1.5	1.3	1.1	1.1	1.9	1.2	1.2	1.3	1.3	1.6
1968	1.2	1.5	1.2	1.1	1.0	1.0	.9	1.8	1.3	1.1	1.2	1.2	1.4
1969	1.2	1.2	1.0	1.0	.9	.9	.9	1.6	1.1	1.1	1.3	1.3	1.8
1970	1.8	1.7	1.5	1.6	1.7	1.5	1.5	2.3	1.7	1.7	2.2	2.1	2.2
1971	1.6	1.9	1.4	1.4	1.4	1.2	1.2	2.1	1.8	1.5	1.5	1.5	1.8
1972	1.1	1.4	1.1	1.1	1.0	.8	1.1	1.7	.9	.9	.9	1.0	1.3
1973	.9	1.0	.7	.8	.7	.6	.6	1.4	.8	.7	.8	1.1	1.5
1974	1.5	1.7	1.2	1.1	.9	.8	.8	1.4	1.1	1.2	1.8	2.8	3.6
1975	2.1	4.1	2.9	2.5	2.1	1.8	1.5	2.0	1.3	1.4	1.6	1.7	1.9
1976		1.6	1.1	1.1	1.1	.9	.9	1.6	1.2 ^P				

^Ppreliminary.

ESTABLISHMENT DATA LABOR TURNOVER

D-2. Labor turnover rates, by industry

[Per 100 employees]

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		July 1976	Aug. 1976 ^P	July 1976	Aug. 1976 ^P	July 1976	Aug. 1976 ^P	July 1976	Aug. 1976 ^P	July 1976	Aug. 1976 ^P
-	MANUFACTURING	4.2	5.1	2.8	3.5	4.3	4.9	1.8	2.8	1.6	1.2
19,24,25,32-39	DURABLE GOODS	3.5	4.4	2.4	3.0	3.8	4.3	1.5	2.3	1.4	1.0
20-23,26-31	NONDURABLE GOODS	5.2	6.0	3.5	4.3	5.1	5.8	2.3	3.5	1.9	1.4
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	1.9	-	.8	-	1.6	-	.6	-	.6	-
192	Ammunition, except for small arms	2.0	-	.6	-	1.4	-	.4	-	.6	-
24	LUMBER AND WOOD PRODUCTS	5.5	5.9	4.6	5.2	5.3	7.5	3.3	5.1	1.0	1.3
242	Sawmills and planing mills	5.5	-	4.4	-	5.0	-	3.1	-	.9	-
2421	Sawmills and planing mills, general	5.2	-	4.2	-	4.5	-	2.9	-	.7	-
243	Millwork, plywood and related products	5.6	-	4.8	-	5.2	-	3.3	-	.9	-
2431	Millwork	6.3	-	5.5	-	5.7	-	3.7	-	1.0	-
2432	Veneer and plywood	4.1	-	3.5	-	4.3	-	2.6	-	.8	-
244	Wooden containers	7.8	-	6.4	-	11.0	-	5.6	-	4.2	-
2441.2	Wooden boxes, shooks, and crates	7.6	-	6.0	-	9.0	-	5.4	-	2.6	-
249	Miscellaneous wood products	5.4	-	4.4	-	6.1	-	3.8	-	1.1	-
25	FURNITURE AND FIXTURES	5.7	7.5	4.4	6.0	6.4	7.3	3.3	4.8	2.0	1.1
251	Household furniture	6.0	-	4.5	-	6.8	-	3.7	-	2.0	-
2511	Wood household furniture	6.5	-	5.1	-	7.0	-	3.9	-	1.9	-
2512	Upholstered household furniture	5.6	-	4.0	-	6.3	-	3.7	-	1.6	-
2515	Mattresses and bedsprings	4.3	-	3.4	-	5.8	-	2.4	-	2.2	-
252	Office furniture	3.4	-	2.0	-	4.0	-	1.4	-	1.9	-
32	STONE, CLAY, AND GLASS PRODUCTS	4.0	4.3	3.0	3.2	3.5	4.8	1.6	2.8	1.0	1.0
321	Flat glass	2.4	-	1.1	-	2.1	-	.5	-	1.1	-
322	Glass and glassware, pressed or blown	3.3	-	2.5	-	3.1	-	1.2	-	.8	-
3221	Glass containers	3.3	-	2.9	-	2.4	-	1.5	-	.2	-
3229	Pressed and blown glass, nec	3.2	-	1.8	-	4.2	-	.5	-	1.8	-
324	Cement, hydraulic	1.7	-	.8	-	1.3	-	.4	-	.5	-
325	Structural clay products	5.7	-	4.9	-	4.6	-	3.0	-	.5	-
3251	Brick and structural clay tile	8.0	-	7.2	-	6.7	-	4.4	-	.7	-
326	Pottery and related products	2.9	-	2.4	-	3.4	-	1.9	-	.7	-
3291	Abrasive products	2.7	-	2.2	-	1.7	-	.9	-	.2	-
33	PRIMARY METAL INDUSTRIES	2.7	3.1	1.4	1.7	2.5	3.3	.8	1.3	.8	1.0
331	Blast furnace and basic steel products	2.8	-	1.2	-	2.2	-	.4	-	.9	-
3312	Blast furnaces and steel mills	2.8	-	1.2	-	2.1	-	.3	-	.8	-
332	Iron and steel foundries	2.7	-	1.6	-	3.1	-	1.3	-	1.0	-
3321	Gray iron foundries	2.7	-	1.8	-	3.0	-	1.4	-	.8	-
3322	Malleable iron foundries	2.7	-	1.5	-	2.5	-	.8	-	.8	-
3323	Steel foundries	2.9	-	1.2	-	3.5	-	1.1	-	1.5	-
333.4	Nonferrous metals	2.9	-	1.8	-	2.5	-	.9	-	.5	-
335	Nonferrous rolling and drawing	1.8	-	1.0	-	2.0	-	.7	-	.5	-
3351	Copper rolling and drawing	2.8	-	1.9	-	2.0	-	.7	-	.3	-
3352	Aluminum rolling and drawing	1.7	-	.8	-	1.7	-	.6	-	.4	-
3357	Nonferrous wire drawing, and insulating	1.4	-	.7	-	2.1	-	.7	-	.6	-
336	Nonferrous foundries	4.0	-	2.9	-	3.8	-	1.9	-	1.0	-
3361	Aluminum castings	4.5	-	3.2	-	3.7	-	2.0	-	.9	-
3362.9	Other nonferrous castings	3.3	-	2.6	-	3.9	-	1.8	-	1.1	-
339	Miscellaneous primary metal products	2.0	-	1.2	-	2.2	-	.9	-	.5	-
3391	Iron and steel forgings	1.7	-	1.1	-	2.2	-	.9	-	.5	-
34	FABRICATED METAL PRODUCTS	4.2	-	2.9	-	4.0	-	1.8	-	1.4	-
341	Metal cans	4.7	-	1.6	-	5.1	-	.8	-	2.8	-
342	Cutlery, hand tools, and hardware	3.5	-	2.4	-	3.4	-	1.4	-	1.4	-
3421,3.5	Cutlery and hand tools, incl. saws	3.0	-	2.0	-	4.5	-	1.3	-	2.6	-
3429	Hardware, nec	3.9	-	2.8	-	2.6	-	1.4	-	.5	-
343	Plumbing and heating, except electric	3.8	-	2.7	-	3.6	-	1.7	-	1.2	-
3431.2	Sanitary ware and plumbers' brass goods	2.6	-	1.9	-	3.8	-	1.5	-	1.6	-
3433	Heating equipment, except electric	4.8	-	3.4	-	3.4	-	1.9	-	.8	-
344	Fabricated structural metal products	4.3	-	3.2	-	4.0	-	2.0	-	1.1	-
3441	Fabricated structural steel	4.4	-	3.1	-	4.4	-	1.9	-	1.6	-
3443	Fabricated plate work (boiler shops)	2.3	-	1.5	-	2.7	-	1.1	-	.9	-
3446.9	Architectural and misc. metal work	5.7	-	3.9	-	4.4	-	2.5	-	1.1	-
345	Screw machine products, bolts, etc.	3.2	-	2.6	-	3.1	-	1.6	-	.8	-
3452	Bolts, nuts, rivets, and washers	2.8	-	2.2	-	3.0	-	1.2	-	1.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

[Per 100 employees]

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		July 1976	Aug. 1976 ^P	July 1976	Aug. 1976 ^P	July 1976	Aug. 1976 ^P	July 1976	Aug. 1976 ^P	July 1976	Aug. 1976 ^P
	DURABLE GOODS — Continued										
	FABRICATED METAL PRODUCTS — Continued										
346	Metal stampings	4.0	-	2.4	-	4.3	-	1.3	-	2.2	-
348	Miscellaneous fabricated wire products	4.9	-	3.3	-	4.3	-	2.3	-	1.1	-
349	Miscellaneous fabricated metal products	3.2	-	2.4	-	3.3	-	1.6	-	1.0	-
3494,8	Valves, pipe, and pipe fittings	2.8	-	2.2	-	3.1	-	1.4	-	1.0	-
35	MACHINERY, EXCEPT ELECTRICAL	2.6	3.2	1.7	2.2	2.6	3.2	1.0	1.7	.8	0.8
351	Engines and turbines	2.5	-	.7	-	2.2	-	.4	-	.8	-
3511	Steam engines and turbines	1.6	-	1.0	-	1.4	-	.3	-	.1	-
3519	Internal combustion engines, nec	3.1	-	.6	-	2.7	-	.5	-	1.1	-
352	Farm machinery	3.0	-	1.7	-	2.7	-	1.2	-	.6	-
353	Construction and related machinery	2.5	-	1.7	-	2.2	-	1.1	-	.5	-
3531,2	Construction and mining machinery	1.9	-	.8	-	1.6	-	.7	-	.4	-
3533	Oil field machinery	2.9	-	2.5	-	3.0	-	1.8	-	.5	-
3535,6	Conveyors, hoists, cranes, monorails	4.2	-	3.7	-	2.0	-	1.1	-	.2	-
354	Metal working machinery	2.7	-	1.7	-	2.5	-	1.0	-	.8	-
3541	Machine tools, metal cutting types	1.7	-	1.1	-	1.3	-	.7	-	.1	-
3545	Machine tool accessories	2.1	-	1.3	-	2.0	-	.9	-	.5	-
3542,8	Miscellaneous metal working machinery	2.0	-	1.3	-	2.7	-	.9	-	1.3	-
355	Special industry machinery	2.2	-	1.5	-	2.3	-	1.1	-	.7	-
3551	Food products machinery	2.1	-	1.5	-	2.5	-	1.2	-	.8	-
3552	Textile machinery	3.0	-	1.7	-	3.9	-	1.4	-	1.3	-
356	General industrial machinery	2.3	-	1.6	-	2.0	-	.9	-	.4	-
3561	Pumps and compressors	2.0	-	1.3	-	1.7	-	.8	-	.2	-
3562	Ball and roller bearings	1.5	-	1.0	-	1.4	-	.6	-	.2	-
3566	Power transmission equipment	1.7	-	1.1	-	1.5	-	.7	-	.2	-
357	Office and computing machines	2.4	-	1.7	-	2.2	-	.9	-	.3	-
3573	Electronic computing equipment	2.6	-	1.9	-	2.1	-	.9	-	.2	-
358	Service industry machines	3.1	-	2.0	-	3.5	-	1.1	-	1.1	-
3585	Refrigeration machinery	3.2	-	1.9	-	3.9	-	1.1	-	1.4	-
36	ELECTRICAL EQUIPMENT AND SUPPLIES	3.0	-	1.9	-	3.3	-	1.2	-	1.1	-
361	Electric test and distributing equipment	2.8	-	2.0	-	2.6	-	1.3	-	.4	-
3611	Electric measuring instruments	2.8	-	2.1	-	1.9	-	1.2	-	.2	-
3612	Transformers	2.5	-	1.5	-	3.7	-	1.0	-	1.4	-
3613	Switchgear and switchboard apparatus	3.1	-	2.2	-	2.6	-	1.5	-	.1	-
362	Electrical industrial apparatus	2.5	-	1.7	-	2.8	-	1.1	-	.9	-
3621	Motors and generators	2.4	-	1.4	-	3.3	-	1.1	-	1.4	-
3622	Industrial controls	2.7	-	2.0	-	2.1	-	.9	-	.3	-
363	Household appliances	4.2	-	2.0	-	5.5	-	1.5	-	2.6	-
3632	Household refrigerators and freezers	5.7	-	.7	-	12.5	-	.8	-	9.1	-
3633	Household laundry equipment	2.2	-	1.6	-	1.8	-	.7	-	(¹)	-
3634	Electric housewares and fans	4.6	-	3.6	-	4.5	-	2.4	-	1.4	-
364	Electric lighting and wiring equipment	3.6	-	2.4	-	5.0	-	1.4	-	2.5	-
3641	Electric lamps	1.5	-	.8	-	6.8	-	.6	-	4.7	-
3642	Lighting fixtures	4.7	-	3.1	-	6.6	-	1.7	-	3.9	-
3643,4	Wiring devices	3.7	-	2.5	-	3.2	-	1.5	-	.8	-
365	Radio and TV receiving equipment	3.4	-	1.8	-	3.6	-	1.2	-	1.2	-
366	Communication equipment	1.7	-	1.1	-	1.9	-	.7	-	.6	-
3661	Telephone and telegraph apparatus .....	.8	-	.5	-	1.5	-	.3	-	.5	-
3662	Radio and TV communication equipment	2.1	-	1.3	-	2.1	-	.8	-	.6	-
367	Electronic components and accessories	4.1	-	3.0	-	3.7	-	1.8	-	.9	-
3671-3	Electron tubes	1.7	-	1.1	-	2.6	-	.8	-	.8	-
3674,9	Other electronic components	4.4	-	3.2	-	3.8	-	1.9	-	.9	-
369	Miscellaneous electrical equipment and supplies	2.6	-	1.6	-	2.6	-	1.0	-	.8	-
3694	Engine electrical equipment	2.0	-	1.4	-	2.4	-	.9	-	.8	-
37	TRANSPORTATION EQUIPMENT	3.4	-	2.0	-	5.5	-	1.3	-	3.2	-
371	Motor vehicles and equipment	3.2	-	1.6	-	6.9	-	.8	-	5.0	-
3711	Motor vehicles	2.5	-	1.5	-	10.9	-	.8	-	8.6	-
3712	Passenger car bodies	4.1	-	3.5	-	3.1	-	1.9	-	.3	-
3713	Truck and bus bodies	4.1	-	3.5	-	3.1	-	1.9	-	.3	-
3714	Motor vehicle parts and accessories	3.6	-	1.4	-	3.9	-	.7	-	2.4	-
372	Aircraft and parts	1.4	-	.8	-	1.8	-	.5	-	.8	-
3721	Aircraft	1.4	-	.8	-	1.6	-	.5	-	.6	-
3722	Aircraft engines and engine parts	1.1	-	.7	-	1.2	-	.3	-	.3	-
3723,9	Other aircraft parts and equipment	1.9	-	1.2	-	3.4	-	1.0	-	1.8	-
373	Ship and boat building and repairing	5.9	-	3.5	-	6.0	-	2.5	-	2.2	-
3731	Ship building and repairing	6.2	-	3.3	-	6.1	-	2.3	-	2.6	-
374	Railroad equipment	3.6	-	.6	-	4.7	-	.5	-	2.8	-
375,9	Other transportation equipment	6.7	-	6.0	-	8.8	-	4.4	-	2.5	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

[Per 100 employees]

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		July 1976	Aug. 1976 ^P	July 1976	Aug. 1976 ^P	July 1976	Aug. 1976 ^P	July 1976	Aug. 1976 ^P	July 1976	Aug. 1976 ^P
DURABLE GOODS — Continued											
38	INSTRUMENTS AND RELATED PRODUCTS	2.5	3.0	1.9	2.3	2.4	3.4	1.2	2.0	0.6	0.5
381	Engineering and scientific instruments	1.8	-	1.4	-	1.6	-	.9	-	.3	-
382	Mechanical measuring and control devices	2.4	-	1.7	-	2.4	-	1.1	-	.4	-
3821	Mechanical measuring devices	2.2	-	1.7	-	2.0	-	1.0	-	.3	-
3822	Automatic temperature controls	2.7	-	1.7	-	3.1	-	1.4	-	.5	-
383.6	Optical and ophthalmic goods	3.1	-	1.9	-	3.7	-	1.5	-	1.5	-
384	Medical instruments and supplies	3.1	-	2.7	-	3.3	-	1.8	-	.7	-
386	Photographic equipment and supplies	1.9	-	1.7	-	1.4	-	.5	-	.2	-
387	Watches, clocks, and watchcases	3.5	-	2.5	-	3.4	-	1.7	-	1.0	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	6.0	7.0	4.3	5.5	5.8	6.5	2.4	3.8	2.2	1.5
391	Jewelry, silverware, and plated ware	6.5	-	3.1	-	7.3	-	2.0	-	4.4	-
394	Toys and sporting goods	9.1	-	7.1	-	7.3	-	3.2	-	2.6	-
3941-3	Games, toys, dolls and play vehicles	12.7	-	10.4	-	8.1	-	4.0	-	2.1	-
3949	Sporting and athletic goods, nec	4.7	-	3.1	-	6.2	-	2.2	-	3.1	-
395	Pens, pencils, office and art supplies	2.4	-	2.1	-	3.3	-	1.6	-	.7	-
396	Costume jewelry and notions	6.3	-	3.7	-	7.4	-	2.9	-	2.8	-
393.9	Other manufacturing industries	4.1	-	3.2	-	4.3	-	1.9	-	1.2	-
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	8.2	9.5	5.7	6.7	6.4	8.0	2.9	4.7	2.7	2.3
201	Meat products	7.2	-	5.4	-	6.6	-	4.3	-	1.3	-
2011	Meat packing plants	4.6	-	2.7	-	4.2	-	1.9	-	1.6	-
2015	Poultry dressing plants	12.6	-	10.7	-	11.1	-	9.5	-	.4	-
204	Grain mill products	4.1	-	2.7	-	3.1	-	1.7	-	.6	-
2041	Flour and other grain mill products	2.9	-	2.3	-	2.9	-	1.4	-	.9	-
2042	Prepared feeds for animals and fowls	3.6	-	2.9	-	3.6	-	2.2	-	.5	-
205	Bakery products	3.3	-	3.0	-	3.3	-	2.2	-	.4	-
2051	Bread, cake, and related products	3.3	-	3.1	-	3.3	-	2.4	-	.3	-
2052	Cookies and crackers	3.2	-	2.4	-	3.3	-	1.6	-	1.0	-
207	Confectionery and related products	7.2	-	3.3	-	6.3	-	2.0	-	3.4	-
2071	Confectionery products	7.9	-	3.4	-	7.8	-	2.3	-	4.4	-
208	Beverages	5.0	-	3.8	-	4.9	-	2.2	-	1.8	-
2082	Malt liquors	4.4	-	2.0	-	3.6	-	.5	-	2.5	-
21	TOBACCO MANUFACTURES	11.5	-	4.4	-	2.7	-	.8	-	1.3	-
211	Cigarettes .....	.9	-	.2	-	.9	-	.2	-	.2	-
212	Cigars	5.7	-	2.5	-	7.1	-	2.0	-	4.7	-
22	TEXTILE MILL PRODUCTS	4.9	5.7	3.4	4.4	5.7	6.1	3.1	4.1	1.6	.9
221	Weaving mills, cotton	4.3	-	2.9	-	4.7	-	3.0	-	.7	-
222	Weaving mills, synthetics	4.1	-	3.5	-	4.4	-	3.1	-	.3	-
223	Weaving and finishing mills, wool	4.8	-	2.9	-	4.9	-	2.7	-	1.3	-
224	Narrow fabric mills	6.2	-	2.5	-	9.4	-	2.9	-	4.1	-
225	Knitting mills	6.0	-	3.7	-	7.2	-	3.4	-	2.9	-
2251	Women's hosiery, except socks	5.4	-	4.7	-	5.3	-	3.8	-	.6	-
2252	Hosiery, nec	4.0	-	3.3	-	5.2	-	3.9	-	.7	-
2254	Knit underwear mills	4.4	-	3.7	-	4.6	-	3.4	-	.5	-
226	Textile finishing, except wool	3.2	-	1.8	-	4.7	-	1.8	-	2.2	-
227	Floor covering mills	4.3	-	3.2	-	4.1	-	2.4	-	.8	-
228	Yarn and thread mills	6.0	-	4.6	-	6.5	-	4.3	-	1.1	-
229	Miscellaneous textile goods	3.9	-	2.7	-	4.3	-	2.0	-	1.2	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	6.7	7.6	3.7	4.9	8.2	7.2	3.4	4.4	3.8	1.8
231	Men's and boys' suits and coats	6.1	-	2.5	-	7.5	-	2.2	-	4.3	-
232	Men's and boys' furnishings	6.3	-	4.4	-	8.0	-	4.4	-	2.6	-
2321	Men's and boys' shirts and nightwear	6.2	-	4.3	-	8.2	-	4.3	-	2.8	-
2327	Men's and boys' separate trousers	4.2	-	3.5	-	6.2	-	4.0	-	1.4	-
2328	Men's and boys' work clothing	7.7	-	5.6	-	8.0	-	5.3	-	1.7	-
234	Women's and children's undergarments	6.5	-	4.3	-	7.8	-	4.0	-	2.9	-
2341	Women's and children's underwear	7.2	-	4.9	-	8.3	-	4.6	-	2.7	-
2342	Corsets and allied garments	4.4	-	2.4	-	6.4	-	2.0	-	3.6	-
26	PAPER AND ALLIED PRODUCTS	2.7	3.3	2.0	2.4	2.8	4.2	1.2	2.4	.8	1.0
261,2,6	Paper and pulp mills	1.9	-	1.5	-	1.5	-	.7	-	.3	-
263	Paperboard mills	2.2	-	1.8	-	1.7	-	.8	-	.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

[Per 100 employees]

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		July 1976	Aug. 1976 ^p	July 1976	Aug. 1976 ^p	July 1976	Aug. 1976 ^p	July 1976	Aug. 1976 ^p	July 1976	Aug. 1976 ^p
	NONDURABLE GOODS—Continued										
	PAPER AND ALLIED PRODUCTS—Continued										
264	Miscellaneous converted paper products	2.8	-	2.1	-	3.2	-	1.5	-	0.9	-
2643	Bags, except textile bags	3.7	-	3.0	-	4.1	-	2.1	-	1.3	-
265	Paperboard containers and boxes	3.5	-	2.6	-	4.0	-	1.6	-	1.4	-
2651,2	Folding and setup paperboard boxes	4.3	-	2.9	-	5.6	-	1.7	-	2.9	-
2653	Corrugated and solid fiber boxes	2.8	-	2.2	-	3.0	-	1.3	-	.6	-
27	PRINTING AND PUBLISHING	3.2	3.5	2.6	2.9	2.9	3.8	1.7	2.4	.7	0.7
28	CHEMICALS AND ALLIED PRODUCTS	1.9	2.0	1.4	1.5	1.6	2.7	.7	1.5	.3	.5
281	Industrial chemicals	1.6	-	1.2	-	1.1	-	.5	-	.1	-
282	Plastics materials and synthetics	1.4	-	.9	-	1.3	-	.5	-	.2	-
2821	Plastics materials and resins	1.9	-	1.5	-	1.5	-	.6	-	.3	-
2823,4	Synthetic fibers	1.0	-	.4	-	1.1	-	.4	-	.2	-
283	Drugs	1.6	-	1.3	-	1.5	-	.7	-	.2	-
2834	Pharmaceutical preparations	1.8	-	1.4	-	1.4	-	.7	-	.2	-
284	Soap, cleaners, and toilet goods	3.7	-	2.5	-	2.7	-	1.0	-	.8	-
2841	Soap and other detergents	2.7	-	1.0	-	1.9	-	.5	-	.5	-
2844	Toilet preparations	5.1	-	3.8	-	3.7	-	1.3	-	1.1	-
285	Paints and allied products	2.4	-	2.1	-	1.9	-	1.0	-	.2	-
286,9	Other chemical products	2.1	-	1.5	-	2.0	-	.9	-	.5	-
29	PETROLEUM AND COAL PRODUCTS	1.6	2.1	1.4	1.8	2.0	3.1	.7	1.5	.6	.8
291	Petroleum refining	1.1	-	.9	-	1.4	-	.3	-	.4	-
295,9	Other petroleum and coal products	3.5	-	2.9	-	4.0	-	2.0	-	1.1	-
30	RUBBER AND PLASTICS PRODUCTS, NEC	5.0	6.4	3.8	5.1	5.2	6.4	2.6	3.9	1.1	1.2
301	Tires and inner tubes	1.2	-	.8	-	1.2	-	.7	-	.1	-
302,3,6	Other rubber products	3.9	-	3.1	-	3.6	-	1.9	-	.9	-
307	Miscellaneous plastics products	6.1	-	4.7	-	6.6	-	3.3	-	1.4	-
31	LEATHER AND LEATHER PRODUCTS	7.6	8.7	4.5	5.3	10.6	10.1	4.4	5.6	4.8	3.1
311	Leather tanning and finishing	4.2	-	3.1	-	6.1	-	2.3	-	2.8	-
314	Footwear, except rubber	7.5	-	4.8	-	10.8	-	5.1	-	4.3	-
	NONMANUFACTURING										
10	METAL MINING	3.6	3.2	2.4	2.6	3.0	4.1	1.3	2.8	.9	.3
101	Iron ores	2.2	-	1.6	-	1.9	-	.5	-	.5	-
102	Copper ores	4.0	-	1.7	-	2.6	-	.9	-	1.0	-
11,12	COAL MINING	1.7	2.0	1.1	1.5	1.9	2.6	.8	1.3	.4	.6
12	Bituminous coal and lignite mining	1.6	-	1.1	-	1.9	-	.8	-	.4	-
	COMMUNICATION:										
481	Telephone communication	.7	-	-	-	.7	-	.4	-	.1	-
482	Telegraph communication ² **	(*)	-	-	-	(*)	-	(*)	-	(*)	-

¹ Less than 0.05.

² Data relate to all employees except messengers.

p = preliminary.

* = Not available.

** = Data for Telegraph Communication (SIC 482) are: May 1976 - 2.2, 1.3, 1.9, 1.0, and 0.5
June 1976 - 1.6, 1.1, 1.4, 0.7, and 0.4.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED LABOR TURNOVER

D-3. Labor turnover rates in manufacturing, 1965 to date, seasonally adjusted

[Per 100 employees]

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions												
1965	4.1	4.1	4.2	4.1	4.1	4.3	4.2	4.2	4.4	4.5	4.7	4.9
1966	4.9	5.0	5.3	5.0	5.0	5.1	4.9	5.0	5.0	5.0	4.7	4.6
1967	4.5	4.3	4.3	4.3	4.4	4.5	4.4	4.3	4.4	4.4	4.5	4.5
1968	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.7	4.8	4.9	4.8
1969	4.9	4.8	4.9	4.8	4.7	5.0	4.7	4.4	4.7	4.7	4.6	4.5
1970	4.3	4.4	4.0	3.9	4.1	4.1	4.1	3.9	3.9	3.7	3.7	3.9
1971	3.8	3.8	3.7	3.9	3.8	3.8	3.8	4.0	3.9	3.9	4.1	4.2
1972	4.4	4.3	4.4	4.4	4.4	4.2	4.3	4.5	4.5	4.6	4.6	4.7
1973	4.8	4.9	4.9	4.7	4.7	4.8	4.7	4.7	4.8	4.9	4.9	4.5
1974	4.5	4.4	4.4	4.5	4.6	4.4	4.4	4.2	4.0	3.7	3.1	3.1
1975	3.3	3.3	3.4	3.9	3.5	3.5	4.2	4.0	3.7	3.6	3.7	3.8
1976	4.2	4.2	4.4	4.1	3.9	3.8	4.0	3.8 ^P				
New hires												
1965	2.9	3.0	3.1	2.8	2.9	3.0	3.0	3.1	3.1	3.3	3.5	3.7
1966	3.7	3.8	4.1	4.0	4.0	3.9	3.8	3.7	3.7	3.9	3.7	3.6
1967	3.4	3.4	3.2	3.1	3.1	3.3	3.2	3.2	3.3	3.3	3.4	3.5
1968	3.3	3.2	3.4	3.5	3.5	3.4	3.5	3.5	3.6	3.6	3.6	3.7
1969	3.7	3.8	3.9	3.8	3.7	3.9	3.7	3.5	3.7	3.6	3.5	3.5
1970	3.3	3.2	2.9	2.8	2.7	2.8	2.8	2.7	2.6	2.5	2.4	2.4
1971	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.8
1972	3.0	3.0	3.1	3.2	3.2	3.0	3.2	3.3	3.4	3.5	3.7	3.7
1973	3.9	4.2	4.0	3.9	3.9	3.8	3.8	3.8	3.7	3.9	3.9	3.7
1974	3.6	3.5	3.5	3.5	3.5	3.3	3.4	3.2	3.0	2.7	2.2	1.8
1975	1.5	1.6	1.5	1.7	1.8	1.8	2.4	2.4	2.3	2.2	2.3	2.4
1976	2.4	2.7	2.9	2.7	2.7	2.7	2.7	2.6 ^P				
Total separations												
1965	3.8	3.8	3.8	3.9	4.0	4.0	3.9	4.3	4.2	4.2	4.2	4.3
1966	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.8	4.7	4.6	4.7	4.6
1967	4.8	4.8	4.9	4.8	4.6	4.5	4.5	4.3	4.5	4.5	4.4	4.4
1968	4.6	4.5	4.5	4.4	4.5	4.6	4.6	4.8	4.7	4.7	4.5	4.4
1969	4.6	4.8	5.0	4.8	4.9	5.0	4.8	4.9	5.0	4.9	4.9	4.8
1970	4.9	5.2	4.9	5.1	4.9	4.7	4.7	4.5	4.6	4.9	4.9	4.7
1971	4.3	4.2	4.2	4.1	4.1	4.1	4.3	4.4	4.1	4.1	4.2	4.2
1972	4.2	4.0	4.1	4.2	4.2	4.3	4.5	4.2	4.2	4.1	4.1	4.2
1973	4.3	4.4	4.5	4.5	4.7	4.8	4.7	4.9	4.7	4.7	4.5	4.6
1974	4.8	4.7	4.8	4.7	4.6	4.6	4.5	4.6	4.4	4.8	5.6	6.0
1975	5.9	5.3	4.7	4.5	4.1	3.9	4.0	3.6	3.5	3.7	4.0	3.9
1976	3.5	3.5	3.9	3.7	3.8	3.8	3.9	3.8 ^P				
Quits												
1965	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9	2.0	2.0	2.1	2.2
1966	2.3	2.3	2.6	2.6	2.6	2.6	2.6	2.5	2.6	2.6	2.6	2.7
1967	2.5	2.5	2.4	2.4	2.3	2.4	2.2	2.2	2.3	2.3	2.4	2.4
1968	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.6	2.6	2.5	2.6	2.6
1969	2.7	2.7	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6
1970	2.4	2.5	2.3	2.3	2.1	2.2	2.1	2.0	2.0	1.9	1.8	1.9
1971	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9
1972	2.1	2.0	2.1	2.2	2.2	2.2	2.2	2.3	2.2	2.4	2.4	2.6
1973	2.7	2.8	2.8	2.7	2.7	2.7	2.8	2.8	2.6	2.8	2.8	2.7
1974	2.6	2.5	2.6	2.6	2.6	2.5	2.5	2.5	2.1	2.0	1.8	1.5
1975	1.3	1.2	1.1	1.2	1.3	1.3	1.5	1.5	1.3	1.5	1.6	1.5
1976	1.5	1.6	1.7	1.7	1.7	1.8	1.7	1.8 ^P				
Layoffs												
1965	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.6	1.4	1.4	1.4	1.4
1966	1.2	1.1	1.1	1.2	1.1	1.3	1.4	1.2	1.0	1.1	1.2	1.3
1967	1.4	1.5	1.6	1.5	1.4	1.3	1.4	1.3	1.3	1.3	1.2	1.2
1968	1.4	1.3	1.2	1.2	1.2	1.2	1.3	1.4	1.2	1.2	1.1	1.1
1969	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.1	1.2	1.3	1.3	1.4
1970	1.5	1.7	1.8	1.9	1.9	1.9	1.5	1.9	1.9	2.2	2.0	1.7
1971	1.7	1.5	1.5	1.5	1.6	1.6	1.5	2.0	1.7	1.5	1.4	1.3
1972	1.2	1.2	1.1	1.2	1.1	1.4	1.2	1.1	1.0	1.0	.9	.9
1973	.8	.7	.8	.8	.9	.8	1.0	.9	.8	.9	1.0	1.1
1974	1.4	1.2	1.2	1.1	1.1	1.1	1.0	1.3	1.4	2.0	2.5	2.6
1975	3.1	3.0	2.7	2.6	2.6	2.1	1.5	1.5	1.7	1.7	1.6	1.3
1976	1.2	1.1	1.2	1.3	1.3	1.3	1.1	1.5 ^P				

^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		Total		Quits		Layoffs	
	June 1976	July 1976 ^p	June 1976	July 1976 ^p	June 1976	July 1976 ^p	June 1976	July 1976 ^p	June 1976	July 1976 ^p
ALABAMA:										
Birmingham	4.2	2.3	2.2	1.2	3.0	2.9	1.3	1.0	0.9	1.2
Mobile	11.0	7.8	6.1	4.2	6.1	5.1	2.6	2.7	2.2	1.5
ALASKA	33.1	26.1	24.5	22.7	8.9	22.1	5.1	7.0	1.9	14.0
ARIZONA	4.8	4.4	3.7	3.5	3.6	4.7	2.1	2.2	.8	1.6
Phoenix	4.8	4.5	3.6	3.6	3.4	4.3	1.9	2.1	.7	1.4
ARKANSAS	7.5	6.5	6.3	5.5	6.5	6.9	4.6	4.7	.9	1.2
Fort Smith	7.4	10.8	5.9	7.6	11.6	10.5	4.9	5.7	4.9	2.8
Little Rock—North Little Rock	5.9	4.6	5.0	3.8	5.4	5.8	3.5	3.5	.7	1.4
Pine Bluff	6.5	7.6	4.9	7.2	3.7	4.5	3.1	2.8	.3	1.3
COLORADO	5.5	4.2	4.4	3.3	3.8	4.1	2.2	2.3	.7	.8
Denver—Boulder	5.3	3.6	4.4	3.0	3.9	4.8	2.3	2.1	.7	.7
CONNECTICUT	3.0	2.1	2.1	1.4	2.0	2.0	.9	.9	.4	.4
Hartford	2.3	1.3	1.7	.9	1.6	1.6	.7	.8	.3	.4
DELAWARE ¹	3.3	2.1	2.1	1.2	2.0	4.8	.8	.8	.5	3.3
Wilmington ¹	3.3	2.1	2.0	1.2	1.7	4.6	.7	.6	.3	3.3
DISTRICT OF COLUMBIA:										
Washington SMSA	2.4	1.6	2.1	1.5	1.8	1.7	.9	1.0	.3	.3
FLORIDA	5.5	4.4	4.4	3.6	5.9	5.0	2.5	2.4	2.3	1.6
Fort Lauderdale—Hollywood	6.0	5.6	5.6	5.2	5.3	4.8	3.3	3.2	.5	.5
Jacksonville	8.0	3.2	4.0	2.7	4.4	4.7	1.9	2.5	1.2	1.2
Miami	5.5	4.4	5.0	3.7	4.7	4.6	2.4	2.4	1.5	1.4
Orlando	4.2	3.0	3.6	2.3	5.3	7.0	2.4	1.7	1.8	4.5
Pensacola	2.8	1.5	2.6	1.2	2.7	1.4	1.0	.6	.9	.5
Tampa—St. Petersburg	5.3	5.1	4.2	4.0	6.3	5.2	2.8	2.8	2.5	1.3
West Palm Beach—Boca Raton	3.5	2.8	2.7	2.6	2.4	3.3	1.3	1.9	.6	.7
GEORGIA	5.2	4.4	4.2	3.5	4.0	4.3	2.6	2.9	.5	.5
Atlanta ²	4.9	3.5	3.8	2.7	2.8	3.1	1.7	1.8	.3	.5
HAWAII ³	2.2	2.1	1.6	1.1	2.5	2.1	1.0	1.1	.5	.6
IDAHO ^{4 5}	8.3	(*)	5.8	(*)	5.4	(*)	3.7	(*)	.3	(*)
ILLINOIS:										
Chicago SMSA	4.3	3.0	3.3	2.3	3.0	3.0	1.6	1.5	.4	.4
INDIANA	3.6	2.8	2.5	2.0	2.9	3.3	1.2	1.3	.8	1.0
Indianapolis ⁶	3.6	2.7	2.5	1.8	2.4	2.4	1.0	1.1	.3	.3
IOWA	4.9	(*)	3.8	(*)	3.0	(*)	1.9	(*)	.5	(*)
Cedar Rapids	4.0	(*)	3.0	(*)	1.8	(*)	1.1	(*)	.2	(*)
Des Moines	4.2	(*)	2.9	(*)	2.7	(*)	1.9	(*)	.2	(*)
KANSAS	5.6	3.9	4.9	3.3	4.3	7.3	2.9	3.1	.4	3.3
Topeka	5.3	3.5	4.2	2.5	5.6	5.7	2.0	2.3	2.9	2.6
Wichita	4.6	4.0	4.0	3.7	4.0	4.3	2.6	2.8	.3	.6
KENTUCKY	4.1	4.5	2.9	2.8	3.6	4.0	1.5	1.8	1.2	1.1
Louisville	2.9	3.1	1.7	2.0	2.2	2.3	.7	.9	.3	.3
LOUISIANA										
New Orleans	3.6	4.1	3.1	3.5	3.7	3.6	2.2	2.1	.4	.3
MAINE	9.1	6.2	6.9	4.4	6.3	6.0	3.8	3.5	1.6	1.5
Portland	4.6	2.8	4.1	2.5	4.2	4.0	2.4	2.5	.9	.6
MARYLAND	4.2	3.4	2.9	2.3	2.9	3.1	1.2	1.2	.9	1.2
Baltimore	3.7	3.0	2.6	1.9	2.8	2.7	1.1	1.0	.9	1.0
MASSACHUSETTS	4.1	4.5	3.1	2.1	3.0	5.1	1.5	1.4	.8	2.8
Boston	3.7	3.0	2.8	2.0	2.7	3.9	1.3	1.3	.8	1.9
MICHIGAN	4.2	2.9	2.8	1.8	3.1	4.8	1.0	.9	1.2	3.1
Detroit	4.5	2.9	3.2	2.1	2.8	6.7	1.1	1.0	.7	4.8
Flint	2.4	2.8	1.6	1.3	1.9	1.7	.4	.4	.6	.5
Grand Rapids	4.8	4.9	2.3	2.0	5.2	5.7	1.0	1.3	2.6	3.1
Lansing—East Lansing	2.9	(*)	2.1	(*)	4.4	(*)	1.3	(*)	1.8	(*)

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		Total		Quits		Layoffs	
	June 1976	July 1976 ^P	June 1976	July 1976 ^P	June 1976	July 1976 ^P	June 1976	July 1976 ^P	June 1976	July 1976 ^P
MINNESOTA	6.0	3.5	4.9	2.8	2.8	3.3	1.6	1.6	0.6	1.1
Minneapolis—St. Paul	4.3	2.5	3.5	2.0	2.5	2.7	1.4	1.2	.6	.7
MISSISSIPPI:										
Jackson	3.5	4.5	2.7	3.5	3.8	3.9	1.8	2.3	1.2	.7
MISSOURI	4.3	3.4	3.3	2.6	3.3	3.4	1.7	1.9	.8	.7
Kansas City	4.3	3.0	3.3	2.3	3.2	6.6	1.6	1.7	.8	3.9
St. Louis	3.4	2.5	2.2	1.8	2.7	2.3	1.0	1.1	1.0	.5
MONTANA	5.4	3.7	4.7	3.3	2.6	3.4	1.4	1.5	.5	1.1
NEBRASKA	5.3	4.5	4.5	3.7	4.9	4.0	2.8	2.9	1.3	.4
NEVADA	9.7	6.8	8.9	6.4	7.8	7.9	4.7	5.3	1.6	1.2
NEW HAMPSHIRE	5.0	3.1	4.4	2.7	3.6	3.9	2.6	2.7	.3	.5
NEW JERSEY:										
Camden ⁷	3.4	3.7	2.2	2.3	2.6	3.3	.7	1.2	1.0	1.3
Hackensack	3.4	4.0	2.8	2.6	2.9	6.6	1.3	1.4	.8	3.9
Jersey City	4.5	4.3	3.2	2.3	5.2	6.4	1.2	1.1	2.9	4.3
Newark	4.4	3.3	3.4	1.7	2.9	5.7	1.2	1.0	1.0	3.2
New Brunswick—Perth Amboy—Sayreville	4.5	4.5	3.7	2.9	3.2	5.4	1.0	1.1	1.0	3.1
Paterson—Clifton—Passaic	5.6	4.1	3.4	2.3	2.9	6.1	1.2	1.4	.8	3.6
Trenton	2.9	2.9	2.2	2.2	2.1	2.9	.9	.8	.3	1.2
NEW YORK	4.3	4.8	2.8	2.4	3.6	5.5	1.1	1.2	1.8	3.6
Albany—Schenectady—Troy	3.3	2.7	2.2	1.7	2.2	3.5	.8	.8	.6	1.8
Binghamton	3.0	2.1	2.5	1.5	1.6	5.5	.9	.8	.3	4.1
Buffalo	3.6	6.2	1.9	1.7	2.2	6.6	.6	.5	.9	5.3
Elmira	3.3	2.6	2.4	1.3	2.2	2.4	.6	.5	.6	.9
Monroe County ⁸	4.0	2.3	3.5	1.9	1.4	2.1	.7	.6	.2	.9
Nassau—Suffolk ⁹	4.7	4.7	3.8	2.9	5.0	5.6	1.8	1.7	2.3	3.0
New York and Nassau—Suffolk	4.8	5.4	3.1	2.7	4.8	6.5	1.3	1.4	2.7	4.1
New York SMSA ⁹	4.9	5.6	2.9	2.6	4.7	6.7	1.2	1.4	2.8	4.3
New York City ¹⁰	5.1	6.0	3.0	2.7	5.0	7.1	1.2	1.4	3.0	4.7
Rochester	4.1	3.4	3.5	2.6	1.6	2.4	.7	.7	.3	1.1
Syracuse	3.6	2.9	2.3	1.5	2.0	3.0	.8	.9	.6	1.4
Utica—Rome	3.0	3.7	1.8	1.2	2.3	4.5	.7	.8	1.2	3.3
Westchester County ¹⁰	2.9	3.1	2.2	1.9	2.7	3.8	.8	1.1	1.1	1.6
NORTH CAROLINA	4.9	4.7	4.2	3.7	4.2	4.3	2.8	3.2	.4	.3
Charlotte—Gastonia	4.4	4.7	3.9	4.1	4.4	4.5	2.9	3.3	.6	.1
Greensboro—Winston-Salem—High Point	5.3	3.7	4.5	3.1	3.8	3.9	2.6	2.9	.3	.2
NORTH DAKOTA	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Fargo—Moorhead	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
OHIO	3.7	2.5	2.4	1.5	2.5	2.4	.8	.9	.9	.7
Akron	2.1	1.7	1.3	1.0	2.3	1.6	.7	.5	1.2	.8
Canton	4.3	2.7	1.5	1.6	2.5	2.0	.9	.7	.6	.4
Cincinnati	3.4	2.3	2.6	1.7	1.8	2.3	.8	1.0	.3	.6
Cleveland	3.8	2.5	2.7	1.6	2.8	1.9	1.0	.9	1.0	.3
Columbus	3.3	2.1	2.5	1.5	2.2	2.0	.8	1.0	.6	.4
Dayton	2.9	2.4	1.9	1.1	1.7	2.5	.7	.8	.3	.3
Toledo	3.9	2.0	2.5	1.1	2.4	2.4	.9	.8	.6	.8
Youngstown—Warren	3.7	2.5	1.5	1.0	3.1	2.5	.4	.4	1.5	1.0
OKLAHOMA	5.8	5.2	5.2	4.5	5.3	5.4	3.8	4.0	.6	.5
Oklahoma City	5.6	5.1	4.8	4.3	5.0	5.2	3.1	3.6	.9	.6
Tulsa ¹¹	5.7	4.7	5.1	4.0	4.5	4.8	3.2	3.2	.4	.6
OREGON ¹	7.1	5.3	5.6	4.3	3.9	4.1	2.4	2.3	.6	.8
Portland ¹	6.4	5.4	5.0	4.1	3.8	3.9	2.1	2.0	.9	1.0
PENNSYLVANIA	4.1	3.4	2.3	1.4	2.8	3.9	.9	.9	1.2	2.3
Allentown—Bethlehem—Easton	4.2	3.6	2.0	1.1	2.6	4.8	.9	.7	1.1	3.6
Altoona	5.0	3.0	2.8	2.2	3.3	2.9	2.1	2.0	.6	.3
Erie	3.8	3.0	1.4	1.0	2.7	3.1	.8	.7	1.0	1.6
Harrisburg	4.9	5.3	2.5	2.8	3.1	3.5	1.4	1.8	1.2	1.2
Johnstown	3.4	2.8	1.2	1.2	2.1	6.4	.7	1.0	1.0	4.3
Lancaster	4.7	2.4	3.5	1.7	2.2	2.6	1.4	1.4	.3	.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		Total		Quits		Layoffs	
	June 1976	July 1976 ^p	June 1976	July 1976 ^p	June 1976	July 1976 ^p	June 1976	July 1976 ^p	June 1976	July 1976 ^p
PENNSYLVANIA—Continued										
Northeast Pennsylvania	4.4	6.8	2.0	1.4	5.6	8.3	1.3	1.1	3.7	6.7
Philadelphia SMSA	3.5	3.0	2.4	1.6	2.6	3.1	.9	.9	1.0	1.5
Pittsburgh	4.2	3.3	1.8	1.0	2.4	3.2	.4	.5	1.2	1.8
Reading	4.5	4.3	2.7	1.9	3.1	4.9	1.1	1.3	1.3	2.8
Scranton ¹²	5.6	8.2	2.6	1.2	6.0	8.8	1.9	1.2	3.7	7.1
Wilkes-Barre—Hazleton ¹²	3.7	5.2	1.6	1.5	5.4	7.1	1.1	1.1	3.5	5.4
Williamsport	2.6	3.4	1.7	1.0	1.8	4.0	.8	.8	.4	2.6
York	4.8	3.8	3.1	2.0	3.8	5.4	1.5	1.6	1.5	3.2
RHODE ISLAND										
Providence—Warwick—Pawtucket	5.5	5.9	4.3	3.3	4.4	6.6	2.3	2.4	1.0	2.4
.....	5.3	6.4	4.2	3.3	4.5	6.2	2.2	2.3	1.2	2.7
SOUTH CAROLINA:										
Greenville—Spartanburg ⁵	5.6	4.8	5.1	4.5	5.0	4.7	3.5	3.3	.2	.3
SOUTH DAKOTA										
Sioux Falls	6.4	5.5	5.1	4.0	4.3	4.7	2.7	2.9	1.1	.8
.....	4.1	6.3	2.9	3.5	4.6	2.7	1.6	1.5	2.9	.7
TENNESSEE:										
Memphis	4.5	4.7	3.4	3.1	3.4	4.0	1.7	2.1	.7	.9
TEXAS:										
Dallas—Fort Worth	5.2	4.7	4.6	4.3	4.4	4.7	2.9	3.1	.4	.5
Houston	4.8	4.5	4.5	4.2	4.0	3.9	2.6	2.7	.5	.4
San Antonio	5.7	4.8	5.3	4.3	4.8	4.1	3.5	3.1	.3	.3
UTAH⁴										
Salt Lake City—Ogden ⁴	6.6	5.0	5.7	4.1	4.8	4.3	3.3	3.1	.6	.3
.....	6.4	4.7	5.6	4.0	5.0	4.3	3.4	3.1	.6	.2
VERMONT										
Burlington	4.1	5.7	2.4	1.9	2.8	6.1	1.3	1.4	.8	3.3
Springfield	2.9	1.8	1.2	.9	1.9	1.5	.9	.8	.7	.2
.....	2.8	2.7	1.6	1.3	2.2	8.3	.8	.8	.3	2.1
VIRGINIA										
Richmond	4.1	3.4	3.4	2.3	3.2	3.2	2.0	1.9	.3	.4
.....	3.6	2.9	2.5	1.8	2.4	2.0	1.2	1.2	.3	.1
WASHINGTON:										
Seattle—Everett ¹³	4.6	3.9	3.0	2.3	3.4	3.7	1.5	1.2	1.3	1.8
WISCONSIN										
Milwaukee	4.8	4.1	3.4	2.5	2.7	4.4	1.1	1.3	.8	2.4
.....	3.9	3.1	2.6	1.7	2.5	3.8	1.0	1.0	.5	1.8
WYOMING										
.....	7.4	6.4	5.8	5.2	3.4	6.2	2.7	3.5	.1	.7

¹ Excludes canning and preserving.
² Excludes agricultural chemicals, and miscellaneous manufacturing.
³ Excludes canned fruits, vegetables, preserves, jams, and jellies.
⁴ Excludes canning and preserving, and sugar.
⁵ Based on the 1972 Standard Industrial Classification.
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 rate for transportation equipment.
¹² Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.
¹³ Excludes canning and preserving, printing and publishing.
^p Not available.
^p preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force		Unemployment			
			Number		Percent of labor force	
	JUL. 1976	AUG. 1976	JUL. 1976	AUG. 1976	JUL. 1976	AUG. 1976
ALABAMA	1,482.0	1,475.3	104.0	97.5	7.0	6.6
Birmingham	352.6	349.3	25.1	22.9	7.1	6.6
Huntsville	122.2	122.4	9.0	8.5	7.4	6.9
Mobile	164.1	163.6	11.0	10.7	6.7	6.5
Montgomery	104.2	103.3	6.0	5.6	5.8	5.4
Tuscaloosa	49.7	50.0	2.6	2.6	5.2	5.2
ALASKA	212.6	211.6	16.6	16.5	7.8	7.8
ARIZONA	867.2	856.0	67.6	61.0	7.8	7.1
Phoenix	503.6	497.1	39.1	35.3	7.8	7.1
Tucson	165.8	163.3	10.5	9.8	6.3	6.0
ARKANSAS	857.2	856.3	51.7	47.9	6.0	5.6
Fayetteville-Springdale	60.3	60.4	2.9	2.5	4.8	4.1
Fort Smith ¹	75.0	73.9	5.5	5.1	7.4	6.9
Little Rock-North Little Rock	160.6	160.2	7.8	6.8	4.9	4.3
Pine Bluff	32.0	31.7	2.7	2.3	8.3	7.2
CALIFORNIA	9,568.2	9,562.8	921.5	876.9	9.6	9.2
Anaheim-Santa Ana-Garden Grove	817.3	818.6	56.4	54.5	6.9	6.7
Bakersfield	152.0	150.0	12.8	12.8	8.4	8.5
Fresno	219.1	225.7	16.8	16.7	7.7	7.4
Los Angeles-Long Beach	3,242.5	3,230.6	298.5	292.0	9.2	9.0
Modesto	107.4	110.4	15.6	10.1	14.5	9.1
Oxnard-Simi Valley-Ventura	177.1	174.7	15.5	15.4	8.8	8.8
Riverside-San Bernardino-Ontario	489.1	483.9	48.4	46.7	9.9	9.7
Sacramento	383.7	384.8	38.3	33.8	10.0	8.8
Salinas-Seaside-Monterey	104.7	104.0	8.3	8.3	7.9	8.0
San Diego	632.4	631.4	72.7	71.4	11.5	11.3
San Francisco-Oakland	1,489.4	1,485.7	171.9	163.6	11.5	11.0
San Jose	599.4	601.2	50.2	44.8	8.4	7.5
Santa Barbara-Santa Maria-Lompoc	118.6	117.7	8.9	8.8	7.5	7.5
Santa Rosa	101.8	102.1	11.0	10.6	10.8	10.4
Stockton	134.3	137.3	14.4	10.1	10.7	7.4
Vallejo-Fairfield-Napa	103.2	103.5	7.7	7.9	7.5	7.6
COLORADO	1,206.4	1,188.9	75.2	67.7	6.2	5.7
Denver-Boulder	701.8	693.7	49.2	46.2	7.0	6.7
CONNECTICUT	1,479.1	1,475.8	140.0	139.8	9.5	9.5
Bridgeport	182.5	183.8	19.3	19.7	10.6	10.7
Hartford	348.8	346.2	30.8	30.8	8.8	8.9
New Britain	71.0	68.6	8.0	7.7	11.3	11.2
New Haven-West Haven	197.4	197.4	19.3	20.1	9.8	10.2
Stamford	107.6	108.8	7.2	7.8	6.7	7.1
Waterbury	108.5	107.4	12.2	11.3	11.3	10.5
DELAWARE	254.2	252.3	20.0	20.2	7.9	8.0
Wilmington ¹	226.7	226.7	19.3	19.7	8.5	8.7
DISTRICT OF COLUMBIA	353.1	351.0	27.0	25.9	7.7	7.4
Washington SMSA ¹	1,486.0	1,478.3	82.1	78.7	5.5	5.3
FLORIDA	3,344.3	3,297.7	340.2	331.3	10.2	10.0
Fort Lauderdale-Hollywood	321.4	316.0	40.3	37.4	12.5	11.8
Jacksonville	287.4	285.7	20.7	20.1	7.2	7.0
Miami	682.0	667.2	71.3	68.9	10.5	10.3
Orlando	256.9	256.1	26.2	25.8	10.2	10.1
Pensacola	100.9	100.2	6.9	6.4	6.8	6.4
Tampa-St. Petersburg	520.8	514.7	53.0	50.9	10.2	9.9
West Palm Beach-Boca Raton	175.3	175.7	21.3	21.6	12.1	12.3
GEORGIA	2,099.5	2,117.6	138.7	134.9	6.6	6.4
Atlanta	795.3	791.7	56.7	56.2	7.1	7.1
Augusta ¹	119.5	119.2	8.3	7.8	6.9	6.5
Columbus ¹	87.5	87.2	6.0	5.7	6.9	6.5
Macon	97.3	97.3	7.7	7.5	7.9	7.7
Savannah	80.0	79.6	5.4	4.9	6.8	6.1

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force		Unemployment			
			Number		Percent of labor force	
	JUL. 1976	AUG. 1976	JUL. 1976	AUG. 1976	JUL. 1976	AUG. 1976
HAWAII	374.1	373.6	32.7	33.5	8.7	9.0
Honolulu	297.9	298.1	25.2	26.5	8.4	8.9
IDAHO	382.3	382.8	23.8	22.6	6.2	5.9
Boise City	73.2	72.4	2.7	2.6	3.7	3.6
ILLINOIS	5,119.3	5,091.2	363.3	347.4	7.1	6.8
Bloomington—Normal	56.1	N.A.	2.9	N.A.	5.1	N.A.
Champaign—Urbana—Rantoul	71.3	N.A.	3.4	N.A.	4.8	N.A.
Chicago	3,208.1	3,207.6	236.8	225.1	7.4	7.0
Davenport—Rock Island—Moline ¹	175.3	N.A.	11.3	N.A.	6.5	N.A.
Decatur	57.1	N.A.	4.7	N.A.	8.2	N.A.
Peoria	163.6	N.A.	8.2	N.A.	5.0	N.A.
Rockford	129.6	N.A.	10.1	N.A.	7.8	N.A.
Springfield	87.9	N.A.	4.5	N.A.	5.1	N.A.
INDIANA	2,400.7	2,385.6	125.1	113.3	5.2	4.7
Evansville ¹	124.6	122.3	6.6	5.7	5.3	4.7
Fort Wayne	173.9	173.0	9.0	7.8	5.2	4.5
Gary—Hammond—East Chicago	281.8	279.4	16.7	14.8	5.9	5.3
Indianapolis	523.6	522.8	23.1	21.0	4.4	4.0
Muncie	52.6	53.0	2.9	2.7	5.5	5.2
South Bend	131.1	129.1	6.7	5.5	5.1	4.3
Terre Haute	76.8	75.6	4.0	3.7	5.2	4.9
IOWA	1,364.4	1,333.6	67.2	57.7	4.9	4.3
Cedar Rapids	77.4	76.7	3.2	2.7	4.2	3.5
Des Moines	162.9	161.9	9.8	8.4	6.0	5.2
Dubuque	41.0	40.6	2.8	2.5	6.8	6.2
Sioux City ¹	56.4	54.8	3.2	2.1	5.6	3.9
Waterloo—Cedar Falls	60.4	60.8	4.3	4.4	7.2	7.2
KANSAS	1,097.5	1,065.7	47.4	43.0	4.3	4.0
Topeka	84.3	83.2	3.8	3.7	4.6	4.4
Wichita	188.5	183.4	10.2	9.7	5.4	5.3
KENTUCKY	1,427.2	1,436.5	84.0	84.2	5.9	5.9
Lexington—Fayette	141.3	143.2	4.8	4.7	3.4	3.3
Louisville ¹	392.1	393.9	28.1	28.7	7.2	7.3
LOUISIANA	1,450.4	1,455.5	117.6	111.6	8.1	7.7
Baton Rouge	178.5	177.4	12.4	12.2	7.0	6.9
Lake Charles	57.5	57.4	5.2	5.0	9.1	8.8
Monroe	47.5	47.1	4.2	3.9	8.7	8.3
New Orleans	428.5	430.1	36.9	36.4	8.6	8.5
Shreveport	141.6	140.7	11.7	10.6	8.3	7.5
MAINE	452.6	451.0	40.3	32.9	8.9	7.3
Lewiston—Auburn	34.8	33.3	4.7	2.1	13.5	6.3
Portland	77.6	78.5	6.3	5.7	8.1	7.3
MARYLAND	1,881.2	1,865.1	115.9	107.9	6.2	5.8
Baltimore	950.4	940.8	66.8	61.7	7.0	6.6
MASSACHUSETTS	2,698.7	2,660.4	223.4	192.0	8.3	7.2
Boston	1,311.1	1,301.2	107.9	95.9	8.2	7.4
Brockton	74.5	72.5	6.7	5.6	9.0	7.8
Fall River ¹	69.3	68.8	5.8	4.5	8.4	6.6
Lawrence—Haverhill ¹	125.9	122.6	14.3	11.7	11.4	9.5
Lowell ¹	102.7	100.7	9.5	7.8	9.3	7.8
New Bedford	74.9	74.6	7.0	5.5	9.3	7.4
Springfield—Chicopee—Holyoke ¹	260.7	251.7	19.7	17.0	7.6	6.7
Worcester	181.6	177.1	14.3	12.1	7.9	6.8
MICHIGAN	3,853.8	3,868.5	409.2	364.5	10.6	9.4
Ann Arbor	119.6	119.9	10.4	9.8	8.7	8.1
Battle Creek	80.7	80.5	8.0	7.4	9.9	9.2
Bay City	50.3	50.0	5.0	4.5	10.0	9.0
Detroit	1,810.8	1,832.9	202.1	184.4	11.2	10.1
Flint	202.0	202.2	24.2	18.0	12.0	8.9

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force		Unemployment			
			Number		Percent of labor force	
	JUL. 1976	AUG. 1976	JUL. 1976	AUG. 1976	JUL. 1976	AUG. 1976
MICHIGAN—Continued						
Grand Rapids	257.4	257.0	21.1	18.7	8.2	7.3
Jackson	64.3	64.3	6.0	5.8	9.3	9.0
Kalamazoo—Portage	123.1	122.5	9.8	8.8	7.9	7.2
Lansing—East Lansing	201.3	201.4	23.2	16.3	11.5	8.1
Muskegon—Norton Shores—Muskegon Heights	75.8	74.5	7.1	6.6	9.4	8.9
Saginaw	97.4	96.9	9.0	8.4	9.2	8.6
MINNESOTA	1,893.3	1,846.2	94.1	82.7	5.0	4.5
Duluth—Superior	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Minneapolis—St. Paul	985.3	976.7	57.2	52.4	5.8	5.4
MISSISSIPPI	924.6	917.4	57.1	52.1	6.2	5.7
Jackson	127.8	127.8	6.6	6.5	5.2	5.1
MISSOURI	2,090.0	2,043.3	112.6	100.1	5.4	4.9
Kansas City ¹	616.5	607.3	37.6	37.0	6.1	6.1
St. Joseph	43.7	43.9	1.8	1.6	4.2	3.7
St. Louis ¹	1,009.3	999.4	69.3	64.9	6.9	6.5
Springfield	88.0	89.2	3.1	2.8	3.5	3.1
MONTANA	335.2	340.1	22.4	20.6	6.7	6.1
Billings	49.6	49.9	2.8	2.4	5.7	4.9
Great Falls	33.5	34.1	2.5	2.2	7.4	6.5
NEBRASKA	729.4	713.2	34.9	31.3	4.8	4.4
Lincoln	98.1	97.8	3.7	3.6	3.8	3.7
Omaha ¹	256.5	252.8	19.5	18.4	7.6	7.3
NEVADA	306.2	306.6	24.2	23.2	7.9	7.6
Las Vegas	162.0	162.5	15.0	14.5	9.2	8.9
Reno	83.1	83.0	4.7	4.3	5.7	5.2
NEW HAMPSHIRE	388.0	386.1	18.5	13.5	4.8	3.5
Manchester	63.6	63.0	4.1	2.6	6.4	4.1
NEW JERSEY	3,242.5	3,242.9	289.8	280.1	8.9	8.6
Atlantic City	82.5	84.3	7.2	6.7	8.7	7.9
Jersey City	247.1	250.6	29.2	28.9	11.8	11.5
Long Branch—Asbury Park	211.5	213.5	16.7	15.9	7.9	7.4
Newark	896.6	887.4	75.0	74.0	8.4	8.3
New Brunswick—Perth Amboy—Sayreville	273.6	275.8	25.2	24.2	9.2	8.8
Paterson—Clifton—Passaic	195.3	193.6	20.6	19.6	10.6	10.1
Trenton	148.3	150.1	9.7	10.0	6.5	6.7
Vineland—Millville—Bridgeton	54.5	55.4	6.3	5.6	11.6	10.1
NEW MEXICO	460.3	457.1	31.0	29.2	6.7	6.4
Albuquerque	169.8	169.3	12.3	11.5	7.2	6.8
NEW YORK	7,659.4	7,590.9	717.2	664.9	9.4	8.8
Albany—Schenectady—Troy	348.3	348.4	26.1	25.0	7.5	7.2
Binghamton ¹	125.9	126.4	9.6	7.9	7.7	6.3
Buffalo	567.4	563.5	59.1	55.8	10.4	9.9
Elmira	40.8	40.5	3.2	3.2	7.8	7.9
Nesau—Suffolk	1,147.8	1,136.9	91.9	83.8	8.0	7.4
New York	3,572.3	3,522.7	368.4	341.6	10.3	9.7
Poughkeepsie	95.7	95.6	5.9	5.7	6.2	6.0
Rochester	456.8	456.1	34.1	32.5	7.5	7.1
Syracuse	282.2	281.7	24.9	22.9	8.8	8.1
Utica—Rome	129.6	128.0	13.7	12.3	10.6	9.6
NORTH CAROLINA	2,532.7	2,507.3	169.5	147.4	6.7	5.9
Asheville	79.9	78.7	4.3	4.1	5.4	5.2
Charlotte—Gastonia	300.2	297.9	17.0	16.0	5.7	5.4
Greensboro—Winston-Salem—High Point	385.8	381.6	24.1	21.0	6.2	5.5
Raleigh—Durham	241.8	242.3	10.7	11.1	4.4	4.6
NORTH DAKOTA	318.5	310.0	13.7	13.2	4.3	4.2
Fargo—Moorhead ¹	67.5	66.2	7.6	2.5	3.8	3.8

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force		Unemployment			
			Number		Percent of labor force	
	JUL. 1976	AUG. 1976	JUL. 1976	AUG. 1976	JUL. 1976	AUG. 1976
OHIO	4,714.3	4,671.7	331.1	298.0	7.0	6.4
Akron	287.0	283.3	22.5	20.7	7.8	7.3
Canton	180.2	177.4	13.9	12.2	7.7	6.9
Cincinnati ¹	612.0	603.4	46.3	41.4	7.6	6.9
Cleveland	884.3	877.0	53.9	49.5	6.1	5.6
Columbus	505.0	501.4	33.2	30.9	6.6	6.2
Dayton	352.5	347.6	21.9	19.5	6.2	5.6
Toledo ¹	333.0	332.7	23.3	21.9	7.0	6.6
Youngstown—Warren	234.2	230.7	20.9	18.7	8.9	8.1
OKLAHOMA	1,195.6	1,184.9	93.5	88.4	7.8	7.5
Oklahoma City	365.8	362.2	29.2	27.3	8.0	7.5
Tulsa	278.3	277.4	21.4	20.0	7.7	7.2
OREGON	1,073.7	1,076.1	94.7	87.7	9.8	8.1
Eugene—Springfield	110.7	111.3	11.3	10.5	10.3	9.5
Portland ¹	518.7	514.9	44.1	42.1	8.5	8.2
Salem	93.3	100.8	7.7	6.6	8.3	6.5
PENNSYLVANIA	5,114.2	5,060.0	415.1	377.4	8.1	7.5
Allentown—Bethlehem—Easton ¹	297.8	298.0	24.5	25.2	8.2	8.4
Altoona	55.7	55.3	4.2	3.8	7.6	6.9
Erie	121.5	118.8	12.8	10.5	10.5	8.8
Harrisburg	211.8	208.7	11.8	10.7	5.6	5.1
Johnstown	107.0	106.5	8.4	8.2	7.9	7.7
Lancaster	161.4	164.2	8.3	8.5	5.1	5.2
Northeast Pennsylvania	260.8	276.4	31.0	25.6	11.1	9.3
Philadelphia ¹	2,026.3	2,009.5	173.6	164.1	8.6	8.2
Pittsburgh	977.3	961.0	75.2	66.5	7.7	6.9
Reading	145.2	144.0	9.1	8.4	6.3	5.8
Williamsport	50.4	49.2	4.8	4.1	9.4	8.3
York	154.1	152.8	10.9	10.0	7.1	6.5
RHODE ISLAND	409.7	414.5	44.3	41.0	10.8	9.9
Providence—Warwick—Pawtucket ¹	412.1	417.5	44.3	41.0	10.7	9.8
SOUTH CAROLINA	1,220.7	1,206.5	78.4	68.8	6.4	5.7
Charleston—North Charleston	133.1	131.5	9.2	8.3	6.9	6.3
Columbia	146.4	144.9	8.7	7.6	6.0	5.3
Greenville—Spartanburg	232.5	232.1	12.9	11.5	5.5	4.9
SOUTH DAKOTA	320.6	315.6	13.8	11.4	4.3	3.6
Sioux Falls	53.1	51.0	2.0	1.5	3.7	3.0
TENNESSEE	1,832.6	1,830.9	126.9	116.9	6.9	6.4
Chattanooga ¹	179.8	178.8	9.6	8.4	5.3	4.7
Knoxville	191.9	188.2	11.7	10.1	6.1	5.3
Memphis ¹	351.8	345.1	26.7	25.0	7.6	7.2
Nashville—Davidson	351.9	346.0	22.3	20.3	6.3	5.9
TEXAS	5,469.5	5,437.1	313.0	301.5	5.7	5.5
Amarillo	84.2	83.6	3.0	2.6	3.5	3.2
Austin	196.4	194.8	9.1	8.7	4.6	4.5
Beaumont—Port Arthur—Orange	167.4	166.7	12.1	11.6	7.2	6.9
Corpus Christi	125.0	124.4	7.7	7.3	6.1	5.9
Dallas—Fort Worth	1,203.7	1,199.9	61.3	56.6	5.1	4.7
El Paso	157.0	162.3	16.1	20.2	10.3	12.5
Galveston—Texas City	84.3	82.7	6.1	5.7	7.3	6.9
Houston	1,117.1	1,114.3	66.4	63.4	5.9	5.7
Lubbock	91.3	90.0	3.6	3.0	4.0	3.4
San Antonio	388.2	384.4	30.6	28.1	7.9	7.3
Waco	72.3	71.2	3.7	3.6	5.2	5.1
Wichita Falls	57.9	57.4	2.4	2.4	4.2	4.2
UTAH	545.2	546.3	32.1	30.3	5.9	5.5
Salt Lake City—Ogden	360.0	361.0	21.4	20.5	5.9	5.7
VERMONT	207.7	207.8	17.7	16.6	8.5	8.0

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force		Unemployment			
			Number		Percent of labor force	
	JUL. 1976	AUG. 1976	JUL. 1976	AUG. 1976	JUL. 1976	AUG. 1976
VIRGINIA	2,293.5	2,269.3	124.3	121.7	5.4	5.3
Lynchburg	68.2	68.4	3.6	3.5	5.3	5.1
Newport News—Hampton	151.8	152.0	8.6	9.4	5.7	6.2
Norfolk—Virginia Beach—Portsmouth ¹	301.0	301.6	17.7	18.3	5.9	6.1
Richmond	293.2	292.8	11.2	11.3	3.8	3.9
Roanoke	107.5	107.3	5.9	5.6	5.5	5.4
WASHINGTON	1,582.0	1,565.8	142.2	133.7	9.0	8.5
Seattle—Everett	682.3	685.3	59.6	58.6	8.7	8.5
Spokane	128.1	124.4	10.4	9.0	8.1	7.2
Tacoma	156.9	152.3	17.7	15.3	11.3	10.0
WEST VIRGINIA	667.6	N.A.	41.3	N.A.	6.2	N.A.
Charleston	107.6	N.A.	5.1	N.A.	4.7	N.A.
Huntington—Ashland ¹	108.5	N.A.	6.3	N.A.	5.8	N.A.
Parkersburg—Marietta ¹	61.2	N.A.	4.7	N.A.	7.7	N.A.
Wheeling ¹	73.6	N.A.	4.5	N.A.	6.1	N.A.
WISCONSIN	2,146.9	2,137.3	126.6	105.2	5.9	4.9
Appleton—Oshkosh	138.5	138.9	7.0	6.2	5.1	4.5
Green Bay	85.6	85.8	4.9	4.0	5.7	4.7
Kenosha	61.6	61.4	3.9	3.3	6.4	5.3
La Crosse	41.1	40.8	2.2	2.0	5.5	4.8
Madison	165.3	166.0	6.9	6.1	4.2	3.7
Milwaukee	646.9	640.4	38.1	33.1	5.9	5.2
Racine	87.0	86.8	5.8	5.0	6.7	5.8
WYOMING	205.0	202.7	6.7	6.0	3.3	3.0

¹ Includes interstate portion of Area located in adjacent State(s).

N.A.=not available.

NOTE: All data are provisional. They are subject to revision as new benchmark information becomes available. Data refer to place of residence.

SOURCE: Cooperating State Employment Security Agencies listed on the inside back cover.

UNEMPLOYMENT INSURANCE DATA

F-1. Insured unemployment under State programs

[Week including the 12th of the month]

State	Number (in thousands)					Rate (percent of average covered employment)		
	Sept. 1975	Aug. 1976	Sept. 1976	Change from ¹		Sept. 1975	Aug. 1976	Sept. 1976
				Sept. 1975	Aug. 1976			
TOTAL^{2, 3}	3, 091.9	2, 701.4	2, 442.7	-649.2	-258.7	4.6	4.1	3.7
SEASONALLY ADJUSTED	4, 052.3	3, 144.7	3, 290.1	-762.3	145.4	6.1	4.8	5.0
Alabama	43.0	38.5	35.2	-7.8	-3.3	4.6	4.2	3.9
Alaska	4.4	7.1	6.3	1.9	-0.8	5.0	5.9	5.3
Arizona	32.8	24.3	21.2	-11.6	-3.1	5.3	4.1	3.6
Arkansas	25.5	24.0	19.7	-5.7	-4.2	4.7	4.6	3.8
California	343.5	336.6	302.5	-41.0	-34.0	5.2	5.1	4.6
Colorado	20.3	18.4	17.7	-2.6	-0.7	2.7	2.5	2.4
Connecticut	73.0	69.8	58.2	-14.8	-11.6	6.0	6.0	5.0
Delaware	7.4	9.8	7.9	0.5	-1.9	3.4	4.8	3.8
District of Columbia	14.0	11.7	10.7	-3.3	-1.1	3.9	3.3	3.0
Florida	126.2	95.0	95.5	-30.8	0.5	4.9	3.6	3.6
Georgia	59.4	45.2	41.1	-18.4	-4.1	4.0	3.2	2.9
Hawaii	15.0	15.8	14.7	-0.3	-1.0	4.8	4.9	4.6
Idaho	8.0	8.9	7.3	-0.6	-1.6	3.7	4.0	3.3
Illinois	201.7	181.6	180.2	-21.6	-1.4	5.3	4.9	4.9
Indiana	52.7	33.5	26.6	-26.1	-6.9	3.1	2.1	1.7
Iowa	21.6	18.8	15.0	-6.6	-3.8	2.6	2.4	1.9
Kansas	16.7	18.5	13.9	-2.8	-4.7	2.7	3.0	2.2
Kentucky	39.4	32.3	26.5	-12.9	-5.7	4.6	3.8	3.2
Louisiana	38.2	37.9	31.8	-6.5	-6.2	3.8	3.7	3.1
Maine	14.7	14.2	12.4	-2.3	-1.7	5.1	5.0	4.4
Maryland	52.5	37.5	36.3	-16.1	-1.1	4.6	3.3	3.2
Massachusetts	126.2	93.5	78.3	-47.9	-15.2	6.2	4.9	4.1
Michigan	157.5	138.8	125.5	-32.0	-13.3	5.7	4.9	4.4
Minnesota	42.4	36.9	34.1	-8.2	-2.8	3.1	2.7	2.5
Mississippi	21.3	19.1	14.5	-6.8	-4.6	3.8	3.6	2.7
Missouri	63.0	53.5	44.5	-18.5	-8.9	4.3	3.8	3.2
Montana	6.6	8.9	6.5	0.0	-2.4	3.9	4.6	3.4
Nebraska	12.4	8.0	6.6	-5.8	-1.4	2.8	1.8	1.5
Nevada	10.3	10.7	9.9	-0.4	-0.8	4.9	4.9	4.5
New Hampshire	13.6	7.0	6.4	-7.2	-0.6	5.2	2.8	2.6
New Jersey	138.2	131.6	115.3	-22.9	-16.3	6.0	6.1	5.3
New Mexico	10.7	11.0	9.9	-0.7	-1.1	4.1	4.3	3.9
New York	324.0	296.0	268.2	-55.8	-27.8	5.5	5.2	4.7
North Carolina	60.2	49.7	50.6	-9.6	0.9	3.5	3.0	3.0
North Dakota	2.2	2.6	1.9	-0.2	-0.7	1.5	1.8	1.3
Ohio	131.0	88.8	81.2	-49.8	-7.6	3.4	2.4	2.2
Oklahoma	25.2	24.0	19.6	-5.6	-4.3	3.5	3.4	2.8
Oregon	42.5	33.5	32.1	-10.4	-1.4	5.5	4.4	4.2
Pennsylvania	227.1	196.2	186.7	-40.4	-9.4	5.9	5.2	5.0
Puerto Rico ²	74.0	77.4	76.9	2.9	-0.5	12.2	13.5	12.7
Rhode Island	22.5	19.4	15.3	-7.3	-4.1	6.9	6.3	5.0
South Carolina	39.0	29.2	24.6	-14.4	-4.6	4.7	3.7	3.2
South Dakota	2.7	3.0	2.7	0.0	-0.3	1.7	1.9	1.7
Tennessee	59.8	44.7	39.6	-20.2	-5.1	4.6	3.7	3.2
Texas	67.8	60.8	55.1	-12.7	-5.7	1.9	1.6	1.5
Utah	12.2	10.9	9.9	-2.3	-1.1	3.6	3.2	2.9
Vermont	7.9	6.5	5.7	-2.2	-0.8	6.0	5.0	4.4
Virginia	31.6	26.7	24.1	-7.5	-2.7	2.3	1.9	1.7
Washington	69.3	69.0	60.9	8.5	-8.1	7.1	6.9	6.1
West Virginia	19.6	16.5	14.9	-4.7	-1.7	4.2	3.6	3.3
Wisconsin	60.0	46.5	39.2	-20.8	-7.3	3.9	3.0	2.5
Wyoming	1.2	1.4	1.2	0.0	-0.2	1.1	1.3	1.1

¹ Based on unrounded data; changes of less than 50 not shown.

³ Figures do not include claimants receiving benefits under extended benefit provisions.

² Include data under the program for Puerto Rico's sugarcane workers. Rates exclude the sugarcane workers as comparable covered employment data are not yet available.

UNEMPLOYMENT INSURANCE DATA

F-2. Insured unemployment in 150 major labor areas²

(In thousands, for week including the 12th of the month)

State and area	Sept. 1975	Sept. 1976	State and area	Sept. 1975	Sept. 1976	State and area	Sept. 1975	Sept. 1976	State and area	Sept. 1975	Sept. 1976
ALABAMA			INDIANA—			NEW JERSEY			PENNSYLVANIA—		
Birmingham	10.7	9.2	Continued			Atlantic City	3.9	3.4	Continued		
Mobile	4.2	4.0				Jersey City	13.2	13.6			
ARIZONA			Gary-Hammond—	8.1	4.1	Newark	41.1	31.1	Northeast		
Phoenix	20.4	12.1	East Chicago	9.5	5.5	New Brunswick—			Pennsylvania	18.9	18.2
			Indianapolis	2.2	1.7	Perth Amboy	12.5	9.8	Philadelphia	100.5	82.5
ARKANSAS			South Bend	1.4	1.3	Sayreville			Pittsburgh	35.8	29.7
Little Rock—			Terre Haute			Paterson—Clifton—	10.5	10.3	Reading	5.3	4.6
North Little						Passaic	4.2	3.2	York	6.0	4.9
Rock	4.4	3.2	IOWA			Trenton			PUERTO RICO		
			Cedar Rapids	1.1	.9				Mayaguez	2.1	2.5
CALIFORNIA			Des Moines	3.3	2.7	NEW MEXICO			Ponce	3.4	4.5
Anaheim—S. Ana—						Albuquerque	4.8	5.0	San Juan	13.8	16.1
Garden Grove	28.1	21.3	KANSAS	5.5	4.0	NEW YORK					
Fresno	6.3	6.2	Wichita			Albany—			RHODE ISLAND		
Los Angeles—Long						Schenectady—			Providence—		
Beach	137.9	112.1	KENTUCKY	12.5	7.4	Troy	10.7	8.7	Warwick—		
Riverside—San			Louisville			Binghamton	4.9	2.7	Pawtucket	24.4	15.3
Bernardino—						Buffalo	24.2	15.9			
Ontario	21.0	18.4	LOUISIANA	3.8	3.4	New York City			SOUTH CAROLINA		
Sacramento	12.4	12.1	Baton Rouge	12.8	11.2	Combined Areas	226.6	199.2	Charleston	5.1	2.8
San Diego	27.1	25.4	New Orleans	4.6	3.7	(a) N.Y. City			Greenville—		
San Francisco—			Shreveport			plus Rockland,			Spartanburg	8.7	5.5
Oakland	54.6	52.2				Putnam, and					
San Jose	16.7	13.7	MAINE	1.8	1.7	Westchester Cos. .	178.8	155.4	TENNESSEE		
Stockton	3.9	4.0	Portland			(b) Nassau—			Chattanooga	4.6	3.5
						Suffolk	47.9	43.7	Knoxville	5.3	4.1
COLORADO			MARYLAND	31.8	23.3	Rochester	9.9	10.1	Memphis	13.2	11.4
Denver—Boulder ..	12.4	10.7	Baltimore			Syracuse	10.2	7.2	Nashville—		
						Utica—Rome	5.7	4.1	Davidson	11.9	5.1
			MASSACHUSETTS	56.2	37.4						
CONNECTICUT			Boston	4.2	2.5	NORTH CAROLINA			TEXAS		
Bridgeport	9.5	8.6	Brockton	4.6	3.4	Asheville	2.5	1.3	Austin	2.8	2.1
Hartford	14.4	13.9	Fall River	7.6	5.7	Charlotte—			Beaumont—		
New Britain	3.7	3.2	Lawrence—	5.1	3.0	Charlotte—			Port Arthur—		
New Haven—			Haverhill	4.7	3.0	Gastonia	7.6	5.4	Orange	4.0	2.9
West Haven	9.2	8.6	Lowell	5.1	3.0	Greensboro—			Corpus Christi	2.2	1.1
Stamford	3.5	5.1	New Bedford	12.1	7.3	Winston-Salem—	9.3	6.3	Dallas	13.9	8.0
Waterbury	6.6	3.2	Springfield—	6.9	4.5	High Point	2.7	2.6	El Paso	3.4	6.7
			Chicopee—			Raleigh—Durham ..			Fort Worth	5.7	3.9
DELAWARE			Holyoke						Houston	8.2	8.9
Wilmington	7.4	7.5	Worcester			OHIO			San Antonio	7.3	5.2
						Akron	9.1	6.0			
DIST. OF COL.			MICHIGAN	3.7	2.9	Canton	3.6	3.6	UTAH		
Washington	28.8	22.4	Battle Creek	167.8	73.7	Cincinnati	12.6	9.2	Salt Lake City—		
			Detroit	8.4	5.9	Cleveland	24.9	16.1	Ogden	6.8	5.6
			Flint	9.5	6.6	Columbus	11.2	8.5			
FLORIDA			Kalamazoo—			Dayton	9.2	5.5	VIRGINIA		
Jacksonville	5.4	5.1	Portage	3.8	3.1	Hamilton—			Newport News—		
Miami	29.3	20.8	Lansing—East	7.4	6.2	Middletown	3.9	2.1	Hampton	3.4	2.3
Tampa—St.			Lansing			Lorain—			Norfolk—		
Petersburg	23.4	17.9	Muskegon—	5.0	3.2	Elyria	3.1	2.0	Virginia Beach—		
			Muskegon—	2.9	2.5	Staubenville—			Portsmouth	7.3	3.3
GEORGIA			Heights			Weirton	2.1	.8	Richmond	4.4	2.4
Atlanta	23.6	15.8	Saginaw			Toledo	10.7	7.1	Roanoke	2.9	1.7
Augusta	4.8	3.3				Youngstown—					
Columbus	2.6	2.3	MINNESOTA	2.4	2.5	Warren	9.7	6.4	WASHINGTON		
Macon	3.0	2.7	Duluth—	24.4	19.2				Seattle	32.3	22.8
Savannah	2.5	2.1	Superior			OKLAHOMA			Spokane	6.1	4.4
			Minneapolis—	2.5	1.4	Oklahoma City	7.9	5.5	Tacoma	8.6	7.5
HAWAII			St. Paul			Tulsa	5.2	4.8			
Honolulu	13.1	13.1	MISSISSIPPI	2.5	1.4	OREGON			WEST VIRGINIA		
			Jackson			Portland	25.0	15.7	Charleston	2.0	1.7
									Huntington—		
ILLINOIS			MISSOURI	17.5	11.4				Ashland	4.1	2.3
Chicago	138.2	104.9	Kansas City	40.0	29.0	PENNSYLVANIA			Wheeling	1.9	1.8
Davenport—Rock			St. Louis			Allentown—					
Island—						Bethlehem—			WISCONSIN		
Moline	3.6	3.5				Easton	11.8	13.1	Kenosha	1.3	1.4
Peoria	2.6	2.8	NEBRASKA	8.3	4.6	Altoona	2.7	2.0	Madison	4.5	3.4
Rockford	7.2	5.4	Omaha			Erie	6.0	4.6	Milwaukee	24.0	11.5
						Harrisburg	5.6	5.2	Racine	2.5	1.8
INDIANA			NEW HAMPSHIRE	2.3	1.5	Johnstown	4.1	4.7			
Evansville	2.9	2.0	Manchester			Lancaster	5.2	3.2			
Ft. Wayne	5.6	2.0									

¹ Insured jobless under State, Federal Employee, and Ex-Servicemen's unemployment insurance programs excludes extended benefit claims.

² For full name of labor area and definition of area, see Area Trends in Employment and Unemployment published by the Employment and Training Administration.

* Information not available.

Explanatory Notes

Introduction

Household Data (A tables)

Establishment Data (B, C, and D tables)

State and Area Unemployment Data (E table)

Unemployment Insurance Data (F tables)

Seasonal Adjustment

Introduction

The statistics in this periodical are compiled from three major sources: (1) Household interviews, (2) reports from employers, and (3) administrative statistics of unemployment insurance systems.

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, household 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 47,000 households, representing 461 areas in 923 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 surveys are designed to provide detailed industry information on nonagricultural wage and salary employment, average weekly hours, average hourly and weekly earnings, and labor turnover for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of establishments employing over 30 million nonagricultural wage and salary workers. The data relate to all workers, full- or part-time, who received pay during the payroll period which includes the 12th of the month. Based on a somewhat smaller sample, labor turnover data relate to actions occurring during the entire month.

Data based on administrative records of unemployment insurance systems furnish a complete count of insured unemployment among the three-fourths of the Nation's labor force covered by unemployment insurance programs. Weekly reports, by State, are issued on the number of initial claims, the volume, and rate of insured unemployment under State unemployment insurance programs, and the volume under programs of unemployment compensation for Federal employees, ex-Armed Forces personnel, and railroad workers. These statistics are published by the Employment and Training Administration, U.S. Department of Labor, in "Unemployment Insurance Claims."

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

The household and establishment data supplement one another, each providing significant types of information that the other cannot suitably supply. Population characteristics, for example, are readily obtained only from the household survey

whereas detailed industrial classifications can be reliably derived only from establishment reports.

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

Employment

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

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

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

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

Hours of work

The household survey measures hours actually worked whereas the payroll survey measures hours paid for by employers.

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

COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

Unemployment insurance data. The unemployed total from the household survey includes all persons who did not have a job at all during the survey week and were looking for work or were waiting to be called back to a job from which they had been laid off, regardless of whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Employment and Training Administration of the Department of Labor, exclude persons who have exhausted their benefit rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (agriculture, some State and local government, domestic service, self-employment, unpaid family work, and religious organizations).

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

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

Agricultural employment estimates of the Department of Agriculture. The principal differences in coverage are the inclusion of persons under 16 in the Statistical Research Service (SRS) series and the treatment of dual jobholders who are counted more than

once if they work on more than one farm during the reporting period. There are also wide differences in sampling techniques and collecting and estimating methods, which cannot be readily measured in terms of impact on differences in level and trend of the two series.

COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

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

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

Employment covered by State unemployment insurance programs. Most nonagricultural wage and salary workers are covered by the unemployment insurance programs. Beginning in January 1972, coverage was expanded to include employees of small firms and selected nonprofit activities who had not been covered previously. However, certain activities, such as interstate railroads, parochial schools, churches and most local government activities are not covered by unemployment insurance whereas these are included in BLS establishment statistics.

Household data

(A tables)

COLLECTION AND COVERAGE

Statistics on the employment status of the population, the personal, occupational, and other characteristics of the employed, the unemployed, and persons not in the labor force, and related data are compiled for the BLS by the Bureau of the Census in its Current Population Survey (CPS). A detailed description of this survey appears in *Concepts and Methods Used in Manpower Statistics from the Current Population Survey*, BLS Report 313. This report is available from BLS on request.

These monthly surveys of the population are conducted with a scientifically selected sample designed to represent the civilian noninstitutional population. Respondents are interviewed to

obtain information about the employment status of each member of the household 16 years of age and over. Separate statistics are also collected and published for 14 and 15 year olds. The inquiry relates to activity or status during the calendar week, Sunday through Saturday, which includes the 12th of the month. This is known as the survey week. Actual field interviewing is conducted in the following week.

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

Each month, 47,000 occupied units are eligible for interview. About 2,000 of these households are visited but interviews are not obtained because the occupants are not found at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of about 4 percent. In addition to the 47,000 occupied units, there are 8,000 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from 1 month to the next, and one-half to be common with the same month a year earlier.

CONCEPTS

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

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

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

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

Unemployed persons comprise all persons who did not work during the survey week, who made specific efforts to find a job within the past 4 weeks, and who were available for work during the survey week (except for temporary illness). Also included as unemployed are those who did not work at all, were available for work, and (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. Average duration is an arithmetic mean computed from a distribution by 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) Re-entrants 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, 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 non-institutional 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.

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

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

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

formation on the detailed categories included in these groups is available upon request.

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

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

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

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

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

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

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

Race. White and black and other are terms used to describe the race of workers. The black and other category, which until

recently had been identified as "Negro and other races" and prior to 1969 as "nonwhite," includes all persons who are observed in the enumeration process to be other than white. At the time of the 1970 Census of Population, 89 percent of the black and other population group were black; the remainder were American Indians, Eskimos, Orientals, and all other non-white groups. The term "black" is used in this volume when the relevant data are provided exclusively for the black population.

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

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

Household head. One person in each household is designated as the head. The head is usually the person regarded as the head by the members of the group. If a husband and wife family occupy the unit, the husband is designated as the head. The number of heads is equal to the number of households. heads is equal to the number of households.

Vietnam-era veterans are those who served in the Armed Forces of the United States between August 5, 1964, and April 30, 1975. Tables for veterans in this volume are limited to males in the civilian noninstitutional population; i.e., veterans in institutions and females are excluded.

Nonveterans are males who never served in the Armed Forces.

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

HISTORIC COMPARABILITY

Raised lower age limit

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

tion of unemployment, and self-employment in order to increase their reliability.

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

Noncomparability of labor force levels

Before the changes introduced in 1967, the labor force data were not comparable for three earlier periods: (1) Beginning 1953, as a result of the introduction of data from the 1950 census into the estimation procedure, population levels were raised by about 600,000; labor force, total employment, and agricultural employment by about 350,000, primarily affecting the figures for totals and males; other categories were relatively unaffected; (2) beginning 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force, four-fifths of this in nonagricultural employment; other labor force categories were not appreciably affected; (3) beginning 1962, the introduction of figures from the 1960 census reduced the population by about 50,000, labor force and employment by about 200,000; unemployment totals were virtually unchanged. In addition, beginning 1972, information from the 1970 census was introduced into the estimation procedures, producing an increase in the civilian noninstitutional population of about 800,000; labor force and employment totals were raised by a little more than 300,000, and unemployment levels and rates were essentially unchanged. A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment affected the white and black and other groups but had little effect on totals. The adjustment resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black and other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black and other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

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

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

age-sex group, and all of the changes were in the "other" population.

Changes in occupational classification system

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

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.

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 and, within these, for six groups—two race categories (white, and black and other) within three residence categories. For sample areas which are standard metropolitan statistical areas (SMSA's), these residence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 3 to 5 percent depending on weather, vacations, etc.

2. *Ratio estimates.* The distribution of the population selected for the sample may differ somewhat, by chance, from that of the Nation as a whole, in such characteristics as age, race, sex, and residence. Since these population 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.* This is a procedure in which the sample proportions are weighted by the known 1970 Census data on the race-residence distribution of the population. This step takes into account the differences existing at the time of the 1970 census between the race-residence distribution for the Nation and for the sample areas.

b. *Second-stage ratio estimate.* In this step, the sample proportions are applied to independent current estimates of the population by age, sex, and race. Prior to January 1974 these estimates 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. In this procedure, the most recent census population adjusted to include estimated net census undercount by age, sex, and race (i.e., "inflated") is carried forward to each subsequent month and later age by adding births, subtracting deaths, and adding net migration. These postcensal 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. This procedure reduces the sampling variability of month-to-month changes especially and of the levels for most items also.

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

Since the estimates are based on a sample, they may differ from the figures that would have been obtained if it were

possible to take a complete census using the same schedules and procedures.

The standard error is a measure of sampling variability, that is, the variations that might occur by chance because only a sample of the population is surveyed. The chances are about 2 out of 3 that an estimate from the sample would differ from a complete census by less than the standard error. The chances are about 19 out of 20 that the difference would be less than twice the standard error.

Table A shows the average standard error for the major employment status categories, by sex, computed from data for past months. Estimates of change derived from the survey are also subject to sampling variability. The standard error of change for consecutive months is also shown in table A. The standard errors of level shown in table A are acceptable approximations of the standard errors of year-to-year change.

Table A. Average standard error of major employment status categories

[In thousands]

Employment status and sex	Average standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
BOTH SEXES		
Labor force	205	150
Total employment	210	155
Agriculture	95	60
Nonagricultural employment	210	155
Unemployment	109	106
MALES		
Labor force	115	95
Total employment	125	100
Agriculture	85	55
Nonagricultural employment	130	105
Unemployment	81	89
FEMALES		
Labor force	140	110
Total employment	140	110
Agriculture	35	25
Nonagricultural employment	140	110
Unemployment	74	83

The figures presented in table B are to be used for other characteristics and are approximations of the standard errors of all such characteristics. They should be interpreted as providing an indication of the order of magnitude of the standard errors rather than as the precise standard error for any specific item.

The standard error of the change in an item from one month to the next month is more closely related to the standard error

Table B. Standard error of level of monthly estimates

(In thousands)

Size of estimate	Both sexes		Males		Females	
	Total or white	Black and other	Total or white	Black and other	Total or white	Black and other
10	4	4	6	4	6	4
50	9	9	11	9	11	9
100	12	12	16	12	16	12
250	20	17	25	17	25	17
500	30	25	34	25	34	25
1,000	40	35	50	35	50	35
2,500	60	40	75	40	75	40
5,000	85	45	90	—	90	—
10,000	115	—	115	—	115	—
20,000	150	—	125	—	125	—
30,000	170	—	—	—	—	—
40,000	180	—	—	—	—	—

of the monthly level for that item than to the size of the specific month-to-month change itself. Thus, in order to use the approximations to the standard errors of month-to-month changes as presented in table C, it is first necessary to obtain the standard error of the monthly level of the item in table B, and then find the standard error of the month-to-month change in table C corresponding to this standard error of level. It should be noted that table C applies to estimates of change between 2 consecutive months. For changes between the current month and the same month last year, the standard errors of level shown in table B are acceptable approximations.

Illustration. Assume that the tables showed the total number of persons working a specific number of hours as 15,000,000, an increase of 500,000 over the previous month. Linear interpolation in the first column of table B shows that the standard error of 15,000,000 is about 133,000. Consequently, the chances are about 68 out of 100 that the sample estimate differs by less than 133,000 from the figure which would have been obtained from a complete count of the number of persons working the given number of hours. Using the 133,000 as the standard error of the

monthly level in table C, it may be seen that the standard error of the 500,000 increase is about 126,000.

The reliability of an estimated percentage, computed by using sample data for both numerator and denominator, depends upon both the size of the percentage and the size of the total upon which the percentage is based. Where the numerator is a subclass of the denominator, estimated percentages are relatively more reliable than the corresponding absolute estimates of the numerator of the percentage, particularly if the percentage is large (50 percent or greater). Table D shows the standard errors for unemployment percentages derived from the survey. Linear interpolation may be used for percentages and base figures not shown in table D. As a general rule, percentages will not be published when the monthly base is less than 75,000 or the annual base is less than 35,000. Table E shows the standard error of percentage of monthly levels and consecutive month change for frequently analyzed unemployment rate series. These errors are computed from data for recent months. Errors on change for nonconsecutive months are slightly greater (by roughly a factor of 1.1 times the month-to-month error).

Table C. Standard error of estimates of month-to-month change

(In thousands)

Standard error of monthly level	Standard error of month-to-month change
10	12
25	28
50	55
100	100
150	140
200	155
250	160
300	190

Table D. Standard error of unemployment percentages

Base of percentages (thousands)	Estimated percentage									
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	35 or 65	50	
75	1.5	2.1	3.2	4.5	5.4	6.1	6.7	7.5	8.3	
150	1.1	1.5	2.4	3.3	4.0	4.5	4.9	5.5	6.1	
250	.9	1.3	2.0	2.8	3.3	3.7	4.1	4.6	5.1	
500	.6	.8	1.3	1.7	2.1	2.4	2.6	2.9	3.2	
1,000	.4	.6	.9	1.2	1.5	1.7	1.8	2.1	2.3	
2,000	.3	.4	.6	.9	1.0	1.2	1.3	1.5	1.6	
3,000	.2	.3	.5	.7	.9	1.0	1.1	1.2	1.3	
5,000	.2	.3	.4	.6	.7	.7	.8	.9	1.0	
10,000	.1	.2	.3	.4	.5	.5	.6	.7	.7	
25,000	.1	.1	.2	.3	.3	.3	.4	.4	.4	
50,000	.1	.1	.1	.2	.2	.2	.3	.3	.3	
75,000	.1	.1	.1	.1	.2	.2	.2	.2	.3	

Table E. Standard error of percentages for major unemployment rates

Selected categories	Monthly level	Consecutive month change	Selected categories	Monthly level	Consecutive month change
Total (all civilian workers) . . . . .	.12	.14	OCCUPATION—Continued		
Males, 20 years and over . . . . .	.14	.17	Blue-collar workers . . . . .	.23	.28
Females, 20 years and over . . . . .	.19	.24	Craft and kindred workers . . . . .	.32	.39
Both sexes, 16-19 years . . . . .	.56	.72	Operatives . . . . .	.36	.46
White workers . . . . .	.12	.15	Nonfarm laborers . . . . .	.66	.84
Black (and other) workers . . . . .	.43	.55	Service workers . . . . .	.32	.40
Household heads . . . . .	.12	.15	Farm workers . . . . .	.43	.53
Married men . . . . .	.13	.16	INDUSTRY		
Full-time workers . . . . .	.12	.15	Nonagricultural private wage and salary workers . . . . .	.14	.17
Part-time workers . . . . .	.35	.44	Construction . . . . .	.75	.95
Unemployed 15 weeks and over . . . . .	.06	.07	Manufacturing . . . . .	.27	.34
Labor force time lost . . . . .	.12	.15	Durable goods . . . . .	.36	.45
OCCUPATION			Nondurable goods . . . . .	.43	.54
White-collar workers . . . . .	.13	.15	Transportation and public utilities . . . . .	.41	.52
Professional and technical . . . . .	.20	.24	Wholesale and retail trade . . . . .	.28	.35
Managers and administrators except farm . . . . .	.23	.28	Finance and service industries . . . . .	.23	.29
Sales workers . . . . .	.39	.48	Government wage and salary workers . . . . .	.19	.24
Clerical workers . . . . .	.24	.30	Agricultural wage and salary workers	1.11	1.39

Establishment data

(B, C, and D tables)

COLLECTION

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

Federal-State cooperation

Under cooperative arrangements with State agencies, the respondent fills out a single employment or labor turnover reporting form, which is then used for national, State, and area estimates. This eliminates duplicate reporting on the part of respondents, and together with the use of identical techniques at the national and State levels, insures maximum comparability of estimates.

State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the information to prepare State and area series and then send the establishment data to the BLS for use in preparing the national series.

Shuttle schedules

Two types of data collection schedules are used: Form BLS 790—Monthly Report on Employment, Payroll, and Hours; and Form DL 1219—Monthly Report on Labor Turnover. These

schedules are of the "shuttle" type, with space for each month of the calendar year. The collection agency returns the schedule to the respondent each month so that the next month's data can be entered. This procedure assures maximum comparability and accuracy of reporting, since the respondent can see the figures he has reported for previous months.

Form BLS 790 provides for entry of data on the number of full- and part-time workers on the payrolls of nonagricultural establishments and, for most industries, payroll and hours of production and related workers or nonsupervisory workers for the pay period which includes the 12th of the month. Form DL 1219 provides for the collection of information on the total number of accessions and separations, by type, during the calendar month.

CONCEPTS

Industrial classification

Establishments reporting on Form BLS 790 and Form DL 1219 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. This information is collected each year on a supplement to the monthly 790 or 1219 report. For an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included

under the industry indicated by the most important product or activity.

All national, State, and area employment, hours, earnings, and labor turnover series are classified in accordance with the *Standard Industrial Classification Manual*, Bureau of the Budget, 1967.

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.

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 and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who are laid off, on leave without pay, or on strike for the entire period or who are hired but have not been paid during the period.

Industry hours and earnings

Average hours and earnings data are derived from reports of payrolls and hours for production and related workers in manufacturing and mining, construction workers in contract construction, and nonsupervisory employees in the remaining private nonagricultural components. For Federal Government, hours and earnings relate to all employees, both supervisory and nonsupervisory. Terms are defined below. When the pay period reported is longer than 1 week, figures are reduced to a weekly basis.

Production and related workers include working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for 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 contract construction division: Working supervisors, qualified craft workers, mechanic's 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 similar occupational levels, and other employees whose services are closely associated with those of the employees listed.

Payroll covers the payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of the pay period which includes the 12th of the month. The payroll is reported before deductions of any kind, e.g., for old-age and unemployment insurance, group insurance, withholding tax, bonds or union dues; also included is pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), other pay not earned in the pay period reported (e.g., retroactive pay), tips, and the value of free rent, fuel, meals, or other payment in kind are excluded. "Fringe benefits" (such as health and other types of insurance, contributions to retirement, etc. paid by the employer) are also excluded.

Hours cover the hours paid for, during the pay period which includes the 12th of the month, for production, construction, or nonsupervisory workers. Included are hours paid for holidays and vacations, and for sick leave when pay is received directly from the firm.

Overtime hours cover hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which includes the 12th of the month. Weekend and holiday hours are included only if overtime premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded.

Gross average hourly and weekly earnings

Average hourly earnings are on a "gross" basis, reflecting 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. Shifts in the volume of employment between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments also affect the general earnings averages. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

Averages of hourly earnings differ from wage rates. Earnings are the actual return to the worker for a stated period of time; rates are the amount stipulated for a given unit of work or time. The earnings series does not measure the level of total labor costs on the part of the employer since the following are excluded: Irregular bonuses, retroactive items, payments of various welfare benefits, payroll taxes paid by employers, and earnings for those employees not covered under the production-worker, construction-worker, or nonsupervisory-employee definitions.

Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings. Therefore, weekly earnings are affected not only by changes in gross average hourly earnings but also by changes in the length of the workweek. Monthly variations in such factors as proportion of part-time workers, stoppages for varying causes, 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 service 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 the portion of the gross average weekly hours which were in excess of regular hours and for which overtime premiums were paid. If an employee worked on a paid holiday at regular rates, receiving as total compensation his holiday pay plus straight-time pay for hours worked that day, no overtime hours would be reported.

Since overtime hours are premium hours by definition, gross weekly hours and overtime hours do not necessarily move in the same direction from month-to-month; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends at the industry-group level also may be caused by a marked change in gross hours for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on gross hours.

Hours and earnings for total private nonagricultural industries

The series covers all nonagricultural industry divisions except government. The principal source of payroll data is Form BLS 790. Secondary source material such as the Bureau's *Employment and Wages, County Business Patterns* of the Bureau of the Census, and additional supporting information such as *The Hospital Guide, Part II*, of the American Hospital Association and special studies by the National Council of Churches supplement data for certain industry groups within the service division.

For a technical description of this series, see the article, "Hours and Earnings for Workers in Private Nonagricultural Industries," published in the May 1967 issue of *Employment and Earnings and Monthly Report on the Labor Force*. Reprints are available upon request.

Railroad 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 and his marital status, as well as on the level of his gross income. To reflect these variables, spendable

earnings are computed for a worker with no dependents and a married worker with three dependents. The computations are based on gross average weekly earnings for all production or nonsupervisory workers in the industry division excluding other income and income earned by other family members.

The series reflects the spendable earnings of only those workers, with either none 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 workers with three dependents; such workers, in fact have higher gross average earnings than workers with no dependents.

Since part-time as well as full-time workers are included, and since the proportion of part-time workers has been rising, the series understates the increase in earnings for full-time workers. As noted, "fringe benefits" are not included in the earnings. For a more complete discussion of the uses and limitations of these series, see the article by Paul M. Schwab, "Two Measures of Purchasing Power Contrasted," in the *Monthly Labor Review* for April 1971. Reprints of this article are available upon request from the Bureau of Labor Statistics.

"Real" earnings are computed by dividing the current Consumer Price Index into the earnings averages for the current month. This is done for gross average weekly earnings and for spendable average weekly earnings. The level of earnings is thus adjusted for changes in purchasing power since the base period (1967).

Average hourly earnings excluding overtime

Average hourly earnings excluding overtime premium pay are computed by dividing the total production worker payroll for the industry group by the sum of total production-worker hours and one-half of total overtime hours. Prior to January 1956, these data were based on the application of adjustment factors to gross average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 537-540). Both methods eliminate only the earnings due to overtime paid for at 1½ times the straight-time rates. No adjustment is made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

Indexes of aggregate weekly payrolls and hours

The indexes of aggregate weekly payrolls and hours are prepared by dividing the current month's aggregate by the monthly average for the 1967 period. The hour aggregates are the product of average weekly hours and production-worker or nonsupervisory worker employment, and the payroll aggregates are the product of hour aggregates and average hourly earnings. At all higher levels of aggregation, hour and payroll aggregates are the sum of the component aggregates.

Indexes of diffusion of changes in number of employees on 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. Transfers to another establishment of the company are included, beginning with January 1959.

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

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

Other accessions, which are not published separately but are included in total accessions, are all additions to the employment roll which are not classified as new hires, including transfers from other establishments of the company and employees recalled from layoff.

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

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

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

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

Relationship of labor turnover to employment series

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

ESTIMATING METHODS

The principal features of the procedure used to estimate employment for the industry statistics are (1) the use of the "link relative" technique, which is a form of ratio estimation, (2) periodic adjustment of employment levels to new benchmarks, and (3) the use of size and regional stratification.

The "link relative" technique

From a sample composed of establishments reporting for both the previous and current months, the ratio of current month employment to that of the previous month is computed. This is called a link relative. The estimates of employment (all employees, including production and nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives." In addition, small bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past experience. Other features of the general procedures are described in table F. Summary of methods for computing industry statistics on employment, hours, earnings, and labor turnover.

Size and regional stratification

A number of industries are stratified by size of establishment and/or by region, and the stratified production or nonsupervisory worker data are used to weight the hours and earnings into broader industry groupings. Accordingly, the basic estimating cell for an employment, hours, or earnings series, as the term is used in the summary of computational methods, may be a whole industry or a size stratum, a region stratum, or a size stratum of a region within an industry.

Benchmark adjustments

Employment estimates are compared periodically with comprehensive counts of employment which provide "benchmarks" for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1974 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover nearly nine-tenths of the total nonagricultural employment in the United States. Benchmark data for the residual are obtained from the records of the Social Security Administration, the Interstate Commerce Commission, and a number of other agencies in private industry or government.

The estimates relating to the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates 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 due to benchmark adjustment for the last 3 years is shown in table G.

Data for all months since the last benchmark to which the series has been adjusted are subject to revision. To provide users of the data with a convenient reference source for the revised data, the BLS publishes as soon as possible after each benchmark revision a summary volume of employment, hours, earnings, and labor turnover statistics, entitled *Employment and Earnings, United States*.

Table F. Summary of methods for computing industry statistics on employment, hours, 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.	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) ratio of women to all employees.	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.	Average, weighted by production or nonsupervisory employment, of the average weekly hours for component cells.
Average weekly overtime hours	Production worker overtime hours divided by number of production workers.	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.	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 and production or nonsupervisory workers	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross average weekly hours	Annual total of aggregate hours (production or nonsupervisory worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours	Annual total of aggregate overtime hours (production worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime hours for production workers divided by annual sum of employment for these workers.
Gross average hourly earnings . . .	Annual total of aggregate payrolls (production or nonsupervisory worker employment multiplied by weekly 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	Sum of monthly rates divided by 12.	Sum of monthly rates divided by 12.

Table G. Nonagricultural payroll employment estimates, by industry divisions, as a percentage of the benchmark for 1971, 1973, and 1974

Industry division	1971	1973 ¹	1974
Total	100.2	98.4	99.9
Mining	99.8	96.5	97.0
Contract construction	96.9	90.4	100.6
Manufacturing	100.4	98.9	99.9
Transportation and public utilities	100.9	99.3	100.0
Wholesale and retail trade	100.3	97.8	100.1
Finance, insurance, and real estate	100.2	99.5	98.9
Services	100.4	99.1	99.3
Government	100.0	99.5	100.6

¹ 2-year revision.

THE SAMPLE

Design

The sampling plan used in the current employment statistics program is known as "sampling proportionate to average size of establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. The universe of establishments is stratified first by industry and then within each industry by size of establishment in terms of employment. For each industry, the number of sample units is distributed among the size class cells on the basis of average employment per establishment in each cell. In practice, this is equivalent to distributing the predetermined total number of establishments required in the sample among the cells on the basis of the ratio of employment in each cell to total employment in the industry. Within each noncertainty stratum the sample members are selected at random.

Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percentage of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to accept samples in these divisions 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 establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

In the context of the BLS employment and labor turnover statistics programs, with their emphasis on producing timely data at minimum cost, a sample must be obtained which will provide coverage of a sufficiently large segment of the universe to provide reasonably reliable estimates that can be published promptly and regularly. The present sample meets these specifications for most industries. With its use, the BLS is able to produce preliminary estimates each month for many industries and for many geographic levels within a few weeks after reports are mailed by respondents, and at a somewhat later date, statistics in considerably greater industrial detail.

Coverage

The BLS sample of establishment employment and payrolls is the largest monthly sampling operation in the field of social statistics. Table H 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 I shows the approximate coverage, in terms of employment, of the labor turnover sample.

Table H. Approximate size and coverage of BLS employment and payrolls sample, March 1974¹

Industry division	Number of establishments in samples	Employees	
		Number reported	Percent of total
Total	158,400	31,637,000	41
Mining	2,100	307,000	46
Contract construction ..	16,500	771,000	20
Manufacturing	47,000	11,821,000	59
Transportation and public utilities:			
Railroad transportation (ICC) ..	95	537,000	94
Other transportation and public utilities	7,300	2,181,000	53
Wholesale and retail trade	38,200	3,050,000	18
Finance, insurance, and real estate	10,100	1,507,000	36
Services	23,500	2,740,000	20
Government:			
Federal (Civil Service Commission) ²	3,200	2,691,000	100
State and local	10,400	6,032,000	52

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

² National estimates of Federal employment are provided to the BLS by the Civil Service Commission. State and area estimates are based on a sample of 3,200 reports covering about 53 percent of employment in Federal establishments.

Table I. Approximate size and coverage of BLS labor turnover sample, March 1974

Industry	Employees	
	Number reported	Percent of total
Total	10,873,730	52
Manufacturing	10,007,800	51
Metal mining	61,850	66
Coal mining	56,770	35
Communication:		
Telephone	734,270	74
Telegraph	13,040	61

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. Improvements brought about by the most recent expansion in unemployment insurance coverage were the major cause of differences in the March 1973 benchmark adjustments. (See article by Carol M. Utter, "BLS Establishment Estimates Revised to March 1973 Benchmark Levels", in the December 1974 issue.) Table J presents the average percent revisions of the six most recent benchmarks (excluding the March 1973 adjustment) for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

The hours and earnings estimates for cells are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. The hours and earnings estimates, however, are subject to sampling errors which may be expressed as relative errors of the estimates. (A relative error is a standard error expressed as a percent of the estimate.) Relative errors for major industries are presented in table J and for individual industries with the specified number of employees in table K. 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).

Table J. Average benchmark percent revision in employment estimates and relative errors¹ for average weekly hours and average hourly earnings by industry division

Industry division	Average benchmark revision in estimates of employment ²	Relative errors (in percent)	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment	0.2	-	-
Total private . . . . .	.1	0.1	0.2
Mining	1.2	.5	.5
Construction	1.2	.2	.3
Manufacturing . . . . .	.3	.1	.1
Durable goods . . . . .	.4	.1	.1
Nondurable goods . . . . .	.3	.1	.1
Transportation and public utilities . . . . .	.4	.7	.4
Trade . . . . .	.3	.1	.2
Wholesale	1.0	.2	.3
Retail . . . . .	.2	.2	.2
Finance, insurance, and real estate . . . . .	.4	.2	.4
Services . . . . .	.6	.4	.8
Government ³ . . . . .	.6	-	-

¹ Relative errors relate to March 1971 data.

² The average percent revision in employment for the 1967-71 and 1974 benchmarks.

³ Estimates for government are based on a total count for Federal Government and samples for State and local government benchmarked to a quinquennial census of government conducted by the Bureau of the Census.

The measure is the standard deviation adjusted for the bias in estimates

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

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

Approximations of the root-mean-square errors (based on the experience of the last 6 years) of differences between final estimates and benchmarks are presented in table K.

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 L 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 .1 of an hour for weekly hours and 1 cent for hourly earnings.

Table K. 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 (in percent)	
		Average weekly hours	Average hourly earnings
50,000	1,900	0.9	1.5
100,000	2,700	.7	1.1
200,000	4,100	.5	.9
500,000	9,600	.4	.8
1,000,000	13,000	.3	.5
2,000,000	16,800	.3	.5

¹ Assuming 12-month intervals between benchmark revisions.

Table L. Errors of preliminary employment estimates

Size of employment estimate	Root-mean-square error of	
	Monthly level	Month-to-month change
50,000	600	600
100,000	1,000	900
200,000	1,700	1,700
500,000	2,600	2,400
1,000,000	5,000	4,900
2,000,000	9,000	8,700
10,000,000	29,000	26,000
Total nonagricultural employment	98,000	87,000
Mining	5,000	5,000
Contract construction	20,000	21,000
Manufacturing	45,000	42,000
Transportation and public utilities	13,000	11,000
Wholesale and retail trade	35,000	32,000
Finance, insurance, and real estate	7,000	7,000
Services	29,000	23,000
Government	44,000	42,000

STATISTICS FOR STATES AND AREAS

State and area employment, hours, earnings, and labor turnover data are collected and prepared by State agencies in cooperation with BLS. The area statistics relate to metropolitan areas. Definitions for all areas are published each year in the issue of *Employment and Earnings* that contains State and area annual averages (usually the May issue). Changes in definitions are noted as they occur. Additional industry detail may be obtained from the State agencies listed on the inside back cover of each issue. These statistics are based on the same establishment reports used by BLS for preparing national estimates. For employment, the sum of the State figures may differ slightly from the equivalent official U.S. totals on a

national basis, because some States have more recent benchmarks than others and because of the effects of differing industrial and geographic stratification.

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

PRODUCTIVITY DATA

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

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.

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* includes corporate profits and inventory valuation adjustments per unit of output.

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

Notes on the data

For the private business sector and the nonfarm business sector, these indexes relate to the Gross Domestic Product less households and institutions, owner-occupied, housing, and statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the Gross Domestic Product of nonfinancial corporate businesses.

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

State and area unemployment data

(E table)

Since November 1972, the Bureau of Labor Statistics has been responsible for developing the concepts and methods used by State employment security agencies to estimate State and local area labor force, employment, and unemployment. In December 1975, the Office of Management and Budget extended this responsibility to include the publication of State and local area labor force and unemployment estimates. Prior to 1972, State agencies prepared estimates using a method developed by the Department of Labor in 1950, generally referred to as the Handbook method (BES Report No. R-185). The new system combines the Handbook method with a set of procedures based on the concepts and definitions used in the national Current Population Survey (CPS). Improvements have been in two areas: (1) The estimating methodology previously used by State agencies has been modified to more closely approximate CPS definitions; and (2) The State-prepared monthly estimates are benchmarked to annual average totals from the CPS.

Federal-State cooperative program

Labor force and unemployment estimates for States, labor market areas (LMA), and other areas specifically defined for fund allocation purposes are developed under a Federal-State cooperative program and transmitted each month to BLS. The local area unemployment estimates approved by BLS are the basis for determining eligibility of an area for benefits under Federal economic assistance programs, such as those established by the Comprehensive Employment and Training Act (CETA).

ESTIMATING METHODS

Monthly employment and unemployment estimates are prepared in several stages:

1. Preliminary estimate—Employment: The total employment estimate is based primarily on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate must be adjusted to refer to place of residence as used in the Current Population Survey. Adjustment factors for the major categories of employment by class of worker and industry have been developed 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.

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 the current ratio of covered unemployment to covered employment to the employment estimate for each industry or class of worker subgroup in the State, weighted by factors reflecting national historical relationships.

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

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

U = total entrant unemployment

E = total 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. Adjustment for additivity. Using the Handbook method, States prepare independent employment and unemployment estimates for the State, and for many substate areas. An adjustment is applied to all substate estimates to ensure that the substate estimates add to the independent State totals. Specific additivity adjustment procedures vary from State to State, but are generally one of the three following basic methods: (a) If a State is comprised of mutually exclusive and exhaustive LMA's, then the difference between the independent State estimate and the sum of the estimates for the LMA's is prorated over all LMA's in the State, to produce a set of substate estimates which add to the independent State estimate; (b) If the mutually exclusive LMA's do not exhaust the geographic area of the State, then the difference between the independent State estimate and the sum of the LMA estimates, or residual, becomes the balance-of-State estimate; (c) If a State contains LMA's which are benchmarked independently (see below), estimates for these areas are subtracted from the independent State estimate and the additivity adjustment is then applied to the remaining areas in the balance of the State.

4. Benchmark correction and extrapolation procedures. Once each year all monthly estimates prepared by State employment security agencies under the Handbook method are adjusted, or benchmarked, by BLS to the annual average estimates resulting from the CPS. This adjustment is necessary because

the State-prepared estimates are not as reliable as the CPS estimates, due to differences in State UI laws, the structural limitations of the Handbook method, and errors in the UI data.

The benchmarked estimates are produced in three stages. First, the monthly Handbook estimates are adjusted by the ratio of the CPS and Handbook 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.

The benchmarked estimates are extrapolated into the current year by applying the latest relevant correction factor to the current Handbook estimates of employment and unemployment. The employment factor used in year (t) is the quotient of the December employment benchmarked and Handbook estimates in year (t-1). The unemployment factor for year (t) is the algebraic difference between the December unemployment benchmarked and Handbook estimates in year (t-1). The preliminary estimate in the current year is then the result of applying the correction factor by multiplication (for employment), or by addition (for unemployment) to the current Handbook estimate.

Unemployment insurance data

(F tables)

Insured unemployment represents the number of persons reporting a week of unemployment under an unemployment insurance program. It includes some persons who are working part time who would be counted as employed in the payroll and household surveys. Excluded are persons who have exhausted their benefit rights and workers who have not earned rights to unemployment insurance. In general, excluded from coverage are those persons engaged in agriculture, domestic service, unpaid family work, selected nonprofit organizations, some State and local government and self-employment. Also excluded from the insured unemployment count, but included as employed in the household survey, are those persons who earned no wages during the payroll period because they were temporarily absent from their jobs due to taking time off, illness and industrial dispute as well as unpaid vacations. The rate of insured unemployment is

the number of insured unemployed expressed as a percent of average covered employment in a 12-month period ending 6 to 8 months prior to the week of reference. Initial claims are notices filed by those losing jobs covered by an unemployment insurance program that they are starting a period of unemployment. A claimant who continued to be unemployed a full week is then counted in the insured unemployment figure.

Because of differences in State laws and procedures under which unemployment insurance programs are operated, State unemployment rates generally indicate, but do not precisely measure, differences among the individual States. Persons wishing to receive a detailed description of the nature, sources, inclusions and exclusions, and limitations of unemployment insurance data should address their inquiries to Employment and Training Administration, Washington, D.C. 20210.

Seasonal adjustment

Many economic statistics reflect a regularly recurring seasonal movement which can be estimated on the basis of past experience. By eliminating that part of the change which can be ascribed to usual seasonal variation, it is possible to observe the cyclical and other nonseasonal movements in the series. However, in evaluating deviations from the seasonal pattern—that is, changes in a seasonally adjusted series—it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors, but in addition, are affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment data are published regularly in *Employment and Earnings*.

The seasonal adjustment methods used for these series are an adaptation of the standard ratio-to-moving average method, with a provision for moving "adjustment factors" to take account of changing seasonal patterns. A detailed description of the method is given in the two publications, *BLS Seasonal Factor Method (1966)* and *X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15, Bureau of the Census (1967).

Data for the household series are seasonally adjusted utilizing the Census Bureau's X-11 Method. Each January, seasonal ad-

justment factors for unemployment and other labor force series are revised to take into account data from the previous year. In January 1976, in addition to the routine annual revisions, the Bureau introduced a modification in the procedure for seasonally adjusting teenage unemployment and those few other unemployment series (e.g., unemployed new entrants) of which teenagers are the exclusive or major part. All other series are adjusted following past procedures.

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

Revised seasonally adjusted series for major components of the labor force based on data through December 1975, new

seasonal factors for the 12 major components of the civilian labor force, and a description of the seasonal adjustment methodology are published in the February 1976 *Employment and Earnings*. Many additional series, which are either components or aggregates of the series presented, are available from the BLS upon request.

For establishment data, the seasonally adjusted series on hours and hourly earnings, for industry groupings are computed by applying factors directly to the corresponding unadjusted series, utilizing the BLS Seasonal Factor Method. However, seasonally adjusted employment totals for all employees and production workers by industry division are obtained by summing seasonally adjusted data for the component industries. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and average weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing seasonally adjusted average weekly earnings by the seasonally adjusted Consumer Price Index. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or non-supervisory workers, seasonally adjusted, and dividing by the 1967 base. For total private, total goods producing, total private service producing, trade, manufacturing, and durable and non-

durable goods the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1967 base.

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Postal Service in December. The employment of these workers constitutes the only significant seasonal change in Federal Government employment during the winter months. Furthermore, the volume of such employment may change substantially from year to year because of administrative decisions by the Postal Service. Hence, it was considered desirable to exclude this group from the data upon which the seasonally adjusted series is based.

Labor turnover rates are seasonally adjusted by applying appropriate seasonal factors to the rate. These factors are derived by the Census X-11 method using the trading day option. As a result these series are adjusted for the number of times each day of the week occurs in a given month, as well as for the month of the year.

The revised seasonally adjusted series for the establishment data reflect experience through June 1975. Seasonal factors to be used for current adjustment appear in the October 1975 issue of *Employment and Earnings*.

Additional information concerning the preparation of the labor force, employment, hours, earnings, and labor turnover series—concepts and scope, survey methods, and limitations—is contained in the *Handbook of Methods, BLS Bulletin 1910*.

UNITED STATES DEPARTMENT OF LABOR
Bureau of Labor Statistics

REGION I - BOSTON John Fitzgerald Kennedy Federal Bldg. Government Center - Room 1603 A Boston, Mass. 02202	REGION II - NEW YORK 1515 Broadway—Suite 3400 New York, N.Y. 10036	REGION III - PHILADELPHIA 3535 Market Street P.O. Box 13309 (Zip 19101) Philadelphia, Pa.	REGION IV - ATLANTA 1371 Peachtree Street, N.E. Atlanta, Ga. 30309
REGION V - CHICAGO 230 S. Dearborn Street Chicago, Ill. 60604	REGION VI - DALLAS 555 Griffin Sq., 2nd Fl. Dallas, Tex. 75202	REGIONS VII & VIII - KANSAS CITY 911 Walnut Street Kansas City, Mo. 64106	REGIONS IX & X - SAN FRANCISCO 450 Golden Gate Avenue, Box 36017 San Francisco, Calif. 94102

COOPERATING STATE AGENCIES

State and Local Area Unemployment Statistics Program (LAUS), Current Employment Statistics Program (CES), and Labor Turnover Statistics Program (LTS)

BLS
Region

IV ALABAMA	-Department of Industrial Relations, Industrial Relations Building, Montgomery 36104
X ALASKA	-Employment Security Division, Department of Labor, P.O. Box 3-7000, Juneau 99801
IX ARIZONA	-Department of Economic Security, P.O. Box 6123, Phoenix 85005
VI ARKANSAS	-Employment Security Division, Department of Labor, P.O. Box 2981, Little Rock 72203
IX CALIFORNIA	-Employment Development Department, P.O. Box 1679, Sacramento 95808 (LAUS and CES).
VIII COLORADO	-Division of Employment, Department of Labor and Employment, Room 222, 1210 Sherman Street, Denver 80203
I CONNECTICUT	-Employment Security Division, Labor Department, 200 Folly Brook Boulevard, Wethersfield 06109
III DELAWARE	-Department of Labor, 205 West 14th Street, Wilmington 19899
III DIST. OF COL.	-Office of Administration and Management Service, D.C. Manpower Administration, Room 626, 500 C Street, N.W., Washington 20001
IV FLORIDA	-Division of Employment Security, Department of Commerce, Caldwell Building, Tallahassee 32304
IV GEORGIA	-Employment Security Agency, Department of Labor, 254 Washington Street, S.W., Atlanta 30334
IX HAWAII	-Department of Labor and Industrial Relations, P.O. Box 3680, Honolulu 96811
X IDAHO	-Department of Employment, P.O. Box 7189, Boise 83707
V ILLINOIS	-Bureau of Employment Security, Department of Labor, 165 North Canal Street, Chicago 60606
V INDIANA	-Employment Security Division, 10 North Senate Avenue, Indianapolis 46204
VII IOWA	-Employment Security Commission, 1000 East Grand Avenue, Des Moines 50319
VII KANSAS	-Employment Security Division, Department of Labor, 401 Topeka Avenue, Topeka 66603
IV KENTUCKY	-Department of Human Resources, P.O. Box 678, Frankfort 40601
VI LOUISIANA	-Department of Employment Security, P.O. Box 44094, Capitol Station, Baton Rouge 70804
I MAINE	-Employment Security Commission, Department of Manpower Affairs, 20 Union Street, Augusta 04330
III MARYLAND	-Department of Employment and Social Services, 1100 North Eutaw Street, Baltimore 21201
I MASSACHUSETTS	-Division of Employment Security, Charles F. Hurley Employment Security Building, Government Center Boston 02114
V MICHIGAN	-Employment Security Commission, Department of Labor, 7310 Woodward Avenue, Detroit 48202
V MINNESOTA	-Department of Employment Services, 390 North Robert Street, St. Paul 55101
IV MISSISSIPPI	-Employment Security Commission, P.O. Box 1699, Jackson 39205
VII MISSOURI	-Division of Employment Security, Department of Labor and Industrial Relations, P.O. Box 59, Jefferson City 65101
VIII MONTANA	-Employment Security Division, Department of Labor and Industry, P.O. Box 1728, Helena 59601
VII NEBRASKA	-Division of Employment, Department of Labor, P.O. Box 94600, State House Station, Lincoln 68509
IX NEVADA	-Employment Security Department, P.O. Box 602, Carson City 89701
I NEW HAMPSHIRE	-Department of Employment Security, 32 South Main Street, Concord 03301
II NEW JERSEY	-Department of Labor and Industry, 202 John Fitch Plaza, Trenton 08625
VI NEW MEXICO	-Employment Security Commission, P.O. Box 1928, Albuquerque 87103
II NEW YORK	-Division of Employment, N.Y. State Department of Labor, State Campus—Building 12, Albany 12201
IV NORTH CAROLINA	-Employment Security Commission, P.O. Box 25903, Raleigh 27611
VIII NORTH DAKOTA	-Employment Security Bureau, P.O. Box 1537, Bismarck 58505
V OHIO	-Division of Research and Statistics, Bureau of Employment Services, 1455. Front St., Columbus 43216
VI OKLAHOMA	-Employment Security Commission, Will Rogers Memorial Office Building, Oklahoma City 73105
X OREGON	-Employment Division, Department of Human Resources, Room 402, Labor and Industries Building, Salem 97310
III PENNSYLVANIA	-Bureau of Employment Security, Department of Labor and Industry, Seventh and Forster Streets, Harrisburg 17121
I RHODE ISLAND	-Division of Statistics and Census, Department of Labor, Room 117, 235 Promenade Street, Providence 02908 (CES). Department of Employment Security, 24 Mason Street, Providence 02903 (LAUS and LTS)
IV SOUTH CAROLINA	-Employment Security Commission, P.O. Box 995, Columbia 29202
VIII SOUTH DAKOTA	-Department of Labor, P.O. Box 1730, Aberdeen 57401
IV TENNESSEE	-Department of Employment Security, Room 519, Cordell Hull Office Building, Nashville 37219
VI TEXAS	-Employment Commission, TEC Building, 15th and Congress Avenue, Austin 78778
VIII UTAH	-Department of Employment Security, P.O. Box 11249, Salt Lake City 84147
I VERMONT	-Department of Employment Security, P.O. Box 488, Montpelier 05602
III VIRGINIA	-Division of Research and Statistics, Department of Labor and Industry, P.O. Box 12064, Richmond 23214 (CES). Employment Commission, P.O. Box 1358, Richmond 23211 (LAUS and LTS)
X WASHINGTON	-Employment Security Department, P.O. Box 367, Olympia 98504
III WEST VIRGINIA	-Department of Employment Security, State Office Building, 112 California Avenue, Charleston 25305
V WISCONSIN	-Department of Industry, Labor, and Human Relations, P.O. Box 608, Madison 53701
VIII WYOMING	-Employment Security Commission, P.O. Box 2760, Casper 82601