

Employment and Earnings

July 1979



U. S. Department of Labor
Bureau of Labor Statistics

Vol. 26 No. 7





U.S. DEPARTMENT OF LABOR Ray Marshall, Secretary

BUREAU OF LABOR STATISTICS
Janet L. Norwood, 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), 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 \$18 domestic, and \$22.50 foreign. Single copy \$1.50 domestic, and \$1.90 foreign. Prices are subject to change by the U.S. Government Printing Office.

Communications on editorial matters should be addressed to: Editors, Employment and Earnings, Bureau of Labor Statistics, Washington, D.C. 20212. Inquiries regarding the text and *Household Data* should be addressed to: Attention of Gloria P. Green, or phone: (202) 523-1944. Inquiries relating to *Establishment Data* and all other tables should be addressed to: Attention of Chester L. Green, or phone: (202) 523-1759. 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 Riverdale, Md.

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.

Library of Congress Catalog Number 70-11379.

Employment and Earnings (Dept. of Labor
Pub.)
(USPS 081-990)

Calendar of Features

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

Household data

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

Establishment data

National annual averages:	
Industry divisions (preliminary)	Jan.
Industry detail (final)	Mar.
Women employment detail (final)	Mar.
National data adjusted to new benchmarks	Oct. ¹
Revised seasonally adjusted series	Oct. ²
State and area annual averages	May
Area definitions	May

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

² Revised data introduced October 1978.

Employment and Earnings

Vol. 26 No. 7 July 1979

Editors: Chester L. Green, Gloria P. Green

CONTENTS

	Page
List of statistical tables	2
Employment and unemployment developments, June 1979	5
Charts	7
Statistical tables:	
Not seasonally adjusted—	
Household data	19
Quarterly averages	58
Establishment data:	
Employment	73
Hours and earnings	105
Labor turnover	136
State and area unemployment data	145
Seasonally adjusted series—	
Household data	43
Quarterly averages	50
Establishment data:	
Employment	90
Hours and earnings	126
Productivity	128
Labor turnover	141
Explanatory notes	150

MONTHLY HOUSEHOLD DATA

Page

Employment Status

A- 1. Employment status of the noninstitutional population 16 years and over, 1947 to date.	19
A- 2. Employment status of the noninstitutional population 16 years and over by sex, 1967 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 race, sex, and age	26
A- 7. Employment status of the noninstitutional population 16-21 years of age by race and sex	27
A- 8. Full- and part-time status of the civilian labor force by sex, age, and race	28
A- 9. Employment status of the noninstitutional population by family relationship	29

Characteristics of the Unemployed

A-10. Unemployed persons by marital status, sex, age, and race	29
A-11. Unemployed persons by occupation of last job and sex	30
A-12. Unemployed persons by industry of last job and sex	30
A-13. Unemployed persons by reason for unemployment, sex, age, and race	31
A-14. Unemployed persons by reason for unemployment, duration, sex, and age	31
A-15. Unemployed jobseekers by the jobsearch methods used, sex, age, and race	32
A-16. Unemployed jobseekers by the jobsearch methods used, sex, and reason for unemployment	32
A-17. Unemployed persons by duration of unemployment	33
A-18. Unemployed persons by duration, sex, age, race, and marital status	33
A-19. Unemployed persons by duration, occupation, and industry of last job	34

Characteristics of the Employed

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

Characteristics of 14 and 15 year-olds

A-31. Employment status of 14-15 year-olds by sex and race	42
A-32. Employed 14-15 year-olds by sex, class of worker, and occupation	42

Seasonally Adjusted Employment and Unemployment Data

A-33. Employment status of the noninstitutional population by sex and age, seasonally adjusted	43
A-34. Full- and part-time status of the civilian labor force, seasonally adjusted	44
A-35. Employment status by race, sex, and age, seasonally adjusted	44
A-36. Major unemployment indicators, seasonally adjusted	45
A-37. Unemployed persons by duration of unemployment, seasonally adjusted	45
A-38. Rates of unemployment by sex and age, seasonally adjusted	46
A-39. Unemployed persons by reason for unemployment, seasonally adjusted	46
A-40. Employed persons by sex and age, seasonally adjusted	47
A-41. Unemployed persons by sex and age, seasonally adjusted	47
A-42. Employed persons by selected social and economic categories, seasonally adjusted	48

Characteristics of Vietnam-Era Veterans and Nonveterans

A-43. Employment status of male Vietnam-era veterans and nonveterans by age	49
---	----

QUARTERLY HOUSEHOLD DATA

Page

Seasonally Adjusted Employment and Unemployment Data

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

Persons Not in Labor Force

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

Persons of Hispanic Origin

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

Vietnam-Era Veterans and Nonveterans Data

A-67. Employment status of male Vietnam-era veterans and nonveterans by age	67
A-68. Employment status of male Vietnam-era veterans and nonveterans 25 to 39 years by age, race, and Hispanic origin	67

Metropolitan-nonmetropolitan and Poverty-nonpoverty Area Data

A-69. Employment status of the population in metropolitan-nonmetropolitan areas by sex, age, and race	68
A-70. Employment status of the population in poverty and nonpoverty areas by race	69
A-71. Unemployment rates for selected labor force groups in poverty and nonpoverty areas by sex, age, and race	69

Family Relationship Data

A-72. Unemployed persons by family relationship and presence of employed family members	70
A-73. Employed persons by family relationship and presence of additional employed family members	71

MONTHLY ESTABLISHMENT DATA

Page

Employment—National

B- 1. Employees on nonagricultural payrolls, by industry division, 1919 to date	73
B- 2. Employees on nonagricultural payrolls, by industry	74
B- 3. Women employees on nonagricultural payrolls, by industry	83
B- 4. Employees on nonagricultural payrolls, by industry, seasonally adjusted	90
B- 5. Women employees on nonagricultural payrolls, by industry, seasonally adjusted	91
B- 6. Production or nonsupervisory workers on private nonagricultural payrolls, seasonally adjusted	92
B- 7. Indexes of diffusion: Percent of industries in which employment increased	93

Employment—State and Area

B- 8. Employees on nonagricultural payrolls for States and selected areas, by industry division	94
---	----

Hours and Earnings—National

C- 1. Gross hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls, 1957 to date	105
C- 2. Gross hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls, by industry	106
C- 3. Employment, hours, and indexes of earnings in the Executive Branch of the Federal Government	122
C- 4. Average hourly earnings excluding overtime of production workers on manufacturing payrolls, by industry	122
C- 5. Gross and spendable average weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, in current and 1967 dollars	123
C- 6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers on private nonagricultural payrolls	124
C- 7. Average weekly hours of production or nonsupervisory workers on private nonagricultural payrolls, by industry division and major manufacturing group, seasonally adjusted	126
C- 8. Indexes of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted	127
C- 9. Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, seasonally adjusted	128
C-10. Hours of wage and salary workers in nonagricultural establishments, by industry division	128
C-11. Indexes of output and compensation per hour, unit costs, and prices, private business sector, seasonally adjusted	129
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	130

Hours and Earnings—State and Area

C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas	131
---	-----

Labor Turnover—National

D- 1. Labor turnover rates in manufacturing, 1969 to date	136
D- 2. Labor turnover rates, by industry	137
D- 3. Labor turnover rates in manufacturing, 1969 to date, seasonally adjusted	141

Labor Turnover—State and Area

D- 4. Labor turnover rates in manufacturing for selected States and areas	142
---	-----

MONTHLY STATE AND AREA UNEMPLOYMENT DATA

E- 1: Labor force and unemployment by State and selected metropolitan areas	145
---	-----

Employment and Unemployment Developments, June 1979

Employment rose in June, and unemployment declined slightly. The Nation's overall unemployment rate was 5.6 percent, slightly below the 5.8 percent rate in May but still little different from the rates prevailing since last August.

Total employment—as measured by the monthly survey of households—advanced by 440,000 in June to 96.8 million. This large gain and the slight increase registered in May followed a large drop in April, thus returning the employed total to close to the March level. Employment in June was 2.1 million higher than a year earlier.

Nonfarm payroll employment—as measured by the monthly survey of establishments—edged up by 100,000 in June to 88.6 million. Payroll jobs have advanced by 2.6 million since June 1978.

Unemployment

The unemployment rate was 5.6 percent in June, down slightly from May's 5.8 percent. (The jobless rate had averaged 5.8 percent over the prior 10-month period.) The number of unemployed persons was 5.8 million in June. The slight improvement was due entirely to a decline in teenage joblessness; the number of unemployed teens fell by 130,000 in June, while their unemployment rate dropped from 16.8 to 15.3 percent. Unemployment rates among adult men (3.9 percent) and adult women (5.8 percent) were unchanged over the month. Overall rates for whites (4.9 percent) and blacks (11.3 percent) were also about the same in June as they were in May, as were rates for most other worker groups. The unemployment rate for part-time workers dropped in June, a move that was probably related to the developments among teenagers. (See tables A-33 and A-36.)

Among the duration categories, there were declines in the 5-14 and 15-week-and-over groups that were somewhat offset by an increase in the short-term jobless category. Median duration of unemployment, however, was little changed at 5.6 weeks. (See table A-37.)

Total employment and the labor force

The over-the-month increase of 440,000 brought total employment to 96.8 million. More than half the job gain was among teenagers. The overall advance was about sufficient to offset the effects of the sharp March-to-April decline. Over the year, employment growth was 2.1 million, occurring entirely among adult workers and slightly more concentrated among women than men. The employment-population ratio edged up to 59.2 percent in June but was still below the

59.4 percent record of February and March. (See table A-33.)

The civilian labor force grew by 280,000 in June but was still slightly below the March level. At 102.5 million, the labor force has grown by 2 million over the year. As in the case of employment, the over-the-year labor force expansion was entirely due to gains among adults. The teenage labor force was down somewhat from June 1978, in large part because their population has begun to recede as a result of the protracted decline in the birth rate which began in the early 1960's.

Discouraged workers

After trending downward for the past 2 years, the number of discouraged workers rose by 100,000 in the second quarter to 825,000. Discouraged workers are persons who report that they want work but are not looking for jobs because they believe they can't find any. Because they do not meet the labor market test—that is, they are not engaged in current job search—they are classified as not in the labor force rather than as unemployed. These data are published on a quarterly basis. (See table A-53.)

Industry payroll employment

Nonfarm payroll employment edged up by nearly 100,000 in June to 88.6 million, as job gains took place in 54 percent of the 172 industries comprising the BLS diffusion index. Although payroll job growth has slowed in the last quarter, the number of nonfarm jobs was 2.6 million higher than a year earlier. (See tables B-4 and B-7.)

Employment in the goods-producing sector was unchanged from May, as small gains in construction (mostly highway and street repair) and mining were offset by a reduction in manufacturing. Transportation equipment was the only major manufacturing industry to experience a substantial employment decline—about 35,000.

Over-the-month employment growth in the service-producing sector was dominated by two industry groups, transportation and public utilities and services. Most of the increase in transportation and public utilities (45,000) was attributable to the return to work of striking airline employees. The services industry, which posted a June job gain of over 50,000, has grown at a faster rate than any major industry division except construction during the first 6 months of 1979. Government, trade, and finance, insurance, and real estate all maintained about the same employment levels as in May.

Hours

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls was 35.6 hours in June, down 0.1 hour from May and 0.3 hour from March. Manufacturing hours also were down a tenth of an hour over the month and were 0.7 hour below March. Factory overtime, which had recouped 0.6 hour in May, was 3.4 hours in June, still 0.4 hour below its March level. Hours had dipped sharply in April due to strike activity and holidays. (See table C-7.)

The index of aggregate weekly hours edged down 0.1 percent in June, as the small employment rise was unable to offset the decline in the average workweek. A 2.7 percent rise in the index since June 1978 reflects the employment gain over the year, as the average workweek was three-tenths of an hour below its year-ago level. (See table C-8.)

Hourly and weekly earnings

Average hourly earnings of production or nonsupervisory

workers on private nonagricultural payrolls rose 0.5 percent in June and were 8.1 percent above the level of June 1978 (seasonally adjusted). Average weekly earnings rose 0.2 percent in June and 7.2 percent over the year.

Before adjustment for seasonality, average hourly earnings rose 3 cents in June to \$6.11, 46 cents above June 1978; average weekly earnings were \$219.35 in June, \$2.90 above May and \$14.82 above June 1978. (See tables C-1 and C-9.)

The Hourly Earnings Index

The Hourly Earnings Index—earnings adjusted for overtime in manufacturing, seasonality, and the effects of changes in the proportion of workers in high-wage and low-wage industries—was 228.4 (1967=100) in June, 0.4 percent higher than in May. The index was 7.6 percent above June a year ago. During the 12-month period ended in May, the Hourly Earnings Index in dollars of constant purchasing power declined 2.8 percent. (See table C-9.)

CHARTS

	<i>Page</i>
1. Labor force and employment, 1960-79	7
2. Major unemployment indicators, 1960-79	8
3. Civilian labor force participation rates by sex and age, 1960-79	8
4. Total employment by sex and age, 1960-79	9
5. Employment-population ratios by sex and age, 1960-79	10
6. Payroll employment in goods and service-producing industries, 1960-79	10
7. Nonagricultural payroll employment by industry, 1960-79	11
8. Persons at work full and part time in nonagricultural industries, 1960-79	12
9. Employment in nonfarm occupations, 1960-79	13
10. Unemployment rates by sex and age, 1960-79	14
11. Unemployment rates by race, 1960-79	14
12. Unemployment rates by major occupational groups, 1960-79	15
13. Duration of unemployment, 1960-79	16
14. Average weekly hours in nonagricultural industries, 1960-79	17
15. Average weekly earnings in nonagricultural industries, 1960-79	17
16. Total private gross and spendable weekly earnings, 1960-79	18
17. Labor turnover rates in manufacturing, 1960-79	18

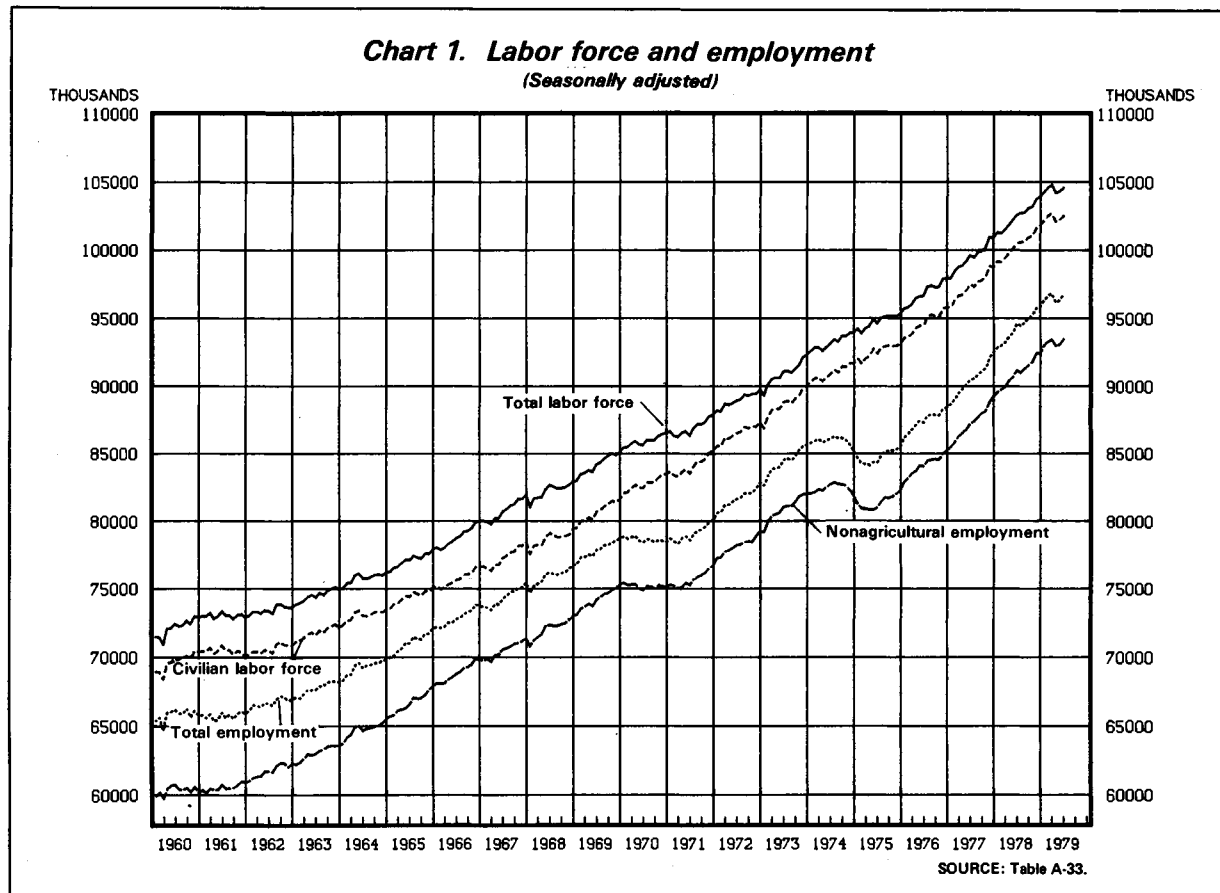


Chart 2. Major unemployment indicators
(Seasonally adjusted)

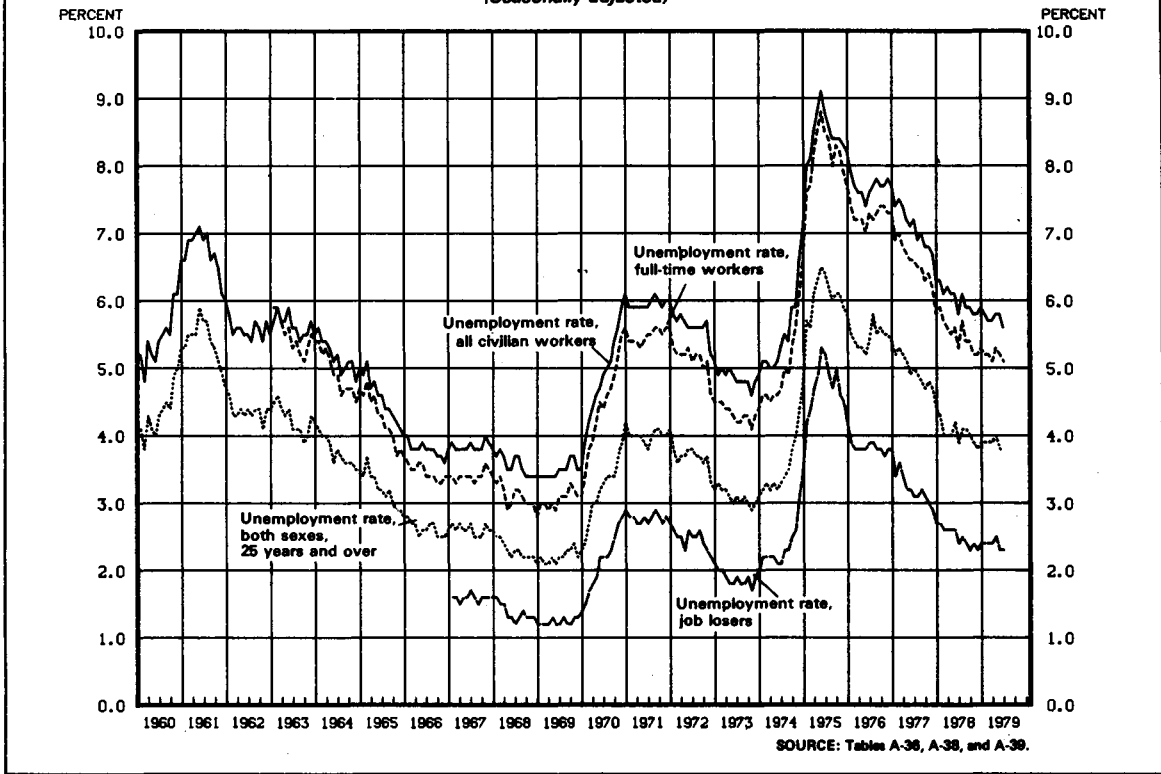


Chart 3. Civilian labor force participation rates by sex and age
(Seasonally adjusted)

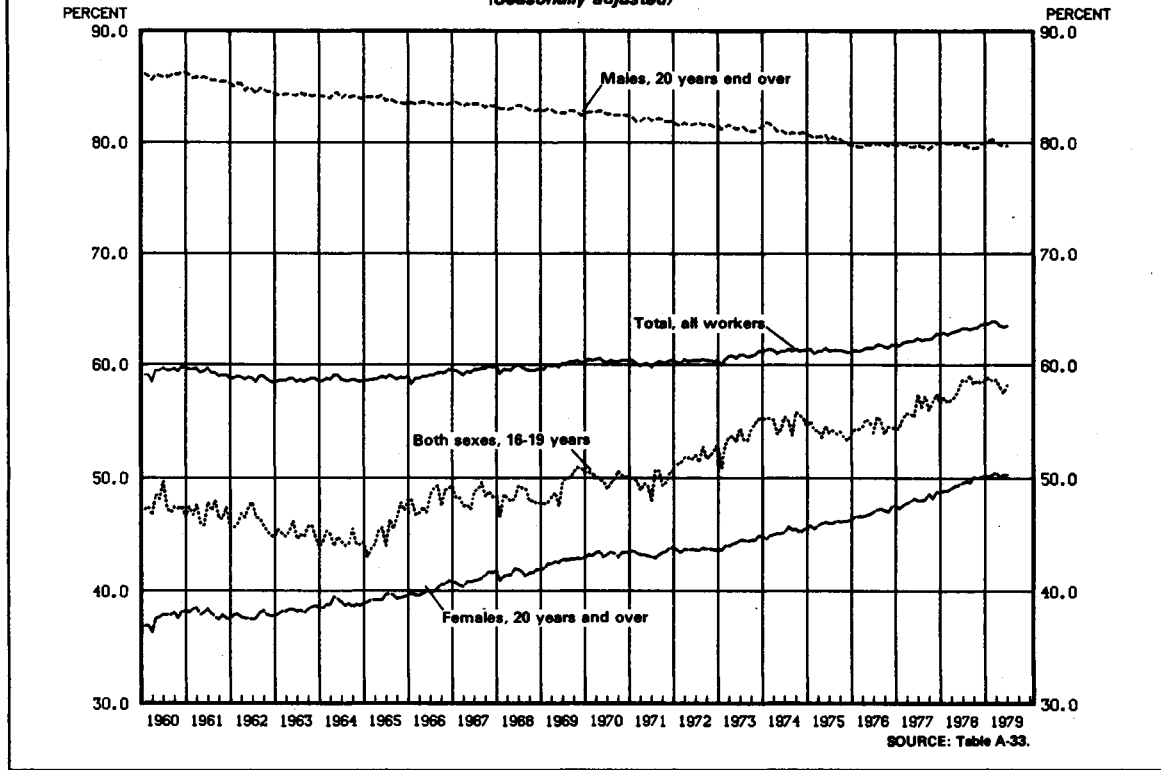
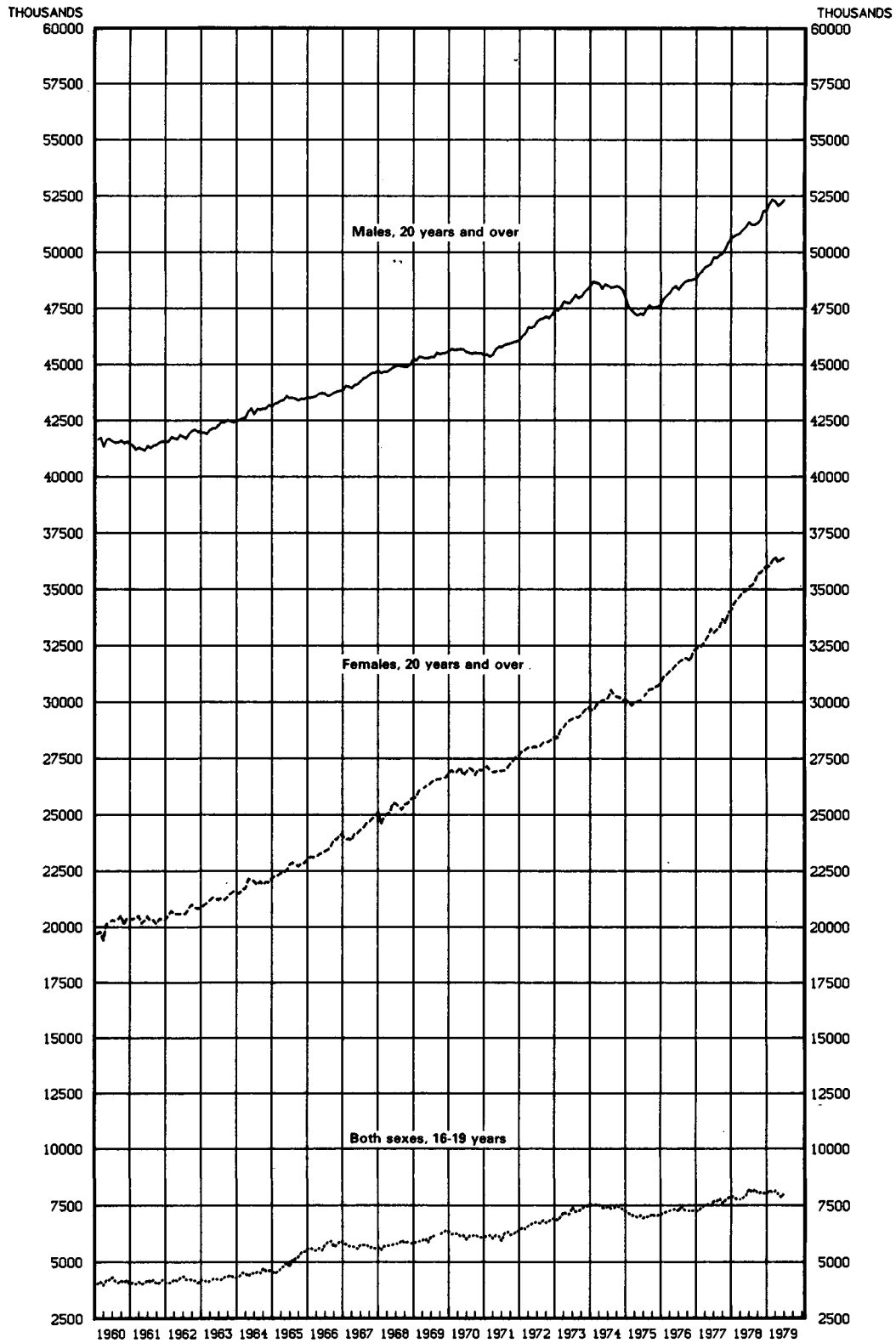


Chart 4. Total employment by sex and age

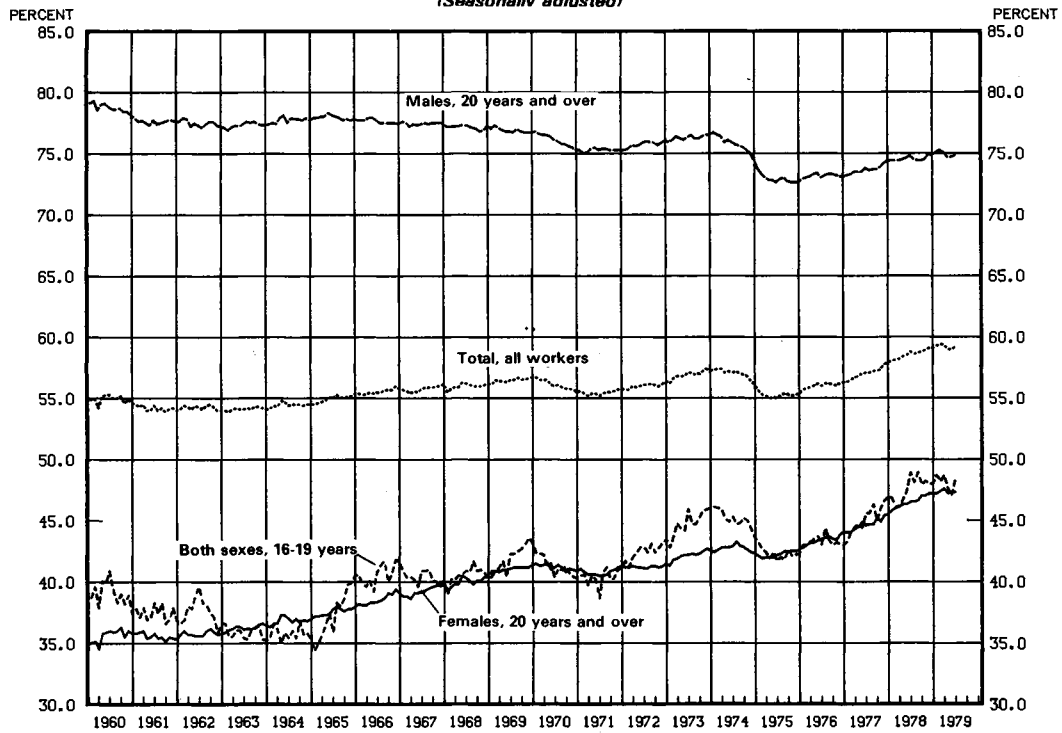
(Seasonally adjusted)



SOURCE: Table A-33.

Chart 5. Employment—population ratios by sex and age

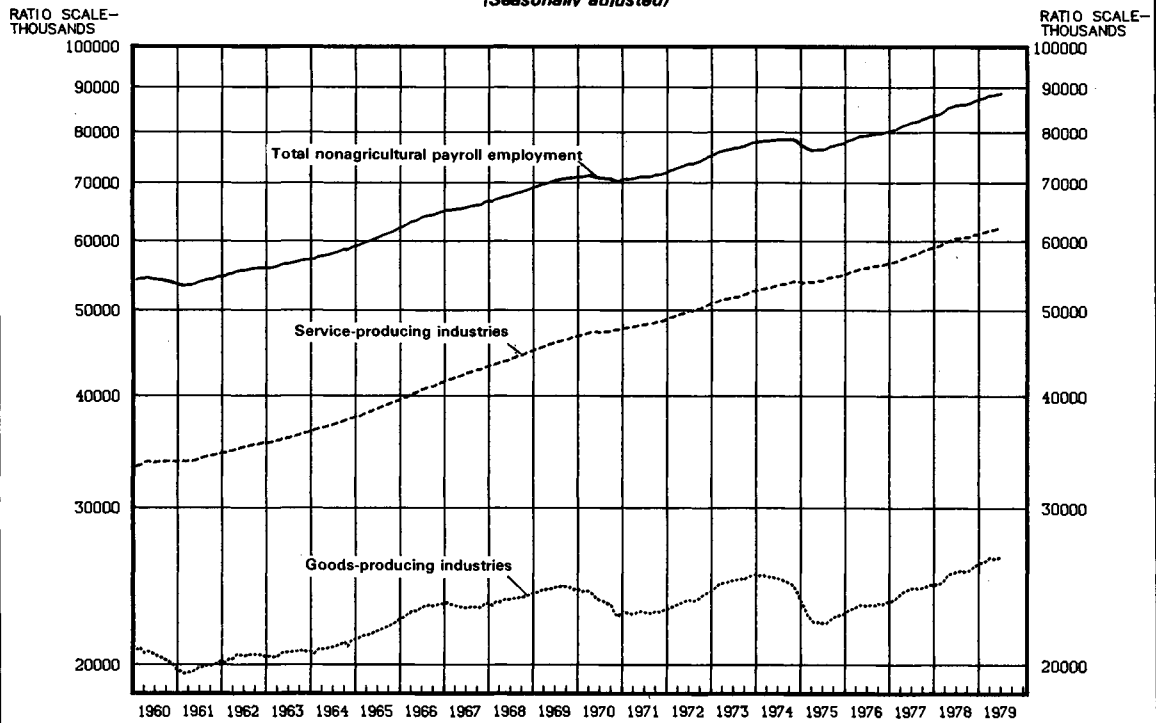
(Seasonally adjusted)



SOURCE: Table A-33.

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

(Seasonally adjusted)

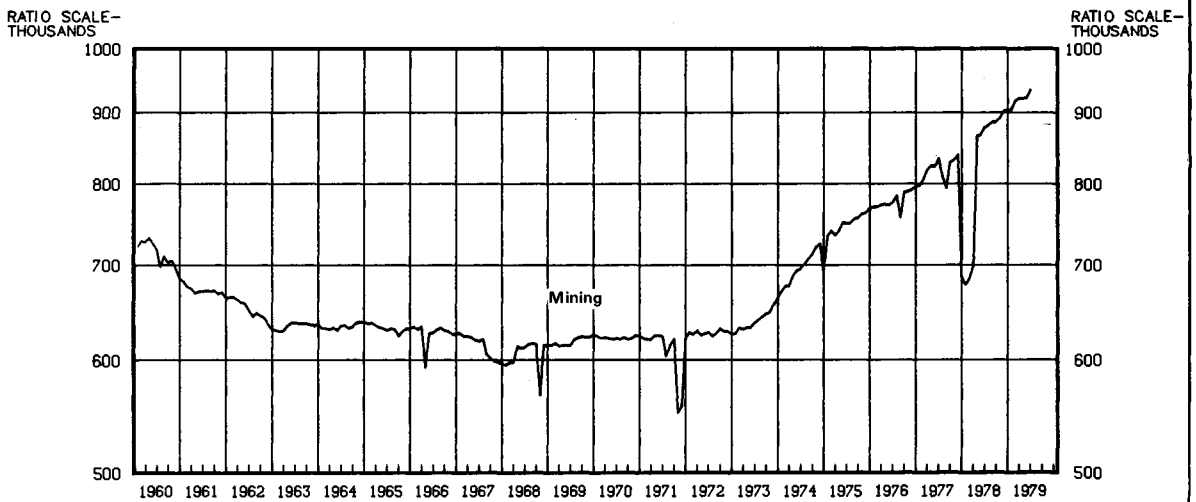
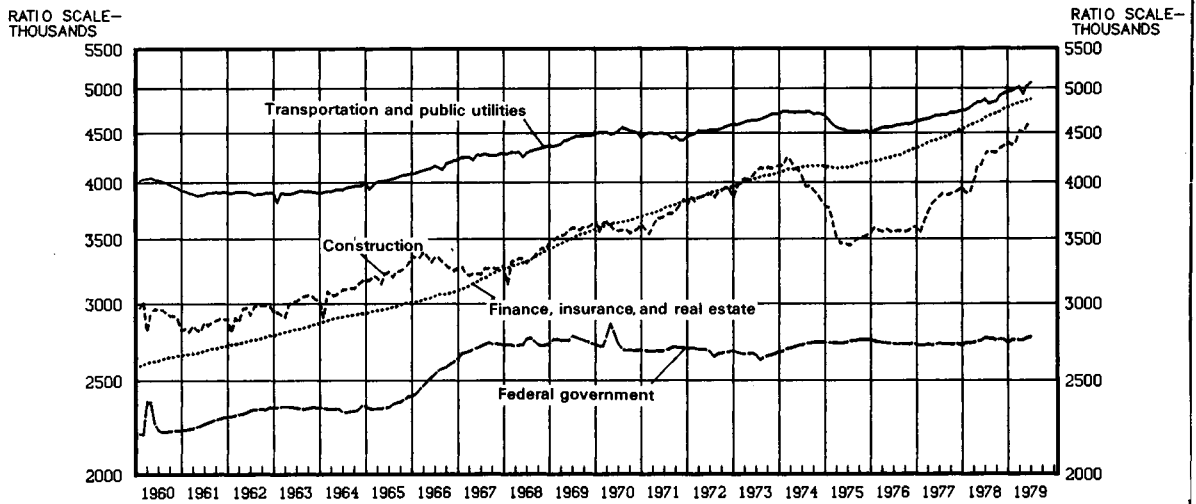
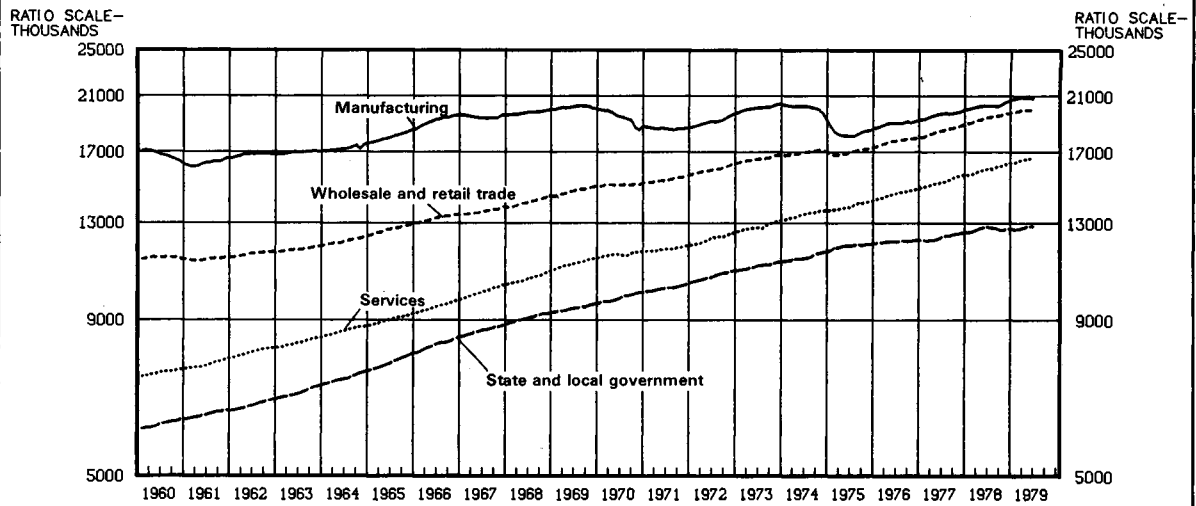


NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-4.

Chart 7. Nonagricultural payroll employment by industry

(Seasonally adjusted)

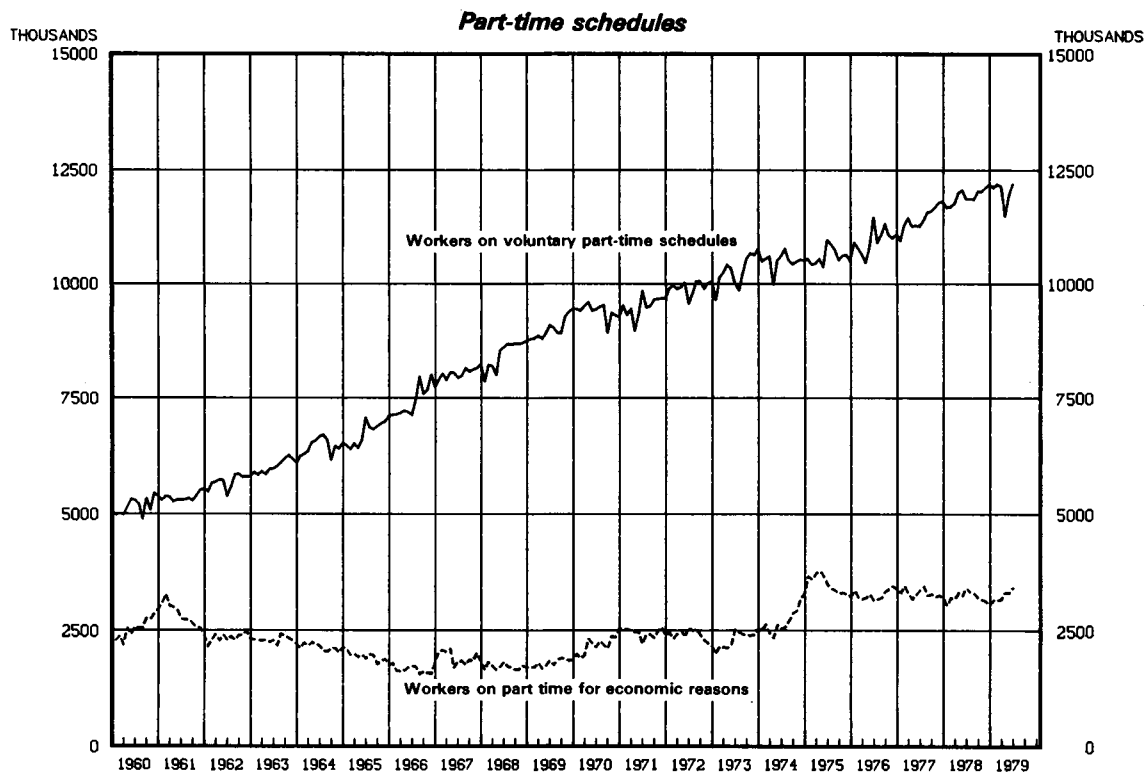
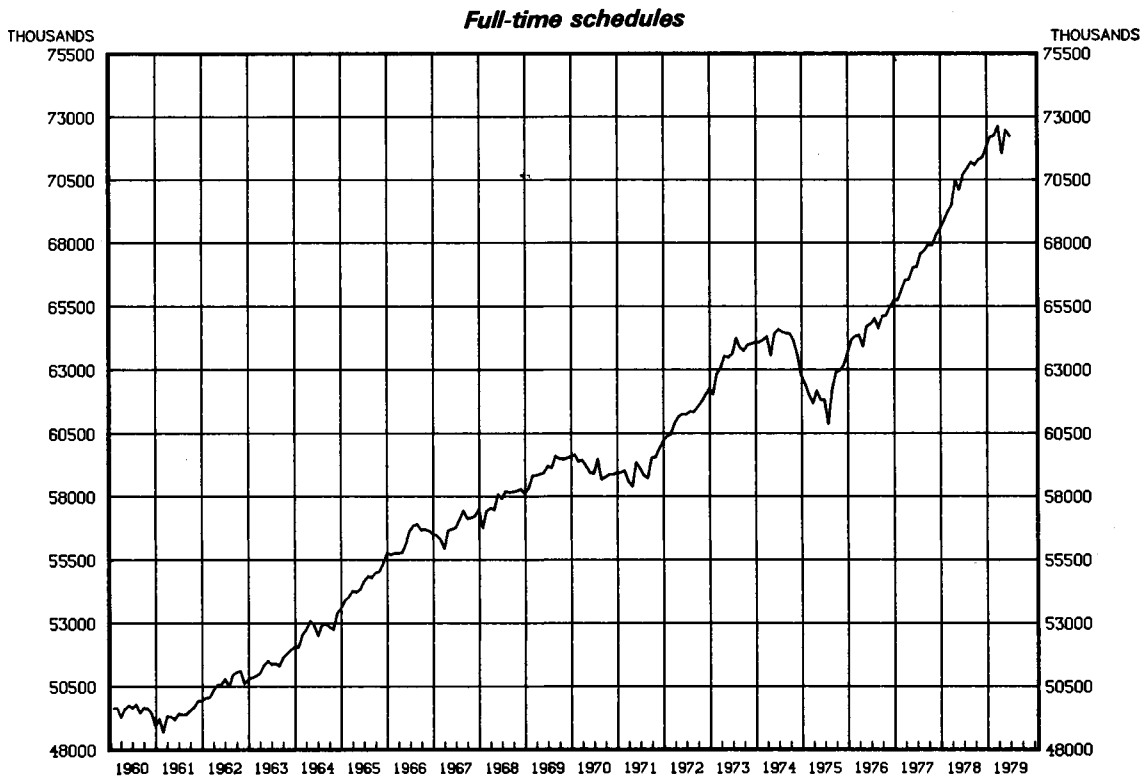


NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-4.

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

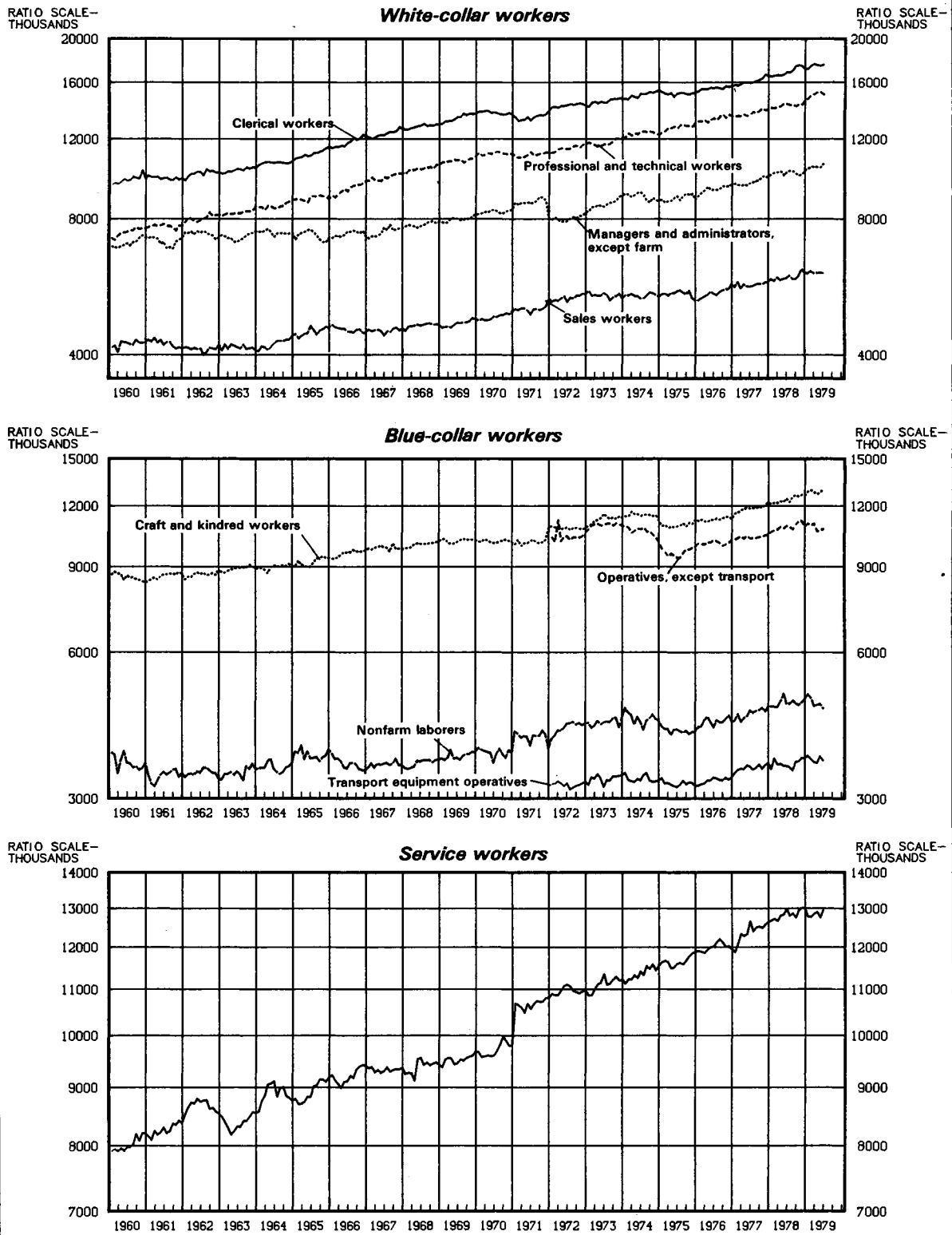
(Seasonally adjusted)



SOURCE: Table A-42.

Chart 9. Employment in nonfarm occupations

(Seasonally adjusted)

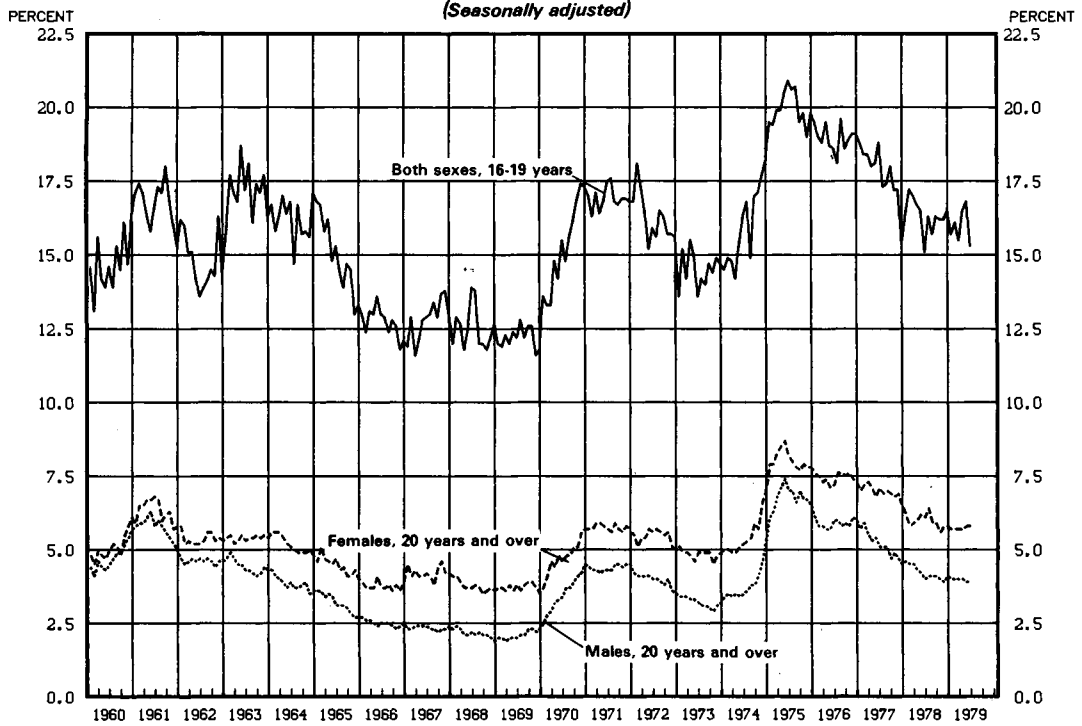


NOTE: Two breaks in series occurred in 1971 stemming from the reclassification of occupations introduced in January and from a questionnaire change concerning "major activity" introduced in December. See "Changes in occupational classification system" in the Explanatory Notes.

SOURCE: Table A-42.

Chart 10. Unemployment rates by sex and age

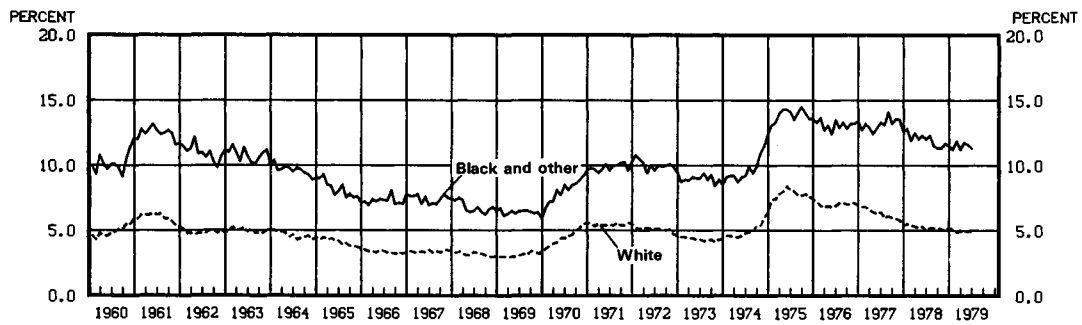
(Seasonally adjusted)



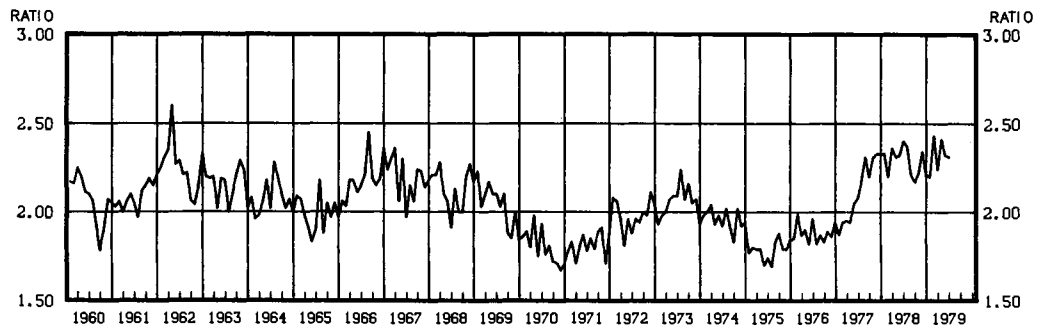
SOURCE: Table A-38.

Chart 11. Unemployment rates by race

(Seasonally adjusted)

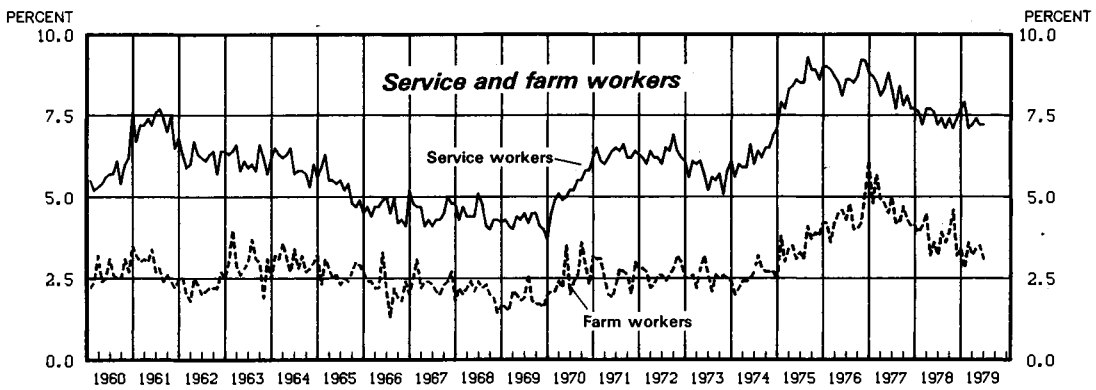
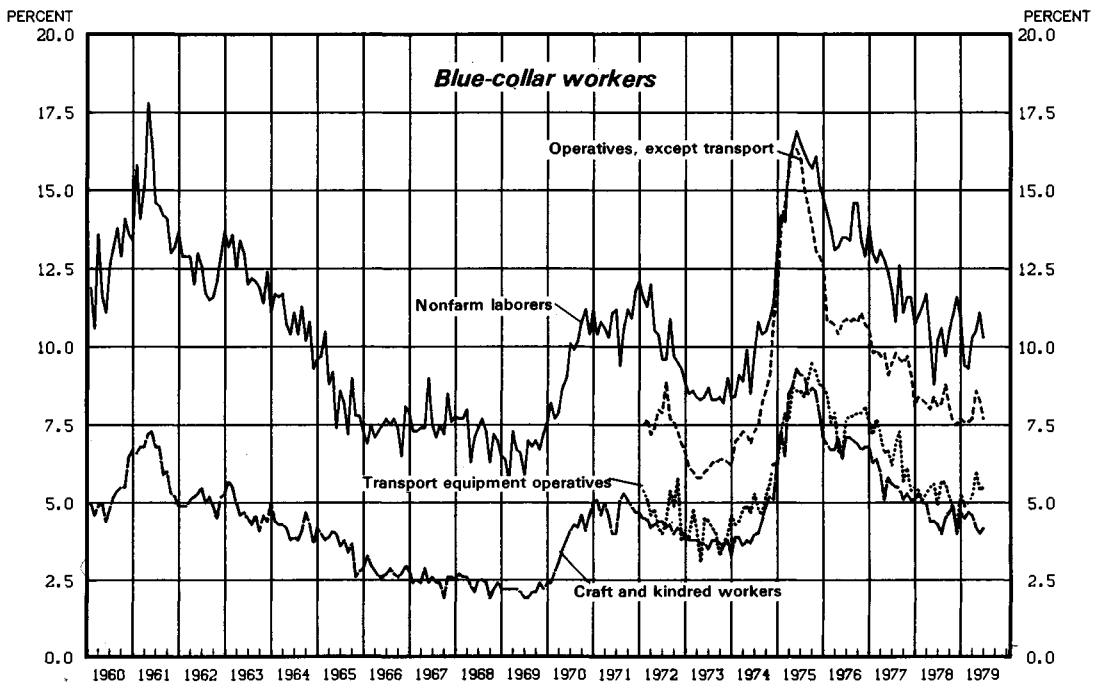
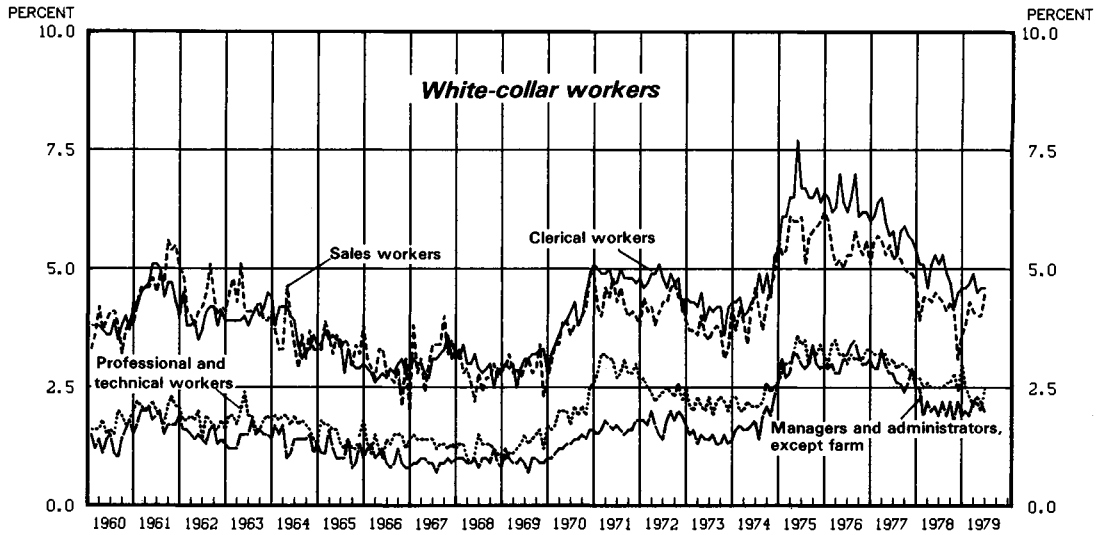


Ratio of black to white unemployment rate



SOURCE: Table A-35.

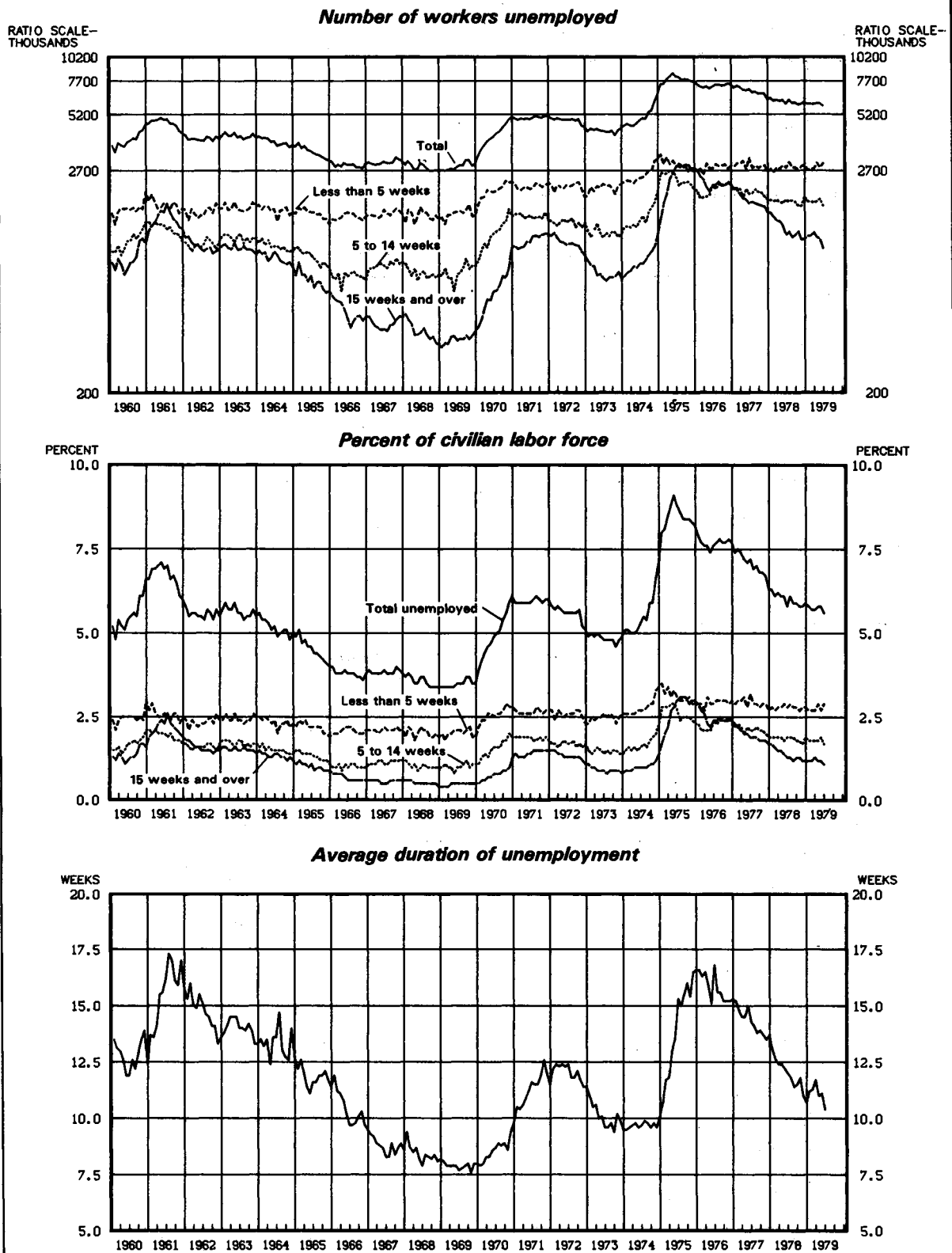
Chart 12. Unemployment rates by major occupational groups
(Seasonally adjusted)



SOURCE: Table A-36.

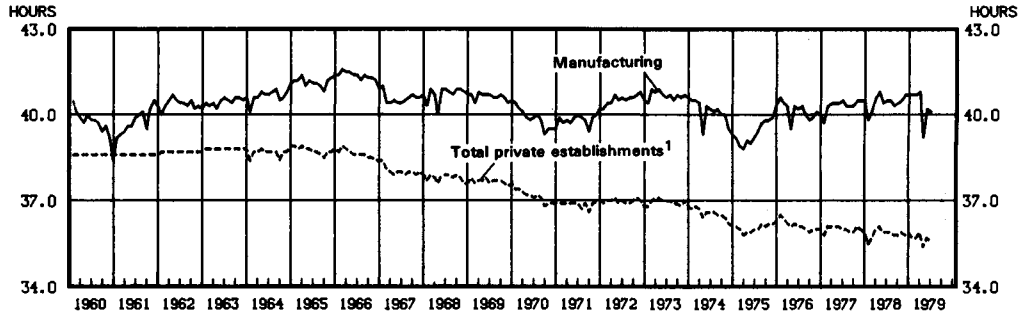
Chart 13. Duration of unemployment

(Seasonally adjusted)

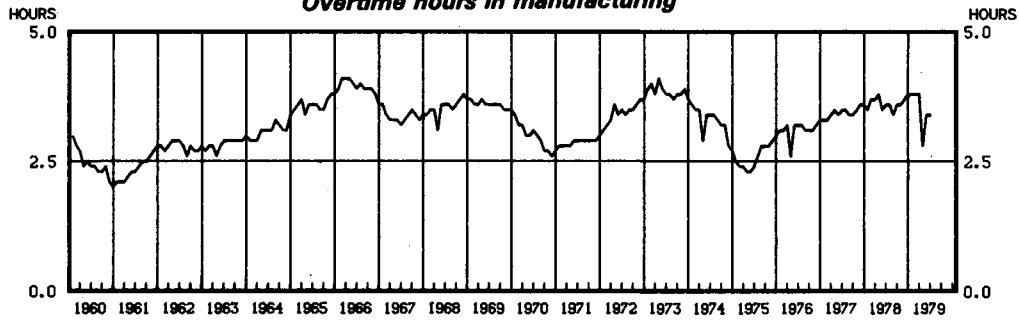


SOURCE: Table A-37.

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



Overtime hours in manufacturing

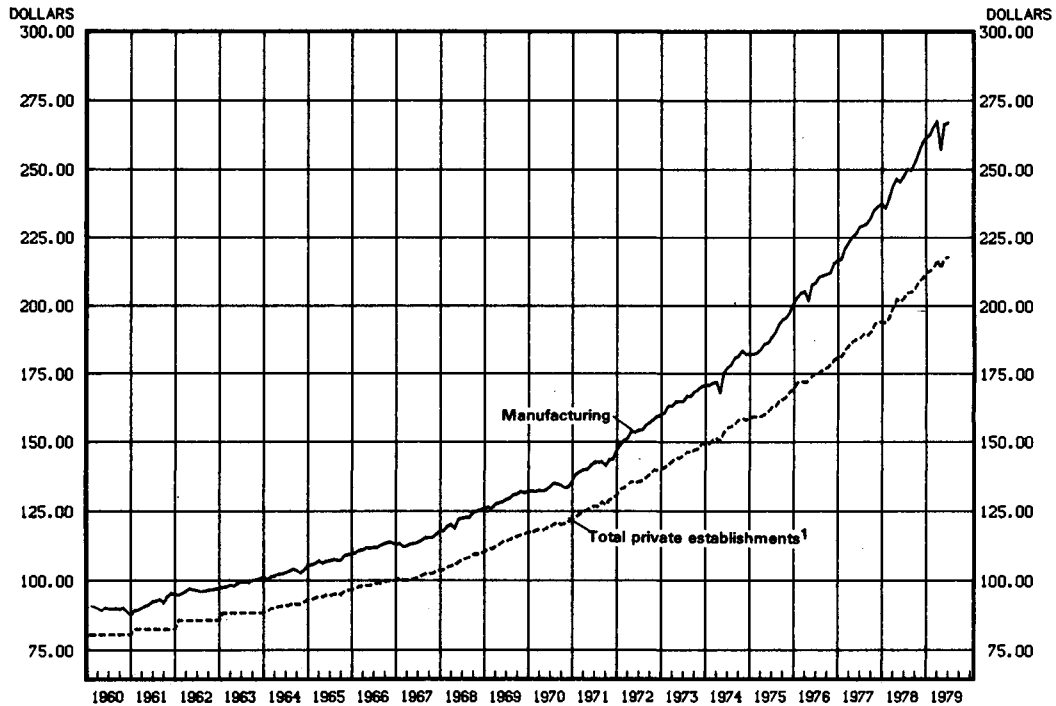


¹Annual averages prior to 1964.

NOTE: Data for two most recent months are preliminary.

SOURCE: Table C-7.

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



¹Annual averages prior to 1964.

NOTE: Data for two most recent months are preliminary.

SOURCE: Tables C-7 and C-8.

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

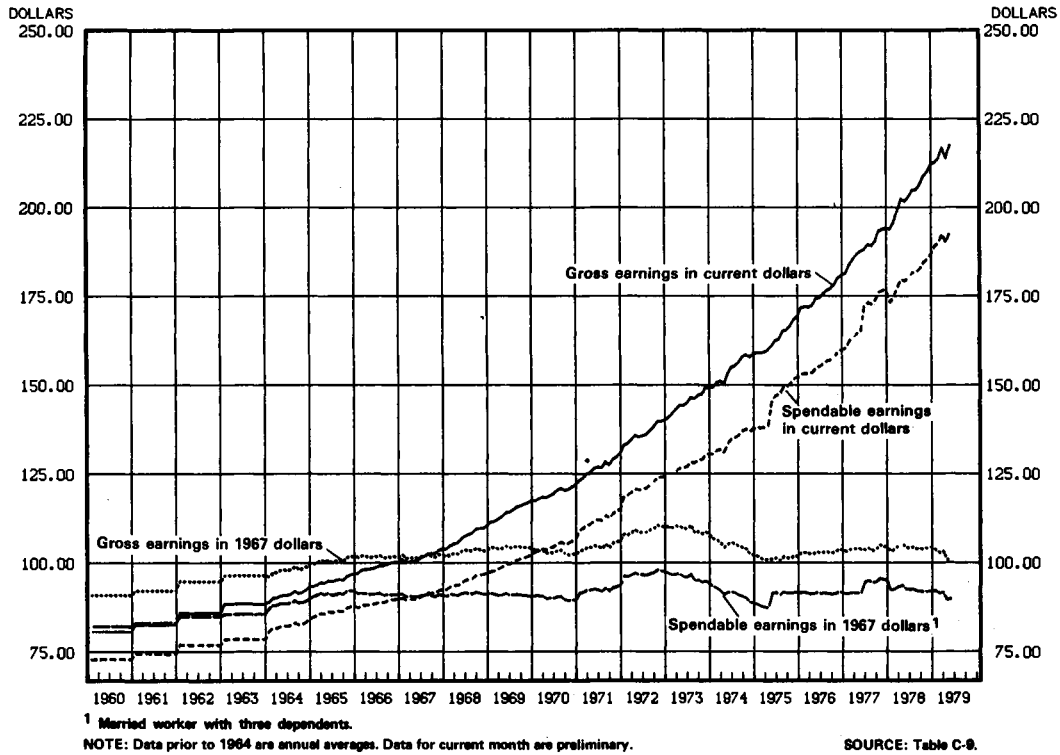
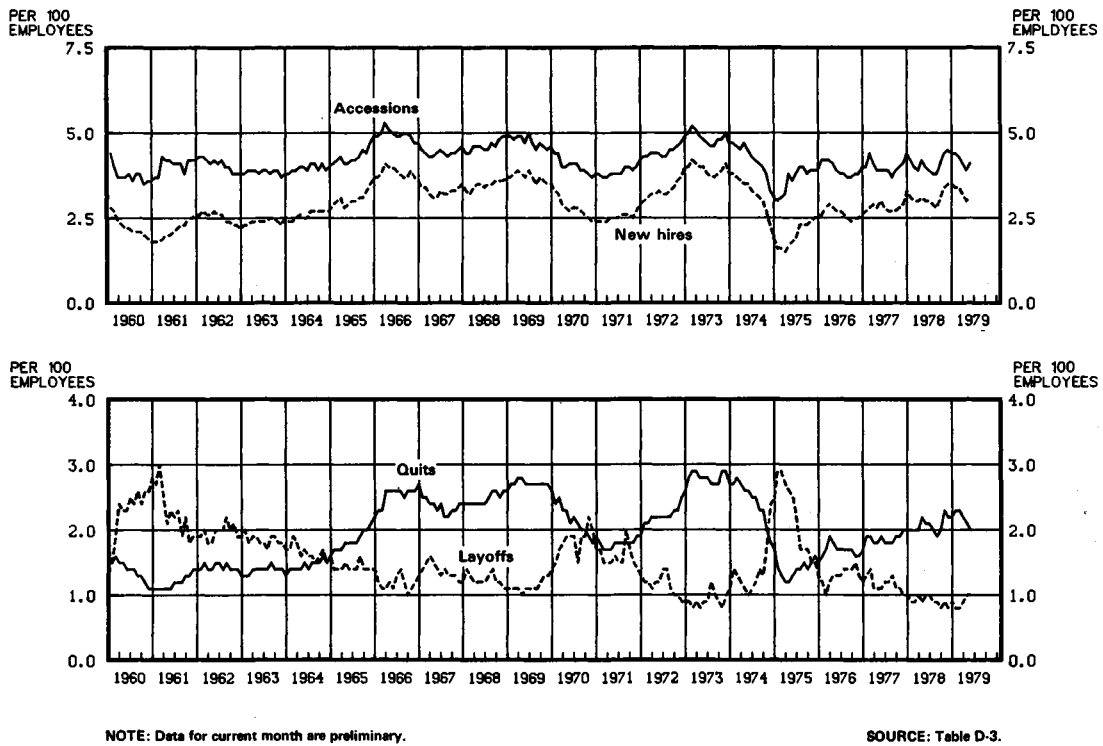


Chart 17. Labor turnover rates in manufacturing
(Seasonally adjusted)



**HOUSEHOLD DATA
HISTORICAL**

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

(Numbers in thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agri-culture	Nonagri-cultural industries	Number	Percent of labor force	
Annual averages										
TOTAL										
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.....	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	46,086
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	46,960
1960.....	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 ¹	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 ¹	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973.....	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	84,743	3,380	81,403	7,830	8.5	58,655
1976.....	156,048	96,917	62.1	94,773	87,485	3,297	84,188	7,288	7.7	59,130
1977.....	158,559	99,534	62.8	97,401	90,546	3,244	87,302	6,855	7.0	59,025
1978 ¹	161,058	102,537	63.7	100,420	94,373	3,342	91,031	6,047	6.0	58,521
Monthly data, seasonally adjusted ²										
1978:										
June.....	160,928	102,602	63.8	100,504	94,640	3,424	91,216	5,864	5.8	58,326
July.....	161,148	102,738	63.8	100,622	94,446	3,377	91,069	6,176	6.1	58,410
August....	161,348	102,785	63.7	100,663	94,723	3,351	91,372	5,940	5.9	58,563
September	161,570	103,097	63.8	100,974	95,010	3,406	91,604	5,964	5.9	58,473
October..	161,829	103,199	63.8	101,077	95,241	3,374	91,867	5,836	5.8	58,630
November.	162,033	103,745	64.0	101,628	95,751	3,275	92,476	5,877	5.8	58,288
December.	162,250	103,975	64.1	101,867	95,855	3,387	92,468	6,012	5.9	58,275
1979:										
January..	162,448	104,277	64.2	102,183	96,300	3,232	93,068	5,883	5.8	58,170
February.	162,633	104,621	64.3	102,527	96,647	3,311	93,335	5,881	5.7	58,012
March....	162,909	104,804	64.3	102,714	96,842	3,343	93,499	5,871	5.7	58,105
April....	163,008	104,193	63.9	102,111	96,174	3,186	92,987	5,937	5.8	58,815
May.....	163,260	104,325	63.9	102,247	96,318	3,184	93,134	5,929	5.8	58,935
June.....	163,469	104,604	64.0	102,528	96,754	3,260	93,494	5,774	5.6	58,865

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

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

**HOUSEHOLD DATA
HISTORICAL**

A-2. Employment status of the noninstitutional population 16 years and over by sex, 1967 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										
Annual averages										
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 ¹	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.....	74,739	58,397	78.1	56,359	52,391	2,716	49,675	3,968	7.0	16,341
1977.....	75,981	59,467	78.3	57,449	53,861	2,639	51,222	3,588	6.2	16,514
1978 ¹	77,169	60,535	78.4	58,542	55,491	2,681	52,810	3,051	5.2	16,634
Monthly data, seasonally adjusted²										
1978:										
June.....	77,102	60,555	78.5	58,582	55,766	2,745	53,021	2,816	4.8	16,546
July.....	77,206	60,492	78.4	58,502	55,531	2,718	52,813	2,971	5.1	16,715
August...	77,301	60,510	78.3	58,517	55,580	2,695	52,885	2,937	5.0	16,792
September	77,407	60,552	78.2	58,559	55,594	2,739	52,855	2,965	5.1	16,855
October...	77,546	60,717	78.3	58,725	55,754	2,707	53,047	2,971	5.1	16,829
November..	77,643	61,006	78.6	59,019	56,096	2,614	53,482	2,923	5.0	16,636
December..	77,746	61,095	78.6	59,116	56,072	2,702	53,370	3,044	5.1	16,651
1979:										
January..	77,839	61,438	78.9	59,475	56,449	2,596	53,854	3,026	5.1	16,401
February..	77,926	61,501	78.9	59,538	56,549	2,649	53,900	2,989	5.0	16,425
March....	78,054	61,515	78.8	59,560	56,559	2,656	53,963	3,001	5.0	16,543
April....	78,105	61,215	78.4	59,268	56,267	2,559	53,708	3,001	5.1	16,890
May.....	78,225	61,206	78.2	59,262	56,352	2,583	53,769	2,910	4.9	17,019
June.....	78,323	61,387	78.4	59,446	56,638	2,609	54,029	2,808	4.7	16,936
FEMALES										
Annual averages										
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.....	81,309	38,520	47.4	38,414	35,095	582	34,513	3,320	8.6	42,789
1977.....	82,577	40,067	48.5	39,952	36,685	605	36,080	3,267	8.2	42,510
1978 ¹	83,890	42,002	50.1	41,878	38,882	661	38,221	2,996	7.2	41,887
Monthly data, seasonally adjusted²										
1978:										
June.....	83,826	42,047	50.2	41,922	38,874	679	38,195	3,048	7.3	41,779
July.....	83,941	42,246	50.3	42,120	38,915	659	38,256	3,205	7.6	41,695
August...	84,047	42,276	50.3	42,146	39,143	656	38,487	3,003	7.1	41,772
September	84,162	42,545	50.6	42,415	39,416	667	38,749	2,999	7.1	41,618
October...	84,283	42,482	50.4	42,352	39,487	667	38,820	2,865	6.8	41,801
November..	84,390	42,738	50.6	42,609	39,655	661	38,994	2,954	6.9	41,652
December..	84,504	42,880	50.7	42,751	39,783	685	39,098	2,968	6.9	41,624
1979:										
January..	84,608	42,840	50.6	42,708	39,851	636	39,214	2,857	6.7	41,769
February..	84,707	43,121	50.9	42,989	40,098	663	39,435	2,891	6.7	41,587
March....	84,851	43,289	51.0	43,153	40,283	687	39,596	2,870	6.7	41,563
April....	84,903	42,978	50.6	42,843	39,907	627	39,279	2,936	6.9	41,925
May.....	85,035	43,121	50.7	42,986	39,966	601	39,365	3,019	7.0	41,914
June.....	85,145	43,217	50.8	43,082	40,116	651	39,465	2,966	6.9	41,929

¹ See footnote 1, table A-1.

² See footnote 2, table A-1.

HOUSEHOLD DATA

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

(Numbers in thousands)

Sex, age, and race	June 1979										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALES											
16 years and over	62,752	80.1	60,811	57,817	2,993	4.9	15,572	278	1,765	1,726	11,803
16 to 21 years	10,063	79.1	9,411	8,145	1,266	13.5	2,661	19	1,366	31	1,245
16 to 19 years	6,230	73.9	5,950	4,965	985	16.6	2,205	14	1,156	17	1,018
16 to 17 years	2,643	63.4	2,631	2,120	511	19.4	1,528	13	820	8	687
18 to 19 years	3,587	84.1	3,320	2,845	474	14.3	677	1	336	9	331
20 to 64 years	54,570	90.5	52,909	50,961	1,948	3.7	5,718	101	605	1,270	3,742
20 to 24 years	9,378	91.5	8,636	7,946	690	8.0	876	9	389	38	440
25 to 54 years	38,099	94.6	37,181	36,104	1,076	2.9	2,159	56	210	657	1,236
25 to 29 years	8,637	95.5	8,274	7,924	350	4.2	405	5	121	51	229
30 to 34 years	7,771	96.1	7,528	7,319	209	2.8	318	9	40	105	164
35 to 39 years	6,315	96.3	6,125	5,977	148	2.4	245	13	26	66	139
40 to 44 years	5,271	95.1	5,185	5,069	116	2.2	270	7	13	99	150
45 to 49 years	5,075	93.7	5,045	4,932	114	2.3	343	13	3	133	194
50 to 54 years	5,031	89.7	5,025	4,884	140	2.8	579	9	7	203	359
55 to 64 years	7,093	72.6	7,092	6,910	181	2.6	2,683	36	6	574	2,067
55 to 59 years	4,396	82.0	4,395	4,276	119	2.7	963	27	4	302	630
60 to 64 years	2,697	61.1	2,697	2,635	63	2.3	1,720	9	2	272	1,437
65 years and over	1,951	20.3	1,951	1,891	60	3.1	7,649	163	3	440	7,043
65 to 69 years	1,116	29.4	1,116	1,077	39	3.5	2,676	53	2	164	2,457
70 years and over	835	14.4	835	814	21	2.5	4,973	110	2	276	4,586
White											
16 years and over	55,728	80.8	54,188	51,896	2,291	4.2	13,245	226	1,289	1,409	10,321
16 to 21 years	8,828	81.7	8,325	7,378	947	11.4	1,983	15	976	24	968
16 to 19 years	5,496	76.9	5,280	4,545	735	13.9	1,647	12	818	16	800
16 to 17 years	2,372	67.5	2,362	1,971	391	16.6	1,141	11	570	7	553
18 to 19 years	3,124	86.1	2,918	2,574	344	11.8	506	1	248	9	248
20 to 64 years	48,480	91.2	47,156	45,646	1,510	3.2	4,707	75	469	1,028	3,135
20 to 24 years	8,151	92.5	7,580	7,060	520	6.9	664	4	303	26	331
25 to 54 years	33,866	95.3	33,114	32,271	843	2.5	1,668	38	161	526	943
25 to 29 years	14,505	96.5	14,017	13,595	423	3.0	532	9	129	122	272
30 to 34 years	10,326	96.4	10,094	9,895	200	2.0	382	9	23	137	213
35 to 44 years	9,034	92.3	9,002	8,782	220	2.4	753	20	10	266	458
55 to 64 years	6,463	73.1	6,462	6,315	147	2.3	2,375	33	5	476	1,861
55 to 59 years	3,991	82.6	3,990	3,895	95	2.4	838	25	3	250	559
60 to 64 years	2,472	61.7	2,472	2,420	52	2.1	1,537	7	2	226	1,302
65 years and over	1,752	20.3	1,752	1,706	46	2.6	6,891	139	2	365	6,385
Black and other											
16 years and over	7,024	75.1	6,623	5,921	702	10.6	2,327	52	475	317	1,482
16 to 21 years	1,235	64.5	1,086	767	319	29.4	679	4	390	8	277
16 to 19 years	734	56.8	671	421	250	37.3	558	2	338	--	217
16 to 17 years	271	41.2	269	149	120	44.5	387	2	250	1	134
18 to 19 years	463	73.1	401	271	130	32.4	171	1	88	--	83
20 to 64 years	6,090	85.8	5,753	5,315	438	7.6	1,012	26	136	242	607
20 to 24 years	1,227	85.3	1,056	886	170	16.1	212	5	86	12	109
25 to 54 years	4,234	89.6	4,068	3,833	235	5.8	492	19	49	132	293
25 to 29 years	1,903	90.9	1,785	1,648	136	7.6	191	5	32	34	121
30 to 34 years	1,259	90.5	1,215	1,151	64	5.2	132	11	16	28	76
35 to 44 years	1,072	86.4	1,068	1,034	34	3.2	168	3	--	70	95
55 to 64 years	630	67.2	630	596	34	5.4	308	3	1	97	206
55 to 59 years	404	76.4	404	381	23	5.8	125	1	1	51	71
60 to 64 years	226	55.2	226	215	11	4.8	183	1	--	46	135
65 years and over	199	20.8	199	185	14	7.1	757	24	1	75	658

HOUSEHOLD DATA

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

(Numbers in thousands)

Sex, age, and race	June 1979										
	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	43,477	51.1	43,342	40,100	3,242	7.5	41,669	32,638	1,839	1,101	6,091
16 to 21 years	8,139	65.3	8,086	6,652	1,433	17.7	4,324	1,556	1,418	22	1,328
16 to 19 years	5,113	62.0	5,091	4,042	1,049	20.6	3,136	826	1,197	13	1,100
16 to 17 years	2,174	53.8	2,173	1,628	545	25.1	1,865	288	809	7	762
18 to 19 years	2,940	69.8	2,918	2,414	503	17.2	1,270	538	388	6	338
20 to 64 years	37,220	58.9	37,108	34,945	2,164	5.8	25,967	22,217	638	508	2,604
20 to 24 years	7,243	70.7	7,175	6,424	751	10.5	2,995	2,148	357	22	468
25 to 54 years	25,493	60.7	25,451	24,155	1,296	5.1	16,533	14,657	277	264	1,332
25 to 29 years	5,893	64.0	5,862	5,463	399	6.8	3,315	2,935	125	20	235
30 to 34 years	5,006	60.3	4,997	4,698	300	6.0	3,292	2,933	57	36	266
35 to 39 years	4,190	60.8	4,188	3,978	209	5.0	2,707	2,386	43	39	240
40 to 44 years	3,770	64.2	3,769	3,626	142	3.8	2,099	1,846	33	35	186
45 to 49 years	3,365	58.9	3,365	3,244	121	3.6	2,353	2,102	19	42	190
50 to 54 years	3,270	54.2	3,270	3,145	124	3.8	2,767	2,456	1	93	216
55 to 64 years	4,483	41.0	4,483	4,366	117	2.6	6,440	5,411	4	222	804
55 to 59 years	2,829	48.1	2,828	2,757	71	2.5	3,056	2,615	1	111	330
60 to 64 years	1,655	32.8	1,655	1,609	46	2.8	3,383	2,796	3	111	474
65 years and over	1,143	8.3	1,143	1,113	30	2.6	12,566	9,594	4	580	2,387
65 to 69 years	730	15.4	730	715	15	2.0	4,011	3,262	--	103	645
70 years and over	413	4.6	413	398	15	3.7	8,555	6,332	4	477	1,742
White											
16 years and over	37,513	50.6	37,408	35,023	2,385	6.4	36,652	29,203	1,321	865	5,263
16 to 21 years	7,165	68.2	7,123	6,086	1,037	14.6	3,333	1,184	1,034	19	1,096
16 to 19 years	4,514	65.1	4,497	3,718	779	17.3	2,420	627	864	10	919
16 to 17 years	1,922	56.8	1,922	1,512	410	21.3	1,461	208	599	5	649
18 to 19 years	2,592	73.0	2,575	2,206	369	14.3	959	419	265	5	270
20 to 64 years	31,995	58.4	31,907	30,327	1,581	5.0	22,812	19,758	453	390	2,211
20 to 24 years	6,253	72.2	6,200	5,689	510	8.2	2,407	1,760	255	21	370
25 to 54 years	21,745	59.8	21,711	20,743	968	4.5	14,589	13,068	192	196	1,132
25 to 34 years	9,165	61.1	9,135	8,628	507	5.6	5,828	5,264	118	45	401
35 to 44 years	6,810	61.7	6,807	6,549	258	3.8	4,229	3,750	54	52	373
45 to 54 years	5,770	56.0	5,769	5,566	203	3.5	4,532	4,055	20	99	359
55 to 64 years	3,997	40.7	3,997	3,895	102	2.5	5,816	4,930	5	173	709
55 to 59 years	2,515	47.7	2,515	2,453	62	2.5	2,752	2,376	3	87	287
60 to 64 years	1,481	32.6	1,481	1,441	40	2.7	3,064	2,554	3	86	422
65 years and over	1,004	8.1	1,004	978	26	2.6	11,420	8,818	4	464	2,133
Black and other											
16 years and over	5,964	54.3	5,934	5,077	857	14.4	5,017	3,435	518	236	828
16 to 21 years	974	49.6	963	566	397	41.2	991	372	384	3	232
16 to 19 years	599	45.6	594	325	270	45.4	716	200	332	2	181
16 to 17 years	251	38.3	251	116	135	53.9	404	80	209	2	113
18 to 19 years	348	52.8	343	209	134	39.1	311	120	123	--	66
20 to 64 years	5,226	62.4	5,201	4,617	583	11.2	3,156	2,459	185	118	393
20 to 24 years	990	62.7	975	735	240	24.6	569	388	102	1	98
25 to 54 years	3,749	65.9	3,739	3,411	328	8.8	1,943	1,589	83	68	201
25 to 34 years	1,733	69.0	1,724	1,532	192	11.1	779	604	63	11	100
35 to 44 years	1,150	66.6	1,149	1,055	94	8.2	577	482	22	21	53
45 to 54 years	866	59.6	866	824	42	4.8	587	504	--	36	47
55 to 64 years	486	43.8	486	471	15	3.2	623	481	--	49	95
55 to 59 years	313	50.8	313	304	9	3.0	304	239	--	24	43
60 to 64 years	173	35.2	173	167	6	3.5	319	242	--	25	52
65 years and over	139	10.8	139	136	4	2.5	1,145	776	--	116	254

HOUSEHOLD DATA

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979
MALES								
16 years and over	61,952	62,752	80.4	80.1	59,979	60,811	79.8	79.6
16 to 19 years	6,345	6,230	74.8	73.9	6,048	5,950	73.9	73.0
16 to 17 years	2,753	2,643	65.0	63.4	2,735	2,631	64.6	63.3
18 to 19 years	3,592	3,587	84.7	84.1	3,313	3,320	83.6	83.1
20 to 24 years	9,228	9,378	91.2	91.5	8,485	8,636	90.5	90.8
25 to 54 years	37,280	38,099	94.4	94.6	36,350	37,181	94.3	94.5
25 to 34 years	15,886	16,408	95.6	95.8	15,274	15,802	95.5	95.6
35 to 44 years	11,261	11,585	95.8	95.7	10,980	11,309	95.7	95.6
45 to 54 years	10,134	10,106	91.1	91.6	10,096	10,070	91.0	91.6
55 to 64 years	7,101	7,093	73.7	72.6	7,100	7,092	73.7	72.5
55 to 59 years	4,422	4,396	83.6	82.0	4,420	4,395	83.6	82.0
60 to 64 years	2,679	2,697	61.6	61.1	2,679	2,697	61.6	61.1
65 years and over	1,996	1,951	21.3	20.3	1,996	1,951	21.3	20.3
White								
16 years and over	55,114	55,728	81.0	80.8	53,522	54,188	80.6	80.4
16 to 19 years	5,599	5,496	77.8	76.9	5,362	5,280	77.0	76.2
16 to 17 years	2,451	2,372	68.4	67.5	2,436	2,362	68.3	67.4
18 to 19 years	3,148	3,124	87.1	86.1	2,927	2,918	86.2	85.2
20 to 24 years	8,088	8,151	92.7	92.5	7,506	7,580	92.2	91.9
25 to 54 years	33,189	33,866	95.0	95.3	32,418	33,114	94.9	95.2
25 to 34 years	14,064	14,505	96.2	96.5	13,564	14,017	96.1	96.3
35 to 44 years	10,016	10,326	96.3	96.4	9,779	10,094	96.2	96.4
45 to 54 years	9,109	9,034	91.9	92.3	9,075	9,002	91.9	92.3
55 to 64 years	6,454	6,463	74.0	73.1	6,452	6,462	74.0	73.1
55 to 59 years	4,018	3,991	84.2	82.6	4,017	3,990	84.2	82.6
60 to 64 years	2,436	2,472	61.6	61.7	2,435	2,472	61.6	61.7
65 years and over	1,784	1,752	21.1	20.3	1,784	1,752	21.1	20.3
Black and other								
16 years and over	6,838	7,024	75.3	75.1	6,456	6,623	74.2	74.0
16 to 19 years	747	734	58.3	56.8	686	671	56.2	54.6
16 to 17 years	302	271	46.1	41.2	300	269	45.9	41.0
18 to 19 years	445	463	71.1	73.1	386	401	68.1	70.1
20 to 24 years	1,140	1,227	81.8	85.3	979	1,056	79.5	83.3
25 to 54 years	4,092	4,234	89.6	89.6	3,932	4,068	89.2	89.2
25 to 34 years	1,822	1,903	91.5	90.9	1,710	1,785	91.0	90.3
35 to 44 years	1,245	1,259	92.0	90.5	1,201	1,215	91.7	90.2
45 to 54 years	1,025	1,072	83.8	86.4	1,021	1,068	83.8	86.4
55 to 64 years	647	630	70.9	67.2	647	630	70.9	67.2
55 to 59 years	403	404	77.7	76.4	403	404	77.7	76.4
60 to 64 years	244	226	61.8	55.2	244	226	61.8	55.2
65 years and over	213	199	22.9	20.8	213	199	22.9	20.8

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	
	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979
FEMALES								
16 years and over	42,325	43,477	50.5	51.1	42,200	43,342	50.4	51.0
16 to 19 years	5,162	5,113	62.2	62.0	5,142	5,091	62.1	61.9
16 to 17 years	2,206	2,174	53.7	53.8	2,205	2,173	53.7	53.8
18 to 19 years	2,956	2,940	70.5	69.8	2,937	2,918	70.3	69.7
20 to 24 years	7,144	7,243	70.7	70.7	7,079	7,175	70.5	70.5
25 to 54 years	24,470	25,493	59.3	60.7	24,430	25,451	59.3	60.6
25 to 34 years	10,295	10,899	60.6	62.3	10,261	10,860	60.5	62.2
35 to 44 years	7,569	7,960	61.1	62.4	7,566	7,956	61.1	62.3
45 to 54 years	6,605	6,635	55.6	56.4	6,604	6,634	55.6	56.4
55 to 64 years	4,389	4,483	40.7	41.0	4,389	4,483	40.7	41.0
55 to 59 years	2,804	2,829	48.2	48.1	2,804	2,828	48.2	48.1
60 to 64 years	1,586	1,655	32.0	32.8	1,586	1,655	32.0	32.8
65 years and over	1,158	1,143	8.7	8.3	1,158	1,143	8.7	8.3
White								
16 years and over	36,495	37,513	49.9	50.6	36,395	37,408	49.8	50.5
16 to 19 years	4,528	4,514	64.8	65.1	4,512	4,497	64.7	65.0
16 to 17 years	1,952	1,922	56.6	56.8	1,951	1,922	56.6	56.8
18 to 19 years	2,576	2,592	72.7	73.0	2,561	2,575	72.6	72.9
20 to 24 years	6,148	6,253	71.7	72.2	6,096	6,200	71.5	72.0
25 to 54 years	20,867	21,745	58.3	59.8	20,836	21,711	58.3	59.8
25 to 34 years	8,632	9,165	59.1	61.1	8,605	9,135	59.1	61.1
35 to 44 years	6,449	6,810	60.2	61.7	6,446	6,807	60.2	61.7
45 to 54 years	5,785	5,770	55.3	56.0	5,784	5,769	55.3	56.0
55 to 64 years	3,910	3,997	40.3	40.7	3,910	3,997	40.3	40.7
55 to 59 years	2,495	2,515	47.8	47.7	2,495	2,515	47.8	47.7
60 to 64 years	1,414	1,481	31.6	32.6	1,414	1,481	31.6	32.6
65 years and over	1,041	1,004	8.6	8.1	1,041	1,004	8.6	8.1
Black and other								
16 years and over	5,830	5,964	54.7	54.3	5,805	5,934	54.6	54.2
16 to 19 years	634	599	48.5	45.6	631	594	48.4	45.4
16 to 17 years	254	251	38.8	38.3	254	251	38.8	38.3
18 to 19 years	380	348	58.3	52.8	376	343	58.1	52.4
20 to 24 years	996	990	65.1	62.7	982	975	64.6	62.3
25 to 54 years	3,603	3,749	65.6	65.9	3,595	3,739	65.5	65.8
25 to 34 years	1,663	1,733	69.6	69.0	1,656	1,724	69.5	68.9
35 to 44 years	1,120	1,150	66.9	66.6	1,119	1,149	66.9	66.6
45 to 54 years	820	866	57.4	59.6	820	866	57.3	59.6
55 to 64 years	480	486	44.5	43.8	480	486	44.5	43.8
55 to 59 years	308	313	51.3	50.8	308	313	51.3	50.8
60 to 64 years	171	173	36.0	35.2	171	173	36.0	35.2
65 years and over	117	139	9.4	10.8	117	139	9.4	10.8

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

[Numbers in thousands]

Sex and age	June 1979						
	Civilian labor force						Not in labor force
	Total	Employed			Unemployed		
		Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
TOTAL							
16 years and over	10,655	9,234	288	8,946	1,421	13.3	6,353
16 to 19 years	1,091	602	35	566	490	44.9	1,129
16 to 17 years	455	212	21	190	243	53.4	696
18 to 19 years	636	390	14	376	247	38.7	433
20 to 24 years	1,756	1,381	34	1,347	375	21.4	671
25 to 54 years	6,539	6,043	142	5,901	497	7.6	2,047
25 to 34 years	2,915	2,625	54	2,571	289	9.9	782
35 to 44 years	2,013	1,869	47	1,822	144	7.1	595
45 to 54 years	1,612	1,549	41	1,508	63	3.9	671
55 to 64 years	967	921	45	876	45	4.7	838
55 to 59 years	619	589	23	566	30	4.9	383
60 to 64 years	348	332	22	310	15	4.4	455
65 years and over	302	288	32	256	14	4.7	1,667
Males							
16 years and over	5,603	4,958	213	4,746	644	11.5	2,025
16 to 19 years	581	346	24	320	236	40.6	489
16 to 17 years	236	120	17	102	116	49.2	339
18 to 19 years	345	226	7	218	121	35.1	150
20 to 24 years	906	755	24	731	151	16.7	173
25 to 54 years	3,409	3,196	107	3,087	214	6.3	429
25 to 34 years	1,480	1,357	45	1,312	122	8.2	155
35 to 44 years	1,035	972	33	939	63	6.1	114
45 to 54 years	895	867	30	837	28	3.1	161
55 to 64 years	535	503	29	474	31	5.8	288
55 to 59 years	345	324	16	309	21	6.1	119
60 to 64 years	190	179	14	165	10	5.3	169
65 years and over	172	160	27	133	12	7.0	645
Females							
16 years and over	5,052	4,276	75	4,200	777	15.4	4,328
16 to 19 years	510	256	11	246	254	49.7	640
16 to 17 years	219	92	4	88	127	58.1	357
18 to 19 years	291	164	7	158	126	43.4	283
20 to 24 years	850	626	10	616	224	26.3	498
25 to 54 years	3,130	2,847	35	2,814	283	9.0	1,618
25 to 34 years	1,435	1,268	9	1,259	167	11.6	627
35 to 44 years	978	897	14	883	81	8.3	481
45 to 54 years	717	682	11	671	35	4.9	510
55 to 64 years	432	418	16	402	14	3.3	550
55 to 59 years	274	265	7	257	9	3.4	264
60 to 64 years	158	153	8	145	5	3.1	286
65 years and over	130	128	5	123	2	1.8	1,022

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 race, sex, and age

(Numbers in thousands)

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979
TOTAL								
Total noninstitutional population	160,928	163,469	68,623	69,889	75,527	76,896	16,779	16,684
Total labor force	104,276	106,228	55,606	56,521	37,162	38,363	11,508	11,344
Percent of population	64.8	65.0	81.0	80.9	49.2	49.9	68.6	68.0
Civilian labor force	102,178	104,153	53,931	54,860	37,057	38,251	11,190	11,041
Employed	95,852	97,917	51,907	52,852	34,793	36,058	9,153	9,007
Agriculture	3,963	3,785	2,617	2,509	761	741	605	535
Nonagricultural industries	91,869	94,132	49,290	50,343	34,031	35,316	8,548	8,472
Unemployed	6,326	6,235	2,024	2,008	2,265	2,194	2,037	2,034
Percent of labor force	6.2	6.0	3.8	3.7	6.1	5.7	18.2	18.4
Not in labor force	56,651	57,240	13,016	13,367	38,364	38,533	5,271	5,340
White								
Total noninstitutional population	141,194	143,137	60,822	61,830	66,182	67,230	14,190	14,077
Total labor force	91,608	93,241	49,515	50,232	31,966	32,999	10,127	10,010
Percent of population	64.9	65.1	81.4	81.2	48.3	49.1	71.4	71.1
Civilian labor force	89,917	91,596	48,160	48,908	31,883	32,911	9,874	9,776
Employed	85,198	86,919	46,591	47,352	30,204	31,305	8,402	8,262
Agriculture	3,618	3,420	2,357	2,270	701	658	560	491
Nonagricultural industries	81,580	83,499	44,235	45,081	29,503	30,647	7,842	7,771
Unemployed	4,719	4,677	1,569	1,556	1,679	1,607	1,472	1,514
Percent of labor force	5.2	5.1	3.3	3.2	5.3	4.9	14.9	15.5
Not in labor force	49,586	49,897	11,307	11,598	34,215	34,232	4,063	4,067
Black and other								
Total noninstitutional population	19,734	20,331	7,800	8,058	9,345	9,666	2,589	2,607
Total labor force	12,668	12,988	6,092	6,289	5,196	5,365	1,381	1,334
Percent of population	64.2	63.9	78.1	78.0	55.6	55.5	53.3	51.1
Civilian labor force	12,261	12,557	5,771	5,952	5,174	5,340	1,316	1,265
Employed	10,655	10,998	5,315	5,500	4,588	4,753	751	745
Agriculture	366	366	260	238	60	83	46	44
Nonagricultural industries	10,289	10,633	5,056	5,262	4,528	4,670	706	701
Unemployed	1,606	1,559	455	452	586	587	565	520
Percent of labor force	13.1	12.4	7.9	7.6	11.3	11.0	42.9	41.1
Not in labor force	7,066	7,344	1,709	1,769	4,149	4,301	1,208	1,274

HOUSEHOLD DATA

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

(Numbers in thousands)

Employment status	June 1979								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
TOTAL									
Total noninstitutional population	25,187	12,724	12,463	21,308	10,810	10,498	3,879	1,914	1,965
Total labor force	18,201	10,063	8,139	15,992	8,828	7,165	2,209	1,235	974
Percent of population	72.3	79.1	65.3	75.1	81.7	68.2	56.9	64.5	49.6
Civilian labor force	17,497	9,411	8,086	15,448	8,325	7,123	2,049	1,086	963
Employed	14,797	8,145	6,652	13,464	7,378	6,086	1,333	767	566
Agriculture	755	620	136	692	573	119	63	46	17
Nonagricultural industries	14,042	7,526	6,516	12,772	6,805	5,967	1,270	721	549
Unemployed	2,699	1,266	1,433	1,984	947	1,037	716	319	397
Looking for full-time work	2,061	987	1,075	1,511	740	771	550	246	304
Looking for part-time work	638	279	359	472	207	265	166	73	93
Percent of labor force	15.4	13.5	17.7	12.8	11.4	14.6	34.9	29.4	41.2
Not in labor force	6,986	2,661	4,324	5,316	1,983	3,333	1,670	679	991
Major activity: going to school									
Civilian labor force	1,344	711	633	1,152	600	552	192	112	80
Employed	1,028	546	482	937	494	443	91	52	39
Agriculture	27	23	4	27	23	5	--	--	--
Nonagricultural industries	1,001	523	478	910	471	439	91	52	39
Unemployed	316	165	151	215	106	109	101	60	41
Looking for full-time work	149	78	71	99	50	50	50	28	22
Looking for part-time work	167	87	79	115	56	60	51	31	20
Percent of labor force	23.5	23.2	23.8	18.6	17.6	19.8	52.7	53.5	51.5
Not in labor force	2,784	1,366	1,418	2,010	976	1,034	774	390	384
Major activity: other									
Civilian labor force	16,153	8,700	7,453	14,296	7,725	6,570	1,857	975	882
Employed	13,769	7,599	6,170	12,527	6,884	5,643	1,242	715	527
Agriculture	728	597	131	665	550	115	63	46	17
Nonagricultural industries	13,041	7,003	6,039	11,862	6,333	5,529	1,179	669	510
Unemployed	2,383	1,101	1,283	1,769	841	927	615	259	355
Looking for full-time work	1,912	909	1,003	1,412	691	721	500	218	282
Looking for part-time work	471	192	279	357	151	206	115	41	73
Percent of labor force	14.8	12.7	17.2	12.4	10.9	14.1	33.1	26.6	40.3
Not in labor force	4,202	1,295	2,907	3,306	1,007	2,299	896	288	607

HOUSEHOLD DATA

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

[Numbers in thousands]

Race, sex, and age	June 1979								
	Full-time labor force				Part-time labor force				
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full-time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
Both sexes, 16 years and over	50,698	81,327	4,239	5,132	5.7	13,455	12,352	1,103	8.2
16 to 21 years	13,254	9,473	1,720	2,061	15.6	4,243	3,605	638	15.0
16 to 19 years	7,580	4,838	1,275	1,467	19.4	3,461	2,894	566	16.4
16 to 17 years	2,579	1,297	654	628	24.4	2,225	1,797	428	19.2
18 to 19 years	5,002	3,542	621	839	16.8	1,235	1,097	138	11.2
20 years and over	83,117	76,489	2,964	3,665	4.4	9,994	9,457	537	5.4
20 to 24 years	14,215	12,061	871	1,284	9.0	1,596	1,439	157	9.8
25 years and over	63,902	64,428	2,093	2,381	3.5	8,399	8,018	380	4.5
25 to 54 years	57,157	53,453	1,615	2,088	3.7	5,474	5,190	284	5.2
55 years and over	11,745	10,974	479	292	2.5	2,925	2,828	96	3.3
Males, 16 years and over	56,743	52,135	2,027	2,580	4.5	4,068	3,655	413	10.2
16 to 21 years	7,473	5,592	895	987	13.2	1,938	1,658	279	14.4
16 to 19 years	4,305	2,910	674	721	16.7	1,646	1,381	264	16.1
20 years and over	52,438	49,225	1,353	1,859	3.5	2,423	2,274	149	6.1
20 to 24 years	8,111	7,057	418	637	7.9	525	472	53	10.1
25 years and over	44,326	42,168	936	1,222	2.8	1,898	1,802	96	5.1
25 to 54 years	36,527	34,795	711	1,021	2.8	655	598	55	8.4
55 years and over	7,800	7,374	225	201	2.6	1,243	1,203	40	3.2
Females, 16 years and over	33,955	29,192	2,212	2,552	7.5	9,387	8,697	690	7.4
16 to 21 years	5,781	3,881	825	1,075	18.6	2,305	1,946	359	15.6
16 to 19 years	3,276	1,928	601	747	22.8	1,815	1,513	302	16.6
20 years and over	30,679	27,263	1,611	1,805	5.9	7,572	7,184	388	5.1
20 to 24 years	6,104	5,004	453	647	10.6	1,071	967	104	9.7
25 years and over	24,576	22,259	1,158	1,158	4.7	6,502	6,217	285	4.4
25 to 54 years	20,630	18,659	904	1,067	5.2	4,820	4,592	229	4.8
55 years and over	3,946	3,601	254	91	2.3	1,681	1,625	56	3.3
White									
Males, 16 years and over	50,582	46,945	1,664	1,973	3.9	3,605	3,288	318	8.8
16 to 21 years	6,609	5,102	767	740	11.2	1,716	1,509	207	12.0
16 to 19 years	3,823	2,695	586	542	14.2	1,457	1,264	193	13.2
20 years and over	46,759	44,250	1,078	1,431	3.1	2,149	2,024	125	5.8
20 to 24 years	7,116	6,307	336	474	6.7	464	418	47	10.1
25 years and over	39,644	37,943	743	958	2.4	1,684	1,606	78	4.6
25 to 54 years	32,542	31,195	548	795	2.4	572	524	48	8.4
55 years and over	7,102	6,744	195	163	2.3	1,112	1,081	30	2.7
Females, 16 years and over	28,897	25,227	1,825	1,845	6.4	8,511	7,971	540	6.3
16 to 21 years	5,044	3,545	728	771	15.3	2,079	1,814	265	12.8
16 to 19 years	2,884	1,784	538	561	19.5	1,613	1,396	218	13.5
20 years and over	26,013	23,443	1,287	1,284	4.9	6,898	6,575	323	4.7
20 to 24 years	5,209	4,410	376	423	8.1	991	904	88	8.8
25 years and over	20,805	19,033	910	861	4.1	5,907	5,672	235	4.0
25 to 54 years	17,264	15,763	718	782	4.5	4,447	4,262	185	4.2
55 years and over	3,541	3,271	192	79	2.2	1,460	1,410	50	3.4
Black and other									
Males, 16 years and over	6,160	5,190	363	607	9.9	463	368	95	20.5
16 to 21 years	864	490	128	246	28.5	222	149	73	32.7
16 to 19 years	482	215	88	179	37.0	189	117	71	37.8
20 years and over	5,679	4,975	275	429	7.5	274	250	24	8.6
20 to 24 years	995	750	82	163	16.4	61	54	6	(2)
25 years and over	4,682	4,225	193	264	5.6	213	196	17	8.0
25 to 54 years	3,985	3,596	163	226	5.7	81	74	7	8.6
55 years and over	697	630	29	38	5.5	132	122	10	7.6
Females, 16 years and over	5,058	3,965	386	707	14.0	876	726	150	17.1
16 to 21 years	737	335	98	304	41.2	226	133	93	41.3
16 to 19 years	392	145	62	185	47.2	202	118	84	41.8
20 years and over	4,666	3,820	324	522	11.2	673	608	65	9.7
20 to 24 years	895	595	77	224	25.0	80	63	16	20.6
25 years and over	3,770	3,226	246	299	7.9	594	545	49	8.2
25 to 54 years	3,367	2,896	185	285	8.5	372	330	43	11.6
55 years and over	404	330	61	13	3.2	222	215	6	2.7

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. Employment status of the noninstitutional population by family relationship

(Numbers in thousands)

Family relationship	June 1979									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over	104,153	64.5	97,917	6,235	6.0	57,240	32,916	3,603	2,827	17,894
Husbands ¹	40,864	81.6	39,889	974	2.4	9,229	111	128	1,128	7,863
With employed wife	19,970	92.1	19,512	458	2.3	1,711	19	69	377	1,247
With unemployed wife	1,043	94.0	976	67	6.4	67	—	6	18	43
With wife not in labor force	18,190	72.4	17,811	378	2.1	6,942	73	41	655	6,172
Wives	22,792	47.6	21,681	1,111	4.9	25,135	22,731	149	277	1,977
With employed husband	20,489	53.5	19,512	977	4.8	17,811	16,463	135	96	1,117
With unemployed husband	525	58.1	458	67	12.8	378	342	2	10	24
With husband not in labor force	1,778	20.4	1,711	67	3.8	6,945	5,926	12	171	836
Relatives in husband-wife families	16,165	70.1	14,072	2,093	12.9	6,901	1,391	2,247	370	2,934
16-19 years	8,094	68.7	6,749	1,345	16.6	3,681	298	1,732	24	1,627
20-24 years	5,421	83.4	4,857	564	10.4	1,080	169	445	29	437
25 years and over	2,650	55.3	2,466	184	6.9	2,140	924	70	317	870
Women who head families	4,973	59.1	4,535	438	8.8	3,439	2,654	88	160	537
Relatives in female-headed families	4,473	60.9	3,608	866	19.4	2,866	848	698	250	1,070
16-19 years	1,637	60.0	1,147	491	30.0	1,092	139	550	6	396
20-24 years	1,334	76.8	1,097	237	17.8	405	129	114	15	148
25 years and over	1,502	52.3	1,364	138	9.2	1,369	580	34	229	526
Persons not living in families ²	14,886	60.6	14,132	753	5.1	9,670	5,181	293	642	3,513

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

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

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

Marital status, sex, age, and race	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979
	Total, 16 years and over	3,001	2,993	5.0	4.9	3,325	3,242	7.9	7.5
Married, spouse present	982	950	2.5	2.4	1,197	1,150	5.3	5.0
Widowed, divorced, or separated	231	283	5.1	6.1	537	523	6.8	6.6
Single (never married)	1,788	1,760	11.4	11.0	1,591	1,569	13.4	12.9
White, 16 years and over	2,284	2,291	4.3	4.2	2,435	2,385	6.7	6.4
Married, spouse present	821	799	2.3	2.2	983	963	4.9	4.6
Widowed, divorced, or separated	173	201	4.8	5.3	366	357	5.7	5.6
Single (never married)	1,290	1,291	9.5	9.3	1,087	1,065	10.9	10.4
Black and other, 16 years and over	717	702	11.1	10.6	890	857	15.3	14.4
Married, spouse present	161	151	4.6	4.1	214	187	9.0	7.6
Widowed, divorced, or separated	58	82	6.6	9.7	171	166	11.3	10.7
Single (never married)	498	469	24.1	22.4	505	504	26.4	26.1
Total, 20 to 64 years of age	1,942	1,948	3.7	3.7	2,217	2,164	6.2	5.8
Married, spouse present	889	884	2.3	2.3	1,104	1,063	5.1	4.7
Widowed, divorced, or separated	222	263	5.2	6.0	507	494	7.1	6.8
Single (never married)	831	802	8.5	7.9	606	606	8.6	8.2
White, 20 to 64 years of age	1,500	1,510	3.2	3.2	1,637	1,581	5.3	5.0
Married, spouse present	743	740	2.2	2.1	902	885	4.7	4.4
Widowed, divorced, or separated	167	189	4.9	5.2	340	336	5.9	5.8
Single (never married)	589	581	7.0	6.6	395	360	6.9	6.0
Black and other, 20 to 64 years of age	443	438	8.0	7.6	580	583	11.5	11.2
Married, spouse present	147	144	4.4	4.1	202	178	8.7	7.5
Widowed, divorced, or separated	55	74	6.6	9.3	167	159	11.7	10.9
Single (never married)	242	221	17.5	15.6	211	246	16.1	18.1

HOUSEHOLD DATA

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979
Total, 16 years and over	6,326	6,235	6.2	6.0	5.0	4.9	7.9	7.5
White-collar workers	1,798	1,788	3.7	3.5	2.5	2.4	4.9	4.5
Professional and technical	395	417	2.8	2.8	2.0	2.1	3.8	3.7
Managers and administrators, except farm	189	206	1.8	1.9	1.4	1.5	3.2	3.2
Sales workers	281	297	4.5	4.6	3.5	3.4	5.7	6.0
Clerical workers	933	868	5.3	4.7	4.6	4.2	5.4	4.9
Blue-collar workers	2,102	2,068	6.0	5.9	5.2	5.2	9.7	8.9
Craft and kindred workers	496	501	3.8	3.6	3.7	3.6	5.5	4.2
Carpenters and other construction craft	228	237	5.4	5.2	5.4	5.2	(1)	(1)
All other	268	264	3.0	2.9	2.8	2.8	5.5	3.8
Operatives, except transport	938	879	7.8	7.4	6.1	6.0	10.1	9.5
Transport equipment operatives	159	183	4.3	4.7	3.8	4.5	11.7	8.4
Nonfarm laborers	508	506	8.7	8.8	8.5	8.6	10.7	10.9
Construction laborers	159	153	12.6	12.7	12.6	12.6	(1)	(1)
All other	349	353	7.6	7.8	7.2	7.4	10.5	10.4
Service workers	1,081	1,074	7.7	7.6	7.0	6.9	8.0	8.1
Private household	63	46	5.2	4.1	(1)	(1)	5.1	4.2
All other	1,019	1,028	7.9	7.9	7.0	6.9	8.5	8.6
Farm workers	89	79	2.6	2.5	2.2	1.8	3.9	5.0
No previous work experience	1,255	1,227	--	--	--	--	--	--
16 to 19 years	1,032	986	--	--	--	--	--	--
20 to 24 years	174	162	--	--	--	--	--	--
25 years and over	50	79	--	--	--	--	--	--

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	
	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979
Total, 16 years and over	100.0	100.0	6.2	6.0	5.0	4.9	7.9	7.5
Nonagricultural private wage and salary workers	64.9	66.5	5.5	5.4	4.6	4.7	6.8	6.5
Mining	.4	.4	2.9	2.9	3.1	3.0	1.6	1.9
Construction	6.5	6.9	7.9	8.0	8.0	8.0	6.0	7.4
Manufacturing	18.8	18.5	5.3	5.0	3.9	3.9	8.2	7.6
Durable goods	9.5	9.8	4.5	4.4	3.4	3.6	7.8	6.4
Lumber and wood products	.9	.5	7.3	4.5	6.6	3.6	12.6	10.8
Furniture and fixtures	.7	.5	7.0	5.7	5.0	6.0	11.3	5.2
Stone, clay, and glass products	.7	.5	6.3	4.2	5.3	2.8	11.3	8.7
Primary metal industries	.7	.5	3.5	2.5	3.1	2.5	5.8	2.1
Fabricated metal products	1.0	1.6	4.0	6.4	2.5	5.9	9.5	8.8
Machinery, except electrical equipment	1.3	1.3	3.4	2.9	2.9	2.7	5.1	3.5
Electrical equipment	1.5	1.8	4.2	4.5	1.9	3.2	7.2	6.3
Transportation equipment	1.3	1.7	3.6	4.2	3.1	3.8	5.8	6.6
Automobiles	.6	.9	3.1	3.9	2.6	3.4	5.9	6.6
Other transportation equipment	.7	.8	4.2	4.6	3.8	4.2	5.6	6.5
Instruments and related products	.6	.4	6.1	4.4	4.0	3.3	8.6	5.6
Other durable goods industries	.9	.9	7.0	7.7	4.7	5.8	10.0	10.6
Nondurable goods	9.3	8.8	6.5	6.0	5.0	4.3	8.6	8.7
Food and kindred products	2.8	2.3	8.8	7.5	7.0	5.6	13.0	12.6
Textile mill products	.9	.9	6.7	6.2	4.5	2.5	9.1	10.2
Apparel and other textile products	1.8	1.9	8.3	8.4	7.4	7.7	8.6	8.6
Paper and allied products	.7	.6	5.9	4.5	5.1	2.7	8.4	10.8
Printing and publishing	.9	1.1	4.1	4.5	3.7	4.5	4.6	4.6
Chemicals and allied products	.5	.8	2.7	3.7	2.2	3.3	4.3	4.9
Rubber and plastics products	.9	.7	8.0	5.9	7.3	3.6	9.3	10.2
Other nondurable goods industries	.7	.7	6.7	6.4	3.6	4.2	10.5	9.7
Transportation and public utilities	3.1	2.5	3.7	2.9	3.0	2.6	5.7	3.7
Railroads and railway express	.3	.1	2.8	.9	3.0	1.0	(1)	(1)
Other transportation	1.9	1.8	4.9	4.3	4.1	4.1	8.2	5.1
Communication and other public utilities	.9	.6	2.5	1.7	1.7	.9	4.4	3.0
Wholesale and retail trade	19.3	20.6	6.4	6.8	5.0	5.5	8.1	8.2
Finance, insurance, and real estate	2.4	2.7	3.0	3.1	2.3	3.0	3.5	3.2
Service industries	14.5	14.8	5.5	5.4	4.8	4.7	5.9	5.8
Professional services	6.4	6.3	4.4	4.1	4.0	3.1	4.6	4.5
All other service industries	8.1	8.5	6.9	7.0	5.5	6.1	8.1	7.9
Agricultural wage and salary workers	1.9	1.8	6.6	6.0	5.7	4.6	10.2	10.6
All other classes of workers	13.3	12.1	3.4	3.0	2.6	2.4	4.5	4.0
No previous work experience	19.8	19.7	--	--	--	--	--	--

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

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	
	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979
UNEMPLOYMENT LEVEL												
Total unemployed, in thousands.....	6,326	6,235	2,024	2,008	2,265	2,194	2,037	2,034	4,719	4,677	1,606	1,559
Job losers.....	2,115	2,096	1,136	1,098	791	746	188	252	1,664	1,609	451	486
On layoff.....	499	625	256	284	215	266	28	75	439	489	61	136
Other job losers.....	1,616	1,471	880	814	576	480	160	177	1,225	1,120	390	350
Job leavers.....	809	823	282	333	345	328	182	161	670	706	139	117
Reentrants.....	2,147	2,091	519	499	993	958	636	634	1,524	1,528	622	563
New entrants.....	1,255	1,226	87	79	137	161	1,032	987	861	833	395	393
PERCENT DISTRIBUTION												
Total unemployed.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers.....	33.4	33.6	56.1	54.6	34.9	34.0	9.2	12.4	35.3	34.5	28.1	31.2
On layoff.....	7.9	10.0	12.6	14.1	9.5	12.1	1.4	3.7	9.3	10.5	3.8	8.7
Other job losers.....	25.5	23.6	43.5	40.5	25.4	21.9	7.8	8.7	26.0	24.0	24.3	22.5
Job leavers.....	12.8	13.2	14.0	16.6	15.2	15.0	8.9	7.9	14.2	15.1	8.6	7.5
Reentrants.....	33.9	33.5	25.6	24.8	43.8	43.7	31.2	31.2	32.3	32.7	38.7	36.1
New entrants.....	19.8	19.7	4.3	3.9	6.0	7.3	50.6	48.5	18.2	17.8	24.6	25.2
UNEMPLOYMENT RATE												
Total unemployment rate.....	6.2	6.0	3.8	3.7	6.1	5.7	18.2	18.4	5.2	5.1	13.1	12.4
Job loser rate ¹	2.1	2.0	2.1	2.0	2.2	2.0	1.7	2.3	1.9	1.7	3.7	3.9
Job leaver rate ¹.....	.8	.8	.5	.6	.9	.9	1.6	1.5	.7	.8	1.1	.9
Reentrant rate ¹	2.1	2.0	1.0	.9	2.7	2.5	5.7	5.7	1.7	1.7	5.1	4.5
New entrant rate ¹	1.2	1.2	.2	.1	.4	.4	9.2	8.9	1.0	.9	3.2	3.1

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	June 1979						
	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.....	6,235	100.0	58.8	23.8	17.4	9.5	7.9
Job losers.....	2,096	100.0	46.3	26.2	27.5	14.9	12.6
On layoff.....	625	100.0	63.1	23.6	13.3	8.2	5.1
Other job losers.....	1,471	100.0	39.1	27.3	33.7	17.8	15.8
Job leavers.....	823	100.0	55.4	27.3	17.4	10.0	7.4
Reentrants.....	2,091	100.0	65.3	22.0	12.7	7.2	5.5
New entrants.....	1,226	100.0	71.5	20.5	8.0	3.8	4.2
Males, 20 years and over.....	2,008	100.0	47.4	26.2	26.4	13.4	12.9
Job losers.....	1,098	100.0	40.8	25.3	33.9	17.3	16.6
On layoff.....	284	100.0	62.7	24.6	12.7	8.8	3.9
Other job losers.....	814	100.0	33.2	25.6	41.3	20.3	21.0
Job leavers.....	333	100.0	52.1	35.6	12.3	6.0	6.3
Reentrants.....	499	100.0	58.7	22.0	19.2	10.4	8.8
New entrants.....	79	100.0	48.7	24.4	26.9	11.5	15.4
Females, 20 years and over.....	2,194	100.0	55.8	25.1	19.1	10.5	8.6
Job losers.....	746	100.0	48.7	27.3	24.0	14.1	9.9
On layoff.....	266	100.0	57.9	25.6	16.5	9.4	7.1
Other job losers.....	480	100.0	43.5	28.3	28.1	16.7	11.5
Job leavers.....	328	100.0	52.4	22.0	25.6	14.3	11.3
Reentrants.....	958	100.0	60.9	25.8	13.4	7.4	5.9
New entrants.....	161	100.0	66.3	17.5	16.3	4.4	11.9
Both sexes, 16 to 19 years.....	2,034	100.0	73.3	20.0	6.7	4.5	2.2
Job losers.....	252	100.0	63.3	26.3	10.4	6.8	3.6
On layoff.....	75	100.0	85.1	10.8	4.1	1.4	2.7
Other job losers.....	177	100.0	53.6	33.0	13.4	9.5	3.9
Job leavers.....	161	100.0	67.5	20.2	12.3	9.8	2.5
Reentrants.....	634	100.0	77.1	16.4	6.5	4.6	1.9
New entrants.....	987	100.0	74.3	20.7	5.1	3.0	2.0

HOUSEHOLD DATA

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

Sex, age, and race	June 1979								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives			Other
Total, 16 years and over	6,235	5,425	26.1	7.1	71.4	27.6	14.5	6.0	1.53
16 to 19 years	2,034	1,874	19.6	4.2	77.4	20.7	13.3	5.7	1.41
20 to 24 years	1,441	1,262	28.4	9.6	71.5	30.0	13.6	4.7	1.58
25 to 34 years	1,251	1,057	30.5	8.8	70.5	34.2	17.0	6.4	1.67
35 to 44 years	615	504	34.9	9.1	63.9	33.1	13.3	6.3	1.61
45 to 54 years	499	398	26.9	6.8	67.3	26.6	14.8	8.8	1.51
55 to 64 years	299	255	28.6	7.8	53.7	29.0	16.1	9.4	1.45
65 years and over	90	76	17.1	2.6	61.8	28.9	19.7	3.9	1.34
Males, 16 years and over	2,993	2,553	27.1	6.6	72.3	24.6	16.8	7.2	1.55
16 to 19 years	985	886	18.8	3.3	80.5	16.5	14.3	5.6	1.39
20 to 24 years	690	598	30.9	7.0	69.6	27.3	15.2	5.4	1.55
25 to 34 years	559	440	33.6	10.2	69.8	33.4	24.3	8.0	1.79
35 to 44 years	264	212	34.9	9.0	70.3	29.7	15.6	7.1	1.67
45 to 54 years	254	208	33.2	8.7	65.4	24.0	15.4	13.0	1.60
55 to 64 years	181	155	27.7	9.0	53.5	26.5	19.4	14.2	1.50
65 years and over	60	55	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Females, 16 years and over	3,242	2,871	25.3	7.6	70.6	30.2	12.4	5.0	1.51
16 to 19 years	1,049	986	20.2	5.0	74.7	24.5	12.4	5.7	1.43
20 to 24 years	751	664	26.2	11.9	73.2	32.2	12.2	4.1	1.60
25 to 34 years	699	616	28.2	8.0	71.1	34.7	11.9	5.4	1.59
35 to 44 years	352	292	34.9	9.2	59.2	35.6	11.6	5.5	1.56
45 to 54 years	245	190	20.5	4.7	69.5	29.5	14.2	4.2	1.43
55 to 64 years	117	100	30.0	6.0	54.0	33.0	11.0	2.0	1.36
65 years and over	30	21	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White, 16 years and over	4,677	4,017	23.9	7.3	73.0	29.7	15.6	5.5	1.55
Males	2,291	1,938	25.4	6.9	73.6	26.5	18.3	6.5	1.57
Females	2,385	2,079	22.5	7.8	72.5	32.7	13.0	4.5	1.53
Black and other, 16 years and over	1,559	1,408	32.5	6.5	66.8	21.4	11.3	7.6	1.46
Males	702	616	32.5	5.7	68.3	18.5	11.9	9.3	1.46
Females	857	792	32.4	7.1	65.5	23.6	10.9	6.2	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	June 1979								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives			Other
Total, 16 years and over	6,235	5,425	26.1	7.1	71.4	27.6	14.5	6.0	1.53
Job losers	2,096	1,477	36.2	8.4	70.3	31.8	18.1	6.7	1.72
Job leavers	823	833	26.5	8.4	73.6	33.3	12.7	3.6	1.58
Reentrants	2,091	1,922	22.7	7.2	69.3	27.5	13.2	6.5	1.46
New entrants	1,226	1,194	18.8	4.5	74.5	18.4	13.1	6.0	1.35
Males, 16 years and over	2,993	2,553	27.1	6.6	72.3	24.6	16.8	7.2	1.55
Job losers	1,262	920	34.9	7.4	70.7	29.8	19.7	9.0	1.71
Job leavers	415	409	26.7	8.1	71.1	29.6	16.1	3.7	1.55
Reentrants	795	714	23.5	7.6	70.3	22.1	15.7	7.8	1.47
New entrants	521	510	18.2	2.5	79.4	14.7	13.5	5.9	1.34
Females, 16 years and over	3,242	2,871	25.3	7.6	70.6	30.2	12.4	5.0	1.51
Job losers	834	558	38.4	10.0	69.5	35.1	15.6	3.0	1.72
Job leavers	408	424	26.4	8.7	75.9	36.8	9.4	3.5	1.61
Reentrants	1,295	1,206	22.3	7.0	68.7	30.8	11.7	5.6	1.46
New entrants	705	683	19.0	6.0	71.2	21.2	12.9	6.3	1.37

NOTE: See note, table A-15.

A-17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979
Total, 16 years and over	6,326	6,235	100.0	100.0	5,202	5,132	100.0	100.0
Less than 5 weeks	3,474	3,667	54.9	58.8	2,731	2,878	52.5	56.1
5 to 10 weeks	1,588	1,483	25.1	23.8	1,316	1,269	25.3	24.7
11 to 14 weeks	1,200	1,116	19.0	17.9	986	954	19.0	18.6
15 weeks and over	387	367	6.1	5.9	330	314	6.3	6.1
16 to 26 weeks	1,264	1,085	20.0	17.4	1,155	985	22.2	19.2
27 weeks and over	644	593	10.2	9.5	581	542	11.2	10.6
27 to 51 weeks	620	492	9.8	7.9	574	444	11.0	8.7
52 weeks and over	320	271	5.1	4.3	291	245	5.6	4.8
Average (mean) duration, in weeks	10.8	9.4	--	--	11.7	10.1	--	--
Median duration, in weeks	4.6	4.3	--	--	4.8	4.5	--	--

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

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			June 1978	June 1979	June 1978	June 1979
	June 1979										
Total, 16 years and over	6,235	3,667	1,483	593	492	9.4	4.3	54.9	58.8	20.0	17.4
16 to 21 years	2,699	1,936	538	158	67	5.9	3.5	67.5	71.7	10.5	8.4
18 to 19 years	2,034	1,490	407	92	44	5.4	3.4	71.0	73.3	8.9	6.7
20 to 24 years	1,441	889	320	141	91	8.4	4.1	56.3	61.7	16.5	16.1
25 to 34 years	1,258	608	368	160	121	11.4	5.4	46.4	48.4	26.8	22.4
35 to 44 years	615	271	169	79	97	13.5	6.3	42.7	44.0	31.6	28.6
45 to 54 years	499	251	117	65	66	12.8	5.0	37.9	50.2	30.5	26.3
55 to 64 years	299	128	72	42	56	17.4	7.6	36.2	43.0	33.5	32.8
65 years and over	90	30	30	13	17	17.2	8.2	36.0	33.3	40.8	33.5
Males, 16 years and over	2,993	1,683	709	313	288	10.6	4.4	52.5	56.2	23.6	20.1
16 to 21 years	1,266	916	232	86	33	6.1	3.5	68.3	72.3	11.8	9.4
18 to 19 years	985	731	183	43	28	5.6	3.4	73.9	74.2	8.8	7.2
20 to 24 years	690	408	151	90	41	8.8	4.2	54.9	59.2	19.7	19.0
25 to 34 years	559	238	170	73	79	13.6	6.5	40.6	42.5	32.4	27.1
35 to 44 years	264	96	76	33	58	16.6	8.5	35.3	36.5	43.1	34.6
45 to 54 years	254	122	66	37	29	13.2	5.5	25.6	48.1	37.6	25.9
55 to 64 years	181	70	47	25	39	19.4	9.1	32.1	38.6	35.5	35.4
65 years and over	60	18	15	13	14	21.4	12.4	34.3	29.6	42.2	44.8
Females, 16 years and over	3,242	1,984	774	280	204	8.3	4.1	57.1	61.2	16.8	14.9
16 to 21 years	1,433	1,020	306	73	34	5.7	3.5	66.8	71.2	9.4	7.5
18 to 19 years	1,049	760	224	49	16	5.2	3.5	68.3	72.4	9.0	6.2
20 to 24 years	751	480	169	51	50	8.0	3.9	57.6	64.0	13.7	13.5
25 to 34 years	699	371	198	88	43	9.7	4.7	51.1	53.0	22.3	18.6
35 to 44 years	352	174	93	46	38	11.2	5.1	48.5	49.6	22.5	24.1
45 to 54 years	245	128	51	28	37	12.3	4.8	48.3	52.4	24.5	26.7
55 to 64 years	117	58	25	17	17	14.4	5.0	41.9	49.8	30.8	28.9
65 years and over	30	12	14	1	3	8.7	5.8	(1)	(1)	(1)	(1)
Whites, 16 years and over	4,677	2,807	1,080	461	329	8.9	4.2	55.9	60.0	19.3	16.9
Males	2,291	1,314	532	251	194	10.0	4.4	54.1	57.4	22.5	19.4
Females	2,385	1,493	548	211	134	7.9	4.0	57.7	62.6	16.4	14.5
Black and other, 16 years and over	1,559	860	403	132	164	11.0	4.5	52.0	55.2	21.9	19.0
Males	702	369	177	62	94	12.7	4.8	47.6	52.5	27.1	22.3
Females	857	491	226	70	69	9.6	4.4	55.5	57.4	17.7	16.2
Males, 16 years and over:											
Married, spouse present	950	417	264	130	138	13.7	6.6	37.1	43.9	35.6	28.3
Widowed, divorced, or separated	283	113	86	31	54	16.2	6.8	39.3	39.8	30.3	29.9
Single (never married)	1,760	1,153	359	151	96	8.1	3.8	62.7	65.5	16.1	14.1
Females, 16 years and over:											
Married, spouse present	1,150	635	313	135	67	8.6	4.5	52.8	55.2	18.9	17.6
Widowed, divorced, or separated	523	269	136	62	55	11.2	4.9	50.9	51.5	23.4	22.4
Single (never married)	1,569	1,080	325	83	82	7.2	3.6	62.3	68.8	12.9	10.5

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

HOUSEHOLD DATA

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

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			June 1978	June 1979	June 1978	June 1979
	June 1979										
OCCUPATION											
White-collar workers	1,788	985	458	182	163	10.4	4.5	48.0	55.1	24.9	19.3
Professional and managerial	623	315	150	73	86	13.0	5.6	44.3	50.6	29.3	25.5
Sales workers	297	166	77	34	21	9.0	4.5	49.9	55.7	22.1	18.5
Clerical workers	868	505	232	74	57	9.1	4.3	49.7	58.1	22.9	15.2
Blue-collar workers	2,068	1,086	514	259	209	10.9	4.8	47.6	52.5	23.9	22.6
Craft and kindred workers	501	244	141	58	59	11.9	5.4	43.0	48.7	28.6	23.3
Operatives, except transport	879	459	201	129	89	11.0	4.8	48.4	52.3	22.8	24.8
Transport equipment operatives	183	93	54	17	18	11.6	4.9	30.7	51.2	32.8	19.2
Nonfarm laborers	506	289	118	55	44	9.7	4.4	56.0	57.2	18.3	19.4
Service workers	1,074	661	246	103	64	8.4	4.1	61.7	61.6	17.2	15.5
INDUSTRY¹											
Agriculture	111	82	15	6	7	6.9	3.4	74.6	74.3	11.5	12.0
Construction	456	240	119	65	32	9.4	4.8	47.8	52.5	26.7	21.3
Manufacturing	1,158	572	282	176	128	12.0	5.2	44.7	49.4	25.8	26.2
Durable goods	611	302	127	99	84	13.7	5.2	41.6	49.3	27.1	29.8
Nondurable goods	547	271	155	77	44	10.1	5.2	47.9	49.5	24.4	22.2
Transportation and public utilities	199	105	49	14	31	13.4	4.7	43.6	53.0	25.7	22.5
Wholesale and retail trade	1,304	773	336	124	71	8.2	4.2	52.8	59.3	20.8	14.9
Finance and service industries	1,512	876	371	126	139	10.1	4.3	56.2	57.9	20.7	17.5
Public administration	155	87	33	20	15	11.0	4.5	52.8	55.9	22.9	22.9
No previous work experience	1,227	877	251	47	51	6.6	3.5	69.5	71.5	9.4	8.0

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	
	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979
	All industries	95,852	97,917	56,978	57,817	38,875	40,100
18 to 19 years	9,153	9,007	5,071	4,965	4,082	4,042
18 to 17 years	3,844	3,748	2,186	2,120	1,658	1,628
18 to 19 years	5,309	5,260	2,885	2,845	2,425	2,414
20 to 24 years	14,063	14,370	7,770	7,946	6,293	6,424
25 to 54 years	58,412	60,259	35,290	36,104	23,122	24,155
25 to 34 years	24,334	25,403	14,738	15,243	9,596	10,160
35 to 44 years	17,898	18,650	10,694	11,046	7,204	7,605
45 to 54 years	16,181	16,205	9,859	9,816	6,322	6,389
55 to 64 years	11,199	11,276	6,932	6,910	4,268	4,366
55 to 59 years	7,032	7,033	4,308	4,276	2,724	2,757
60 to 64 years	4,168	4,243	2,624	2,635	1,544	1,609
65 years and over	3,025	3,004	1,915	1,891	1,110	1,113
Nonagricultural industries	91,869	94,132	53,872	54,671	37,997	39,261
18 to 19 years	8,548	8,472	4,582	4,528	3,965	3,944
18 to 17 years	3,502	3,450	1,914	1,886	1,588	1,564
18 to 19 years	5,045	5,022	2,668	2,642	2,378	2,381
20 to 24 years	13,587	13,898	7,388	7,573	6,199	6,325
25 to 54 years	56,541	58,387	33,900	34,722	22,641	23,665
25 to 34 years	23,613	24,701	14,191	14,692	9,422	10,009
35 to 44 years	17,365	18,090	10,305	10,657	7,060	7,434
45 to 54 years	15,564	15,595	9,405	9,373	6,160	6,222
55 to 64 years	10,589	10,740	6,454	6,477	4,135	4,263
55 to 59 years	6,697	6,759	4,056	4,062	2,641	2,697
60 to 64 years	3,892	3,981	2,398	2,415	1,494	1,566
65 years and over	2,604	2,635	1,548	1,572	1,056	1,063
Agriculture	3,983	3,785	3,105	2,946	878	839
18 to 19 years	605	535	489	437	117	98
18 to 17 years	342	298	272	234	76	64
18 to 19 years	264	238	217	204	47	34
20 to 24 years	476	472	382	373	94	99
25 to 54 years	1,871	1,872	1,390	1,382	481	490
25 to 34 years	721	702	547	551	175	151
35 to 44 years	533	560	389	389	144	171
45 to 54 years	616	610	454	442	162	168
55 to 64 years	611	536	478	433	133	103
55 to 59 years	335	274	252	214	83	60
60 to 64 years	276	262	226	220	50	43
65 years and over	421	370	367	319	54	50

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	
	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979
	TOTAL	95,852	97,917	51,907	52,852	34,793	36,058	5,071	4,965	4,082	4,042
White-collar workers	46,761	48,672	21,909	22,498	22,161	23,459	746	719	1,945	1,996
Professional and technical	13,848	14,556	7,934	8,309	5,659	6,040	130	102	125	105
Health workers	2,635	2,776	918	927	1,691	1,840	4	6	22	3
Teachers, except college	2,584	2,697	771	817	1,789	1,861	5	--	19	19
Other professional and technical	8,629	9,083	6,245	6,565	2,179	2,339	121	96	84	83
Managers and administrators, except farm	10,087	10,502	7,648	7,866	2,338	2,532	70	57	30	47
Salaried workers	8,215	8,797	6,252	6,581	1,867	2,117	66	51	28	47
Self-employed workers in retail trade	916	829	594	561	319	269	2	--	1	--
Self-employed workers, except retail trade	955	876	802	725	152	145	1	7	--	--
Sales workers	6,002	6,150	3,108	3,182	2,212	2,285	252	239	431	445
Retail trade	3,208	3,158	995	1,004	1,634	1,557	187	185	392	411
Other industries	2,794	2,992	2,113	2,177	577	728	65	54	38	34
Clerical workers	16,823	17,464	3,219	3,141	11,952	12,602	293	321	1,359	1,399
Stenographers, typists, and secretaries	4,693	4,736	74	52	4,218	4,338	7	6	394	339
Other clerical workers	12,130	12,728	3,145	3,089	7,734	8,264	286	315	965	1,060
Blue-collar workers	32,736	33,140	23,944	24,360	5,392	5,458	2,892	2,868	506	455
Craft and kindred workers	12,691	13,276	11,454	11,928	645	706	557	602	36	41
Carpenters	1,333	1,429	1,227	1,297	4	14	101	116	1	1
Construction craft, except carpenters	2,637	2,853	2,453	2,644	35	41	145	161	4	7
Mechanics and repairers	3,388	3,567	3,129	3,335	60	50	193	180	6	4
Metal craft	1,207	1,315	1,147	1,223	31	39	28	45	--	5
Blue-collar worker supervisors, not elsewhere classified	1,642	1,663	1,487	1,499	138	146	15	12	2	5
All other	2,484	2,449	2,011	1,930	376	417	75	83	23	19
Operatives, except transport	11,127	10,963	5,835	5,857	4,140	4,092	792	720	360	293
Durable goods manufacturing	5,035	5,118	3,085	3,078	1,563	1,694	258	243	128	103
Nondurable goods manufacturing	3,457	3,345	1,318	1,312	1,864	1,790	120	114	154	128
Other industries	2,636	2,500	1,432	1,467	713	607	413	363	78	62
Transport equipment operatives	3,575	3,672	3,164	3,217	183	236	220	203	8	16
Drivers, motor vehicles	2,991	3,124	2,626	2,728	175	216	185	164	6	17
All other	584	547	538	489	9	20	35	39	2	--
Nonfarm laborers	5,342	5,230	3,492	3,359	424	424	1,323	1,343	103	104
Construction	1,097	1,056	799	726	11	23	281	299	5	7
Manufacturing	1,113	1,101	767	818	167	123	168	147	11	13
Other industries	3,132	3,072	1,926	1,814	246	278	873	896	86	84
Service workers	13,019	12,981	3,827	3,878	6,609	6,555	1,044	1,035	1,539	1,513
Private household workers	1,128	1,062	11	14	835	807	6	14	276	227
Service workers, except private household	11,891	11,919	3,816	3,864	5,774	5,748	1,038	1,021	1,263	1,286
Food service workers	4,472	4,436	803	782	2,145	2,208	649	601	875	846
Protective service workers	1,305	1,386	1,182	1,250	102	104	17	23	4	9
All other	6,114	6,097	1,831	1,832	3,527	3,436	372	397	384	431
Farm workers	3,337	3,124	2,226	2,116	630	586	389	344	92	78
Farmers and farm managers	1,629	1,496	1,436	1,332	172	151	18	14	3	--
Farm laborers and supervisors	1,709	1,627	790	784	458	435	371	330	89	79
Paid workers	1,268	1,222	748	738	175	179	286	235	60	70
Unpaid family workers	440	405	42	46	283	256	85	95	30	8

HOUSEHOLD DATA

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

(Percent distribution)

Occupation and race	Total		Males		Females	
	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979
TOTAL						
Total, 16 years and over (thousands)	95,852	97,917	56,978	57,817	38,875	40,100
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	48.8	49.7	39.8	40.2	62.0	63.5
Professional and technical	14.4	14.9	14.2	14.5	14.9	15.3
Managers and administrators, except farm	10.5	10.7	13.5	13.7	6.1	6.4
Sales workers	6.3	6.3	5.9	5.9	6.8	6.8
Clerical workers	17.6	17.8	6.2	6.0	34.2	34.9
Blue-collar workers	34.2	33.8	47.1	47.1	15.2	14.7
Craft and kindred workers	13.2	13.6	21.1	21.7	1.8	1.9
Operatives, except transport	11.6	11.2	11.6	11.4	11.6	10.9
Transport equipment operatives	3.7	3.8	5.9	5.9	.5	.6
Nonfarm laborers	5.6	5.3	8.5	8.1	1.4	1.3
Service workers	13.6	13.3	8.5	8.5	21.0	20.1
Private household workers	1.2	1.1	(1)	.1	2.9	2.6
Other service workers	12.4	12.2	8.5	8.4	18.1	17.5
Farm workers	3.5	3.2	4.6	4.3	1.9	1.7
Farmers and farm managers	1.7	1.5	2.6	2.3	.5	.4
Farm laborers and supervisors	1.8	1.7	2.0	1.9	1.4	1.3
White						
Total, 16 years and over (thousands)	85,198	86,919	51,236	51,896	33,960	35,023
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	50.5	51.2	41.2	41.6	64.4	65.5
Professional and technical	14.8	15.2	14.6	15.0	15.1	15.4
Managers and administrators, except farm	11.2	11.4	14.3	14.5	6.6	6.9
Sales workers	6.7	6.7	6.3	6.3	7.3	7.4
Clerical workers	17.7	17.9	6.0	5.8	35.4	35.8
Blue-collar workers	33.7	33.5	46.4	46.4	14.5	14.3
Craft and kindred workers	13.8	14.0	21.7	22.2	1.8	2.0
Operatives, except transport	11.1	10.8	11.2	11.0	10.9	10.4
Transport equipment operatives	3.6	3.6	5.6	5.6	.5	.6
Nonfarm laborers	5.2	5.1	7.8	7.6	1.3	1.3
Service workers	12.3	12.0	7.8	7.7	19.2	18.5
Private household workers	.9	.8	(1)	(1)	2.2	2.0
Other service workers	11.4	11.2	7.7	7.6	17.0	16.5
Farm workers	3.6	3.2	4.6	4.3	1.9	1.6
Farmers and farm managers	1.8	1.7	2.7	2.5	.5	.4
Farm laborers and supervisors	1.7	1.6	1.9	1.8	1.4	1.2
Black and other						
Total, 16 years and over (thousands)	10,655	10,998	5,740	5,921	4,915	5,077
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	35.4	37.7	26.7	27.5	45.6	49.5
Professional and technical	11.6	12.5	10.0	10.6	13.6	14.7
Managers and administrators, except farm	4.8	5.2	6.4	6.8	2.8	3.3
Sales workers	2.9	2.7	2.7	2.7	3.2	2.7
Clerical workers	16.1	17.3	7.6	7.4	26.1	28.8
Blue-collar workers	38.1	36.5	53.6	52.8	19.9	17.5
Craft and kindred workers	8.9	9.7	15.5	17.0	1.1	1.1
Operatives, except transport	15.8	14.5	15.2	14.6	16.5	14.5
Transport equipment operatives	5.1	4.8	9.0	8.3	.5	.6
Nonfarm laborers	8.3	7.6	13.9	12.9	1.7	1.3
Service workers	23.7	22.9	15.5	15.8	33.2	31.2
Private household workers	3.5	3.1	.1	.1	7.4	6.7
Other service workers	20.2	19.8	15.4	15.7	25.8	24.5
Farm workers	2.9	2.9	4.2	3.9	1.3	1.8
Farmers and farm managers	.6	.4	1.0	.6	.1	.1
Farm laborers and supervisors	2.3	2.5	3.2	3.2	1.2	1.6

¹ Less than 0.05 percent.

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

[In thousands]

Age and sex	June 1979								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	86,934	1,284	14,815	70,836	6,699	498	1,725	1,642	418
16 to 19 years	8,325	344	621	7,359	102	45	402	30	103
16 to 17 years	3,363	276	248	2,840	52	35	218	12	68
18 to 19 years	4,962	69	374	4,519	51	10	184	18	35
20 to 24 years	13,559	108	1,445	12,005	306	33	314	110	48
25 to 34 years	23,051	138	4,253	18,659	1,569	81	358	286	57
35 to 44 years	16,353	119	3,273	12,960	1,595	142	238	257	65
45 to 54 years	13,971	187	2,933	10,851	1,519	105	204	334	72
55 to 64 years	9,587	188	1,961	7,438	1,083	70	124	365	48
55 to 59 years	6,072	91	1,263	4,718	641	46	77	169	27
60 to 64 years	3,515	97	699	2,719	443	23	47	195	20
65 years and over	2,089	198	327	1,563	524	22	86	260	24
Males, 16 years and over	50,048	216	7,606	42,226	4,777	46	1,335	1,469	142
16 to 19 years	4,427	108	326	3,993	76	24	312	30	95
16 to 17 years	1,832	84	139	1,609	36	18	162	12	59
18 to 19 years	2,595	25	187	2,384	40	6	150	18	36
20 to 24 years	7,360	6	625	6,728	205	8	248	99	27
25 to 34 years	13,582	31	2,210	11,340	1,105	5	288	254	9
35 to 44 years	9,537	7	1,678	7,851	1,119	1	175	210	4
45 to 54 years	8,262	19	1,540	6,703	1,112	--	144	295	4
55 to 64 years	5,684	5	1,043	4,636	789	4	93	338	3
55 to 59 years	3,596	4	655	2,937	464	2	60	154	--
60 to 64 years	2,088	1	388	1,699	325	2	33	183	3
65 years and over	1,196	38	183	975	372	4	76	243	1
Females, 16 years and over	36,886	1,068	7,209	28,609	1,922	452	391	173	276
16 to 19 years	3,897	236	295	3,366	26	21	90	--	8
16 to 17 years	1,531	192	108	1,231	16	17	56	--	9
18 to 19 years	2,366	44	186	2,136	11	4	35	--	--
20 to 24 years	6,199	102	820	5,277	101	25	66	12	21
25 to 34 years	9,469	107	2,043	7,319	465	76	70	32	49
35 to 44 years	6,816	112	1,595	5,109	476	141	63	47	61
45 to 54 years	5,709	168	1,394	4,148	407	106	60	39	69
55 to 64 years	3,902	183	918	2,801	294	66	31	27	45
55 to 59 years	2,475	87	608	1,781	177	45	17	15	27
60 to 64 years	1,427	96	311	1,020	118	22	13	12	17
65 years and over	893	160	144	589	152	18	10	17	23

A-24. Employed persons by industry and occupation

[In thousands]

Industry	June 1979											
	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	
Total, 16 years and over:	3,785	94	33	13	81	57	12	46	315	--	10	3,124
Agriculture	845	121	65	6	92	224	236	54	38	--	10	--
Mining	6,725	228	724	25	461	3,703	283	225	1,056	--	19	--
Construction	22,388	2,413	1,650	503	2,629	4,388	8,463	823	1,101	--	418	--
Manufacturing	13,680	1,652	943	194	1,542	2,909	5,118	409	695	--	218	--
Durable goods	8,708	761	706	309	1,087	1,479	3,345	414	406	--	201	--
Non-durable goods	4,972	891	237	185	455	1,430	1,773	395	289	--	17	--
Transportation and public utilities	6,483	567	634	70	1,454	1,372	178	1,543	495	--	171	--
Wholesale and retail trade	19,763	379	3,749	4,010	3,373	1,599	1,003	709	1,195	--	3,746	--
Wholesale trade	3,803	150	773	852	806	373	188	354	273	--	34	--
Retail trade	15,960	229	2,976	3,158	2,567	1,226	815	355	922	--	3,712	--
Finance, insurance, and real estate	5,814	308	1,021	1,306	2,642	148	12	10	98	--	268	--
Services	26,887	9,401	1,947	211	4,941	1,491	740	206	703	1,062	6,185	--
Private households	1,343	11	--	--	8	7	--	5	205	1,062	44	--
Other service industries	25,544	5,390	1,947	211	4,933	1,484	740	201	498	--	6,141	--
Public administration	5,228	1,045	679	5	1,791	294	37	56	229	--	1,092	--

HOUSEHOLD DATA

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

(In thousands)

Reason not working	All industries		Nonagricultural industries					
			Total		Wage and salary workers ¹			
					Paid absences ²		Unpaid absences ²	
	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979
Total, 16 years and over	6,649	7,122	6,547	7,018	3,623	3,822	2,443	2,654
Vacation	4,462	4,660	4,422	4,618	2,915	3,110	1,285	1,271
Illness	1,346	1,423	1,313	1,385	532	520	677	776
Bad weather	42	22	33	17	--	--	--	--
Industrial dispute	69	142	69	141	--	--	--	--
All other reasons	730	876	710	858	177	192	481	608
Males, 16 years and over	3,359	3,539	3,272	3,450	2,048	2,041	970	1,103
Vacation	2,096	2,135	2,064	2,101	1,606	1,634	357	361
Illness	811	831	778	795	333	302	377	435
All other reasons ³	453	574	431	553	110	105	236	307
Females, 16 years and over	3,290	3,583	3,274	3,569	1,574	1,780	1,473	1,552
Vacation	2,365	2,526	2,358	2,516	1,309	1,475	929	911
Illness	535	592	535	590	198	217	300	340
All other reasons ³	389	465	381	464	67	88	245	301

¹Excludes private household.

²Includes bad weather and industrial dispute, not shown separately.

³Pay 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	June 1979					
	Thousands of persons			Percent distribution		
	All industries	Nonagri-cultural industries	Agri-culture	All industries	Nonagri-cultural industries	Agri-culture
Total, 16 years and over	90,795	87,113	3,681	100.0	100.0	100.0
1-34 hours	20,481	19,580	901	22.6	22.5	24.5
1-4 hours	692	636	56	.8	.7	1.5
5-14 hours	3,512	3,278	234	3.9	3.8	6.4
15-29 hours	10,223	9,773	450	11.3	11.2	12.2
30-34 hours	6,054	5,893	161	6.7	6.8	4.4
35 hours and over	70,315	67,533	2,782	77.4	77.5	75.5
35-39 hours	6,416	6,260	156	7.1	7.2	4.2
40 hours	38,621	38,061	560	42.5	43.7	15.2
41 hours and over	25,278	23,212	2,066	27.8	26.6	56.1
41 to 48 hours	9,825	9,554	272	10.8	11.0	7.4
49 to 59 hours	8,373	7,924	448	9.2	9.1	12.2
60 hours and over	7,080	5,734	1,346	7.8	6.6	36.5
Average hours, total at work	39.5	39.1	49.0	--	--	--
Average hours, workers on full-time schedules	43.5	42.9	57.1	--	--	--

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	June 1979					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over	20,481	6,901	13,580	19,580	6,666	12,915
Economic reasons	4,239	1,622	2,617	3,984	1,536	2,448
Slack work	1,630	933	697	1,508	878	630
Material shortages or repairs to plant and equipment	110	110	--	102	102	--
New job started during week	406	406	--	391	391	--
Job terminated during week	174	174	--	166	166	--
Could find only part-time work	1,919	--	1,919	1,818	--	1,818
Other reasons	16,241	5,278	10,963	15,595	5,129	10,466
Does not want, or unavailable for, full-time work	8,902	--	8,902	8,510	--	8,510
Vacation	1,476	1,476	--	1,465	1,465	--
Illness	1,609	1,428	181	1,571	1,419	152
Bad weather	207	207	--	162	162	--
Industrial dispute	65	65	--	64	64	--
Legal or religious holiday	123	123	--	116	116	--
Full time for this job	1,332	--	1,332	1,304	--	1,304
All other reasons	2,529	1,981	548	2,405	1,904	501
Average hours:						
Economic reasons	21.1	23.4	19.7	21.3	23.5	19.9
Other reasons	21.6	26.2	19.4	21.7	26.2	19.5
Worked 30 to 34 hours:						
Economic reasons	1,157	624	533	1,124	607	517
Other reasons	4,897	2,793	2,104	4,769	2,732	2,037

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

[Numbers in thousands]

Industry	June 1979								Average hours, total at work	Average hours, workers on full-time schedules
	Full- or part-time status									
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules						
Total				40 hours or less	41 to 48 hours	49 hours or more				
Total, 16 years and over ¹	87,113	3,984	10,466	72,663	49,451	9,554	13,658	39.1	42.9	
Wage and salary workers	80,398	3,613	9,282	67,503	47,244	8,932	11,327	38.9	42.5	
Construction	5,259	360	248	4,651	3,278	588	785	39.8	42.2	
Manufacturing	20,654	510	578	19,566	13,446	3,155	2,965	41.3	42.4	
Durable goods	12,647	201	261	12,185	8,289	2,039	1,857	41.8	42.5	
Non-durable goods	8,007	309	316	7,382	5,157	1,117	1,108	40.7	42.2	
Transportation and public utilities	5,669	199	282	5,188	3,397	662	1,129	42.0	44.0	
Wholesale and retail trade	16,627	1,220	3,497	11,910	7,417	2,009	2,484	37.0	43.4	
Finance, insurance, and real estate	5,017	89	442	4,486	3,427	466	593	39.2	41.3	
Service industries	21,496	1,124	3,950	16,422	12,348	1,492	2,582	36.4	41.8	
Private households	1,224	203	610	411	317	20	74	23.9	43.2	
All other industries	20,272	921	3,340	16,011	12,031	1,472	2,508	37.2	41.8	
Public administration	4,911	92	273	4,546	3,526	440	580	40.2	41.8	
Self-employed workers	6,217	345	987	4,885	2,084	566	2,235	42.0	48.7	
Unpaid family workers	498	27	198	273	121	56	96	36.4	48.2	

¹ Includes mining, not shown separately.

HOUSEHOLD DATA

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

(Numbers in thousands)

Sex, age, race, and marital status	June 1979							Average hours, total at work	Average hours, workers on full-time schedules
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules					
				Total	40 hours or less	41 hours or more			
TOTAL									
Both sexes, 16 years and over	87,113	3,984	10,466	72,663	49,451	23,212	39.1	42.9	
16 to 21 years	13,395	1,623	3,204	8,568	6,399	2,169	33.5	41.3	
16 to 19 years	8,077	1,191	2,569	4,317	3,280	1,037	30.7	40.8	
18 to 17 years	3,296	596	1,602	1,098	848	250	25.5	40.3	
18 to 19 years	4,781	597	966	3,218	2,431	787	34.3	41.0	
20 years and over	79,037	2,793	7,898	68,346	46,170	22,176	40.0	43.0	
20 to 24 years	13,222	841	1,274	11,107	8,014	3,093	38.7	42.0	
25 years and over	65,814	1,951	6,625	57,238	38,155	19,083	40.2	43.3	
25 to 44 years	39,449	1,147	3,205	35,097	23,026	12,071	40.6	43.3	
45 to 64 years	23,972	690	2,266	21,016	14,338	6,678	40.3	43.1	
65 years and over	2,394	113	1,154	1,127	792	335	28.8	42.2	
Males, 16 years and over	51,422	1,853	3,030	46,539	28,194	18,345	42.1	44.4	
16 to 21 years	7,226	817	1,454	4,955	3,407	1,548	35.1	42.3	
16 to 19 years	4,345	607	1,223	2,515	1,786	729	32.2	41.7	
18 to 17 years	1,807	323	803	681	507	174	26.7	41.0	
18 to 19 years	2,538	283	420	1,835	1,280	555	36.1	42.0	
20 years and over	47,076	1,246	1,806	44,024	26,466	17,616	43.0	44.6	
20 to 24 years	7,262	399	400	6,463	4,185	2,278	41.0	43.4	
25 years and over	39,815	846	1,406	37,563	22,225	15,338	43.4	44.8	
25 to 44 years	23,766	465	400	22,901	13,237	9,664	44.1	44.9	
45 to 64 years	14,604	327	367	13,910	8,480	5,430	43.5	44.6	
65 years and over	1,444	54	639	751	507	244	30.4	42.9	
Females, 16 years and over	35,692	2,130	7,437	26,125	21,258	4,867	34.8	40.2	
16 to 21 years	6,169	806	1,749	3,614	2,992	622	31.6	39.9	
16 to 19 years	3,732	584	1,345	1,803	1,496	307	29.1	39.5	
18 to 17 years	1,489	272	799	418	341	77	24.1	39.2	
18 to 19 years	2,243	312	547	1,384	1,152	232	32.3	39.7	
20 years and over	31,960	1,547	6,091	24,322	19,763	4,559	35.5	40.3	
20 to 24 years	5,959	442	873	4,644	3,830	814	36.0	40.2	
25 years and over	26,002	1,105	5,219	19,678	15,932	3,746	35.3	40.3	
25 to 44 years	15,682	682	2,806	12,194	9,787	2,407	35.9	40.4	
45 to 64 years	9,368	364	1,898	7,106	5,857	1,249	35.4	40.2	
65 years and over	951	59	515	377	287	90	26.4	41.0	
RACE									
White	77,256	3,314	9,549	64,393	42,729	21,664	39.3	43.2	
Males	46,113	1,536	2,716	41,861	24,637	17,224	42.4	44.7	
Females	31,142	1,777	6,833	22,532	18,093	4,439	34.7	40.3	
Black and other	9,858	670	917	8,271	6,722	1,549	37.6	40.9	
Males	5,308	317	314	4,677	3,556	1,121	39.3	42.0	
Females	4,550	353	604	3,593	3,165	428	35.6	39.5	
MARITAL STATUS									
Males, 16 years and over:									
Married, spouse present	34,791	668	1,100	33,023	19,127	13,896	43.7	44.9	
Widowed, divorced, or separated	3,894	152	182	3,560	2,190	1,370	42.3	44.5	
Single (never married)	12,736	1,033	1,748	9,955	6,876	3,079	37.7	42.7	
Females, 16 years and over:									
Married, spouse present	19,082	839	4,458	13,785	11,287	2,498	34.5	40.0	
Widowed, divorced, or separated	6,789	365	951	5,473	4,305	1,168	36.7	40.8	
Single (never married)	9,821	926	2,028	6,867	5,665	1,202	34.1	40.2	

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	June 1979								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over	87,739	4,028	10,585	73,126	49,677	9,612	13,837	39.1	39.9
White-collar workers	44,686	1,182	5,550	37,954	25,613	4,505	7,836	39.6	43.1
Professional and technical	12,732	261	1,213	11,258	7,698	1,207	2,353	40.2	43.0
Managers and administrators, except farm	9,946	123	404	9,419	4,543	1,401	3,475	45.5	47.0
Sales workers	5,773	249	1,286	4,238	2,504	618	1,116	37.7	44.1
Clerical workers	16,234	549	2,646	13,039	10,869	1,279	891	36.2	40.0
Blue-collar workers	30,949	1,678	1,736	27,535	18,277	4,371	4,887	40.5	43.0
Craft and kindred workers	12,432	474	392	11,566	7,325	1,932	2,309	41.8	43.3
Operatives, except transport	10,239	530	456	9,253	6,661	1,508	1,084	40.0	41.8
Transport equipment operatives	3,348	181	198	2,969	1,562	431	976	43.4	46.4
Nonfarm laborers	4,930	493	691	3,746	2,728	501	517	36.2	41.8
Service workers	12,104	1,168	3,299	7,637	5,787	736	1,114	33.8	42.2
Private household	1,013	147	483	383	295	15	73	25.7	43.1
Other service workers	11,092	1,023	2,817	7,252	5,490	721	1,041	34.5	42.2
Males, 16 years and over	51,881	1,885	3,104	46,892	28,345	6,945	11,602	42.1	41.8
White-collar workers	21,763	305	1,099	20,359	11,271	2,774	6,314	43.9	45.6
Professional and technical	7,720	90	331	7,299	4,496	838	1,965	43.3	44.7
Managers and administrators, except farm	7,555	70	178	7,307	3,190	1,061	3,056	47.1	48.0
Sales workers	3,254	69	298	2,887	1,491	455	941	42.8	45.7
Clerical workers	3,234	76	293	2,865	2,095	419	351	39.2	41.8
Blue-collar workers	25,473	1,268	1,243	22,962	14,580	3,781	4,601	41.2	43.5
Craft and kindred workers	11,735	448	313	10,974	6,881	1,854	2,239	42.0	43.4
Operatives, except transport	6,146	237	202	5,707	3,741	1,052	914	41.7	43.2
Transport equipment operatives	3,162	147	143	2,872	1,492	415	965	44.1	46.6
Nonfarm laborers	4,431	436	585	3,410	2,467	459	484	36.6	41.9
Service workers	4,645	312	762	3,571	2,494	390	687	38.2	43.8
Private household	29	2	15	12	5	--	7	32.7	63.3
Other service workers	4,616	309	747	3,560	2,490	390	680	38.2	43.7
Females, 16 years and over	35,858	2,143	7,481	26,234	21,332	2,667	2,235	34.8	36.5
White-collar workers	22,923	877	4,450	17,596	14,343	1,731	1,522	35.5	40.1
Professional and technical	5,012	172	882	3,958	3,202	369	387	35.4	39.8
Managers and administrators, except farm	2,391	52	227	2,112	1,353	340	419	40.5	43.2
Sales workers	2,519	179	988	1,352	1,014	163	175	31.1	40.8
Clerical workers	13,001	473	2,353	10,175	8,775	860	540	35.5	39.5
Blue-collar workers	5,476	409	494	4,573	3,697	590	286	36.9	40.0
Craft and kindred workers	697	26	79	592	445	77	70	37.7	41.1
Operatives, except transport	4,093	293	254	3,546	2,920	455	171	37.4	39.7
Transport equipment operatives	187	34	55	98	70	16	12	31.5	42.1
Nonfarm laborers	499	57	106	336	261	42	33	33.2	40.4
Service workers	7,459	857	2,537	4,065	3,292	346	427	31.1	40.8
Private household	984	144	468	372	291	15	66	25.5	42.5
Other service workers	6,475	713	2,070	3,692	2,999	332	361	32.0	40.7

HOUSEHOLD DATA

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

[Numbers in thousands]

Employment status	June 1979								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	7,949	4,045	3,904	6,639	3,386	3,253	1,309	658	651
Civilian labor force	2,352	1,329	1,022	2,078	1,173	905	274	157	117
Employed	1,830	1,041	789	1,717	964	754	113	78	35
Agriculture	275	216	59	249	198	51	26	18	8
Nonagricultural industries	1,555	826	730	1,468	766	702	87	60	27
Unemployed	521	289	233	360	209	152	161	79	82
Unemployment rate	22.2	21.7	22.8	17.3	17.8	16.8	58.8	50.3	70.1
Not in labor force	5,597	2,715	2,882	4,561	2,214	2,347	1,036	501	534
Keeping house	243	28	216	191	19	173	52	9	43
Going to school	2,469	1,254	1,215	1,904	964	940	565	290	275
Unable to work	22	8	14	17	7	10	5	1	4
All other reasons	2,863	1,425	1,437	2,449	1,224	1,225	414	201	213

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

Characteristics	June 1979					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	1,830	1,041	789	100.0	100.0	100.0
Nonagricultural industries	1,555	826	730	85.0	79.4	92.5
Wage and salary workers	1,444	747	697	78.9	71.8	88.3
Private household workers	555	173	382	30.3	16.6	48.4
Government workers	83	45	38	4.5	4.3	4.8
Other wage and salary workers	806	529	277	44.0	50.9	35.1
Self-employed workers	85	65	20	4.6	6.3	2.5
Unpaid family workers	26	13	13	1.4	1.2	1.6
Agriculture	275	216	59	15.0	20.8	7.5
Wage and salary workers	165	120	45	9.0	11.5	5.7
Self-employed workers	45	43	1	2.5	4.1	.1
Unpaid family workers	65	52	13	3.6	5.0	1.6
OCCUPATION						
Total	1,830	1,041	789	100.0	100.0	100.0
White-collar workers	350	231	119	19.1	22.2	15.1
Professional and technical	26	16	10	1.4	1.5	1.3
Managers and administrators, except farm	2	3	--	.1	.3	--
Sales workers	238	189	50	13.0	18.2	6.3
Clerical workers	84	24	60	4.6	2.3	7.6
Blue-collar workers	530	466	65	28.9	44.8	8.2
Craft and kindred workers	28	23	5	1.5	2.2	.6
Operatives, except transport	55	43	11	3.0	4.1	1.4
Transport equipment operatives	7	5	1	.4	.5	.1
Nonfarm laborers	441	394	47	24.1	37.8	6.0
Service workers	735	181	555	40.1	17.4	70.3
Private household workers	401	20	381	21.9	1.9	48.3
Other service workers	335	160	174	18.3	15.4	22.1
Farm workers	215	164	51	11.7	15.8	6.5
Farmers and farm managers	4	3	1	.2	.3	.1
Farm laborers and supervisors	210	161	49	11.5	15.5	6.2

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[Numbers in thousands]

Employment status	1978							1979					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
TOTAL													
Total noninstitutional population ¹	160,928	161,148	161,348	161,570	161,829	162,033	162,250	162,448	162,633	162,909	163,008	163,260	163,469
Armed Forces ¹	2,098	2,116	2,122	2,123	2,122	2,117	2,108	2,094	2,094	2,090	2,082	2,078	2,076
Civilian noninstitutional population ¹	158,830	159,032	159,226	159,447	159,707	159,916	160,142	160,353	160,539	160,819	160,926	161,182	161,393
Civilian labor force	100,504	100,622	100,663	100,974	101,077	101,628	101,867	102,183	102,527	102,714	102,111	102,247	102,528
Percent of civilian population	63.3	63.3	63.2	63.3	63.3	63.6	63.6	63.7	63.9	63.9	63.5	63.4	63.5
Employed	94,640	94,446	94,723	95,010	95,241	95,751	95,855	96,300	96,647	96,842	96,174	96,318	96,754
Percent of total population	58.8	58.6	58.7	58.8	58.9	59.1	59.1	59.3	59.4	59.4	59.0	59.0	59.2
Agriculture	3,424	3,377	3,351	3,406	3,374	3,275	3,387	3,232	3,311	3,343	3,186	3,184	3,260
Nonagricultural industries	91,216	91,069	91,372	91,604	91,867	92,476	92,468	93,068	93,335	93,499	92,987	93,134	93,494
Unemployed	5,864	6,176	5,940	5,964	5,836	5,877	6,012	5,883	5,881	5,871	5,937	5,929	5,774
Unemployment rate	5.8	6.1	5.9	5.9	5.8	5.8	5.9	5.8	5.7	5.7	5.8	5.8	5.6
Not in labor force	58,326	58,410	58,563	58,473	58,630	58,288	58,275	58,170	58,012	58,105	58,815	58,935	58,865
Males, 20 years and over													
Total noninstitutional population ¹	68,623	68,729	68,827	68,937	69,081	69,182	69,288	69,385	69,476	69,612	69,663	69,787	69,869
Civilian noninstitutional population ¹	66,947	67,039	67,127	67,236	67,382	67,486	67,600	67,726	67,816	67,939	67,997	68,123	68,227
Civilian labor force	53,449	53,401	53,396	53,459	53,593	53,938	54,033	54,333	54,485	54,444	54,243	54,261	54,395
Percent of civilian population	79.8	79.7	79.5	79.5	79.5	79.9	79.9	80.2	80.3	80.1	79.8	79.7	79.7
Employed	51,337	51,214	51,215	51,287	51,448	51,825	51,836	52,133	52,331	52,264	52,056	52,157	52,299
Percent of total population	74.8	74.5	74.4	74.4	74.5	74.9	74.8	75.1	75.3	75.1	74.7	74.7	74.8
Agriculture	2,406	2,396	2,357	2,409	2,363	2,337	2,403	2,293	2,324	2,355	2,271	2,274	2,306
Nonagricultural industries	48,931	48,818	48,858	48,878	49,085	49,488	49,435	49,841	50,007	49,909	49,785	49,883	49,993
Unemployed	2,112	2,187	2,181	2,172	2,145	2,113	2,195	2,200	2,154	2,180	2,187	2,105	2,096
Unemployment rate	4.0	4.1	4.1	4.1	4.0	3.9	4.1	4.0	4.0	4.0	4.0	3.9	3.9
Not in labor force	13,498	13,638	13,731	13,777	13,789	13,548	13,567	13,393	13,331	13,495	13,754	13,862	13,832
Females, 20 years and over													
Total noninstitutional population ¹	75,527	75,643	75,753	75,873	75,998	76,110	76,227	76,337	76,440	76,589	76,645	76,782	76,896
Civilian noninstitutional population ¹	75,422	75,537	75,645	75,764	75,889	76,001	76,119	76,228	76,332	76,476	76,532	76,670	76,764
Civilian labor force	37,392	37,573	37,543	37,921	37,860	38,095	38,217	38,185	38,429	38,642	38,345	38,560	38,556
Percent of civilian population	49.6	49.7	49.6	50.1	49.9	50.1	50.2	50.1	50.3	50.5	50.1	50.3	50.3
Employed	35,098	35,160	35,312	35,691	35,726	35,887	35,990	36,019	36,252	36,440	36,165	36,323	36,373
Percent of total population	46.5	46.5	46.6	47.0	47.0	47.2	47.2	47.2	47.4	47.6	47.2	47.3	47.3
Agriculture	608	593	581	597	587	571	591	586	608	613	580	543	592
Nonagricultural industries	34,490	34,567	34,731	35,094	35,139	35,316	35,399	35,433	35,644	35,827	35,584	35,780	35,781
Unemployed	2,294	2,413	2,231	2,230	2,134	2,208	2,227	2,166	2,177	2,201	2,180	2,237	2,223
Unemployment rate	6.1	6.4	5.9	5.9	5.6	5.8	5.8	5.7	5.7	5.7	5.7	5.8	5.8
Not in labor force	38,030	37,964	38,102	37,843	38,029	37,906	37,902	38,043	37,903	37,834	38,187	38,110	38,168
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,779	16,776	16,768	16,760	16,750	16,741	16,734	16,725	16,717	16,709	16,700	16,692	16,684
Civilian noninstitutional population ¹	16,461	16,455	16,455	16,446	16,436	16,429	16,422	16,400	16,391	16,404	16,397	16,389	16,381
Civilian labor force	9,663	9,648	9,724	9,594	9,624	9,595	9,617	9,665	9,613	9,628	9,523	9,426	9,537
Percent of civilian population	58.7	58.6	59.1	58.3	58.6	58.4	58.6	58.9	58.6	58.7	58.1	57.5	58.2
Employed	8,205	8,072	8,196	8,032	8,067	8,039	8,027	8,148	8,064	8,138	7,953	7,839	8,082
Percent of total population	48.9	48.1	48.9	47.9	48.2	48.0	48.0	48.7	48.2	48.7	47.6	47.0	48.4
Agriculture	410	388	413	400	424	367	393	354	380	375	335	368	362
Nonagricultural industries	7,795	7,684	7,783	7,632	7,643	7,672	7,634	7,794	7,684	7,763	7,618	7,471	7,720
Unemployed	1,458	1,576	1,528	1,562	1,557	1,556	1,590	1,517	1,549	1,490	1,570	1,587	1,455
Unemployment rate	15.1	16.3	15.7	16.3	16.2	16.2	16.5	15.7	16.1	15.5	16.5	16.8	15.3
Not in labor force	6,798	6,807	6,731	6,852	6,812	6,834	6,805	6,735	6,778	6,776	6,874	6,963	6,844

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

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[Numbers in thousands]

Full- and part-time employment status	1978							1979					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
FULL TIME													
Total, 16 years and over:													
Civilian labor force	85,965	85,894	86,030	85,899	86,185	86,391	86,631	87,025	87,373	87,567	87,430	87,300	87,637
Employed	81,436	81,004	81,389	81,247	81,680	81,900	82,034	82,525	82,789	83,067	82,774	82,792	83,180
Unemployed	4,529	4,890	4,641	4,652	4,505	4,491	4,597	4,500	4,584	4,499	4,655	4,508	4,458
Unemployment rate	5.3	5.7	5.4	5.4	5.2	5.2	5.3	5.2	5.2	5.1	5.3	5.2	5.1
PART TIME													
Total, 16 years and over:													
Civilian labor force	14,506	14,749	14,720	14,952	14,996	15,150	15,205	15,196	15,213	15,097	14,701	14,954	14,865
Employed	13,206	13,431	13,436	13,635	13,642	13,800	13,802	13,810	13,907	13,706	13,410	13,517	13,586
Unemployed	1,300	1,318	1,284	1,317	1,354	1,350	1,403	1,385	1,306	1,391	1,291	1,437	1,278
Unemployment rate	9.0	8.9	8.7	8.8	9.0	8.9	9.2	9.1	8.6	9.2	8.8	9.6	8.6

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

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

[Numbers in thousands]

Characteristics	1978							1979					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
WHITE													
Total, 16 years and over:													
Civilian labor force	88,626	88,503	88,655	88,662	89,067	89,468	89,747	90,093	90,395	90,415	89,923	90,018	90,279
Employed	84,171	83,857	84,060	84,250	84,565	85,013	85,125	85,543	85,941	85,938	85,479	85,515	85,871
Unemployed	4,455	4,646	4,595	4,412	4,502	4,455	4,622	4,550	4,453	4,478	4,444	4,503	4,409
Unemployment rate	5.0	5.2	5.2	5.2	5.1	5.0	5.2	5.1	4.9	5.0	4.9	5.0	4.9
Males, 20 years and over:													
Civilian labor force	47,810	47,710	47,707	47,684	47,791	48,103	48,202	48,466	48,639	48,527	48,411	48,401	48,535
Employed	46,144	45,992	45,996	45,968	46,098	46,477	46,492	46,737	47,006	46,877	46,755	46,792	46,883
Unemployed	1,666	1,718	1,711	1,716	1,693	1,626	1,710	1,729	1,633	1,650	1,657	1,609	1,652
Unemployment rate	3.5	3.6	3.6	3.6	3.5	3.4	3.5	3.6	3.4	3.4	3.4	3.3	3.4
Females, 20 years and over:													
Civilian labor force	32,214	32,343	32,265	32,602	32,677	32,809	32,981	32,978	33,225	33,302	33,080	33,275	33,239
Employed	30,490	30,565	30,574	30,912	31,074	31,161	31,287	31,340	31,567	31,638	31,460	31,572	31,589
Unemployed	1,724	1,778	1,691	1,690	1,603	1,648	1,694	1,638	1,658	1,664	1,619	1,703	1,650
Unemployment rate	5.4	5.5	5.2	5.2	4.9	5.0	5.1	5.0	5.0	5.0	4.9	5.1	5.0
Both sexes, 16 to 19 years:													
Civilian labor force	8,602	8,450	8,683	8,576	8,599	8,556	8,564	8,649	8,531	8,586	8,432	8,342	8,505
Employed	7,537	7,300	7,490	7,370	7,393	7,375	7,346	7,466	7,368	7,422	7,264	7,151	7,398
Unemployed	1,065	1,150	1,193	1,206	1,206	1,181	1,218	1,183	1,163	1,164	1,168	1,191	1,107
Unemployment rate	12.4	13.6	13.7	14.1	14.0	13.8	14.2	13.7	13.6	13.6	13.9	14.3	13.0
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	11,974	12,010	11,994	12,084	12,122	12,163	12,153	12,077	12,228	12,251	12,175	12,176	12,272
Employed	10,537	10,533	10,616	10,721	10,749	10,746	10,758	10,725	10,775	10,878	10,734	10,767	10,883
Unemployed	1,437	1,477	1,378	1,363	1,373	1,417	1,395	1,352	1,452	1,374	1,442	1,409	1,389
Unemployment rate	12.0	12.3	11.5	11.3	11.3	11.7	11.5	11.2	11.9	11.2	11.8	11.6	11.3
Males, 20 years and over:													
Civilian labor force	5,721	5,703	5,692	5,759	5,808	5,829	5,867	5,810	5,841	5,874	5,813	5,826	5,902
Employed	5,250	5,228	5,195	5,286	5,327	5,345	5,376	5,356	5,339	5,357	5,315	5,335	5,435
Unemployed	471	475	497	473	481	484	491	455	502	517	498	491	467
Unemployment rate	8.2	8.3	8.7	8.2	8.3	8.3	8.4	7.8	8.6	8.8	8.6	8.4	7.9
Females, 20 years and over:													
Civilian labor force	5,191	5,172	5,266	5,287	5,277	5,266	5,224	5,223	5,279	5,316	5,276	5,290	5,359
Employed	4,615	4,580	4,722	4,759	4,743	4,723	4,691	4,667	4,722	4,793	4,708	4,764	4,782
Unemployed	576	592	544	528	534	543	533	556	557	523	568	526	577
Unemployment rate	11.1	11.4	10.3	10.0	10.1	10.3	10.2	10.6	10.6	9.8	10.8	9.9	10.8
Both sexes, 16 to 19 years:													
Civilian labor force	1,062	1,135	1,036	1,038	1,037	1,068	1,062	1,044	1,107	1,061	1,086	1,059	1,011
Employed	672	725	699	676	679	678	691	703	714	727	711	668	667
Unemployed	390	410	337	362	358	390	371	341	393	334	375	391	344
Unemployment rate	36.7	36.1	32.5	34.9	34.5	36.5	34.9	32.7	35.5	31.5	34.5	36.9	34.0

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Selected categories	1978							1979					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
CHARACTERISTICS													
Total (all civilian workers)	5.8	6.1	5.9	5.9	5.8	5.8	5.9	5.8	5.7	5.7	5.8	5.8	5.6
Males, 20 years and over	4.0	4.1	4.1	4.1	4.0	3.9	4.1	4.0	4.0	4.0	4.0	3.9	3.9
Females, 20 years and over	6.1	6.4	5.9	5.9	5.6	5.8	5.8	5.7	5.7	5.7	5.7	5.8	5.8
Both sexes, 16-19 years	15.1	16.3	15.7	16.3	16.2	16.2	16.5	15.7	16.1	15.5	16.5	16.8	15.3
White	5.0	5.2	5.2	5.2	5.1	5.0	5.2	5.1	4.9	5.0	4.9	5.0	4.9
Black and other	12.0	12.3	11.5	11.3	11.3	11.7	11.5	11.2	11.9	11.2	11.8	11.6	11.3
Married men, spouse present	2.7	2.7	2.8	2.6	2.6	2.4	2.5	2.6	2.6	2.6	2.7	2.5	2.6
Married women, spouse present	5.6	5.5	5.6	5.5	5.3	5.5	5.6	5.3	5.1	5.1	5.2	5.2	5.2
Women who head families	8.8	9.8	8.0	8.0	7.5	7.7	7.7	7.8	8.3	8.3	8.4	8.9	9.1
Full-time workers	5.3	5.7	5.4	5.4	5.2	5.2	5.3	5.2	5.2	5.1	5.3	5.2	5.1
Part-time workers	9.0	8.9	8.7	8.8	9.0	8.9	9.2	9.1	8.6	9.2	8.8	9.6	8.6
Unemployed 15 weeks and over ¹	1.3	1.3	1.2	1.3	1.3	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.1
Labor force time lost ²	6.5	6.8	6.5	6.4	6.2	6.2	6.2	6.2	6.2	6.1	6.5	6.3	6.3
OCCUPATION													
White-collar workers	3.6	3.7	3.5	3.5	3.3	3.2	3.5	3.3	3.4	3.4	3.3	3.2	3.4
Professional and technical	2.5	2.5	2.6	2.6	2.8	2.4	3.0	2.5	2.3	2.1	2.2	2.0	2.5
Managers and administrators, except farm	1.9	2.2	1.9	2.2	1.8	2.2	1.9	2.0	1.9	2.2	2.3	2.2	2.0
Sales workers	4.4	4.3	4.1	4.3	4.1	3.1	3.6	3.8	4.3	4.1	4.0	4.0	4.5
Clerical workers	5.1	5.3	4.9	4.7	4.2	4.5	4.6	4.6	4.7	4.9	4.5	4.6	4.6
Blue-collar workers	6.6	6.7	6.9	6.8	6.8	6.4	6.8	6.4	6.4	6.6	6.9	6.7	6.5
Craft and kindred workers	4.3	4.0	4.5	4.7	4.9	4.0	4.7	4.5	4.7	4.6	4.2	4.0	4.2
Operatives, except transport	8.1	8.2	8.8	8.1	7.6	7.5	7.7	7.6	7.6	7.7	8.6	8.3	7.7
Transport equipment operatives	4.9	5.7	5.6	5.2	4.8	4.2	5.3	4.9	5.0	5.2	6.0	5.4	5.5
Nonfarm laborers	10.2	10.6	9.7	10.5	11.0	11.6	11.0	9.4	9.3	10.3	10.5	11.1	10.3
Service workers	7.2	7.4	7.1	7.4	7.1	7.4	7.7	7.9	7.1	7.2	7.4	7.2	7.2
Farm workers	3.2	3.9	3.6	3.9	4.6	3.2	3.4	2.8	3.6	3.2	3.4	3.5	3.1
INDUSTRY													
Nonagricultural private wage and salary workers ³	5.7	6.0	5.8	5.8	5.6	5.6	5.8	5.7	5.6	5.5	5.7	5.7	5.6
Construction	9.5	9.6	9.4	10.6	11.2	10.8	12.1	10.6	11.5	10.2	10.3	9.6	9.6
Manufacturing	5.6	5.5	5.6	5.3	5.1	5.1	5.0	5.0	4.8	5.2	5.4	5.4	5.3
Durable goods	4.9	5.0	5.4	4.8	4.6	4.6	4.4	4.4	4.1	4.3	4.6	4.4	4.8
Nondurable goods	6.6	6.3	5.8	6.1	6.0	5.8	6.0	5.9	5.8	6.4	6.5	7.0	6.2
Transportation	3.9	4.1	3.8	3.6	3.4	3.3	3.3	3.5	3.0	4.0	2.9	3.5	3.0
Wholesale and retail trade	6.4	6.8	6.5	6.7	6.7	6.5	6.8	6.5	6.6	6.2	6.6	6.4	6.8
Finance and service industries	4.8	5.4	5.2	5.1	4.6	5.0	5.1	5.1	4.8	4.7	4.8	5.0	4.7
Government workers	4.0	4.1	3.6	3.9	3.9	3.9	4.0	4.0	3.7	4.1	3.6	3.5	3.6
Agricultural wage and salary workers	8.4	9.6	8.7	8.7	9.5	7.9	7.7	7.2	8.9	7.7	8.6	9.3	7.7

¹ Unemployment as a percent of civilian labor force.

as a percent of potentially available labor force hours.

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

³ Includes mining, not shown separately.

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

[Numbers in thousands]

Weeks of unemployment	1978							1979					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
DURATION													
Both sexes, 16 years and over:													
Less than 5 weeks	2,772	2,967	2,795	2,783	2,719	2,833	2,876	2,713	2,743	2,751	2,939	2,787	2,927
5 to 14 weeks	1,908	1,873	1,895	1,861	1,789	1,774	1,979	1,877	1,870	1,857	1,874	1,935	1,782
15 weeks and over	1,266	1,314	1,234	1,268	1,317	1,196	1,208	1,251	1,260	1,305	1,235	1,243	1,086
15 to 26 weeks	674	668	625	663	732	685	726	728	712	729	692	705	616
27 weeks and over	592	646	609	605	585	511	482	523	548	576	543	508	470
Average (mean) duration, in weeks	12.0	11.8	11.4	11.5	11.8	11.0	10.7	11.2	11.3	11.7	11.0	11.1	10.4
Median duration, in weeks	6.0	6.0	6.0	5.9	5.9	5.4	5.6	5.9	6.3	5.8	5.2	5.2	5.6
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	46.6	48.2	47.2	47.1	46.7	48.8	47.4	46.4	46.7	46.5	48.6	47.0	50.5
5 to 14 weeks	32.1	30.4	32.0	31.5	30.7	30.6	32.6	32.1	31.8	31.4	31.0	32.6	30.8
15 weeks and over	21.3	21.4	20.8	21.4	22.6	20.6	19.9	21.4	21.4	22.1	20.4	20.4	18.7
15 to 26 weeks	11.3	10.9	10.6	11.2	12.6	11.8	12.0	12.5	12.1	12.3	11.4	11.9	10.6
27 weeks and over	10.0	10.5	10.3	10.2	10.0	8.8	7.9	9.0	9.3	9.7	9.0	8.6	8.1

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

Sex and age	1978							1979					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total, 16 years and over	5.8	6.1	5.9	5.9	5.8	5.8	5.9	5.8	5.7	5.7	5.8	5.8	5.6
16 to 19 years	15.1	16.3	15.7	16.3	16.2	16.2	16.5	15.7	16.1	15.5	16.5	16.8	15.3
16 to 17 years	17.1	20.0	18.6	19.2	19.2	19.3	20.2	18.4	18.4	18.9	19.1	19.2	16.7
18 to 19 years	13.4	13.9	13.5	14.0	14.0	14.0	13.8	13.6	14.6	13.1	14.3	15.2	14.1
20 to 24 years	9.4	9.9	9.0	9.3	8.6	9.0	9.3	8.6	8.6	8.8	8.5	8.9	8.9
25 years and over	3.9	4.1	4.1	4.0	3.9	3.8	3.9	3.9	3.9	3.9	4.0	3.8	3.8
25 to 54 years	4.1	4.3	4.3	4.1	4.2	4.0	4.2	4.2	4.1	4.1	4.2	4.0	4.0
55 years and over	3.2	3.2	3.0	3.3	3.0	2.9	2.9	2.9	3.0	3.1	3.1	3.2	2.9
Males, 16 years and over	4.8	5.1	5.0	5.1	5.1	5.0	5.1	5.1	5.0	5.0	5.1	4.9	4.7
16 to 19 years	13.7	15.4	14.8	15.5	16.1	15.9	16.7	16.1	16.5	16.0	16.2	16.1	14.1
16 to 17 years	16.8	18.6	17.7	19.1	19.9	20.1	20.7	19.1	19.2	19.9	18.0	19.0	15.8
18 to 19 years	12.0	13.0	12.5	12.6	13.2	12.7	13.6	13.5	14.7	13.2	14.2	14.1	13.5
20 to 24 years	8.4	8.9	8.8	8.6	8.5	8.5	8.9	8.4	8.2	8.4	7.8	8.0	8.0
25 years and over	3.1	3.3	3.3	3.3	3.3	3.1	3.2	3.2	3.2	3.2	3.3	3.1	3.1
25 to 54 years	3.2	3.3	3.5	3.4	3.4	3.2	3.4	3.3	3.2	3.3	3.4	3.1	3.1
55 years and over	3.1	3.4	2.9	3.0	2.8	2.5	2.6	2.8	2.8	2.8	3.0	2.9	3.1
Females, 16 years and over	7.3	7.6	7.1	7.1	6.8	6.9	6.9	6.7	6.7	6.7	6.9	7.0	6.9
16 to 19 years	16.6	17.4	16.8	17.1	16.3	16.5	16.3	15.3	15.7	14.8	16.8	17.7	16.6
16 to 17 years	17.6	21.6	19.7	19.4	18.4	18.3	19.6	17.5	17.4	17.8	20.2	19.3	17.7
18 to 19 years	15.0	14.8	14.6	15.6	14.8	15.5	14.1	13.6	14.4	13.0	14.4	16.4	14.8
20 to 24 years	10.5	11.0	9.2	10.1	8.7	9.6	9.7	8.9	9.1	9.4	9.4	9.9	9.9
25 years and over	5.1	5.4	5.2	4.9	4.9	4.9	5.0	5.0	4.9	4.8	4.9	5.0	4.8
25 to 54 years	5.6	5.8	5.6	5.2	5.2	5.2	5.3	5.4	5.3	5.2	5.2	5.2	5.3
55 years and over	3.2	2.9	3.2	3.8	3.3	3.5	3.3	3.1	3.3	3.6	3.1	3.7	2.7

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

[Numbers in thousands]

Reason for unemployment	1978							1979					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers	2,379	2,536	2,459	2,362	2,456	2,372	2,442	2,454	2,481	2,440	2,521	2,361	2,358
On layoff	636	696	700	683	644	746	715	753	792	789	846	710	796
Other job losers	1,743	1,840	1,759	1,679	1,812	1,626	1,727	1,701	1,689	1,652	1,675	1,652	1,562
Job leavers	853	855	840	849	812	825	871	927	829	863	847	951	867
Reentrants	1,785	1,870	1,743	1,930	1,721	1,754	1,937	1,692	1,756	1,788	1,790	1,762	1,738
New entrants	816	871	875	816	825	872	826	823	874	822	811	841	787
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	40.8	41.4	41.6	39.7	42.2	40.7	40.2	41.6	41.8	41.3	42.2	39.9	41.0
On layoff	10.9	11.4	11.8	11.5	11.1	12.8	11.8	12.8	13.3	13.3	14.2	12.0	13.8
Other job losers	29.9	30.0	29.7	28.2	31.2	27.9	28.4	28.9	28.4	27.9	28.1	27.9	27.2
Job leavers	14.6	13.9	14.2	14.3	14.0	14.2	14.3	15.7	14.0	14.6	14.2	16.1	15.1
Reentrants	30.6	30.5	29.5	32.4	29.6	30.1	31.9	28.7	29.6	30.2	30.0	29.8	30.2
New entrants	14.0	14.2	14.8	13.7	14.2	15.0	13.6	14.0	14.7	13.9	13.6	14.2	13.7
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	2.4	2.5	2.4	2.3	2.4	2.3	2.4	2.4	2.4	2.4	2.5	2.3	2.3
Job leavers .....	.8	.8	.8	.8	.8	.8	.9	.9	.8	.8	.8	.9	.8
Reentrants	1.8	1.9	1.7	1.9	1.7	1.7	1.9	1.7	1.7	1.7	1.8	1.7	1.7
New entrants .....	.8	.9	.9	.8	.8	.9	.8	.8	.9	.8	.8	.8	.8

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Sex and age	1978							1979					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total, 16 years and over	94,640	94,446	94,723	95,010	95,241	95,751	95,855	96,300	96,647	96,842	96,174	96,318	96,754
16 to 19 years	8,205	8,072	8,196	8,032	8,067	8,039	8,027	8,148	8,064	8,138	7,953	7,839	8,082
16 to 17 years	3,365	3,287	3,370	3,293	3,308	3,276	3,300	3,354	3,372	3,323	3,280	3,177	3,265
18 to 19 years	4,789	4,736	4,814	4,749	4,773	4,783	4,730	4,835	4,731	4,803	4,711	4,661	4,738
20 to 24 years	13,532	13,483	13,626	13,666	13,773	13,701	13,760	13,859	13,992	13,959	13,975	13,803	13,825
25 years and over	72,879	72,922	72,761	73,332	73,530	73,976	74,070	74,299	74,641	74,703	74,284	74,666	74,832
25 to 54 years	58,645	58,789	58,750	59,191	59,329	59,630	59,781	59,903	60,193	60,329	60,069	60,298	60,502
55 years and over	14,239	14,148	14,114	14,124	14,137	14,340	14,327	14,394	14,452	14,382	14,220	14,255	14,297
Males, 16 years and over	55,766	55,531	55,580	55,594	55,754	56,096	56,072	56,449	56,549	56,559	56,267	56,352	56,638
16 to 19 years	4,429	4,317	4,365	4,307	4,306	4,271	4,234	4,316	4,218	4,255	4,211	4,195	4,339
16 to 17 years	1,831	1,766	1,810	1,775	1,751	1,734	1,744	1,795	1,779	1,788	1,783	1,739	1,765
18 to 19 years	2,558	2,520	2,562	2,549	2,558	2,559	2,494	2,541	2,455	2,519	2,456	2,436	2,516
20 to 24 years	7,371	7,304	7,378	7,378	7,432	7,478	7,443	7,541	7,585	7,516	7,641	7,474	7,543
25 years and over	43,934	43,894	43,807	43,950	44,026	44,340	44,411	44,589	44,772	44,711	44,442	44,684	44,725
25 to 54 years	35,121	35,183	35,087	35,237	35,261	35,481	35,560	35,709	35,845	35,880	35,716	35,863	35,927
55 years and over	8,801	8,721	8,719	8,711	8,760	8,867	8,872	8,896	8,901	8,841	8,713	8,789	8,755
Females, 16 years and over	38,874	38,915	39,143	39,416	39,487	39,655	39,783	39,851	40,098	40,283	39,907	39,966	40,116
16 to 19 years	3,776	3,755	3,831	3,725	3,761	3,768	3,793	3,832	3,846	3,843	3,742	3,643	3,743
16 to 17 years	1,534	1,521	1,560	1,518	1,557	1,542	1,556	1,559	1,593	1,535	1,497	1,438	1,504
18 to 19 years	2,231	2,216	2,252	2,200	2,215	2,224	2,236	2,294	2,276	2,284	2,253	2,225	2,220
20 to 24 years	6,161	6,179	6,248	6,288	6,341	6,223	6,317	6,318	6,407	6,444	6,334	6,329	6,266
25 years and over	28,945	29,028	28,954	29,382	29,504	29,636	29,659	29,710	29,869	29,993	29,841	29,982	30,107
25 to 54 years	23,524	23,606	23,663	23,954	24,068	24,149	24,221	24,194	24,348	24,449	24,353	24,435	24,576
55 years and over	5,438	5,427	5,395	5,413	5,377	5,473	5,455	5,498	5,551	5,541	5,507	5,506	5,542

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

(In thousands)

Sex and age	1978							1979					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total, 16 years and over	5,864	6,176	5,940	5,964	5,836	5,877	6,012	5,883	5,881	5,871	5,937	5,929	5,774
16 to 19 years	1,458	1,576	1,528	1,562	1,557	1,556	1,590	1,517	1,549	1,490	1,570	1,587	1,455
16 to 17 years	696	824	772	783	786	781	834	755	758	775	772	753	655
18 to 19 years	742	763	751	773	775	778	759	758	807	724	788	835	779
20 to 24 years	1,399	1,479	1,343	1,399	1,298	1,361	1,406	1,310	1,316	1,355	1,305	1,348	1,344
25 years and over	2,991	3,152	3,088	3,025	3,015	2,951	3,015	3,049	2,998	3,008	3,063	2,978	2,963
25 to 54 years	2,538	2,648	2,660	2,553	2,569	2,514	2,615	2,607	2,566	2,574	2,602	2,509	2,546
55 years and over	464	465	436	478	438	428	424	435	449	462	448	471	432
Males, 16 years and over	2,816	2,971	2,937	2,965	2,971	2,923	3,044	3,026	2,989	3,001	3,001	2,910	2,808
16 to 19 years	704	784	756	793	826	810	849	826	835	821	814	805	712
16 to 17 years	369	404	389	418	436	436	455	424	423	443	392	408	331
18 to 19 years	348	378	367	367	390	371	391	397	424	383	408	399	394
20 to 24 years	679	712	708	696	693	699	730	693	674	687	647	653	655
25 years and over	1,426	1,487	1,506	1,495	1,505	1,413	1,469	1,493	1,459	1,481	1,538	1,406	1,436
25 to 54 years	1,145	1,185	1,256	1,228	1,237	1,188	1,249	1,231	1,202	1,235	1,254	1,156	1,164
55 years and over	286	305	257	265	253	230	235	258	257	253	270	259	277
Females, 16 years and over	3,048	3,205	3,003	2,999	2,865	2,954	2,968	2,857	2,891	2,870	2,936	3,019	2,966
16 to 19 years	754	792	772	769	731	746	741	691	714	669	756	782	743
16 to 17 years	327	420	383	365	350	345	379	331	335	332	380	345	324
18 to 19 years	394	385	384	406	385	407	368	361	383	341	380	436	385
20 to 24 years	720	767	635	703	605	662	676	618	642	668	658	695	688
25 years and over	1,565	1,665	1,582	1,530	1,510	1,538	1,546	1,555	1,539	1,527	1,526	1,572	1,527
25 to 54 years	1,393	1,463	1,404	1,325	1,332	1,326	1,366	1,376	1,364	1,340	1,349	1,352	1,382
55 years and over	178	160	179	213	185	198	189	177	192	208	179	211	155

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[In thousands]

Selected categories	1978							1979					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
CHARACTERISTICS													
Total, 16 years and over	94,640	94,446	94,723	95,010	95,241	95,751	95,855	96,300	96,647	96,842	96,174	96,318	96,754
Married men, spouse present	38,621	38,635	38,534	38,782	38,806	38,944	39,039	39,202	39,374	39,291	38,917	38,988	39,055
Married women, spouse present	21,749	21,837	21,737	22,133	22,194	22,274	22,297	22,410	22,632	22,700	22,355	22,490	22,580
OCCUPATION													
White-collar workers	47,225	47,276	47,325	47,550	47,713	47,888	48,040	48,275	49,001	49,133	49,160	49,104	49,165
Professional and technical Managers and administrators, except farm	14,318	14,249	14,246	14,182	14,307	14,297	14,629	14,743	15,034	15,083	15,226	15,220	15,053
Sales workers	5,922	5,992	5,892	5,898	5,986	6,192	6,092	6,055	6,141	6,067	6,079	6,091	6,065
Clerical workers	16,839	16,823	17,007	17,408	17,452	17,369	17,102	17,154	17,412	17,577	17,446	17,418	17,481
Blue-collar workers	31,554	31,282	31,506	31,891	31,986	32,202	31,962	32,491	32,331	32,085	31,562	31,826	31,958
Craft and kindred workers	12,429	12,220	12,557	12,628	12,556	12,646	12,610	12,842	12,932	12,808	12,697	12,790	13,003
Operatives, except transport Transport equipment operatives	10,924	10,877	10,741	10,981	11,178	11,177	10,887	11,047	10,953	11,060	10,651	10,664	10,759
Nonfarm laborers	3,501	3,487	3,429	3,573	3,561	3,640	3,640	3,676	3,618	3,565	3,550	3,667	3,596
Service workers	4,700	4,698	4,779	4,709	4,671	4,739	4,825	4,924	4,829	4,652	4,684	4,706	4,600
Farm workers	12,987	12,803	12,866	12,554	12,951	13,009	13,007	12,777	12,770	12,856	12,909	12,754	12,946
Farm workers	2,874	2,797	2,794	2,855	2,821	2,739	2,826	2,759	2,742	2,803	2,624	2,600	2,683
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,443	1,386	1,423	1,442	1,423	1,424	1,478	1,365	1,429	1,419	1,362	1,439	1,445
Self-employed workers	1,664	1,641	1,611	1,648	1,638	1,563	1,625	1,547	1,550	1,595	1,531	1,490	1,525
Unpaid family workers	328	340	319	307	323	293	318	293	348	324	282	270	293
Nonagricultural industries:													
Wage and salary workers	84,456	84,064	84,508	84,786	85,363	85,578	85,579	86,169	86,346	86,592	86,195	86,129	86,309
Government	15,255	15,184	15,275	15,336	15,387	15,373	15,360	15,217	15,293	15,224	15,356	15,635	15,257
Private industries	69,201	68,880	69,233	69,450	69,976	70,205	70,219	70,952	71,053	71,368	70,839	70,494	71,051
Private households	1,370	1,371	1,368	1,361	1,315	1,335	1,316	1,245	1,334	1,255	1,160	1,177	1,236
Other industries	67,831	67,509	67,865	68,089	68,661	68,870	68,903	69,707	69,719	70,112	69,679	69,317	69,816
Self-employed workers	6,216	6,216	6,219	6,224	6,314	6,370	6,515	6,525	6,632	6,585	6,468	6,625	6,600
Unpaid family workers	466	485	449	470	453	455	460	478	456	443	471	466	482
PERSONS AT WORK¹													
Nonagricultural industries	86,011	86,102	86,350	86,329	86,511	86,653	87,046	87,490	87,592	87,955	86,345	87,727	87,843
Full-time schedules	70,723	70,929	71,205	71,085	71,318	71,394	71,787	72,209	72,250	72,623	71,554	72,476	72,230
Part-time for economic reasons	3,433	3,316	3,298	3,203	3,164	3,131	3,058	3,159	3,147	3,179	3,312	3,307	3,416
Usually work full-time	1,409	1,347	1,350	1,283	1,167	1,279	1,209	1,208	1,205	1,235	1,265	1,246	1,416
Usually work part-time	2,024	1,969	1,948	1,920	1,997	1,852	1,849	1,951	1,942	1,944	2,048	2,061	2,000
Part-time for noneconomic reasons	11,855	11,857	11,847	12,041	12,029	12,128	12,201	12,122	12,195	12,154	11,479	11,943	12,196

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

HOUSEHOLD DATA

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

(Numbers in thousands)

Veteran status and age	Not seasonally adjusted									
	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed		Percent of labor force	
							Number		Percent of labor force	
June 1978	June 1979	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979	June 1978	June 1979	
VETERANS¹										
Total, 20 years and over	8,319	8,527	7,881	8,124	7,569	7,828	312	296	4.0	3.6
20 to 24 years	768	563	696	529	631	484	65	45	9.3	8.5
25 to 39 years	6,841	7,122	6,584	6,884	6,355	6,659	229	225	3.5	3.3
25 to 29 years	2,377	1,973	2,273	1,882	2,154	1,784	119	98	5.2	5.2
30 to 34 years	3,360	3,602	3,245	3,495	3,166	3,393	79	102	2.4	2.9
35 to 39 years	1,104	1,547	1,066	1,507	1,035	1,482	31	25	2.9	1.7
40 years and over	710	842	601	711	583	685	18	26	3.0	3.7
NONVETERANS²										
Total, 25 to 39 years	13,666	14,542	13,029	13,843	12,600	13,390	429	453	3.3	3.3
25 to 29 years	6,069	6,642	5,753	6,331	5,544	6,080	209	251	3.6	4.0
30 to 34 years	3,992	4,171	3,811	3,966	3,685	3,862	126	104	3.3	2.6
35 to 39 years	3,605	3,729	3,465	3,546	3,371	3,448	94	98	2.7	2.8

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

² Nonveterans are males who have never served in the Armed Forces. Published data are limited to those 25-39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

NOTE: Seasonally-adjusted data are no longer being provided because the changing age composition of the Vietnam-era veterans' population distorts the ability to identify seasonality in the series.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

[Numbers in thousands]

Employment status	1976			1977				1978				1979	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
TOTAL													
Total noninstitutional population ¹	155,717	156,368	156,990	157,582	158,223	158,898	159,531	160,126	160,715	161,355	162,037	162,663	163,260
Armed Forces.....	2,141	2,144	2,147	2,136	2,130	2,135	2,132	2,122	2,110	2,120	2,115	2,093	2,079
Civilian noninstitutional population ¹	153,576	154,224	154,843	155,446	156,094	156,764	157,399	158,004	158,605	159,235	159,922	160,570	161,181
Civilian labor force.....	94,453	95,205	95,583	96,248	97,106	97,607	98,538	99,263	100,127	100,753	101,524	102,475	102,295
Percent of civilian population.....	61.5	61.7	61.7	61.9	62.2	62.3	62.6	62.8	63.1	63.3	63.5	63.8	63.5
Employed.....	87,299	87,860	88,191	89,070	90,157	90,898	92,046	93,084	94,099	94,726	95,616	96,596	96,415
Percent of total population.....	56.1	56.2	56.2	56.5	57.0	57.2	57.7	58.1	58.5	58.7	59.0	59.4	59.1
Agriculture.....	3,324	3,309	3,253	3,170	3,300	3,202	3,302	3,326	3,314	3,378	3,345	3,295	3,210
Nonagricultural industries.....	83,975	84,552	84,937	85,900	86,857	87,697	88,744	89,758	90,785	91,348	92,270	93,301	93,205
Unemployed.....	7,154	7,345	7,392	7,178	6,949	6,708	6,492	6,179	6,028	6,027	5,908	5,878	5,880
Unemployment rate.....	7.6	7.7	7.7	7.5	7.2	6.9	6.6	6.2	6.0	6.0	5.8	5.7	5.7
Males, 20 years and over													
Total noninstitutional population ¹	66,090	66,385	66,711	67,023	67,321	67,641	67,951	68,238	68,520	68,831	69,184	69,491	69,786
Civilian noninstitutional population ¹	64,400	64,690	65,014	65,338	65,635	65,949	66,261	66,556	66,844	67,134	67,489	67,827	68,123
Civilian labor force.....	51,397	51,672	51,888	52,129	52,293	52,448	52,891	53,188	53,369	53,419	53,855	54,421	54,300
Percent of civilian population.....	79.8	79.9	79.8	79.8	79.7	79.5	79.8	79.9	79.8	79.6	79.8	80.2	79.7
Employed.....	48,404	48,633	48,786	49,156	49,538	49,843	50,397	50,777	51,151	51,239	51,704	52,243	52,171
Percent of total population.....	73.2	73.3	73.1	73.3	73.6	73.7	74.2	74.4	74.4	74.7	75.2	75.2	74.8
Agriculture.....	2,402	2,363	2,295	2,259	2,329	2,304	2,335	2,340	2,346	2,387	2,366	2,324	2,284
Nonagricultural industries.....	46,002	46,271	46,490	46,897	47,210	47,539	48,062	48,437	48,805	48,851	49,336	49,919	49,887
Unemployed.....	2,993	3,038	3,103	2,973	2,755	2,605	2,494	2,411	2,218	2,180	2,151	2,178	2,129
Unemployment rate.....	5.8	5.9	6.0	5.7	5.3	5.0	4.7	4.5	4.2	4.1	4.0	4.0	3.9
Females, 20 years and over													
Total noninstitutional population ¹	72,839	73,169	73,468	73,746	74,079	74,429	74,770	75,094	75,413	75,756	76,112	76,455	76,782
Civilian noninstitutional population ¹	72,754	73,080	73,378	73,653	73,984	74,331	74,671	74,994	75,310	75,649	76,003	76,345	76,670
Civilian labor force.....	34,065	34,510	34,735	35,045	35,559	35,842	36,277	36,715	37,228	37,679	38,057	38,419	38,500
Percent of civilian population.....	46.8	47.2	47.3	47.6	48.1	48.2	48.6	49.0	49.4	49.8	50.1	50.3	50.2
Employed.....	31,607	31,898	32,153	32,521	33,060	33,373	33,835	34,525	34,953	35,388	35,868	36,237	36,267
Percent of total population.....	43.4	43.6	43.8	44.1	44.6	44.8	45.3	46.0	46.3	46.7	47.1	47.4	47.3
Unemployed.....	2,458	2,612	2,582	2,525	2,499	2,469	2,442	2,190	2,276	2,291	2,190	2,182	2,213
Unemployment rate.....	7.2	7.6	7.4	7.2	7.0	6.9	6.7	6.0	6.1	6.1	5.8	5.7	5.7
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,788	16,815	16,812	16,813	16,823	16,828	16,810	16,794	16,782	16,768	16,742	16,717	16,692
Civilian noninstitutional population ¹	16,422	16,454	16,451	16,454	16,475	16,484	16,468	16,454	16,452	16,452	16,429	16,398	16,369
Civilian labor force.....	8,991	9,024	8,960	9,073	9,255	9,316	9,371	9,360	9,529	9,655	9,612	9,635	9,495
Percent of civilian population.....	54.7	54.8	54.5	55.1	56.2	56.5	56.9	57.9	58.7	58.7	58.5	58.8	57.9
Employed.....	7,288	7,329	7,252	7,393	7,559	7,682	7,814	7,782	7,995	8,100	8,044	8,116	7,958
Percent of total population.....	43.4	43.6	43.1	44.0	44.9	45.7	46.5	46.3	47.6	48.3	48.0	48.6	47.7
Unemployed.....	1,703	1,694	1,707	1,680	1,696	1,634	1,556	1,578	1,534	1,555	1,568	1,519	1,537
Unemployment rate.....	18.9	18.8	19.1	18.5	18.3	17.5	16.6	16.9	16.1	16.1	16.3	15.8	16.2
White													
Total noninstitutional population ¹	137,087	137,602	138,105	138,574	139,084	139,620	140,107	140,568	141,028	141,526	142,034	142,521	142,977
Civilian noninstitutional population ¹	135,303	135,823	136,326	136,812	137,333	137,870	138,364	138,839	139,323	139,822	140,336	140,857	141,330
Civilian labor force.....	83,595	84,294	84,582	85,149	85,923	86,222	87,014	87,484	88,232	88,673	89,427	90,301	90,073
Percent of civilian population.....	61.8	62.1	62.0	62.2	62.6	62.5	62.9	63.0	63.3	63.4	63.7	64.1	63.7
Employed.....	77,862	78,342	78,640	79,147	80,426	81,033	82,037	82,760	83,658	84,056	84,901	85,807	85,621
Percent of total population.....	56.8	56.9	56.9	57.3	57.8	58.0	58.6	58.9	59.3	59.4	59.8	60.2	59.9
Unemployed.....	5,733	5,952	5,942	5,732	5,497	5,189	4,977	4,723	4,574	4,618	4,526	4,494	4,452
Unemployment rate.....	6.9	7.1	7.0	6.7	6.4	6.0	5.7	5.4	5.2	5.2	5.1	5.0	4.9
Black and other													
Total noninstitutional population ¹	18,630	18,766	18,885	19,008	19,139	19,279	19,424	19,557	19,687	19,829	20,003	20,142	20,282
Civilian noninstitutional population ¹	18,273	18,401	18,517	18,634	18,761	18,894	19,035	19,164	19,282	19,413	19,585	19,713	19,851
Civilian labor force.....	10,846	10,918	11,046	11,099	11,186	11,334	11,564	11,783	11,894	12,029	12,146	12,185	12,208
Percent of civilian population.....	59.4	59.3	59.6	59.6	59.6	60.0	60.8	61.5	61.7	62.0	62.0	61.8	61.5
Employed.....	9,437	9,496	9,580	9,663	9,745	9,807	10,035	10,322	10,455	10,623	10,751	10,793	10,795
Percent of total population.....	50.7	50.6	50.7	50.8	50.9	50.9	51.7	52.8	53.1	53.6	53.7	53.6	53.2
Unemployed.....	1,409	1,421	1,466	1,437	1,441	1,527	1,529	1,461	1,439	1,406	1,395	1,393	1,413
Unemployment rate.....	13.0	13.0	13.3	12.9	12.9	13.5	13.2	12.4	12.1	11.7	11.5	11.4	11.6

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

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

**SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Full- and part-time employment status, sex, and age	1976			1977				1978				1979	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
FULL TIME													
Total, 16 years and over:													
Civilian labor force	80,580	81,003	81,595	82,007	82,723	83,205	83,761	84,501	85,255	85,941	86,402	87,321	87,455
Employed ¹	74,805	75,092	75,615	76,341	77,227	77,842	78,644	79,646	80,592	81,213	81,671	82,794	82,915
Unemployed	5,774	5,911	5,979	5,666	5,496	5,363	5,117	4,854	4,662	4,728	4,731	4,527	4,540
Unemployment rate	7.2	7.3	7.3	6.9	6.6	6.4	6.1	5.7	5.5	5.5	5.2	5.2	5.2
Males, 20 years and over:													
Civilian labor force	51,572	52,025	52,218	52,110	52,156	52,193	52,434	52,615	52,691	52,742	53,127	53,711	53,656
Employed ¹	46,052	46,300	46,411	46,705	47,089	47,337	47,843	48,231	48,609	48,733	49,170	49,729	49,724
Unemployed	2,760	2,863	2,904	2,702	2,534	2,428	2,296	2,192	2,041	2,005	1,979	1,991	1,966
Unemployment rate	5.7	5.8	5.9	5.5	5.1	4.9	4.6	4.3	4.0	4.0	3.9	3.8	3.8
Females, 20 years and over:													
Civilian labor force	28,886	29,094	29,479	29,654	30,030	30,348	30,465	30,811	31,131	31,668	31,816	32,076	32,341
Employed ¹	24,873	24,928	25,296	25,621	25,991	26,310	26,575	27,232	27,520	27,972	28,462	28,675	28,827
Unemployed	2,007	2,083	2,092	2,017	2,019	2,019	1,945	1,790	1,805	1,848	1,677	1,700	1,757
Unemployment rate	7.5	7.7	7.6	7.3	7.2	7.1	6.8	6.2	6.2	6.2	5.6	5.6	5.7
Both sexes, 16-19 years:													
Civilian labor force	5,896	5,795	5,877	5,909	6,033	6,027	5,979	5,929	6,095	6,258	5,990	6,062	5,999
Employed ¹	3,881	3,864	3,909	4,015	4,147	4,195	4,226	4,183	4,463	4,509	4,240	4,389	4,365
Unemployed	1,008	965	984	947	943	916	877	873	816	875	875	837	817
Unemployment rate	20.6	20.0	20.1	19.1	18.5	17.9	17.2	17.3	15.5	16.2	17.1	16.0	15.8
PART TIME													
Total, 16 years and over:													
Civilian labor force	13,875	14,263	14,013	14,257	14,362	14,406	14,770	14,766	14,831	14,807	15,117	15,169	14,840
Employed ¹	12,497	12,801	12,594	12,753	12,909	13,045	13,398	13,435	13,468	13,501	13,748	13,808	13,505
Unemployed	1,378	1,462	1,420	1,504	1,453	1,361	1,372	1,332	1,363	1,306	1,369	1,361	1,335
Unemployment rate	5.9	10.3	10.1	10.5	10.1	9.4	9.3	9.0	9.2	8.8	9.1	9.0	9.0
Males, 20 years and over:													
Civilian labor force	2,587	2,556	2,598	2,683	2,667	2,717	2,762	2,738	2,719	2,699	2,719	2,675	2,613
Employed ¹	2,345	2,339	2,380	2,450	2,437	2,517	2,551	2,543	2,535	2,512	2,536	2,509	2,444
Unemployed	238	217	218	233	230	200	210	195	184	188	183	166	169
Unemployment rate	9.2	8.5	8.4	8.7	8.6	7.3	7.6	7.1	6.8	7.0	6.7	6.2	6.5
Females, 20 years and over:													
Civilian labor force	7,162	7,490	7,335	7,457	7,527	7,486	7,748	7,733	7,883	7,831	7,919	8,092	7,917
Employed ¹	6,709	6,970	6,862	6,929	7,045	7,040	7,272	7,311	7,409	7,391	7,434	7,588	7,457
Unemployed	453	520	473	529	482	447	476	422	474	440	485	504	460
Unemployment rate	6.3	6.9	6.5	7.1	6.4	6.0	6.1	5.5	6.0	5.6	6.1	6.2	5.8
Both sexes, 16-19 years:													
Civilian labor force	4,127	4,216	4,080	4,117	4,168	4,203	4,261	4,295	4,229	4,276	4,480	4,401	4,309
Employed ¹	3,440	3,491	3,352	3,375	3,427	3,489	3,574	3,580	3,524	3,598	3,779	3,710	3,604
Unemployed	687	725	728	742	742	714	686	714	704	678	701	691	706
Unemployment rate	16.6	17.2	17.8	18.0	17.8	17.0	16.1	16.6	16.7	15.9	15.7	15.7	16.4

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Characteristics	1976			1977				1978				1979	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
WHITE													
Total, 16 years and over:													
Civilian labor force	83,595	84,294	84,582	85,149	85,923	86,222	87,014	87,484	88,232	88,673	89,427	90,301	90,073
Employed	77,862	78,342	78,640	79,417	80,426	81,033	82,037	82,760	83,658	84,056	84,901	85,807	85,621
Unemployed	5,733	5,952	5,942	5,732	5,497	5,189	4,977	4,723	4,574	4,618	4,526	4,494	4,452
Unemployment rate	6.9	7.1	7.0	6.7	6.4	6.0	5.7	5.4	5.2	5.2	5.1	5.0	4.9
Males, 20 years and over:													
Civilian labor force	46,073	46,341	46,474	46,603	46,821	46,980	47,332	47,495	47,685	47,700	48,032	48,544	48,449
Employed	43,637	43,802	43,947	44,210	44,595	44,934	45,378	45,619	45,965	45,985	46,356	46,873	46,810
Unemployed	2,436	2,538	2,527	2,392	2,226	2,045	1,955	1,876	1,720	1,715	1,676	1,671	1,639
Unemployment rate	5.3	5.5	5.4	5.1	4.8	4.4	4.1	3.9	3.6	3.6	3.5	3.4	3.4
Females, 20 years and over:													
Civilian labor force	29,470	29,852	30,058	30,358	30,774	30,948	31,311	31,644	32,075	32,403	32,822	33,168	33,198
Employed	27,505	27,789	28,016	28,369	28,838	29,046	29,462	29,986	30,357	30,684	31,174	31,545	31,541
Unemployed	1,965	2,063	2,042	1,988	1,936	1,902	1,849	1,658	1,717	1,720	1,648	1,653	1,657
Unemployment rate	6.7	6.9	6.8	6.5	6.3	6.1	5.9	5.2	5.4	5.3	5.0	5.0	5.0
Both sexes, 16 to 19 years:													
Civilian labor force	8,051	8,102	8,050	8,188	8,328	8,295	8,370	8,345	8,472	8,570	8,573	8,589	8,426
Employed	6,720	6,751	6,677	6,837	6,992	7,053	7,197	7,156	7,335	7,387	7,371	7,419	7,271
Unemployed	1,331	1,351	1,373	1,351	1,336	1,242	1,173	1,189	1,137	1,183	1,202	1,170	1,155
Unemployment rate	16.5	16.7	17.1	16.5	16.0	15.0	14.0	14.2	13.4	13.8	14.0	13.6	13.7
SLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	10,846	10,918	11,045	11,099	11,186	11,334	11,564	11,783	11,894	12,029	12,146	12,185	12,208
Employed	9,437	9,496	9,580	9,663	9,745	9,807	10,035	10,322	10,455	10,623	10,751	10,793	10,755
Unemployed	1,409	1,421	1,466	1,437	1,441	1,527	1,529	1,461	1,439	1,406	1,395	1,393	1,413
Unemployment rate	13.0	13.0	13.3	12.9	12.9	13.5	13.2	12.4	12.1	11.7	11.5	11.4	11.6
Males, 20 years and over:													
Civilian labor force	5,340	5,369	5,434	5,467	5,488	5,476	5,573	5,669	5,700	5,718	5,835	5,842	5,847
Employed	4,788	4,823	4,843	4,940	4,963	4,891	5,021	5,154	5,205	5,236	5,349	5,351	5,362
Unemployed	552	546	591	527	525	585	552	514	494	482	485	491	485
Unemployment rate	10.3	10.2	10.9	10.0	9.6	10.7	9.9	9.1	8.7	8.4	8.3	8.4	8.3
Females, 20 years and over:													
Civilian labor force	4,582	4,629	4,688	4,712	4,781	4,859	4,979	5,085	5,149	5,242	5,256	5,273	5,309
Employed	4,084	4,096	4,153	4,159	4,214	4,308	4,392	4,535	4,589	4,687	4,719	4,727	4,751
Unemployed	498	533	535	553	567	551	587	550	560	555	537	545	557
Unemployment rate	10.9	11.5	11.4	11.7	11.9	11.3	11.8	10.8	10.9	10.6	10.2	10.3	10.5
Both sexes, 16 to 19 years:													
Civilian labor force	924	920	924	900	917	999	1,012	1,030	1,045	1,070	1,056	1,071	1,052
Employed	565	577	585	563	568	608	621	633	661	700	683	715	662
Unemployed	359	342	339	337	349	391	391	397	385	370	373	356	370
Unemployment rate	38.9	37.2	36.7	37.4	38.0	39.1	38.6	38.6	36.8	34.6	35.3	33.3	35.2

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

A-47. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Selected categories	1976			1977				1978				1979	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
CHARACTERISTICS													
Total (all civilian workers)	7.6	7.7	7.7	7.5	7.2	6.9	6.6	6.2	6.0	6.0	5.8	5.7	5.7
Males, 20 years and over	5.8	5.9	6.0	5.7	5.3	5.0	4.7	4.5	4.2	4.1	4.0	4.0	3.9
Females, 20 years and over	7.2	7.6	7.4	7.2	7.0	6.9	6.7	6.0	6.1	6.1	5.8	5.7	5.7
Both sexes, 18-19 years	18.9	18.8	19.1	18.5	18.3	17.5	16.6	16.9	16.1	16.1	16.3	15.8	16.2
White	6.9	7.1	7.0	6.7	6.4	6.0	5.7	5.4	5.2	5.2	5.1	5.0	4.9
Black and other	13.0	13.0	13.3	12.9	12.9	13.5	13.2	12.4	12.1	11.7	11.5	11.4	11.6
Married men, spouse present	4.2	4.3	4.2	4.0	3.6	3.4	3.3	3.0	2.8	2.7	2.5	2.6	2.6
Married women, spouse present	7.0	7.3	7.1	6.8	6.7	6.4	6.2	5.4	5.6	5.6	5.5	5.2	5.2
Women who head families	9.5	10.3	10.0	9.6	9.3	9.7	8.8	8.2	9.4	8.6	7.7	8.1	8.8
Full-time workers	7.2	7.3	7.3	6.9	6.6	6.4	6.1	5.7	5.5	5.5	5.2	5.2	5.2
Part-time workers	9.9	10.3	10.1	10.5	10.1	9.4	9.3	9.0	9.2	8.8	9.1	9.0	9.0
Unemployed 15 weeks and over ¹	2.3	2.4	2.4	2.2	2.0	1.9	1.8	1.6	1.4	1.3	1.2	1.2	1.2
Labor force time lost ²	8.2	8.2	8.3	8.0	7.6	7.4	7.2	6.7	6.5	6.6	6.2	6.2	6.4
OCCUPATION													
White-collar workers	4.6	4.7	4.5	4.6	4.3	4.1	4.1	3.6	3.6	3.6	3.3	3.4	3.3
Professional and technical	3.2	3.1	3.2	3.2	3.1	3.0	2.8	2.6	2.5	2.6	2.7	2.3	2.2
Managers and administrators, except farm	3.0	3.4	3.0	3.0	2.9	2.5	2.7	2.2	2.0	2.1	2.0	2.0	2.2
Sales workers	5.1	5.5	5.3	5.6	5.4	5.2	4.6	4.2	4.4	4.2	3.6	4.1	4.2
Clerical workers	6.5	6.6	6.1	6.4	5.8	5.7	5.6	4.9	5.2	4.5	4.5	4.7	4.6
Blue-collar workers	9.3	9.6	9.4	8.6	8.1	7.9	7.5	7.2	6.7	6.6	6.7	6.5	6.7
Craft and kindred workers	6.9	7.0	6.8	6.2	5.5	5.4	5.2	5.1	4.4	4.4	4.6	4.6	4.1
Operatives, except transport	10.7	10.8	10.8	9.8	9.5	9.6	9.0	8.3	8.2	8.4	7.6	7.6	8.2
Transport equipment operatives	7.0	7.8	7.9	7.4	6.5	6.6	5.7	5.3	5.3	5.5	4.8	5.0	5.6
Nonfarm laborers	13.4	14.2	13.4	12.9	12.3	11.5	11.3	11.4	9.7	10.3	11.2	9.7	10.7
Service workers	8.4	8.6	9.0	8.4	8.5	8.0	7.8	7.5	7.5	7.3	7.4	7.4	7.3
Farm workers	4.5	4.3	5.2	5.1	4.7	4.4	4.2	4.2	3.3	3.8	3.8	3.2	3.3
INDUSTRY													
Nonagricultural private wage and salary workers ³	7.7	8.0	7.9	7.5	7.1	6.8	6.6	6.2	5.9	5.9	5.7	5.6	5.6
Construction	15.6	16.4	14.8	14.5	12.8	11.3	11.3	11.2	9.6	9.9	11.4	10.6	9.9
Manufacturing	7.7	7.8	7.8	7.1	6.6	6.7	6.2	5.7	5.5	5.5	5.1	5.0	5.4
Durable goods	7.7	7.3	7.5	6.8	6.0	6.2	5.7	5.2	4.9	5.1	4.5	4.3	4.6
Nondurable goods	7.8	8.5	8.3	7.7	7.5	7.6	6.8	6.5	6.5	6.1	5.9	6.1	6.6
Transportation and public utilities	4.9	5.0	5.2	4.9	4.5	4.7	4.6	3.8	3.9	3.8	3.3	3.5	3.1
Wholesale and retail trade	8.4	8.8	8.6	8.5	8.1	7.9	7.5	7.2	6.8	6.7	6.7	6.5	6.6
Finance and service industries	6.3	6.5	6.6	6.3	6.2	5.7	5.7	5.2	5.0	5.2	4.9	4.9	4.8
Government workers	4.6	4.3	4.3	4.3	4.1	4.1	4.2	3.8	4.0	3.9	3.9	3.9	3.6
Agricultural wage and salary workers	11.9	11.5	12.7	12.6	11.8	10.2	9.7	9.5	8.1	9.0	8.4	7.9	8.5

¹ Unemployment as a percent of civilian labor force.

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

as a percent of potentially available labor force hours.

³ Includes mining, not shown separately.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Weeks of unemployment	1976			1977				1978				1979	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
DURATION													
Both sexes, 16 years and over:													
Less than 5 weeks	2,811	2,856	2,837	2,887	2,951	2,796	2,773	2,727	2,794	2,848	2,809	2,736	2,884
5 to 14 weeks	2,088	2,246	2,292	2,171	2,058	2,101	1,991	1,897	1,869	1,876	1,647	1,868	1,864
15 weeks and over	2,198	2,299	2,294	2,126	1,896	1,831	1,730	1,563	1,385	1,272	1,240	1,272	1,178
15 to 26 weeks	887	1,060	1,032	942	844	901	862	840	735	652	714	723	671
27 weeks and over	1,311	1,239	1,262	1,185	1,052	929	869	723	650	620	526	549	507
Average (mean duration, in weeks)	15.9	15.5	15.2	14.8	14.6	13.9	13.6	12.7	12.2	11.6	11.2	11.4	10.8
Median duration, in weeks	7.9	7.8	8.0	7.4	6.9	7.1	6.9	6.6	5.7	6.0	5.6	6.0	5.3
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	39.6	38.6	38.2	40.2	42.7	41.6	42.7	44.1	46.2	47.5	47.6	46.6	48.7
5 to 14 weeks	29.4	30.3	30.9	30.2	29.8	31.2	30.7	30.7	30.9	31.3	31.3	31.8	31.5
15 weeks and over	31.0	31.1	30.9	29.6	27.5	27.2	26.6	25.3	22.9	21.2	21.0	21.6	19.9
15 to 26 weeks	12.5	14.3	13.9	13.1	12.2	13.4	13.3	13.6	12.2	10.9	12.1	12.3	11.3
27 weeks and over	18.5	16.7	17.0	16.5	15.2	13.8	13.4	11.7	10.7	10.3	8.9	9.3	8.6

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

Sex and age	1976			1977				1978				1979	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
Total, 16 years and over	7.6	7.7	7.7	7.5	7.2	6.9	6.6	6.2	6.0	6.0	5.8	5.7	5.7
16 to 19 years	18.9	18.8	19.1	18.5	18.3	17.5	16.6	16.9	16.1	16.1	16.3	15.8	16.2
16 to 17 years	21.5	21.0	21.4	20.8	20.5	19.8	18.7	19.8	18.6	19.3	19.5	18.5	18.3
18 to 19 years	17.1	17.3	17.4	16.9	16.7	16.0	15.1	14.8	14.1	13.6	13.9	13.7	14.5
20 to 24 years	11.8	11.7	12.3	11.5	11.0	10.8	10.3	10.2	9.5	9.4	9.0	8.7	8.8
25 years and over	5.3	5.6	5.5	5.2	5.0	4.8	4.6	4.1	4.1	4.1	3.9	3.9	3.9
25 to 54 years	5.5	5.8	5.7	5.5	5.2	5.0	4.8	4.3	4.3	4.3	4.1	4.1	4.1
55 years and over	4.6	4.8	4.3	4.4	4.1	3.9	4.0	3.3	3.2	3.2	2.9	3.0	3.1
Males, 16 years and over	7.0	7.0	7.1	6.8	6.4	6.0	5.7	5.6	5.1	5.1	5.1	5.0	4.9
16 to 19 years	19.5	18.7	19.3	18.2	17.7	17.2	15.9	16.4	15.1	15.2	16.2	16.2	15.5
16 to 17 years	22.1	20.9	21.8	20.3	20.1	19.9	17.8	19.7	18.2	18.5	20.2	19.4	17.6
18 to 19 years	17.6	17.0	17.4	16.7	16.0	15.2	14.5	13.9	12.8	12.7	13.1	13.8	13.9
20 to 24 years	11.8	11.8	12.4	11.4	10.8	10.8	9.8	10.2	8.6	8.8	8.7	8.3	7.9
25 years and over	4.7	5.0	4.9	4.6	4.3	4.0	3.9	3.5	3.3	3.3	3.2	3.2	3.2
25 to 54 years	4.8	5.1	5.1	4.7	4.4	4.1	3.9	3.6	3.4	3.4	3.3	3.3	3.2
55 years and over	4.6	4.5	4.1	4.3	3.7	3.7	3.7	3.2	3.3	3.1	2.6	2.8	3.0
Females, 16 years and over	8.4	8.8	8.6	8.5	8.3	8.1	7.9	7.2	7.3	7.3	6.9	6.7	6.9
16 to 19 years	18.3	18.9	18.7	18.9	19.0	17.9	17.4	17.4	17.2	17.1	16.4	15.3	17.0
16 to 17 years	20.9	21.2	20.5	21.5	21.0	19.6	19.7	19.8	19.1	20.3	18.7	17.6	19.1
18 to 19 years	16.5	17.5	17.3	17.2	17.4	16.9	15.8	15.9	15.6	15.0	14.8	13.7	15.2
20 to 24 years	11.8	11.6	12.1	11.7	11.2	10.9	10.3	10.3	10.3	10.1	9.3	9.1	9.7
25 years and over	6.2	6.7	6.4	6.2	6.1	6.0	5.8	5.0	5.1	5.2	4.9	4.9	4.9
25 to 54 years	6.6	7.0	6.8	6.6	6.5	6.3	6.1	5.4	5.6	5.6	5.3	5.3	5.3
55 years and over	4.7	5.3	4.7	4.6	4.6	4.4	4.4	3.5	3.1	3.3	3.4	3.4	3.2

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

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

(Numbers in thousands)

Reason for unemployment	1976			1977				1978				1979	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers	3,623	3,636	3,607	3,341	3,085	3,048	2,846	2,621	2,516	2,452	2,423	2,458	2,413
On layoff	1,063	1,084	1,012	917	840	855	763	717	658	693	702	778	784
Other job losers	2,560	2,552	2,595	2,424	2,245	2,192	2,083	1,903	1,858	1,759	1,722	1,681	1,629
Job leavers	871	954	880	908	912	864	877	872	853	848	836	873	888
Reentrants	1,816	1,931	1,953	1,976	1,976	1,869	1,884	1,831	1,776	1,848	1,804	1,745	1,763
New entrants	860	872	935	953	981	948	871	902	871	854	841	840	813
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	50.5	49.2	48.9	46.5	44.4	45.3	43.9	42.1	41.8	40.9	41.0	41.6	41.1
On layoff	14.8	14.7	13.7	12.8	12.1	12.7	11.8	11.5	10.9	11.5	11.9	13.1	13.3
Other job losers	35.7	34.5	35.2	33.8	32.3	32.6	32.2	30.6	30.9	29.3	29.2	28.4	27.7
Job leavers	12.2	12.9	11.9	12.7	13.1	12.8	13.5	14.0	14.2	14.1	14.2	14.8	15.1
Reentrants	25.3	26.1	26.5	27.5	28.4	27.8	29.1	29.4	29.5	30.8	30.6	29.5	30.0
New entrants	12.0	11.8	12.7	13.3	14.1	14.1	13.4	14.5	14.5	14.2	14.2	14.2	13.8
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	3.8	3.8	3.8	3.5	3.2	3.1	2.9	2.6	2.5	2.4	2.4	2.4	2.4
Job leavers .....	.9	1.0	.9	.9	.9	.9	.9	.9	.9	.8	.8	.9	.9
Reentrants	1.9	2.0	2.0	2.1	2.0	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.7
New entrants .....	.9	.9	1.0	1.0	1.0	1.0	.9	.9	.9	.8	.8	.8	.8

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

(In thousands)

Sex and age	1976			1977				1978				1979	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
Total, 16 years and over	87,299	87,860	88,191	89,070	90,157	90,898	92,046	93,084	94,099	94,726	95,616	96,556	96,415
16 to 19 years	7,288	7,329	7,252	7,393	7,559	7,682	7,814	7,782	7,995	8,100	8,044	8,116	7,958
16 to 17 years	2,905	2,968	2,894	2,980	3,038	3,110	3,207	3,173	3,290	3,317	3,295	3,350	3,242
16 to 19 years	4,373	4,360	4,367	4,428	4,513	4,551	4,614	4,622	4,699	4,766	4,762	4,790	4,703
20 to 24 years	12,271	12,360	12,426	12,652	12,746	12,934	13,079	13,204	13,450	13,592	13,745	13,937	13,869
25 years and over	67,737	68,150	68,533	69,030	69,842	70,257	71,177	72,098	72,644	73,005	73,859	74,548	74,594
25 to 54 years	54,314	54,645	54,941	55,474	56,113	56,590	57,226	58,098	58,473	58,910	59,580	60,142	60,290
65 years and over	13,397	13,527	13,588	13,563	13,711	13,691	13,944	13,998	14,151	14,129	14,268	14,409	14,271
Males, 16 years and over	52,305	52,569	52,692	53,136	53,659	53,978	54,666	54,992	55,441	55,568	55,974	56,519	56,419
16 to 19 years	3,900	3,936	3,906	3,980	4,121	4,135	4,269	4,215	4,290	4,330	4,270	4,276	4,248
16 to 17 years	1,578	1,530	1,592	1,623	1,688	1,711	1,794	1,756	1,782	1,784	1,743	1,787	1,762
18 to 19 years	2,312	2,313	2,314	2,366	2,422	2,417	2,475	2,472	2,498	2,544	2,537	2,505	2,471
20 to 24 years	6,732	6,773	6,853	6,962	6,949	7,059	7,149	7,166	7,342	7,353	7,451	7,547	7,553
25 years and over	41,672	41,856	41,944	42,191	42,583	42,779	43,255	43,606	43,802	43,884	44,259	44,691	44,617
25 to 54 years	33,309	33,423	33,516	33,749	34,047	34,252	34,601	34,948	35,062	35,169	35,434	35,811	35,836
55 years and over	8,351	8,436	8,439	8,446	8,525	8,529	8,663	8,660	8,726	8,717	8,833	8,879	8,752
Females, 16 years and over	34,994	35,291	35,499	35,934	36,498	36,920	37,380	38,092	38,658	39,158	39,642	40,077	39,996
16 to 19 years	3,387	3,393	3,346	3,413	3,438	3,547	3,546	3,566	3,706	3,770	3,774	3,840	3,709
16 to 17 years	1,327	1,338	1,302	1,357	1,351	1,398	1,413	1,417	1,507	1,533	1,552	1,562	1,480
18 to 19 years	2,060	2,046	2,053	2,062	2,092	2,133	2,139	2,150	2,201	2,223	2,225	2,285	2,233
20 to 24 years	5,539	5,587	5,573	5,690	5,797	5,875	5,930	6,038	6,108	6,238	6,294	6,389	6,316
25 years and over	26,065	26,294	26,590	26,839	27,259	27,478	27,922	28,492	28,843	29,121	29,600	29,857	29,977
25 to 54 years	21,006	21,222	21,423	21,725	22,066	22,338	22,624	23,150	23,411	23,741	24,146	24,330	24,454
55 years and over	5,046	5,091	5,145	5,117	5,186	5,162	5,281	5,338	5,425	5,412	5,435	5,530	5,518

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

[In thousands]

Selected categories	1976			1977				1978				1979	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
CHARACTERISTICS													
Total, 16 years and over	87,299	87,860	88,191	89,070	90,157	90,898	92,046	93,084	94,099	94,726	95,616	96,596	96,415
Married men, spouse present	38,105	38,144	38,009	38,241	38,444	38,361	38,539	38,556	38,597	38,650	38,930	38,289	38,967
Married women, spouse present	20,205	20,419	20,483	20,731	21,908	20,969	21,286	21,648	21,719	21,902	22,255	22,581	22,475
OCCUPATION													
White-collar workers	43,553	43,824	44,293	44,500	44,770	45,318	46,146	46,609	46,968	47,384	47,880	48,803	49,143
Professional and technical	13,217	13,433	13,482	13,480	13,561	13,769	13,950	14,063	14,287	14,226	14,411	14,953	15,166
Managers and administrators, except farm	9,313	9,340	9,465	9,516	9,520	9,697	9,906	10,100	10,101	10,151	10,072	10,381	10,449
Sales workers	5,479	5,505	5,648	5,696	5,699	5,734	5,781	5,891	5,894	5,927	6,090	6,088	6,079
Clerical workers	15,543	15,547	15,698	15,809	15,990	16,117	16,509	16,555	16,687	17,079	17,308	17,381	17,449
Blue-collar workers	28,951	28,978	29,172	29,801	30,154	30,273	30,609	31,027	31,494	31,560	32,050	32,303	31,789
Craft and kindred workers	11,213	11,307	11,370	11,665	11,867	11,918	12,069	12,156	12,313	12,468	12,604	12,861	12,830
Operatives, except transport equipment	10,139	10,062	10,114	10,327	10,336	10,337	10,429	10,693	10,866	10,866	11,081	11,020	10,691
Transport equipment operatives	3,286	3,283	3,304	3,428	3,485	3,481	3,511	3,536	3,516	3,496	3,620	3,620	3,604
Nonfarm laborers	4,314	4,327	4,384	4,380	4,466	4,538	4,600	4,635	4,800	4,729	4,745	4,802	4,663
Service workers	11,985	12,144	11,993	12,095	12,423	12,474	12,571	12,690	12,880	12,808	12,989	12,801	12,869
Farm workers	2,844	2,832	2,780	2,698	2,822	2,710	2,788	2,814	2,769	2,815	2,795	2,768	2,636
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,311	1,317	1,325	1,288	1,324	1,316	1,393	1,386	1,428	1,417	1,442	1,404	1,415
Self-employed workers	1,658	1,651	1,597	1,535	1,598	1,561	1,582	1,585	1,599	1,633	1,609	1,564	1,515
Unpaid family workers	349	343	345	347	372	316	342	347	291	322	311	321	282
Nonagricultural industries:													
Wage and salary workers	77,094	78,397	78,755	79,545	80,401	81,036	82,204	83,036	84,031	84,453	85,507	86,369	86,211
Government	14,882	15,098	14,946	14,979	15,040	15,208	15,381	15,247	15,272	15,265	15,373	15,245	15,416
Private industries	63,012	63,298	63,810	64,566	65,361	65,828	66,823	67,789	68,759	69,188	70,133	71,124	70,795
Private households	1,357	1,387	1,391	1,357	1,353	1,394	1,395	1,372	1,392	1,367	1,322	1,278	1,191
Other industries	61,655	61,912	62,419	63,209	64,008	64,433	65,428	66,417	67,367	67,821	68,811	69,846	69,604
Self-employed workers	5,656	5,675	5,753	5,860	5,982	6,051	6,128	6,296	6,311	6,220	6,400	6,582	6,564
Unpaid family workers	451	444	467	483	509	504	469	475	487	468	456	459	473
PERSONS AT WORK¹													
Nonagricultural industries	78,593	79,266	79,901	80,717	81,418	82,579	83,243	84,034	85,736	86,260	86,737	87,679	87,305
Full-time schedules	64,483	64,936	65,446	66,144	66,889	67,741	68,257	69,189	70,431	71,073	71,500	72,361	72,087
Part time for economic reasons	3,210	3,244	3,411	3,350	3,273	3,328	3,230	3,144	3,330	3,272	3,118	3,162	3,345
Usually work full time	1,345	1,325	1,271	1,261	1,259	1,273	1,235	1,169	1,284	1,327	1,218	1,216	1,309
Usually work part time	1,865	1,919	2,139	2,090	2,014	2,055	1,996	1,975	2,046	1,946	1,899	1,945	2,036
Part time for noneconomic reasons	10,900	11,087	11,044	11,222	11,256	11,510	11,755	11,701	11,975	11,915	12,119	12,157	11,873

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

[In thousands]

Characteristic	1976			1977				1978				1979 ¹	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
TOTAL													
Both sexes, 16 years and over:													
Total not in labor force.....	59,123	59,019	59,260	59,198	58,988	59,157	58,861	58,741	58,478	58,482	58,398	58,095	58,886
Do not want job now.....	53,948	54,561	53,775	53,798	53,210	53,244	53,108	53,747	53,252	52,745	53,110	53,492	53,753
Current activity:													
Going to school.....	6,256	6,736	6,324	6,174	6,153	6,202	6,191	6,255	6,227	6,010	5,964	5,932	5,974
Ill, disabled.....	4,714	4,835	4,604	4,718	4,525	4,539	4,397	4,508	4,598	4,399	4,633	4,566	4,573
Keeping house.....	30,984	30,684	30,307	30,651	30,146	30,064	30,049	29,774	29,723	29,351	29,242	29,385	29,308
Retired.....	8,469	8,788	8,789	8,743	8,023	9,043	9,041	9,449	9,172	9,392	9,475	9,638	9,950
Other.....	3,527	3,519	3,752	3,511	3,363	3,395	3,430	3,761	3,533	3,594	3,796	3,971	3,949
Want a job now.....	5,430	4,329	5,450	5,530	5,741	5,884	5,561	5,428	5,260	5,486	5,239	5,262	5,164
Reason not looking:													
School attendance.....	1,560	1,148	1,506	1,513	1,499	1,641	1,523	1,404	1,296	1,518	1,359	1,338	1,357
Ill health, disability.....	738	495	639	688	783	804	751	697	755	706	736	755	713
Home responsibilities.....	1,213	1,038	1,288	1,220	1,230	1,287	1,217	1,214	1,237	1,242	1,210	1,212	1,225
Think cannot get job.....	922	782	995	956	1,071	1,028	970	914	851	853	760	724	826
Job-market factors.....	632	554	729	669	746	719	630	635	541	620	485	483	517
Personal factors.....	290	228	266	287	325	309	340	279	310	232	275	241	309
Other reasons ¹	997	867	1,021	1,154	1,108	1,124	1,100	1,199	1,121	1,167	1,173	1,232	1,043
Males													
Total not in labor force.....	16,298	16,336	16,438	16,499	16,503	16,680	16,461	16,491	16,591	16,787	16,706	16,456	16,956
Do not want job now.....	14,706	15,193	14,763	14,826	14,666	14,782	14,677	14,902	14,905	15,026	14,990	15,045	15,409
Want a job now.....	1,667	1,300	1,666	1,675	1,770	1,826	1,701	1,749	1,637	1,733	1,665	1,691	1,530
Reason not looking:													
School attendance.....	790	589	720	757	777	794	751	703	638	763	702	659	674
Ill health, disability.....	316	203	274	303	332	327	326	323	336	318	335	373	276
Think cannot get job.....	313	264	343	291	313	350	309	344	305	291	275	294	264
Other reasons ¹	248	244	329	324	348	354	315	378	359	361	354	364	316
Females													
Total not in labor force.....	42,825	42,683	42,823	42,699	42,485	42,476	42,400	42,250	41,887	41,695	41,692	41,639	41,930
Do not want job now.....	39,242	39,368	39,012	38,972	38,544	38,461	38,431	38,844	38,347	37,719	38,120	38,447	38,344
Want a job now.....	3,763	3,029	3,784	3,855	3,971	4,059	3,860	3,679	3,623	3,753	3,574	3,571	3,634
Reason not looking:													
School attendance.....	770	559	785	756	722	847	771	701	658	755	658	679	683
Ill health, disability.....	421	292	365	384	451	477	425	374	420	388	402	381	437
Home responsibilities.....	1,213	1,038	1,288	1,220	1,280	1,287	1,217	1,214	1,237	1,242	1,210	1,212	1,225
Think cannot get job.....	609	518	652	665	758	677	661	570	546	561	485	430	562
Other reasons.....	750	623	693	830	760	770	785	820	762	806	819	868	727
White													
Total not in labor force.....	51,708	51,529	51,744	51,663	51,410	51,648	51,350	51,355	51,091	51,149	50,909	50,556	51,257
Do not want job now.....	47,718	48,112	47,512	47,363	47,156	47,280	46,918	47,382	47,275	46,870	46,840	46,817	47,437
Want a job now.....	4,090	3,421	4,147	4,283	4,334	4,316	4,267	4,168	3,980	4,339	3,887	4,013	3,925
Reason not looking:													
School attendance.....	1,147	941	1,097	1,176	1,078	1,136	1,125	1,033	943	1,272	1,007	981	943
Ill health, disability.....	508	364	437	520	643	576	537	499	550	526	507	536	525
Home responsibilities.....	923	816	1,023	1,000	976	950	971	980	961	956	894	978	943
Think cannot get job.....	696	587	742	683	743	720	712	647	584	591	531	513	585
Other reasons.....	816	713	847	905	894	933	923	1,010	943	994	947	1,005	933
Black and other													
Total not in labor force.....	7,427	7,483	7,471	7,535	7,575	7,560	7,471	7,381	7,388	7,384	7,439	7,528	7,643
Do not want job now.....	6,103	6,512	6,184	6,250	6,122	6,046	6,215	6,102	6,108	6,098	6,123	6,275	6,413
Want a job now.....	1,297	934	1,274	1,297	1,371	1,577	1,255	1,309	1,267	1,244	1,321	1,287	1,206
Reason not looking:													
School attendance.....	406	221	403	347	407	495	394	383	341	327	348	370	403
Ill health, disability.....	236	129	192	181	159	223	195	210	221	173	210	232	194
Home responsibilities.....	288	244	280	268	283	341	239	270	257	269	309	275	258
Think cannot get job.....	211	211	258	280	302	319	253	273	253	277	232	210	220
Other reasons.....	156	128	141	221	219	199	174	174	195	178	222	199	131

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 and sex

[In thousands]

Reasons for not seeking work	Total		Age in years								
			16-19		20-24		25-59		60 and over		
	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	
TOTAL											
Total not in labor force	58,488	48,886	6,792	6,769	4,507	4,437	22,600	22,500	24,589	25,180	
Do not want a job now	52,895	53,335	5,163	5,043	3,566	3,455	20,127	20,137	24,038	24,700	
Current activity:											
Going to school	5,684	5,383	3,875	3,644	1,229	1,205	569	528	9	7	
Ill, disabled	4,610	4,583	52	66	128	124	2,296	2,256	2,134	2,135	
Keeping house	29,935	29,528	561	524	1,811	1,650	15,310	15,154	12,253	12,201	
Retired	9,226	10,020	--	--	--	--	181	228	9,046	9,792	
Other	3,440	3,821	675	809	398	476	1,771	1,971	596	565	
Want a job now	5,593	5,551	1,629	1,725	940	982	2,473	2,363	553	481	
Reason not looking:											
School attendance	1,738	1,870	1,203	1,314	355	363	180	190	--	2	
Ill health, disability	747	694	24	25	69	49	487	474	168	147	
Home responsibilities	1,195	1,182	80	77	213	285	860	791	42	28	
Think cannot get job	826	796	114	121	133	113	399	417	180	145	
Job-market factors	550	532	87	86	103	79	278	303	82	61	
Personal factors	275	265	28	35	29	33	122	113	99	84	
Other reasons ¹	1,087	1,009	208	188	170	172	547	491	163	159	
Males											
Total not in labor force	16,460	16,834	3,003	3,024	1,282	1,246	3,094	3,230	9,082	9,334	
Do not want a job now	14,559	14,979	2,218	2,189	916	942	2,607	2,737	8,817	9,109	
Current activity:											
Going to school	2,759	2,608	1,849	1,739	639	626	269	243	--	--	
Ill, disabled	2,504	2,475	22	31	71	60	1,247	1,243	1,163	1,141	
Keeping house	248	246	4	13	5	13	66	57	173	162	
Retired	7,185	7,589	--	--	--	--	155	211	7,031	7,378	
Other	1,863	2,061	343	406	201	243	870	983	450 ²	428	
Want a job now	1,901	1,857	786	836	367	305	488	493	265	224	
Reason not looking:											
School attendance	874	966	608	676	199	212	68	76	--	2	
Ill health, disability	349	287	16	11	31	13	209	195	95	69	
Think cannot get job	310	274	76	56	55	35	106	107	74	75	
Other reasons ¹	368	330	86	93	82	45	105	115	96	78	
Females											
Total not in labor force	42,028	42,052	3,790	3,745	3,225	3,190	19,506	19,270	15,507	15,847	
Do not want a job now	38,338	38,358	2,946	2,854	2,651	2,516	17,519	17,403	15,221	15,590	
Current activity:											
Going to school	2,925	2,775	2,026	1,904	590	579	301	284	9	6	
Ill, disabled	2,108	2,108	30	35	58	67	1,048	1,015	972	994	
Keeping house	29,687	29,283	557	511	1,806	1,637	15,243	15,099	12,079	12,039	
Retired	2,041	2,431	--	--	--	--	26	17	2,015	2,414	
Other	1,577	1,761	333	404	197	233	901	988	146	137	
Want a job now	3,691	3,694	844	891	574	675	1,985	1,869	286	258	
Reason not looking:											
School attendance	864	904	596	639	156	151	112	115	--	--	
Ill health, disability	397	407	9	14	38	34	278	278	72	79	
Home responsibilities	1,195	1,182	80	77	213	285	860	791	42	28	
Think cannot get job	516	522	38	66	79	78	293	309	106	70	
Other reasons	719	679	121	95	88	127	442	376	66	81	

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

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

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-55. 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	
	II 1978	II 1979	16-24		25-59		60 and over		II 1978	II 1979	II 1978	II 1979
			II 1978	II 1979	II 1978	II 1979	II 1978	II 1979				
WHITE												
Total not in labor force	51,096	51,240	8,983	8,847	19,812	19,596	22,300	22,797	14,047	14,323	37,048	36,917
Do not want a job now	46,886	47,028	7,156	6,907	17,904	17,729	21,826	22,387	12,649	12,915	34,237	34,113
Current activity:												
Going to school	4,588	4,286	4,111	3,870	469	409	9	6	2,252	2,092	2,336	2,194
Ill, disabled	3,801	3,683	146	152	1,836	1,768	1,819	1,761	2,080	2,022	1,721	1,661
Keeping house	27,242	26,772	2,046	1,831	13,951	13,711	11,243	11,229	203	214	27,039	26,558
Retired	8,385	9,079	—	—	168	213	8,218	8,867	6,568	6,919	1,817	2,160
Other	2,870	3,208	853	1,054	1,480	1,628	537	524	1,546	1,668	1,324	1,540
Want a job now	4,207	4,213	1,828	1,937	1,908	1,868	476	410	1,397	1,409	2,810	2,804
Reason not looking:												
School attendance	1,308	1,372	1,177	1,227	131	143	—	2	663	710	645	662
Ill health, disability	523	498	67	51	319	339	139	108	253	211	270	287
Home responsibilities ¹	923	906	179	239	702	639	42	28	—	—	923	906
Think cannot get job	567	561	130	133	289	299	150	130	198	201	369	360
Other reasons	886	876	275	287	467	448	145	142	283	287	603	589
BLACK AND OTHER												
Total not in labor force	7,392	7,646	2,315	2,358	2,788	2,905	2,289	2,384	2,413	2,510	4,979	5,136
Do not want a job now	6,009	6,308	1,573	1,590	2,222	2,408	2,212	2,314	1,909	2,063	4,100	4,245
Current activity:												
Going to school	1,096	1,096	992	978	102	119	—	—	507	515	589	581
Ill, disabled	810	900	35	38	461	489	316	375	424	453	386	447
Keeping house	2,693	2,757	326	344	1,356	1,442	1,009	972	45	32	2,648	2,725
Retired	841	941	—	—	12	15	828	926	617	670	224	271
Other	569	614	220	230	291	343	59	41	316	393	253	221
Want a job now	1,384	1,338	744	770	568	498	77	68	504	448	880	890
Reason not looking:												
School attendance	430	498	382	450	50	48	—	—	211	256	219	242
Ill health, disability	223	196	27	23	169	135	29	38	96	76	127	120
Home responsibilities ¹	272	276	114	122	158	153	—	—	—	—	272	276
Think cannot get job	258	235	118	101	110	118	30	14	112	73	146	162
Other reasons	201	133	103	74	81	44	18	16	85	43	116	90

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

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

[In thousands]

2nd Quarter 1979

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	114	19	—	17	77	99	16
Lacks education or training	101	14	24	62	2	64	36
Other personal handicap	50	2	9	34	5	39	10
Job-market factors:							
Could not find job	305	67	47	157	31	204	101
Thinks no job available	227	19	32	146	30	157	70
Males							
Personal factors:							
Employers think too young or old	71	15	—	7	48	55	16
Lacks education or training	17	6	—	9	2	7	10
Other personal handicap	19	2	6	10	—	12	6
Job-market factors:							
Could not find job	101	22	26	48	5	74	28
Thinks no job available	66	11	3	33	20	54	12
Females							
Personal factors:							
Employers think too young or old	44	5	—	10	29	44	—
Lacks education or training	83	8	24	52	—	57	26
Other personal handicap	31	—	3	23	5	27	4
Job-market factors:							
Could not find job	203	46	22	110	26	130	73
Thinks no job available	161	8	30	113	10	103	58

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-57. Most recent work experience of persons not in labor force and reason for leaving last job for those who worked during 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					
	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979
Total, not in labor force	58,488	58,886	11,299	11,206	22,600	22,501	24,589	25,180	51,096	51,240	7,392	7,646
Never worked	9,850	9,576	4,975	4,884	2,283	2,185	2,592	2,506	7,910	7,565	1,940	2,011
Last worked over 5 years ago	28,423	29,607	319	292	11,405	11,565	16,698	17,750	25,361	26,426	3,061	3,181
Last worked 1 to 5 years ago	10,852	10,116	1,752	1,507	5,215	4,925	3,884	3,685	9,615	8,904	1,238	1,212
Left job during previous 12 months	9,361	9,587	4,253	4,522	3,695	3,826	1,413	1,240	8,209	8,345	1,152	1,242
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	39.7	42.3	51.8	55.0	38.3	38.8	6.7	7.1	40.9	43.2	30.9	36.6
Ill health, disability	8.6	8.7	2.5	2.6	13.0	13.6	15.9	15.9	8.3	8.0	11.2	13.2
Retirement, old age	8.9	7.7	--	--	4.1	2.8	48.0	50.7	9.3	8.1	5.8	5.0
Economic reasons	19.2	18.4	16.8	15.1	21.6	22.2	20.3	18.5	18.4	18.5	25.3	18.0
End of seasonal job	6.6	7.8	6.4	7.2	6.5	8.2	7.1	8.5	6.5	7.7	7.3	8.2
Slack work	5.8	5.2	4.2	4.3	7.7	6.4	5.2	4.7	5.1	5.2	10.2	5.2
End of temporary job	6.9	5.4	6.2	3.7	7.4	7.6	8.0	5.3	6.8	5.7	7.8	4.6
All other reasons	23.6	22.9	28.9	27.3	23.0	22.6	9.1	7.8	23.2	22.2	26.8	27.3
Males, not in labor force	16,460	16,834	4,285	4,270	3,094	3,230	9,082	9,334	14,047	14,324	2,413	2,511
Never worked	2,277	2,219	1,994	1,932	233	231	49	55	1,645	1,557	632	663
Last worked over 5 years ago	7,147	7,735	52	39	1,154	1,266	5,942	6,428	6,275	6,796	872	939
Last worked 1 to 5 years ago	3,716	3,448	406	306	1,000	1,019	2,311	2,123	3,271	3,034	445	415
Left job during previous 12 months	3,320	3,432	1,833	1,993	707	711	780	727	2,856	2,937	463	495
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	30.9	34.5	48.4	51.2	17.9	17.7	1.5	5.1	32.6	35.9	20.5	26.3
Ill health, disability	12.1	10.9	3.2	2.5	27.8	27.4	18.7	17.7	12.2	9.6	11.4	18.2
Retirement, old age	15.2	14.5	--	--	9.9	10.5	55.6	58.1	16.5	15.1	7.3	11.1
Economic reasons	17.7	15.8	17.8	16.6	17.7	15.5	17.3	13.7	15.8	15.5	29.5	17.4
End of seasonal job	6.9	6.7	7.6	7.5	4.7	4.8	7.1	6.3	6.4	6.5	9.9	7.9
Slack work	5.5	5.0	4.7	4.7	8.3	7.3	4.6	3.6	4.5	5.2	11.4	3.4
End of temporary job	5.4	4.1	5.5	4.5	4.7	3.4	5.6	3.8	4.9	3.8	8.2	6.1
All other reasons	24.1	24.3	30.5	29.6	26.7	28.8	6.8	5.4	23.0	23.9	31.3	27.1
Females, not in labor force	42,028	42,052	7,015	6,935	19,506	19,270	15,507	15,847	37,048	36,917	4,979	5,135
Never worked	7,573	7,357	2,981	2,953	2,049	1,953	2,543	2,451	6,265	6,008	1,308	1,348
Last worked over 5 years ago	21,276	21,872	266	252	10,253	10,297	10,757	11,322	19,086	19,630	2,189	2,242
Last worked 1 to 5 years ago	7,136	6,668	1,345	1,201	4,216	3,906	1,574	1,561	6,344	5,870	793	797
Left job during previous 12 months	6,042	6,156	2,421	2,528	2,989	3,115	633	512	5,353	5,408	689	747
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	44.5	46.7	54.3	57.9	43.1	43.6	13.1	10.0	45.3	47.2	38.0	43.4
Ill health, disability	6.7	7.5	1.9	2.7	9.4	10.4	12.2	13.3	6.1	7.1	11.0	9.9
Retirement, old age	5.4	3.9	--	--	2.7	1.1	38.7	40.2	5.5	4.3	4.8	.9
Economic reasons	20.1	19.9	16.1	14.0	22.5	23.7	24.0	25.2	19.8	20.1	22.5	18.3
End of seasonal job	6.4	8.4	5.5	6.9	7.0	9.0	7.1	11.7	6.5	8.4	5.5	8.4
Slack work	5.9	5.3	3.9	4.1	7.6	6.2	6.0	6.3	5.5	5.2	9.4	6.3
End of temporary job	7.8	6.2	6.7	3.0	8.0	8.6	10.9	7.2	7.8	6.5	7.5	3.6
All other reasons	23.3	22.1	27.7	25.4	22.2	21.1	12.0	11.3	23.3	21.4	23.8	27.4

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

[In thousands]

Work-seeking intentions and work history	Total		Age in years						White		Black and other	
			16-24		25-59		60 and over					
	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979
Total	49,988	50,401	6,755	6,595	19,150	19,085	24,082	24,720	44,309	44,478	5,680	5,923
Do not intend to seek work	8,499	8,486	4,544	4,609	3,450	3,416	507	460	6,786	6,763	1,712	1,723
Intend to seek work in the next 12 months	1,763	1,600	1,649	1,501	108	95	6	3	1,211	1,099	553	502
Never worked	1,157	1,137	60	68	975	930	123	139	919	845	237	292
Last worked over 5 years ago	1,880	1,656	614	556	1,066	956	201	144	1,435	1,347	445	309
Last worked 1 to 5 years ago	3,698	4,092	2,222	2,485	1,300	1,434	177	173	3,221	3,473	477	620
Worked during previous 12 months												
Males	13,541	13,981	2,211	2,258	2,517	2,612	8,813	9,112	11,769	12,050	1,773	1,932
Do not intend to seek work	2,918	2,853	2,072	2,014	578	618	268	222	2,278	2,274	640	579
Intend to seek work in the next 12 months	792	708	776	692	15	16	--	--	533	477	260	231
Never worked	140	195	16	13	69	101	56	82	102	140	38	55
Last worked over 5 years ago	516	373	208	135	188	181	120	57	395	302	121	71
Last worked 1 to 5 years ago	1,470	1,577	1,073	1,175	305	320	93	82	1,248	1,355	222	222
Worked during previous 12 months												
Females	36,447	36,419	4,545	4,338	16,633	16,474	15,269	15,608	32,540	32,428	3,907	3,991
Do not intend to seek work	5,580	5,633	2,470	2,596	2,872	2,797	238	240	4,508	4,489	1,072	1,144
Intend to seek work in the next 12 months	971	893	872	810	94	80	6	3	678	622	293	271
Never worked	1,017	941	44	55	905	828	67	58	817	705	199	237
Last worked over 5 years ago	1,364	1,283	406	421	878	775	81	87	1,040	1,045	324	238
Last worked 1 to 5 years ago	2,228	2,516	1,148	1,309	996	1,114	85	92	1,973	2,118	255	398
Worked during previous 12 months												

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

[Numbers in thousands]

Employment status	Total		White		Black ¹		Hispanic origin ²	
	I I 1978	I I 1979	I I 1978	I I 1979	I I 1978	I I 1979	I I 1978	I I 1979
TOTAL								
Civilian noninstitutional population	158,605	161,181	139,323	141,330	16,585	16,979	7,735	8,006
Civilian labor force	100,117	102,295	88,227	90,090	10,167	10,350	4,809	5,031
Percent of population	63.1	63.5	63.3	63.7	61.3	61.0	62.2	62.8
Employment	94,295	96,610	83,831	85,805	8,874	9,073	4,382	4,631
Agriculture	3,501	3,389	3,192	3,090	240	235	265	236
Nonagricultural industries	90,793	93,220	80,638	82,714	8,634	8,839	4,117	4,395
Unemployment	5,323	5,685	4,397	4,285	1,293	1,276	427	400
Unemployment rate	5.8	5.6	5.0	4.8	12.7	12.3	8.9	7.9
Not in labor force	58,488	58,886	51,096	51,240	6,418	6,629	2,926	2,975
Males, 20 years and over								
Civilian noninstitutional population	66,844	68,123	59,380	60,423	6,374	6,539	3,155	3,265
Civilian labor force	53,386	54,313	47,669	48,446	4,843	4,944	2,665	2,788
Percent of population	79.9	79.7	80.3	80.2	76.0	75.6	84.4	85.4
Employment	51,260	52,271	46,024	46,877	4,419	4,518	2,510	2,634
Agriculture	2,428	2,362	2,192	2,151	189	167	194	175
Nonagricultural industries	48,832	49,909	43,832	44,727	4,231	4,350	2,316	2,460
Unemployment	2,126	2,041	1,645	1,569	424	426	155	154
Unemployment rate	4.0	3.8	3.5	3.2	8.8	8.6	5.8	5.5
Not in labor force	13,458	13,810	11,711	11,977	1,532	1,597	494	477
Females, 20 years and over								
Civilian noninstitutional population	75,310	76,670	66,010	67,055	7,991	8,215	3,524	3,642
Civilian labor force	37,072	38,362	31,946	33,077	4,418	4,506	1,626	1,719
Percent of population	49.2	50.0	48.4	49.3	55.3	54.8	46.1	47.2
Employment	34,945	36,292	30,356	31,541	3,929	4,013	1,463	1,566
Agriculture	634	624	587	564	31	45	43	31
Nonagricultural industries	34,311	35,668	29,769	30,977	3,897	3,968	1,420	1,535
Unemployment	2,126	2,070	1,589	1,536	489	487	163	153
Unemployment rate	5.7	5.4	5.0	4.6	11.1	10.8	10.0	8.9
Not in labor force	38,238	38,307	34,064	33,978	3,572	3,714	1,898	1,923
Both sexes, 16-19 years								
Civilian noninstitutional population	16,452	16,389	13,933	13,852	2,220	2,225	1,053	1,099
Civilian labor force	9,660	9,620	8,613	8,566	906	907	519	524
Percent of population	58.7	58.7	61.8	61.8	40.8	40.8	49.3	47.7
Employment	8,089	8,046	7,451	7,386	526	543	410	431
Agriculture	439	403	414	375	20	22	28	30
Nonagricultural industries	7,650	7,643	7,037	7,011	506	520	381	401
Unemployment	1,571	1,574	1,162	1,180	380	364	109	93
Unemployment rate	16.3	16.4	13.5	13.8	41.9	40.1	21.0	17.8
Not in labor force	6,792	6,769	5,320	5,286	1,314	1,318	534	575

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

² Data on persons of Hispanic origin are tabulated separately, without regard to race, which means that they are also included in the data for white and black workers. At the time of the Census, approximately 98 percent of their population was white.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

[Numbers in thousands]

Employment status	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979
TOTAL								
Civilian noninstitutional population	7,735	8,006	4,516	4,793	1,084	1,078	567	612
Civilian labor force	4,809	5,031	2,928	3,126	538	539	370	401
Percent of population	62.2	62.8	64.8	65.2	49.6	50.0	65.3	65.5
Employment	4,382	4,631	2,667	2,888	467	479	349	372
Agriculture	265	236	241	207	5	7	4	6
Nonagricultural industries	4,117	4,395	2,426	2,681	462	473	345	366
Unemployment	427	400	261	238	71	60	21	29
Unemployment rate	8.9	7.9	8.9	7.6	13.1	11.1	5.6	7.3
Not in labor force	2,926	2,975	1,588	1,667	547	539	197	210
Males, 20 years and over								
Civilian noninstitutional population	3,159	3,265	1,724	2,023	392	375	230	270
Civilian labor force	2,665	2,788	1,667	1,791	314	306	183	219
Percent of population	84.4	85.4	96.7	88.5	80.1	81.6	79.6	81.1
Employment	2,510	2,634	1,576	1,700	284	273	177	210
Agriculture	194	175	178	153	4	3	2	6
Nonagricultural industries	2,316	2,460	1,398	1,548	279	269	175	204
Unemployment	155	154	91	91	31	33	6	9
Unemployment rate	5.8	5.5	5.5	5.1	9.8	10.7	3.4	3.9
Not in labor force	494	477	257	232	77	69	47	51
Females, 20 years and over								
Civilian noninstitutional population	3,524	3,642	1,955	2,077	532	527	277	283
Civilian labor force	1,626	1,719	932	970	159	181	155	154
Percent of population	46.1	47.2	47.7	46.7	29.9	34.3	56.0	54.4
Employment	1,463	1,566	833	877	136	169	146	139
Agriculture	43	31	38	27	1	2	—	—
Nonagricultural industries	1,420	1,535	796	850	135	167	146	139
Unemployment	163	153	99	93	22	12	9	16
Unemployment rate	10.0	8.9	10.6	9.6	14.1	6.8	5.9	10.2
Not in labor force	1,898	1,923	1,023	1,106	373	345	122	129
Both sexes, 16-19 years								
Civilian noninstitutional population	1,053	1,099	636	693	160	177	60	58
Civilian labor force	519	524	392	365	64	52	31	28
Percent of population	49.3	47.7	51.7	52.7	40.0	29.4	51.7	48.3
Employment	410	431	259	310	47	38	26	23
Agriculture	28	30	26	27	—	2	1	—
Nonagricultural industries	381	401	233	284	47	36	25	23
Unemployment	109	93	70	54	17	15	5	5
Unemployment rate	21.0	17.8	21.3	14.9	26.9	(2)	(2)	(2)
Not in labor force	534	575	307	328	96	124	29	30

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

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

NOTE: See note, table A-59.

HOUSEHOLD DATA QUARTERLY AVERAGES

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

[In thousands]

Selected categories	Total		White		Black and other		Hispanic origin ¹	
	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979
CHARACTERISTICS								
Total, 16 years and over	94,295	96,610	83,831	85,805	10,464	10,805	4,382	4,631
Males	55,655	56,619	50,071	50,859	5,584	5,760	2,730	2,879
Females	38,640	39,991	33,760	34,946	4,880	5,045	1,652	1,752
OCCUPATION								
White-collar workers	46,751	48,921	43,046	44,836	3,705	4,085	1,390	1,513
Professional and technical	14,154	15,030	12,940	13,678	1,214	1,352	312	352
Managers and administrators, except farm ...	9,996	10,343	9,504	9,781	492	561	260	280
Sales workers	5,935	6,120	5,653	5,824	282	296	166	191
Clerical workers	16,667	17,428	14,949	15,552	1,718	1,876	652	690
Blue-collar workers	31,748	32,041	27,747	28,131	4,002	3,910	2,011	2,198
Craft and kindred workers	12,330	12,848	11,402	11,836	929	1,013	563	635
Operatives, except transport	10,906	10,733	9,238	9,147	1,668	1,585	924	989
Transport equipment operatives	3,548	3,637	3,003	3,121	545	516	173	184
Nonfarm laborers	4,964	4,823	4,104	4,027	860	796	351	390
Service workers	12,870	12,863	10,373	10,299	2,497	2,564	761	735
Farm workers	2,926	2,785	2,665	2,539	261	246	221	185
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,506	1,494	1,281	1,248	225	246	243	214
Self-employed workers	1,642	1,554	1,568	1,509	74	45	21	18
Unpaid family workers	353	341	343	334	10	8	1	4
Nonagricultural industries:								
Wage and salary workers	83,879	86,061	74,149	75,951	9,730	10,111	3,900	4,154
Government	15,203	15,350	12,880	12,950	2,323	2,400	574	604
Private industries	68,675	70,711	61,269	63,001	7,406	7,711	3,326	3,550
Private households	1,396	1,195	979	806	417	390	88	76
Other industries	67,279	69,516	60,290	62,195	6,989	7,321	3,238	3,474
Self-employed workers	6,392	6,653	5,993	6,278	400	375	202	225
Unpaid family workers	523	506	497	486	26	20	15	18
FULL- AND PART-TIME STATUS²								
Full-time schedules	76,993	79,309	68,400	70,316	8,592	8,992	3,711	3,954
Part time for economic reasons	3,548	3,537	2,903	2,919	646	618	225	223
Part time for noneconomic reasons	13,754	13,764	12,527	12,569	1,226	1,195	446	455

¹ See footnote 2, table A-59.

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

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

HOUSEHOLD DATA QUARTERLY AVERAGES

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

[In thousands]

Selected categories	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979
CHARACTERISTICS								
Total, 16 years and over	4,382	4,633	2,667	2,888	467	479	349	372
Males	2,730	2,879	1,712	1,871	309	296	194	226
Females	1,652	1,752	956	1,017	158	184	155	146
OCCUPATION								
White-collar workers	1,390	1,513	679	781	170	185	157	166
Professional and technical	312	352	141	163	30	48	37	42
Managers and administrators, except farm ...	260	280	139	154	23	20	30	39
Sales workers	166	191	75	88	22	17	22	23
Clerical workers	652	690	324	376	95	100	68	62
Blue-collar workers	2,011	2,198	1,328	1,480	214	213	137	162
Craft and kindred workers	563	635	390	432	36	45	40	48
Operatives, except transport	924	989	567	629	123	124	71	78
Transport equipment operatives	173	184	115	130	24	18	9	14
Nonfarm laborers	351	390	256	289	31	26	17	22
Service workers	761	735	455	459	82	77	55	42
Farm workers	221	185	205	166	4	5	2	1
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	243	214	225	192	5	7	2	5
Self-employed workers	21	18	15	13	--	--	1	1
Unpaid family workers	1	4	1	2	--	--	--	--
Nonagricultural industries:								
Wage and salary workers	3,900	4,154	2,297	2,544	451	461	318	339
Government	574	604	366	364	70	80	25	30
Private industries	3,326	3,550	1,931	2,180	381	381	294	326
Private households	88	76	58	44	2	3	1	3
Other industries	3,238	3,474	1,873	2,136	379	378	293	309
Self-employed workers	202	225	118	123	11	12	27	26
Unpaid family workers	15	18	11	14	--	--	1	1
FULL- AND PART-TIME STATUS²								
Full-time schedules	3,711	3,954	2,260	2,439	408	426	294	326
Part time for economic reasons	225	223	158	168	15	12	12	9
Part time for noneconomic reasons	446	455	249	281	44	41	42	37

¹ See footnote 1, table A-60.

² See footnote 2, table A-61.

HOUSEHOLD DATA QUARTERLY AVERAGES

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

[In thousands]

Sex and age	Total		White		Black ¹		Hispanic origin ²	
	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979
Total, 16 years and over	94,295	96,610	83,831	85,805	8,874	9,073	4,382	4,631
16 to 19 years	8,089	8,046	7,451	7,386	526	543	410	431
16 to 17 years	3,319	3,271	3,108	3,047	167	183	155	147
18 to 19 years	4,770	4,775	4,343	4,339	359	359	254	284
20 to 24 years	13,504	13,924	11,998	12,330	1,283	1,353	789	835
25 years and over	72,701	74,640	64,382	66,088	7,066	7,178	3,183	3,367
25 to 54 years	58,518	60,332	51,575	53,150	5,855	5,997	2,838	3,004
55 years and over	14,182	14,307	12,808	12,938	1,211	1,181	345	363
Males, 16 years and over	55,655	56,619	50,071	50,859	4,708	4,828	2,730	2,879
16 to 19 years	4,394	4,347	4,047	3,981	289	310	221	245
16 to 17 years	1,842	1,822	1,723	1,694	97	107	89	90
18 to 19 years	2,553	2,526	2,324	2,287	191	203	131	154
20 to 24 years	7,401	7,610	6,640	6,753	645	730	490	501
25 years and over	43,860	44,661	39,384	40,124	3,774	3,787	2,019	2,134
25 to 54 years	35,115	35,887	31,438	32,110	3,081	3,147	1,769	1,891
55 years and over	8,745	8,774	7,946	8,014	693	640	250	243
Females, 16 years and over	38,640	39,991	33,760	34,946	4,166	4,246	1,652	1,752
16 to 19 years	3,695	3,699	3,403	3,405	237	232	189	186
16 to 17 years	1,478	1,450	1,385	1,353	70	76	66	56
18 to 19 years	2,217	2,249	2,018	2,052	167	156	123	130
20 to 24 years	6,104	6,313	5,358	5,577	638	623	299	334
25 years and over	28,842	29,979	24,998	25,965	3,290	3,390	1,164	1,233
25 to 54 years	23,404	24,446	20,136	21,040	2,773	2,850	1,069	1,113
55 years and over	5,438	5,533	4,862	4,925	517	540	95	119

¹ See footnote 1, table A-59.

² See footnote 2, table A-59.

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

Sex and age	Total		White		Black ¹		Hispanic origin ²	
	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979
Total, 16 years and over	5.8	5.6	5.0	4.8	12.7	12.3	8.9	7.9
16 to 19 years	16.3	16.4	13.5	13.8	41.9	40.1	21.0	17.8
16 to 17 years	19.6	19.3	16.8	16.6	49.6	47.0	29.8	24.6
18 to 19 years	13.8	14.2	10.9	11.7	37.5	35.9	14.5	13.7
20 to 24 years	9.2	8.5	7.6	7.1	21.7	19.4	9.4	9.8
25 years and over	3.8	3.6	3.4	3.2	7.3	7.5	6.9	6.0
25 to 54 years	4.0	3.8	3.5	3.3	7.9	7.9	7.1	6.1
55 years and over	3.1	2.9	2.9	2.6	4.4	5.6	5.5	5.7
Males, 16 years and over	5.0	4.8	4.2	4.1	11.5	11.0	7.3	6.6
16 to 19 years	15.0	15.3	12.3	13.1	39.5	35.3	21.4	17.2
16 to 17 years	18.4	17.8	15.6	15.4	47.7	42.6	28.9	21.6
18 to 19 years	12.3	13.4	9.8	11.4	34.2	30.6	15.4	14.4
20 to 24 years	8.4	7.8	6.9	6.7	20.9	16.5	7.9	8.1
25 years and over	3.2	3.0	2.9	2.6	6.3	6.9	5.3	4.9
25 to 54 years	3.2	3.1	2.8	2.7	6.8	6.9	5.4	5.0
55 years and over	3.1	2.8	3.0	2.5	4.1	7.0	4.9	4.3
Females, 16 years and over	7.0	6.7	6.1	5.7	14.1	13.8	11.4	10.0
16 to 19 years	17.8	17.6	14.8	14.5	44.7	45.6	20.6	18.4
16 to 17 years	21.0	21.0	18.3	18.0	52.0	52.1	30.9	29.0
18 to 19 years	15.5	15.2	12.2	12.0	41.0	41.8	13.6	12.9
20 to 24 years	10.2	9.4	8.4	7.7	22.4	22.6	11.8	12.2
25 years and over	4.7	4.5	4.2	4.0	8.5	8.3	9.6	8.0
25 to 54 years	5.1	4.8	4.5	4.2	9.1	9.0	9.8	7.9
55 years and over	3.0	3.0	2.8	2.9	4.8	3.9	6.9	9.2

¹ See footnote 1, table A-59.

² See footnote 2, table A-59.

HOUSEHOLD DATA QUARTERLY AVERAGES

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

[In thousands]

Weeks of unemployment	Total		White		Black and other		Hispanic origin ¹	
	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979
Duration								
Total, 16 years and over	5,823	5,685	4,397	4,285	1,426	1,400	427	400
Less than 5 weeks	2,791	2,886	2,166	2,202	625	684	225	214
5 to 14 weeks	1,512	1,506	1,132	1,135	381	371	103	108
15 weeks and over	1,520	1,293	1,099	947	420	345	99	78
15 to 26 weeks	829	752	618	575	211	177	61	45
27 weeks and over	690	541	481	373	209	168	38	33
Average (mean) duration, in weeks	12.6	11.3	12.0	10.8	14.3	12.6	11.3	10.2
Median duration, in weeks	5.5	4.9	5.2	4.9	6.7	5.3	4.7	4.7
Percent distribution								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	47.9	50.8	49.3	51.4	43.8	48.9	52.7	53.5
5 to 14 weeks	26.0	26.5	25.7	26.5	26.7	26.5	24.1	27.0
15 weeks and over	26.1	22.7	25.0	22.1	29.5	24.6	23.2	19.5
15 to 26 weeks	14.2	13.2	14.1	13.4	14.8	12.6	14.3	11.3
27 weeks and over	11.9	9.5	10.9	8.7	14.7	12.0	8.9	8.3

¹ See footnote 2, table A-59.

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

[Numbers in thousands]

Reason for unemployment	Total		White		Black and other		Hispanic origin ¹	
	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979
NUMBER OF UNEMPLOYED								
Total, 16 years and over	5,823	5,686	4,397	4,285	1,426	1,400	427	400
Job losers	2,351	2,257	1,842	1,732	509	525	197	188
On layoff	565	678	495	551	70	128	39	48
Other job losers	1,786	1,579	1,347	1,182	438	397	159	140
Job leavers	756	785	630	654	126	131	52	55
Reentrants	1,766	1,752	1,277	1,279	489	473	102	89
New entrants	950	892	647	620	303	271	75	68
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	40.4	39.6	41.9	40.4	35.8	37.5	46.1	47.0
On layoff	9.7	11.9	11.3	12.8	4.9	9.1	9.1	12.0
Other job losers	30.7	27.7	30.6	27.6	30.7	28.4	37.2	35.0
Job leavers	13.0	13.8	14.3	15.3	8.8	9.3	12.2	13.8
Reentrants	30.3	30.8	29.1	29.8	34.3	33.8	23.9	22.3
New entrants	16.3	15.7	14.7	14.5	21.2	19.4	17.6	17.0
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	2.4	2.2	2.1	1.9	4.3	4.3	4.1	3.7
Job leavers .....	.8	.7	.7	.7	1.1	1.1	1.1	1.1
Reentrants	1.8	1.7	1.4	1.4	4.1	3.9	2.1	1.8
New entrants .....	.9	.9	.7	.6	2.5	2.2	1.6	1.4

¹ See footnote 2, table A-59.

HOUSEHOLD DATA QUARTERLY AVERAGES

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

(Numbers in thousands)

Veteran status and age	Not seasonally adjusted									
	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed		Percent of labor force	
	Number									
II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	
VETERANS¹										
Total, 20 years and over	8,306	8,512	7,835	8,097	7,519	7,772	316	325	4.0	4.0
20 to 24 years	784	579	1,393	533	1,267	483	126	50	18.1	9.3
25 to 39 years	6,819	7,106	6,542	6,865	6,304	6,613	238	252	3.6	3.7
25 to 29 years	2,417	2,003	4,585	1,906	4,348	1,801	237	105	10.4	5.5
30 to 34 years	3,327	3,591	6,418	3,485	6,243	3,371	175	114	5.5	3.3
35 to 39 years	1,075	1,512	1,041	1,473	1,008	1,441	33	32	3.1	2.2
40 years and over	703	827	596	699	577	676	19	24	3.2	3.4
NONVETERANS²										
Total, 25 to 39 years	13,583	14,464	12,936	13,722	12,447	13,263	489	459	3.8	3.3
25 to 29 years	6,015	6,598	11,354	6,244	10,812	5,997	542	247	9.5	4.0
30 to 34 years	3,991	4,148	7,658	3,547	7,393	3,831	264	116	6.5	2.9
35 to 39 years	3,577	3,719	3,431	3,532	3,328	3,436	103	96	3.0	2.7

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

² Nonveterans are males who have never served in the Armed Forces. Published data are limited to those 25-39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

NOTE: Seasonally-adjusted data are no longer being provided because the changing age composition of the Vietnam-era veterans' population distorts the ability to identify seasonality in the series.

A-68. Employment status of male Vietnam-Era veterans and nonveterans 25 to 39 years by age, race, and Hispanic origin

(Numbers in thousands)

Employment status	Veterans ¹						Nonveterans					
	White		Black and other		Hispanic origin ²		White		Black and other		Hispanic origin ²	
	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979
Total, 25 to 39 years:												
Civilian noninstitutional population	6,161	6,420	655	686	204	236	11,769	12,550	1,814	1,914	965	1,029
Civilian labor force	5,934	6,223	605	641	194	228	11,268	12,026	1,668	1,697	912	964
Employed	5,742	6,021	561	591	185	214	10,912	11,691	1,535	1,574	848	915
Unemployed	192	202	44	50	9	14	356	335	133	123	64	49
Unemployment rate	3.2	3.2	7.3	7.8	4.6	6.1	3.2	2.8	8.0	7.2	7.0	5.1
25 to 29 years												
Civilian noninstitutional population	2,165	1,791	252	212	91	81	5,254	5,760	761	837	391	441
Civilian labor force	2,059	1,707	231	199	86	79	4,990	5,503	689	741	368	407
Employed	1,966	1,625	207	176	82	72	4,803	5,318	619	679	339	383
Unemployed	93	82	24	23	4	7	187	185	70	62	29	24
Unemployment rate	4.5	4.8	10.4	11.6	4.7	8.9	3.7	3.4	10.2	8.4	7.9	5.9
30 to 34 years												
Civilian noninstitutional population	3,035	3,268	292	323	88	117	3,443	3,571	548	577	293	302
Civilian labor force	2,940	3,185	271	300	83	112	3,326	3,431	500	516	278	285
Employed	2,866	3,094	258	276	79	106	3,234	3,351	463	480	258	273
Unemployed	74	91	13	24	4	6	92	80	37	36	20	12
Unemployment rate	2.5	2.9	4.8	8.0	4.8	5.4	2.8	2.3	7.4	7.0	7.2	4.2
35 to 39 years												
Civilian noninstitutional population	961	1,361	111	151	25	38	3,072	3,219	505	500	281	286
Civilian labor force	935	1,331	103	142	25	37	2,952	3,092	479	440	266	272
Employed	910	1,302	96	139	24	36	2,875	3,022	453	415	251	259
Unemployed	25	29	7	3	1	1	77	70	26	25	15	13
Unemployment rate	2.7	2.2	6.8	2.1	(3)	(3)	2.6	2.3	5.4	5.7	5.6	4.8

¹ See footnote 1, table A-67.

² See footnote 2, table A-59.

³ Percent not shown where base is less than 60,000.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status	Metropolitan areas						Nonmetropolitan areas					
	Total		Central cities		Suburbs		Total		Farm		Nonfarm	
	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979
Total												
Civilian noninstitutional population	106,945	109,267	45,215	46,107	61,730	63,160	51,660	51,303	4,761	4,603	46,899	46,700
Civilian labor force	68,358	70,143	28,016	28,676	40,342	41,467	31,759	31,117	3,041	2,815	28,718	28,302
Percent of population	63.9	64.2	62.0	62.2	65.4	65.7	61.5	60.7	63.9	61.2	61.2	60.6
Employed	64,283	65,776	25,991	26,697	38,292	39,079	30,012	29,125	2,955	2,742	27,057	26,383
Unemployed	4,075	4,367	2,025	1,979	2,050	2,388	1,748	1,992	86	73	1,662	1,919
Unemployment rate	6.0	6.2	7.2	6.9	5.1	5.8	5.5	6.4	2.8	2.6	5.8	6.8
Not in labor force	38,587	39,125	17,200	17,431	21,387	21,693	19,901	20,185	1,721	1,788	18,180	18,397
Males, 20 years and over												
Civilian noninstitutional population	44,985	46,009	18,664	18,935	26,321	27,074	21,858	21,817	2,157	2,084	19,701	19,733
Civilian labor force	36,327	37,149	14,504	14,720	21,823	22,429	17,059	16,783	1,804	1,709	15,255	15,074
Percent of population	80.8	80.7	77.7	77.7	82.9	82.8	78.0	76.9	83.6	82.0	77.4	76.4
Employed	34,831	35,367	13,702	13,958	21,129	21,409	16,430	15,979	1,780	1,675	14,650	14,304
Unemployed	1,496	1,782	801	761	695	1,021	630	805	24	34	606	771
Unemployment rate	4.1	4.8	5.5	5.2	3.2	4.6	3.7	4.8	1.3	2.0	4.0	5.1
Not in labor force	8,659	8,860	4,160	4,215	4,499	4,645	4,799	5,034	353	375	4,446	4,659
Females, 20 years and over												
Civilian noninstitutional population	51,002	52,280	22,124	22,666	28,878	29,614	24,308	24,065	2,042	1,948	22,266	22,117
Civilian labor force	25,666	27,010	11,136	11,551	14,530	15,459	11,405	11,481	869	809	10,536	10,672
Percent of population	50.3	51.7	50.3	51.0	50.3	52.2	46.9	47.7	42.6	41.5	47.3	48.3
Employed	24,193	25,458	10,413	10,828	13,780	14,630	10,752	10,753	838	788	9,914	9,965
Unemployed	1,473	1,552	723	724	750	828	653	727	31	21	622	706
Unemployment rate	5.7	5.7	6.5	6.3	5.2	5.4	5.7	6.3	3.5	2.7	5.9	6.6
Not in labor force	25,336	25,270	10,988	11,115	14,348	14,155	12,902	12,584	1,173	1,139	11,729	11,445
Both sexes, 16-19 years												
Civilian noninstitutional population	10,958	10,978	4,427	4,506	6,531	6,472	5,494	5,420	563	571	4,931	4,849
Civilian labor force	6,365	5,983	2,376	2,406	3,989	3,577	3,295	2,853	368	297	2,927	2,556
Percent of population	58.1	54.5	53.7	53.4	61.1	55.3	60.0	52.6	65.4	52.0	59.4	52.7
Employed	5,259	4,951	1,877	1,912	3,382	3,039	2,830	2,393	337	280	2,493	2,113
Unemployed	1,106	1,033	500	494	606	539	465	460	31	17	434	443
Unemployment rate	17.4	17.3	21.0	20.5	15.2	15.1	14.1	16.1	8.4	5.7	14.8	17.3
Not in labor force	4,593	4,995	2,051	2,100	2,542	2,895	2,199	2,567	195	274	2,004	2,293
White												
Civilian noninstitutional population	92,381	94,040	34,836	35,333	57,545	58,707	46,942	46,817	4,461	4,353	42,481	42,464
Civilian labor force	59,256	60,660	21,730	22,175	37,526	38,485	28,971	28,594	2,868	2,686	26,103	25,908
Percent of population	64.1	64.5	62.4	62.8	65.2	65.6	61.7	61.1	64.3	61.7	61.4	61.0
Employed	56,280	57,415	20,517	21,020	35,763	36,395	27,551	26,904	2,801	2,623	24,750	24,281
Unemployed	2,976	3,244	1,214	1,156	1,762	2,088	1,420	1,690	67	63	1,353	1,627
Unemployment rate	5.0	5.3	5.6	5.2	4.7	5.4	4.9	5.9	2.3	2.4	5.2	6.3
Not in labor force	33,124	33,381	13,106	13,158	20,019	20,222	17,971	18,223	1,593	1,667	16,378	16,556
Black and other												
Civilian noninstitutional population	14,565	15,227	10,379	10,774	4,186	4,453	4,718	4,486	300	250	4,418	4,236
Civilian labor force	9,102	9,483	6,286	6,502	2,816	2,981	2,789	2,523	173	129	2,616	2,394
Percent of population	62.5	62.3	60.6	60.3	67.3	66.9	59.1	56.2	57.5	51.6	59.2	56.5
Employed	8,003	8,360	5,475	5,679	2,528	2,681	2,461	2,221	154	120	2,307	2,101
Unemployed	1,099	1,123	811	823	288	300	327	302	19	9	308	293
Unemployment rate	12.1	11.8	12.9	12.7	10.2	10.1	11.7	12.0	10.8	7.3	11.8	12.2
Not in labor force	5,463	5,744	4,094	4,273	1,369	1,472	1,929	1,963	128	121	1,801	1,842

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

(Number in thousands)

Employment status	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979
Total												
Civilian noninstitutional population	29,073	28,690	129,532	132,491	11,137	10,875	95,808	99,009	17,936	17,815	33,724	33,482
Civilian labor force	16,394	16,042	83,723	86,251	6,020	5,849	62,338	64,996	10,374	10,193	21,385	21,255
Percent of population	56.4	55.9	64.6	65.1	54.1	53.8	65.1	65.6	57.8	57.2	63.4	63.5
Employed	14,989	14,798	79,305	81,810	5,269	5,195	59,014	61,638	9,720	9,603	20,292	20,172
Unemployed	1,405	1,245	4,418	4,441	751	654	3,325	3,358	654	591	1,094	1,084
Unemployment rate	8.6	7.8	5.3	5.1	12.5	11.2	5.3	5.2	6.3	5.8	5.1	5.1
Not in labor force	12,679	12,648	45,809	46,240	5,117	5,027	33,470	34,013	7,562	7,621	12,339	12,227
White												
Civilian noninstitutional population	20,606	20,279	118,716	121,051	5,836	5,492	86,544	89,072	14,770	14,787	32,172	31,979
Civilian labor force	11,851	11,593	76,376	78,496	3,243	3,018	56,014	58,232	8,609	8,575	20,362	20,264
Percent of population	57.5	57.2	64.3	64.8	55.6	55.0	64.7	65.4	58.3	58.0	63.3	63.4
Employed	11,126	10,962	72,705	74,841	2,950	2,795	53,330	55,552	8,175	8,167	19,375	19,289
Unemployed	726	631	3,671	3,654	292	223	2,684	2,679	433	408	987	975
Unemployment rate	6.1	5.4	4.8	4.7	9.0	7.4	4.8	4.6	5.0	4.8	4.8	4.8
Not in labor force	8,755	8,686	42,341	42,555	2,593	2,474	30,531	30,840	6,162	6,212	11,810	11,715
Black and other												
Civilian noninstitutional population	8,467	8,411	10,816	11,440	5,301	5,384	9,264	9,937	3,166	3,027	1,552	1,503
Civilian labor force	4,543	4,449	7,347	7,756	2,777	2,831	6,325	6,764	1,766	1,619	1,023	991
Percent of population	53.7	52.9	67.9	67.8	52.4	52.6	68.3	68.1	55.8	53.5	65.9	65.9
Employed	3,864	3,836	6,600	6,969	2,319	2,400	5,684	6,086	1,545	1,436	916	883
Unemployed	679	614	747	787	458	431	641	678	221	182	107	108
Unemployment rate	14.9	13.8	10.2	10.1	16.5	15.2	10.1	10.0	12.5	11.3	10.4	10.9
Not in labor force	3,924	3,962	3,468	3,684	2,524	2,553	2,939	3,172	1,400	1,409	529	512

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

Sex, age, and race	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979	II 1978	II 1979
Total												
Both sexes, 16 years and over	8.6	7.8	5.3	5.1	12.5	11.2	5.3	5.2	6.3	5.8	5.1	5.1
Males, 20 years and over	5.9	5.1	3.6	3.5	9.2	8.0	3.6	3.6	4.1	3.6	3.5	3.3
Females, 20 years and over	8.3	7.9	5.2	4.9	10.9	10.5	5.2	4.9	6.7	6.1	5.3	5.2
Both sexes, 16-19 years	23.7	22.1	14.7	15.3	36.5	31.2	15.5	15.7	16.8	17.0	12.8	14.2
White												
Both sexes, 16 years and over	6.1	5.4	4.8	4.7	9.0	7.4	4.8	4.6	5.0	4.8	4.8	4.8
Males, 20 years and over	4.5	3.9	3.3	3.1	6.8	5.9	3.3	3.1	3.6	3.2	3.4	3.2
Females, 20 years and over	6.2	5.8	4.8	4.5	8.4	7.8	4.7	4.3	5.3	5.0	5.0	4.9
Both sexes, 16-19 years	15.4	13.7	13.2	13.8	25.6	15.4	13.7	14.0	12.1	13.2	11.8	13.3
Black and other												
Both sexes, 16 years and over	14.9	13.8	10.2	10.1	16.5	15.2	10.1	10.0	12.5	11.3	10.4	10.9
Males, 20 years and over	10.3	9.0	7.2	7.5	12.6	10.8	7.3	7.7	6.8	6.3	6.7	6.4
Females, 20 years and over	13.0	12.4	9.0	8.9	13.3	12.9	9.0	8.6	12.4	11.2	9.1	10.6
Both sexes, 16-19 years	44.2	41.1	34.8	34.5	47.4	44.9	35.2	34.9	39.2	34.7	32.6	32.3

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Family relationship	II 1978				II 1979			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed person in family	With at least one employed person in family	With at least one person in family em- ployed full time		With no employed person in family	With at least one employed person in family	With at least one person in family em- ployed full time
TOTAL								
Unemployed, total	5,823	38.2	61.8	55.7	5,685	37.7	62.3	56.1
Unemployed, in families ¹	5,047	28.7	71.3	64.2	4,917	28.0	72.0	64.9
Husbands ²	1,079	51.5	48.5	39.0	1,030	48.5	51.5	40.3
Wives	1,075	13.1	86.9	81.2	1,062	13.8	86.2	80.9
Relatives in husband-wife families	1,786	8.5	91.5	86.5	1,705	8.9	91.1	86.8
Women who head families	420	82.4	17.6	11.4	405	83.0	17.0	11.4
Relatives of female heads	687	36.7	63.3	51.8	715	34.0	66.0	54.4
Unemployed, not in families ³	776	—	—	—	768	—	—	—
White								
Unemployed, total	4,397	36.3	63.7	57.9	4,285	35.1	64.9	58.9
Unemployed, in families ¹	3,793	26.1	73.9	67.2	3,702	24.9	75.1	68.2
Husbands ²	897	51.2	48.8	38.6	847	48.6	51.4	39.6
Wives	889	12.6	87.4	82.2	877	13.3	86.7	81.8
Relatives in husband-wife families	1,416	8.1	91.9	87.3	1,367	7.5	92.5	88.4
Women who head families	229	79.5	20.5	13.5	229	76.4	23.6	15.7
Relatives of female heads	362	33.7	66.3	56.1	382	30.4	69.6	59.2
Unemployed, not in families ³	604	—	—	—	583	—	—	—
Black⁴								
Unemployed, total	1,293	44.5	55.5	48.3	1,277	46.3	53.7	46.8
Unemployed, in families ¹	1,142	37.2	62.8	54.7	1,112	38.3	61.7	53.7
Husbands ²	153	54.9	45.1	39.2	157	47.8	52.2	43.9
Wives	165	13.3	86.7	78.2	158	17.7	82.3	74.7
Relatives in husband-wife families	327	9.5	90.5	84.1	302	13.9	86.1	80.5
Women who head families	187	86.6	13.4	8.6	170	91.8	8.2	5.3
Relatives of female heads	310	40.6	59.4	46.8	325	38.5	61.5	48.6
Unemployed, not in families ³	151	—	—	—	165	—	—	—

¹ In primary families only.

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

³ Includes unrelated individuals and persons in secondary families.

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

HOUSEHOLD DATA QUARTERLY AVERAGES

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

(Numbers in thousands)

Family relationship	II 1978				II 1979			
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed per- son in family	With another employed per- son in family	With another person in family em- ployed full time		With no other employed per- son in family	With another employed per- son in family	With another person in family em- ployed full time
TOTAL								
Employed, total	94,295	37.4	62.6	53.6	96,610	37.7	62.3	53.6
Employed, in families ¹	81,294	27.4	72.6	62.2	82,645	27.2	72.8	62.7
Husbands ²	39,280	40.7	59.3	43.4	39,740	39.9	60.1	44.2
Wives	21,368	8.2	91.8	87.5	22,017	8.4	91.6	87.6
Relatives in husband-wife families	12,884	6.0	94.0	90.6	12,914	6.1	93.9	90.6
Women who head families	4,404	65.7	34.3	24.2	4,561	66.2	33.8	23.7
Relatives of female heads	3,358	27.4	72.6	61.8	3,413	27.4	72.6	63.4
Employed, not in families ³	13,001	—	—	—	13,965	—	—	—
White								
Employed, total	83,831	36.9	63.1	54.0	85,805	37.2	62.8	53.9
Employed, in families ¹	72,602	27.1	72.9	62.3	73,564	26.8	73.2	62.8
Husbands ²	35,819	41.1	58.9	42.6	36,127	40.3	59.7	43.4
Wives	19,177	7.9	92.1	87.9	19,700	8.0	92.0	88.1
Relatives in husband-wife families	11,691	5.8	94.2	91.0	11,729	5.9	94.1	90.9
Women who head families	3,281	63.2	36.8	25.6	3,370	63.6	36.4	25.3
Relatives of female heads	2,634	26.8	73.2	62.7	2,638	27.1	72.9	63.9
Employed, not in families ³	11,229	—	—	—	12,241	—	—	—
Black⁴								
Employed, total	8,874	43.0	57.0	49.8	9,074	42.9	57.1	50.6
Employed, in families ¹	7,374	31.4	68.6	59.9	7,627	32.0	68.0	60.2
Husbands ²	2,885	36.2	63.8	52.3	2,977	36.6	63.4	53.0
Wives	1,817	11.1	88.9	83.6	1,887	12.9	87.1	82.5
Relatives in husband-wife families	938	9.0	91.0	85.1	952	8.4	91.6	86.3
Women who head families	1,057	73.7	26.3	19.2	1,097	74.8	25.2	18.2
Relatives of female heads	677	30.1	69.9	57.5	714	29.3	70.7	60.6
Employed, not in families ³	1,500	—	—	—	3,188	—	—	—

¹ See footnote 1, table A-72.

² See footnote 2, table A-72.

³ See footnote 3, table A-72.

⁴ See footnote 4, table A-72.

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

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

Year and month	Goods-producing						Service-producing								
	Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government			
							Total	Wholesale trade	Retail trade			Total	Federal	State and local	
1919	27,078	12,828	1,133	1,036	10,659	14,250	3,711	4,514	-	-	1,096	2,253	2,676	-	-
1920	27,340	12,760	1,239	863	10,658	14,580	3,998	4,467	-	-	1,160	2,352	2,603	-	-
1925	28,766	12,489	1,089	1,461	9,939	16,277	3,826	5,576	-	-	1,218	2,857	2,800	-	-
1926	29,806	12,911	1,185	1,570	10,156	16,895	3,942	5,784	-	-	1,290	3,033	2,846	-	-
1927	29,962	12,738	1,114	1,623	10,001	17,224	3,895	5,908	-	-	1,352	3,154	2,915	-	-
1928	29,986	12,618	1,050	1,621	9,947	17,368	3,828	5,874	-	-	1,420	3,251	2,995	-	-
1929	31,324	13,301	1,087	1,512	10,702	18,023	3,916	6,123	-	-	1,494	3,425	3,065	533	2,532
1930	29,409	11,958	1,009	1,387	9,562	17,451	3,685	5,797	-	-	1,460	3,361	3,148	526	2,622
1931	26,635	10,272	873	1,229	8,170	16,363	3,254	5,284	-	-	1,392	3,169	3,264	560	2,704
1932	23,615	8,647	731	985	6,931	14,968	2,816	4,683	-	-	1,326	2,918	3,225	559	2,666
1933	23,699	8,965	744	824	7,397	14,734	2,672	4,755	-	-	1,280	2,861	3,166	565	2,601
1934	25,940	10,261	883	877	8,501	15,679	2,750	5,281	-	-	1,304	3,045	3,299	652	2,647
1935	27,039	10,893	897	927	9,069	16,146	2,786	5,431	-	-	1,320	3,128	3,481	753	2,728
1936	29,068	11,933	946	1,160	9,827	17,135	2,973	5,809	-	-	1,373	3,312	3,668	826	2,842
1937	31,011	12,936	1,015	1,127	10,794	18,075	3,133	6,265	-	-	1,417	3,503	3,756	833	2,923
1938	29,194	11,401	891	1,070	9,440	17,793	2,864	6,179	-	-	1,410	3,458	3,883	829	3,054
1939	30,603	12,297	854	1,165	10,278	18,306	2,936	6,426	1,762	4,664	1,447	3,502	3,995	905	3,090
1940	32,361	13,221	925	1,311	10,985	19,140	3,038	6,750	1,835	4,914	1,485	3,665	4,202	996	3,206
1941	36,539	15,963	957	1,814	13,192	20,574	3,274	7,210	1,960	5,250	1,525	3,905	4,660	1,340	3,320
1942	40,106	18,470	992	2,198	15,280	21,636	3,460	7,118	1,906	5,212	1,509	4,066	5,483	2,213	3,270
1943	42,434	20,114	925	1,587	17,602	22,320	3,647	6,982	1,822	5,160	1,481	4,130	6,080	2,905	3,174
1944	41,864	19,328	892	1,108	17,328	22,536	3,829	7,058	1,845	5,213	1,461	4,145	6,043	2,928	3,116
1945	40,374	17,507	836	1,147	15,524	22,867	3,906	7,314	1,949	5,365	1,481	4,222	5,944	2,808	3,137
1946	41,652	17,248	862	1,683	14,703	24,404	4,061	8,376	2,291	6,085	1,675	4,697	5,595	2,254	3,341
1947	43,857	18,509	955	2,009	15,545	25,348	4,166	8,955	2,471	6,484	1,728	5,025	5,474	1,892	3,582
1948	44,866	18,774	994	2,198	15,582	26,092	4,189	9,272	2,605	6,667	1,800	5,181	5,650	1,863	3,787
1949	43,754	17,565	930	2,194	14,441	26,189	4,001	9,264	2,602	6,662	1,828	5,240	5,856	1,908	3,948
1950	45,197	18,506	901	2,364	15,241	26,691	4,034	9,386	2,635	6,751	1,888	5,357	6,026	1,928	4,098
1951	47,819	19,959	929	2,637	16,393	27,860	4,226	9,742	2,727	7,015	1,956	5,547	6,389	2,302	4,087
1952	48,793	20,198	898	2,668	16,632	28,595	4,248	10,004	2,812	7,192	2,035	5,699	6,609	2,420	4,188
1953	50,202	21,074	866	2,659	17,549	29,128	4,290	10,247	2,854	7,393	2,111	5,835	6,645	2,305	4,340
1954	48,990	19,751	791	2,646	16,314	29,239	4,084	10,235	2,867	7,368	2,200	5,969	6,751	2,188	4,563
1955	50,641	20,513	792	2,839	16,882	30,128	4,141	10,535	2,926	7,609	2,298	6,240	6,914	2,187	4,727
1956	52,369	21,104	822	3,039	17,243	31,265	4,244	10,858	3,018	7,840	2,389	6,497	7,277	2,209	5,069
1957	52,853	20,964	828	2,962	17,174	31,889	4,241	10,886	3,028	7,858	2,438	6,708	7,616	2,217	5,399
1958	51,324	19,513	751	2,817	15,945	31,811	3,976	10,750	2,980	7,770	2,481	6,765	7,839	2,191	5,648
1959	53,268	20,411	732	3,004	16,675	32,857	4,011	11,127	3,082	8,045	2,549	7,087	8,083	2,233	5,850
1960	54,189	20,434	712	2,926	16,796	33,755	4,004	11,391	3,143	8,248	2,629	7,378	8,353	2,270	6,083
1961	53,999	19,857	672	2,859	16,326	34,142	3,903	11,337	3,133	8,204	2,688	7,620	8,594	2,279	6,315
1962	55,549	20,451	650	2,948	16,853	35,098	3,906	11,566	3,198	8,368	2,754	7,982	8,890	2,340	6,550
1963	56,653	20,640	635	3,010	16,995	36,013	3,903	11,778	3,248	8,530	2,830	8,277	9,225	2,358	6,868
1964	58,283	21,005	634	3,097	17,274	37,278	3,951	12,160	3,337	8,823	2,911	8,660	9,596	2,348	7,248
1965	60,765	21,926	632	3,232	18,062	38,839	4,036	12,716	3,466	9,250	2,977	9,036	10,074	2,378	7,696
1966	63,901	23,158	627	3,317	19,214	40,743	4,158	13,245	3,597	9,648	3,058	9,498	10,784	2,564	8,220
1967	65,803	23,308	613	3,248	19,447	42,495	4,268	13,606	3,689	9,917	3,185	10,045	11,391	2,719	8,672
1968	67,897	23,737	606	3,350	19,781	44,160	4,318	14,099	3,779	10,320	3,337	10,567	11,839	2,737	9,102
1969	70,384	24,361	619	3,575	20,167	46,023	4,442	14,705	3,907	10,798	3,512	11,169	12,195	2,758	9,437
1970	70,880	23,578	623	3,588	19,647	47,302	4,515	15,040	3,993	11,047	3,645	11,548	12,554	2,731	9,823
1971	71,214	22,935	609	3,704	18,623	48,278	4,476	15,352	4,001	11,351	3,772	11,797	12,881	2,696	10,185
1972	73,675	23,668	628	3,889	19,151	50,007	4,541	15,949	4,113	11,836	3,908	12,276	13,334	2,684	10,649
1973	76,790	24,893	642	4,097	20,154	51,897	4,656	16,607	4,277	12,329	4,046	12,857	13,732	2,663	11,068
1974	78,265	24,794	697	4,020	20,077	53,471	4,725	16,987	4,433	12,554	4,148	13,441	14,170	2,724	11,446
1975	76,945	22,600	752	3,525	18,323	54,345	4,542	17,060	4,415	12,645	4,165	13,892	14,686	2,748	11,937
1976	79,382	23,352	779	3,576	18,997	56,030	4,582	17,755	4,546	13,209	4,271	14,551	14,871	2,733	12,138
1977	82,256	24,288	809	3,833	19,647	57,968	4,696	18,492	4,697	13,795	4,452	15,249	15,079	2,727	12,352
1978	85,763	25,381	837	4,212	20,332	60,382	4,859	19,394	4,898	14,496	4,676	15,979	15,476	2,753	12,723
June	86,800	25,839	895	4,462	20,482	60,961	4,920	19,499	4,934	14,565	4,712	16,139	15,691	2,802	12,889
July	85,925	25,712	900	4,572	20,240	60,213	4,856	19,469	4,930	14,539	4,746	16,213	14,929	2,815	12,114
Aug.	86,134	25,997	902	4,633	20,462	60,137	4,870	19,519	4,930	14,589	4,754	16,235	14,759	2,793	11,966
Sept.	86,688	26,131	894	4,586	20,651	60,557	4,908	19,634	4,932	14,702	4,724	16,159	15,132	2,744	12,388
Oct.	87,303	26,161	897	4,601	20,663	61,142	4,952	19,701	4,970	14,731	4,732	16,201	15,556	2,746	12,810
Nov.	87,800	26,157	904	4,517	20,736	61,643	4,972	19,971	4,988	14,983	4,760	16,237	15,703	2,746	12,957
Dec.	88,054	25,967	898	4,331	20,738	62,087	4,992	20,388	5,010	15,378	4,775	16,245	15,687	2,733	12,954
1979:															
Jan.	86,295	25,428	892	3,934	20,602	60,867	4,919	19,619	4,985	14,634	4,771	16,058	15,500	2,730	12,770
Feb.	86,487	25,404	897	3,894	20,613	61,083	4,936	19,402	4,985	14,417	4,786	16,241	15,718	2,738	12,980
Mar.	87,346	25,788	906	4,159	20,723	61,558	4,965	19,548	5,015	14,533	4,810	16,436	15,799	2,740	13,059
Apr.	87,942	25,998	913	4,345	20,740	61,944	4,896	19,810	5,032	14,778	4,838	16,575	15,825	2,750	13,075
May ^p	88,751	26,329	924	4,593	20,812	62,422	5,026	19,963	5,061	14,902	4,873	16,700	15,860	2,773	13,087
June ^p	89,448	26,785	952	4,810	21,023	62,663	5,115	20,059	5,120	14,939	4,920	16,853	15,716	2,807	12,909

¹ Data include Alaska and Hawaii beginning 1960. This inclusion has resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1960 benchmark month.

p = preliminary.
c = corrected.

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P
-	TOTAL	85,796	86,800	87,492	88,751	89,448	-	-	-	-	-
-	PRIVATE SECTOR	69,988	71,109	72,117	72,891	73,732	57,358	58,289	58,905	59,618	60,330
-	MINING	870	895	913	924	952	660	678	686	694	711
10	METAL MINING	96.2	98.0	99.4	100.4	-	74.2	75.7	76.2	76.7	-
101	Iron ores	24.7	25.2	24.7	24.8	-	20.0	20.5	19.7	19.7	-
102	Copper ores	35.3	35.1	36.3	36.8	-	26.9	26.7	28.0	28.3	-
11, 12	COAL MINING	241.9	246.3	249.4	248.5	-	200.9	204.6	208.4	206.7	-
12	BITUMINOUS COAL AND LIGNITE MINING	238.8	243.1	246.4	245.4	-	198.2	201.9	205.7	204.0	-
13	OIL AND GAS EXTRACTION	408.9	423.9	437.8	446.0	-	286.5	296.5	300.3	307.3	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	174.2	181.4	186.3	187.6	-	87.1	91.1	89.4	89.4	-
138	Oil and gas field services	234.7	242.5	251.5	258.4	-	199.4	205.4	210.9	217.9	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	123.1	126.9	126.0	129.3	-	98.1	101.6	100.6	103.5	-
142	Crushed and broken stone	43.2	44.7	44.6	46.1	-	36.3	37.7	37.3	38.9	-
144	Sand and gravel	37.0	38.8	37.3	39.1	-	-	-	-	-	-
147	Chemical and fertilizer minerals	23.2	23.4	23.7	23.7	-	-	-	-	-	-
-	CONSTRUCTION	4,183	4,462	4,345	4,593	4,810	3,310	3,564	3,443	3,677	3,868
15	GENERAL BUILDING CONTRACTORS	1,178.6	1,259.2	1,211.8	1,271.1	-	910.2	981.9	930.4	986.1	-
152	Residential building construction	624.6	669.7	643.5	677.9	-	471.6	511.5	483.5	516.8	-
153	Operative builders	81.6	85.8	81.2	83.7	-	54.8	57.9	52.7	54.7	-
154	Nonresidential building construction	427.4	503.7	487.1	509.5	-	383.8	412.5	394.2	414.6	-
16	HEAVY CONSTRUCTION CONTRACTORS	887.3	974.7	877.4	965.6	-	717.0	798.4	720.3	805.0	-
161	Highway and street construction	285.2	341.5	277.1	335.1	-	246.3	297.8	234.1	290.6	-
162	Heavy construction, except highway	602.1	633.2	600.3	630.5	-	470.7	500.6	486.2	514.4	-
17	SPECIAL TRADE CONTRACTORS	2,117.0	2,228.1	2,255.8	2,356.6	-	1,682.9	1,784.1	1,792.0	1,886.1	-
171	Plumbing, heating, air conditioning	506.9	523.9	519.3	534.8	-	384.8	399.4	390.8	404.9	-
172	Painting, paper hanging, decorating	138.1	151.8	141.5	154.6	-	115.0	128.7	117.1	129.8	-
173	Electrical work	355.4	368.6	380.6	386.9	-	275.3	286.9	296.4	303.2	-
174	Masonry, stonework, and plastering	345.5	361.3	391.0	402.8	-	297.9	313.4	339.2	350.3	-
175	Carpentering and flooring	126.4	136.9	134.4	137.3	-	98.2	107.7	103.8	106.5	-
176	Roofing and sheet metal work	155.5	163.8	168.6	175.8	-	127.4	134.9	136.6	142.4	-
-	MANUFACTURING	20,209	20,482	20,740	20,812	21,023	14,534	14,737	14,880	14,935	15,112
24, 25, 32-39	DURABLE GOODS	12,083	12,230	12,595	12,635	12,744	8,684	8,786	9,034	9,059	9,141
20-23, 26-31	NONDURABLE GOODS	8,126	8,252	8,145	8,177	8,279	5,850	5,951	5,846	5,876	5,971
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	749.1	774.3	746.5	758.6	782.7	643.1	666.8	636.2	647.8	671.6
241	Logging camps and logging contractors	84.5	92.2	84.7	89.6	-	68.4	75.7	68.4	73.4	-
242	Sawmills and planing mills	238.1	244.7	236.1	239.6	-	213.0	219.6	210.9	214.4	-
2421	Sawmills and planing mills, general	198.3	204.1	195.6	198.6	-	177.9	183.7	175.4	178.2	-
2426	Hardwood dimension and flooring	33.4	34.0	33.3	33.6	-	29.5	30.1	29.1	29.5	-
243	Millwork, plywood, and structural members	213.8	219.9	214.3	216.1	-	181.6	187.0	180.4	181.9	-
2431	Millwork	77.7	79.6	75.9	76.6	-	64.4	66.1	61.9	62.6	-
2434	Wood kitchen cabinets	47.4	49.2	49.5	50.3	-	39.7	41.3	41.8	42.3	-
2435	Hardwood veneer and plywood	26.2	26.7	26.4	26.3	-	23.4	23.9	23.6	23.5	-
2436	Softwood veneer and plywood	47.5	48.6	47.0	47.3	-	42.0	42.9	40.8	41.3	-
244	Wooden containers	42.5	44.6	44.4	44.5	-	37.6	39.5	39.6	39.6	-
245	Wood buildings and mobile homes	86.1	87.9	78.9	80.4	-	71.9	73.3	62.6	64.2	-
2451	Mobile homes	58.4	59.1	54.6	55.6	-	50.7	51.1	45.2	46.3	-
249	Miscellaneous wood products	84.1	85.0	88.1	88.4	-	70.6	71.7	74.3	74.3	-
25	FURNITURE AND FIXTURES	485.4	486.9	483.2	479.2	481.3	399.5	400.6	394.9	390.6	392.0
251	Household furniture	329.7	329.4	323.6	320.7	-	281.0	280.4	274.0	270.8	-
2511	Wood household furniture	147.4	148.3	143.7	143.6	-	130.4	131.2	127.0	126.6	-
2512	Upholstered household furniture	102.6	102.9	102.3	101.1	-	85.4	85.4	84.5	82.9	-
2514	Metal household furniture	31.2	29.3	30.6	29.5	-	25.4	23.6	24.5	23.5	-
2615	Mattresses and bedsprings	32.2	32.5	32.2	31.9	-	25.2	25.5	24.8	24.7	-
252	Office furniture	44.1	44.6	44.6	44.5	-	35.8	36.4	35.5	35.6	-
253	Public building and related furniture	24.2	24.5	24.7	24.3	-	18.3	18.5	18.8	18.5	-
254	Partitions and fixtures	60.7	61.8	64.2	64.4	-	45.9	46.9	48.6	48.4	-
259	Miscellaneous furniture and fixtures	26.7	26.6	26.1	26.3	-	18.5	18.4	18.0	17.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]											
1972 SIC Code	Industry	All employees					Production workers ¹				
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June ^P 1979	May 1978	June 1978	Apr. 1979	May 1979 ^P	June ^P 1979
32	STONE, CLAY, AND GLASS PRODUCTS	701.6	716.0	702.2	712.7	722.7	559.5	571.9	555.0	564.3	574.3
321	Flat glass	21.8	22.1	20.6	20.7	—	17.4	17.7	16.2	16.3	—
322	Glass and glassware, pressed or blown	138.4	139.7	134.4	135.6	—	119.5	120.3	115.3	116.5	—
3221	Glass containers	78.8	79.7	76.2	76.7	—	70.0	70.6	67.0	67.6	—
3229	Pressed and blown glass, nec	59.6	60.0	58.2	58.9	—	49.5	49.7	48.3	48.9	—
323	Products of purchased glass	46.5	47.8	48.4	48.1	—	34.2	35.1	35.8	35.5	—
324	Cement, hydraulic	31.8	32.7	32.6	32.6	—	25.2	26.1	26.2	26.1	—
325	Structural clay products	51.8	53.1	51.6	51.6	—	40.9	42.2	40.4	40.3	—
326	Pottery and related products	47.3	47.9	47.6	47.7	—	39.8	40.2	40.2	40.3	—
327	Concrete, gypsum, and plaster products	211.3	218.1	207.8	215.6	—	165.8	172.4	161.3	168.4	—
3271	Concrete block and brick	24.2	24.9	24.7	25.6	—	16.9	17.5	17.5	18.4	—
3272	Concrete products, nec	72.0	74.3	70.0	71.1	—	56.6	58.5	53.4	54.0	—
3273	Ready-mixed concrete	94.0	97.3	91.9	97.4	—	75.3	78.8	73.0	78.4	—
329	Misc. nonmetallic mineral products	140.1	142.2	146.4	147.8	—	106.5	107.9	109.2	110.4	—
3291	Abrasive products	27.9	27.9	30.0	30.2	—	19.2	19.0	20.4	20.6	—
3292	Asbestos products	21.9	22.6	22.6	23.0	—	16.9	17.5	17.5	17.7	—
3296	Mineral wool	31.5	31.8	30.9	31.0	—	—	—	—	—	—
33	PRIMARY METAL INDUSTRIES	1,200.6	1,213.9	1,251.4	1,250.3	1,264.8	943.8	954.5	990.2	987.7	1,001.2
331	Blast furnace and basic steel products	553.3	561.9	567.2	567.2	—	435.8	443.5	450.5	450.3	—
3312	Blast furnaces and steel mills	469.4	477.3	480.2	480.6	—	371.5	378.2	382.5	382.8	—
3317	Steel pipe and tubes	29.6	29.9	31.4	31.1	—	23.0	23.2	25.0	24.6	—
332	Iron and steel foundries	236.1	237.1	248.7	247.0	—	193.6	193.8	204.5	201.8	—
3321	Gray iron foundries	151.0	151.8	154.6	153.3	—	126.1	126.2	129.5	127.4	—
3322	Malleable iron foundries	22.5	22.7	23.7	23.3	—	18.3	18.4	19.4	18.8	—
3325	Steel foundries, nec	54.0	53.8	58.0	57.8	—	43.2	43.0	46.5	46.2	—
333	Primary nonferrous metals	66.7	67.7	68.8	69.4	—	52.1	52.8	53.6	53.7	—
3334	Primary aluminum	33.6	34.3	34.9	35.4	—	27.4	28.0	28.4	28.6	—
335	Nonferrous rolling and drawing	206.6	208.3	215.5	215.9	—	151.4	152.7	158.9	159.7	—
3351	Copper rolling and drawing	33.6	33.9	34.2	34.2	—	26.2	26.6	27.2	27.1	—
3353	Aluminum sheet, plate, and foil	36.4	36.8	38.3	38.5	—	27.1	27.5	29.3	29.6	—
3357	Nonferrous wire drawing and insulating	81.9	81.7	86.3	86.3	—	61.0	60.4	64.1	64.4	—
336	Nonferrous foundries	92.7	93.2	102.1	101.4	—	76.7	77.0	85.0	84.3	—
3361	Aluminum foundries	51.3	51.7	56.2	56.3	—	43.2	43.5	47.5	47.3	—
34	FABRICATED METAL PRODUCTS	1,645.7	1,658.8	1,700.1	1,702.8	1,716.9	1,252.1	1,260.9	1,288.5	1,290.2	1,300.8
341	Metal cans and shipping containers	79.3	79.5	79.7	78.6	—	66.8	67.2	68.0	66.7	—
3411	Metal cans	65.3	65.3	65.0	63.8	—	55.5	55.7	55.9	54.5	—
342	Cutlery, hand tools, and hardware	186.5	188.2	191.4	191.1	—	146.0	147.2	149.5	149.6	—
3423,5	Hand and edge tools, and hand saws and blades	63.5	64.0	65.4	65.3	—	50.2	50.4	51.7	51.6	—
3429	Hardware, nec	107.1	108.1	109.9	109.9	—	84.0	84.9	86.1	86.4	—
343	Plumbing and heating, except electric	70.3	70.8	70.3	70.6	—	52.1	52.2	51.9	52.2	—
3432	Plumbing fittings and brass goods	26.4	26.3	26.3	27.2	—	21.7	21.4	21.5	22.1	—
3433	Heating equipment, except electric	33.2	33.2	32.4	32.1	—	23.2	23.0	22.2	22.0	—
344	Fabricated structural metal products	494.8	500.8	506.8	509.3	—	351.2	355.5	356.6	358.2	—
3441	Fabricated structural metal	99.8	99.7	104.6	104.9	—	71.4	70.8	75.6	75.7	—
3442	Metal doors, sash, and trim	83.6	85.1	81.7	82.7	—	63.8	64.8	60.5	61.4	—
3443	Fabricated plate work (boiler shops)	145.3	146.0	149.7	148.6	—	95.4	95.6	97.4	96.4	—
3444	Sheet metal work	99.5	101.6	102.9	104.5	—	73.9	75.9	75.6	76.8	—
3446	Architectural metal work	32.2	32.9	33.1	33.6	—	22.9	23.6	24.0	24.3	—
345	Screw machine products, bolts, etc.	106.0	107.5	117.5	117.2	—	83.5	84.6	92.8	92.5	—
3451	Screw machine products	51.0	51.6	56.7	56.6	—	42.2	42.7	47.1	47.0	—
3452	Bolts, nuts, rivets, and washers	55.0	55.9	60.8	60.6	—	41.3	41.9	45.7	45.5	—
346	Metal forgings and stampings	300.1	295.7	302.1	304.6	—	243.6	239.4	243.6	246.1	—
3462	Iron and steel forgings	51.2	48.5	57.9	58.2	—	41.1	38.8	46.5	46.8	—
3465	Automotive stampings	115.9	114.8	111.1	113.2	—	98.1	96.7	93.6	95.4	—
3469	Metal stampings, nec	121.8	121.1	121.4	121.6	—	95.7	95.2	94.4	94.9	—
347	Metal services, nec	96.6	98.1	100.2	100.0	—	79.8	81.3	82.1	82.0	—
3471	Plating and polishing	69.0	70.0	71.4	71.4	—	57.7	58.7	59.2	59.2	—
3479	Metal coating and allied services	27.6	28.1	28.8	28.6	—	22.1	22.6	22.9	22.8	—
348	Ordnance and accessories, nec	58.5	59.3	59.8	59.5	—	40.6	41.4	41.4	41.2	—
3483	Ammunition, exc. for small arms, nec	24.4	24.6	24.6	24.6	—	17.1	17.4	17.0	17.0	—
349	Misc. fabricated metal products	253.6	258.1	272.3	271.9	—	188.5	192.1	202.6	201.7	—
3494	Valves and pipe fittings	99.2	101.2	106.2	105.6	—	68.1	69.6	73.4	72.9	—
3496	Misc. fabricated wire products	51.0	51.6	55.4	55.1	—	39.4	39.9	43.0	42.4	—
35	MACHINERY, EXCEPT ELECTRICAL	2,303.9	2,338.9	2,495.7	2,494.0	2,516.0	1,511.5	1,536.0	1,652.1	1,642.2	1,655.1
351	Engines and turbines	129.9	133.3	137.0	135.5	—	83.1	86.0	89.1	88.0	—
3511	Turbines and turbine generator sets	44.3	44.6	43.4	43.2	—	23.3	23.4	22.6	22.4	—
3519	Internal combustion engines, nec	85.6	88.7	93.6	92.3	—	59.8	62.6	66.5	65.6	—
352	Farm and garden machinery	153.1	160.2	178.8	178.7	—	103.3	110.4	128.5	127.8	—
3523	Farm machinery and equipment	135.4	143.1	160.2	159.8	—	90.8	98.5	115.0	114.3	—
353	Construction and related machinery	380.1	387.3	416.3	417.9	—	254.1	259.2	279.4	278.7	—
3531	Construction machinery	169.8	172.1	183.7	184.6	—	116.4	117.7	126.7	126.0	—

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P
MACHINERY, EXCEPT ELECTRICAL—Continued											
3532	Mining machinery.....	33.9	34.7	37.6	37.8	-	21.5	22.2	24.0	24.1	-
3533	Oil field machinery.....	74.1	76.3	82.2	82.4	-	51.4	53.1	57.0	57.4	-
3535	Conveyers and conveying equipment.....	31.1	31.9	34.7	35.0	-	18.4	19.0	20.5	20.4	-
3537	Industrial trucks and tractors.....	38.1	38.7	42.1	42.3	-	26.5	26.9	29.3	29.2	-
354	Metalworking machinery.....	342.1	343.9	362.4	361.6	-	249.8	250.1	264.8	263.5	-
3541	Machine tools, metal cutting types.....	68.8	69.1	75.9	75.8	-	44.6	44.5	49.5	49.1	-
3542	Machine tools, metal forming types.....	23.9	24.2	25.5	25.4	-	15.8	16.0	16.8	16.7	-
3544	Special dies, tools, jigs, and fixtures.....	128.4	129.6	135.2	134.9	-	102.6	103.3	108.5	108.0	-
3545	Machine tool accessories.....	63.3	64.1	67.6	67.2	-	45.1	45.8	47.9	47.3	-
3546	Power driven hand tools.....	34.1	32.9	33.4	33.5	-	25.5	24.1	25.3	25.5	-
355	Special industry machinery.....	198.4	200.3	207.5	207.8	-	125.0	125.8	130.7	130.9	-
3551	Food products machinery.....	45.4	45.7	47.5	47.7	-	28.4	28.6	29.7	29.9	-
3552	Textile machinery.....	31.2	31.5	31.1	31.2	-	22.1	22.4	21.8	21.7	-
3555	Printing trades machinery.....	35.5	36.3	39.3	39.2	-	20.8	21.4	23.5	23.4	-
356	General industrial machinery.....	308.5	310.6	326.7	322.9	-	206.9	208.1	218.8	214.2	-
3561	Pumps and pumping equipment.....	61.6	62.1	63.1	62.9	-	38.5	38.6	38.8	38.6	-
3562	Ball and roller bearings.....	57.2	57.5	62.4	59.1	-	43.9	44.2	48.7	45.2	-
3563	Air and gas compressors.....	29.2	29.6	29.9	29.8	-	17.0	17.3	17.6	17.5	-
3564	Blowers and fans.....	36.9	37.4	39.5	39.3	-	23.9	24.3	24.7	24.4	-
3566	Speed changers, drives, and gears.....	25.5	25.9	27.6	27.4	-	17.6	17.8	19.0	18.8	-
3568	Power transmission equipment, nec.....	22.5	22.2	23.3	22.8	-	16.3	16.0	17.3	16.7	-
357	Office and computing machines.....	345.9	350.9	381.9	384.7	-	158.0	160.2	176.0	176.0	-
3573	Electronic computing equipment.....	269.9	274.4	301.8	304.5	-	112.3	113.9	129.9	129.3	-
358	Refrigeration and service machinery.....	185.7	187.8	196.3	195.6	-	131.3	133.0	140.3	139.0	-
3585	Refrigeration and heating equipment.....	129.7	131.0	138.2	137.2	-	92.2	93.3	100.0	98.6	-
359	Misc. machinery, except electrical.....	260.2	264.6	288.8	289.3	-	200.0	203.2	224.5	224.1	-
3592	Carburetors, pistons, rings, valves.....	38.0	37.7	43.8	43.7	-	30.0	29.5	35.1	35.0	-
3599	Machinery, except electrical, nec.....	222.2	226.9	245.0	245.6	-	170.0	173.7	189.4	189.1	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT.....	1,942.5	1,967.5	2,045.7	2,053.6	2,083.9	1,274.3	1,287.6	1,344.5	1,348.9	1,369.5
361	Electric distributing equipment.....	121.0	121.2	122.5	121.9	-	86.8	86.8	87.9	87.4	-
3612	Transformers.....	56.4	56.9	58.0	57.8	-	40.2	40.3	41.7	41.6	-
3613	Switchgear and switchboard apparatus.....	64.6	64.3	64.5	64.1	-	46.6	46.5	46.2	45.8	-
362	Electrical industrial apparatus.....	240.4	241.9	252.8	254.0	-	172.9	173.0	183.2	184.2	-
3621	Motors and generators.....	130.5	130.3	133.9	133.6	-	98.3	97.4	102.6	102.4	-
3622	Industrial controls.....	65.8	67.6	71.8	72.5	-	42.9	44.0	46.4	46.9	-
363	Household appliances.....	187.6	191.0	174.1	174.8	-	148.3	151.5	137.7	138.1	-
3632	Household refrigerators and freezers.....	51.8	51.7	41.0	41.5	-	41.7	41.5	33.2	33.6	-
3633	Household laundry equipment.....	23.2	23.5	22.4	22.3	-	18.3	18.5	17.6	17.5	-
3634	Electric housewares and fans.....	49.2	51.6	48.4	49.0	-	38.8	41.3	38.2	38.8	-
364	Electric lighting and wiring equipment.....	210.3	213.5	225.2	225.2	-	158.7	161.5	171.7	171.9	-
3641	Electric lamps.....	37.9	37.7	39.3	39.2	-	33.2	33.1	34.9	34.7	-
3643	Current-carrying wiring devices.....	87.5	88.5	95.0	95.6	-	61.7	62.5	67.4	68.0	-
3644	Noncurrent-carrying wiring devices.....	20.6	22.7	24.0	23.8	-	14.3	16.3	17.6	17.6	-
3645	Residential lighting fixtures.....	24.6	24.5	26.2	25.8	-	19.0	18.8	20.4	20.1	-
365	Radio and TV receiving equipment.....	119.4	121.0	114.1	116.1	-	87.6	89.0	83.8	85.2	-
3651	Radio and TV receiving sets.....	95.4	96.9	93.4	95.1	-	69.1	70.3	67.7	68.8	-
366	Communication equipment.....	482.5	488.2	517.9	519.9	-	233.8	236.7	258.5	260.2	-
3661	Telephone and telegraph apparatus.....	150.3	151.5	156.8	157.6	-	102.6	103.3	110.0	110.7	-
3662	Radio and TV communication equipment.....	332.2	237.2	361.1	362.3	-	131.2	133.4	148.5	149.5	-
367	Electronic components and accessories.....	424.2	436.2	478.6	482.2	-	265.8	272.3	301.0	302.5	-
3671-3	Electronic tubes.....	42.3	42.8	44.6	45.1	-	28.0	28.5	28.8	29.1	-
3674	Semiconductors and related devices.....	156.8	162.8	183.5	184.4	-	73.2	75.2	87.1	86.6	-
3679	Electronic components, nec.....	165.5	169.4	184.7	186.7	-	116.5	119.1	132.0	133.5	-
369	Misc. electrical equipment and supplies.....	157.1	154.0	160.5	159.5	-	120.4	116.8	120.7	119.4	-
3691	Storage batteries.....	28.1	27.7	29.6	29.6	-	22.4	22.0	23.6	23.7	-
3694	Engine electrical equipment.....	78.2	76.9	78.7	78.2	-	62.4	60.8	61.5	60.9	-
37	TRANSPORTATION EQUIPMENT.....	1,953.5	1,953.7	2,034.0	2,047.1	2,024.5	1,355.9	1,347.8	1,410.4	1,423.3	1,398.1
371	Motor vehicles and equipment.....	978.1	968.0	999.0	1,008.9	-	764.3	751.1	783.7	793.3	-
3711	Motor vehicles and car bodies.....	459.8	445.2	455.1	460.9	-	344.9	329.1	341.4	348.1	-
3713	Truck and bus bodies.....	49.2	50.7	54.4	55.6	-	39.2	40.5	44.0	44.5	-
3714	Motor vehicle parts and accessories.....	438.4	440.6	456.1	459.0	-	355.9	356.5	371.7	374.3	-
3715	Truck trailers.....	30.7	31.5	33.4	33.4	-	24.3	25.0	26.6	26.4	-
372	Aircraft and parts.....	519.9	528.0	597.3	601.4	-	269.6	273.6	324.2	326.9	-
3721	Aircraft.....	298.7	304.3	347.4	350.8	-	138.2	141.0	172.3	174.5	-
3724	Aircraft engines and engine parts.....	129.0	130.8	144.0	143.9	-	73.2	73.9	83.2	83.1	-
3728	Aircraft equipment, nec.....	91.8	92.9	105.9	106.7	-	58.2	58.7	68.7	69.3	-
373	Ship and boat building and repairing.....	220.9	219.8	(*)	(*)	-	177.6	176.6	(*)	(*)	-
3731	Ship building and repairing.....	171.1	170.4	(*)	(*)	-	136.5	136.1	(*)	(*)	-
3732	Boat building and repairing.....	49.8	49.4	50.5	47.9	-	41.1	40.5	41.9	39.3	-
374	Railroad equipment.....	56.7	58.1	62.7	62.9	-	42.4	43.6	48.3	48.3	-
376	Guided missiles, space vehicles, parts.....	81.7	82.1	86.2	87.1	-	25.8	26.0	27.9	28.7	-
3761	Guided missiles and space vehicles.....	62.2	62.5	64.9	65.4	-	17.4	17.6	18.9	19.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P
TRANSPORTATION EQUIPMENT—Continued											
379	Miscellaneous transportation equipment	77.7	79.4	65.5	58.7	—	60.7	61.9	48.6	43.1	—
3792	Travel trailers and campers	52.4	53.8	40.4	34.5	—	42.5	43.8	31.5	26.5	—
38	INSTRUMENTS AND RELATED PRODUCTS	646.7	659.0	689.8	690.4	700.5	395.8	405.3	423.4	423.8	432.6
381	Engineering and scientific instruments	67.5	68.7	73.3	73.8	—	32.5	33.4	37.0	37.1	—
382	Measuring and controlling devices	214.1	217.1	228.8	228.7	—	136.7	138.8	147.0	147.2	—
3822	Environmental controls	50.4	50.3	48.5	48.5	—	35.2	35.2	33.6	33.8	—
3823	Process control instruments	46.9	47.9	51.3	51.1	—	24.5	25.2	27.8	27.6	—
3825	Instruments to measure electricity	81.0	82.7	90.7	90.8	—	51.6	52.8	58.1	58.2	—
383	Optical instruments and lenses	27.2	27.7	30.3	30.5	—	15.1	15.8	16.8	17.1	—
384	Medical instruments and supplies	138.9	141.5	151.6	152.2	—	92.8	95.1	101.2	101.5	—
3841	Surgical and medical instruments	55.6	56.7	63.2	63.7	—	36.9	37.9	42.0	42.3	—
3842	Surgical appliances and supplies	65.2	66.7	69.6	69.6	—	44.0	45.1	46.7	46.7	—
385	Ophthalmic goods	41.0	41.9	41.8	41.8	—	30.3	30.7	30.8	30.8	—
386	Photographic equipment and supplies	129.1	132.6	135.7	135.4	—	66.0	68.8	68.8	68.5	—
387	Watches, clocks, and watchcases	28.9	29.5	28.3	28.0	—	22.4	22.7	21.8	21.6	—
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	454.4	461.7	446.3	446.6	451.1	348.1	354.2	339.0	340.2	345.3
391	Jewelry, silverware, and plated ware	62.0	63.2	57.4	57.2	—	46.0	46.9	42.2	41.9	—
3911	Jewelry, precious metal	39.9	40.7	35.4	35.4	—	29.0	29.6	25.4	25.4	—
393	Musical instruments	25.3	25.6	25.2	25.0	—	20.9	21.1	20.7	20.6	—
394	Toys and sporting goods	118.3	119.8	110.4	111.9	—	91.3	92.7	83.9	85.5	—
3942, 4	Dolls, games, toys, and children's vehicles	54.1	56.1	50.7	52.1	—	40.2	42.7	36.6	38.2	—
3949	Sporting and athletic goods, nec	64.2	63.2	59.7	59.8	—	51.1	50.0	47.3	47.3	—
395	Pens, pencils, office and art supplies	34.6	35.1	36.2	36.2	—	24.9	25.3	26.1	26.0	—
396	Costume jewelry and notions	68.3	68.5	68.9	68.0	—	55.1	55.4	55.3	54.9	—
3961	Costume jewelry	38.2	38.5	38.0	37.5	—	31.2	31.4	30.8	30.4	—
399	Miscellaneous manufactures	145.9	149.5	148.2	148.3	—	109.9	112.8	110.8	111.3	—
3993	Signs and advertising displays	51.8	53.3	54.5	54.6	—	37.4	38.7	39.5	39.4	—
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	1,644.6	1,695.1	1,633.9	1,644.1	1,686.9	1,099.3	1,142.0	1,099.0	1,107.5	1,143.6
201	Meat products	354.4	358.0	355.8	356.6	—	292.6	295.9	294.1	295.5	—
2011	Meat packing plants	172.2	168.8	166.9	165.0	—	139.1	135.9	134.6	133.2	—
2013	Sausages and other prepared meats	67.9	69.1	65.6	66.5	—	49.8	50.7	47.7	48.8	—
2016	Poultry dressing plants	100.0	105.8	108.6	110.6	—	91.0	96.6	99.1	100.9	—
202	Dairy products	191.4	195.5	188.8	190.1	—	100.6	103.7	98.9	100.0	—
2022	Cheese, natural and processed	31.6	32.6	31.4	31.7	—	24.5	25.4	24.7	24.8	—
2026	Fluid milk	122.4	123.7	120.9	121.0	—	53.4	54.1	51.9	52.1	—
203	Preserved fruits and vegetables	194.3	213.3	188.2	192.2	—	151.6	169.5	149.5	153.1	—
2032	Canned specialties	27.4	27.4	27.6	26.3	—	18.9	19.0	19.2	18.0	—
2033	Canned fruits and vegetables	65.6	75.8	57.3	61.6	—	49.8	59.2	44.4	48.4	—
2037	Frozen fruits and vegetables	36.3	40.7	37.7	38.9	—	31.0	35.2	32.9	34.0	—
204	Grain mill products	142.1	145.2	142.8	142.2	—	95.4	97.5	97.4	96.6	—
2041	Flour and other grain mill products	24.2	25.0	25.0	24.7	—	15.4	15.7	15.7	15.4	—
2048	Prepared feeds, nec	61.7	62.7	61.0	60.8	—	38.7	39.6	39.0	38.8	—
205	Bakery products	226.7	229.7	227.4	227.9	—	132.1	133.8	132.9	133.0	—
2051	Bread, cake, and related products	187.9	190.3	186.9	188.2	—	101.1	102.6	100.7	102.0	—
2052	Cookies and crackers	38.8	39.4	40.5	39.7	—	31.0	31.2	32.2	31.0	—
206	Sugar and confectionery products	99.9	100.2	100.1	98.8	—	75.0	75.3	75.2	73.8	—
2061-3	Cane and beet sugar	28.4	28.8	28.3	28.1	—	20.2	20.5	19.9	19.8	—
2065	Confectionery products	52.6	52.7	52.7	51.9	—	41.3	41.5	41.8	41.0	—
207	Fats and oils	41.3	41.1	39.1	39.1	—	29.6	29.4	28.1	28.0	—
208	Beverages	229.8	237.5	225.8	227.7	—	106.2	111.5	104.8	105.4	—
2082	Malt beverages	49.8	51.4	48.7	49.2	—	33.1	34.8	33.8	34.3	—
2086	Bottled and canned soft drinks	137.9	143.0	137.7	140.0	—	49.8	52.5	48.1	49.2	—
209	Misc. foods and kindred products	164.7	174.6	165.9	169.5	—	116.2	125.4	118.1	122.1	—
21	TOBACCO MANUFACTURES	66.6	67.7	66.5	65.9	67.1	51.8	52.9	52.2	51.9	53.1
211	Cigarettes	48.3	49.1	49.0	48.7	—	37.3	37.9	38.1	37.9	—
22	TEXTILE MILL PRODUCTS	912.1	918.5	901.1	902.8	912.6	794.6	801.0	784.2	786.5	796.2
221	Weaving mills, cotton	153.6	152.6	155.0	154.8	—	138.0	137.2	139.8	139.8	—
222	Weaving mills, synthetics	120.9	120.8	119.8	120.0	—	107.9	107.7	107.3	107.4	—
223	Weaving and finishing mills, wool	20.9	21.2	21.2	21.2	—	17.5	17.7	17.7	17.7	—
224	Narrow fabric mills	26.7	26.8	25.6	26.7	—	23.3	23.5	22.5	23.4	—
225	Knitting mills	242.9	246.8	235.1	234.4	—	210.9	214.6	202.7	202.8	—
2251	Women's hosiery, except socks	29.0	29.2	30.9	31.0	—	25.9	26.1	27.7	27.8	—
2252	Hosiery, nec	35.5	36.4	35.0	35.1	—	32.3	33.1	31.9	32.1	—
2253	Knit outerwear mills	76.9	79.0	69.8	70.1	—	65.8	67.7	59.4	60.1	—
2254	Knit underwear mills	38.0	38.0	38.2	36.7	—	33.0	33.0	32.8	31.6	—

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers ¹				
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P
	TEXTILE MILL PRODUCTS—Continued										
2257	Circular knit fabric mills	37.2	37.2	35.6	35.7	—	31.5	31.6	29.3	29.5	—
226	Textile finishing, except wool	81.2	81.6	78.5	78.8	—	68.9	69.4	66.2	66.2	—
2261	Finishing plants, cotton	33.5	33.5	32.9	33.1	—	28.1	28.1	27.5	27.6	—
2262	Finishing plants, synthetics	30.7	30.9	29.4	29.2	—	26.4	26.6	25.0	24.6	—
227	Floor covering mills	60.9	61.6	62.9	63.2	—	49.2	50.0	51.3	51.5	—
228	Yarn and thread mills	133.9	135.5	133.2	133.6	—	122.1	123.4	120.8	121.4	—
2281	Yarn mills, except wool	89.3	90.4	89.0	89.5	—	82.8	83.7	82.1	82.8	—
2282	Throwing and winding mills	21.3	21.8	21.4	21.5	—	18.9	19.4	19.0	19.1	—
229	Miscellaneous textile goods	71.1	71.6	69.8	70.1	—	56.8	57.5	55.9	56.3	—
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,328.2	1,341.8	1,301.3	1,304.8	1,311.0	1,142.6	1,155.5	1,111.7	1,111.7	1,123.1
231	Men's and boys' suits and coats	90.0	90.5	87.4	87.3	—	79.5	79.8	74.6	74.7	—
232	Men's and boys' furnishings	375.0	378.1	367.2	371.5	—	325.1	328.6	316.1	321.0	—
2321	Men's and boys' shirts and nightwear	104.6	106.3	103.1	103.6	—	91.3	92.9	89.7	90.3	—
2327	Men's and boys' separate trousers	87.6	87.9	83.8	84.1	—	76.4	77.3	72.8	73.4	—
2328	Men's and boys' work clothing	95.8	95.9	96.8	99.2	—	81.6	81.7	81.9	84.4	—
233	Women's and misses' outerwear	425.4	430.0	424.0	419.7	—	367.1	371.7	363.4	359.3	—
2331	Women's and misses' blouses and waists	57.3	59.0	59.6	59.5	—	50.3	51.8	52.2	52.0	—
2335	Women's and misses' dresses	159.6	160.0	159.7	157.1	—	140.0	141.0	139.6	137.0	—
2337	Women's and misses' suits and coats	64.6	67.3	63.7	64.7	—	55.3	57.8	54.6	55.6	—
2339	Women's and misses' outerwear, nec.	143.9	143.7	141.0	138.4	—	121.5	121.1	117.0	114.7	—
234	Women's and children's undergarments	94.5	95.1	91.4	91.0	—	81.0	81.4	78.1	77.7	—
2341	Women's and children's underwear	74.5	75.4	72.6	72.5	—	64.9	65.7	63.0	62.9	—
2342	Brassieres and allied garments	20.0	19.7	18.8	18.5	—	16.1	15.7	15.1	14.8	—
236	Children's outerwear	70.1	72.2	65.6	66.5	—	59.8	61.6	56.4	57.3	—
2361	Children's dresses and blouses	25.7	26.2	24.3	24.7	—	23.2	23.6	21.8	22.2	—
238	Misc. apparel and accessories	63.1	63.6	58.7	58.9	—	54.6	55.0	50.5	51.0	—
239	Misc. fabricated textile products	189.9	191.5	187.3	189.7	—	158.0	159.3	155.8	158.1	—
2391	Curtains and draperies	30.2	31.0	28.8	28.8	—	26.3	27.1	25.1	25.2	—
2392	House furnishings, nec.	50.5	50.8	49.9	51.1	—	41.9	42.0	41.3	42.5	—
2396	Automotive and apparel trimmings	35.8	35.9	37.8	37.6	—	29.8	29.9	31.6	31.4	—
26	PAPER AND ALLIED PRODUCTS	705.8	717.1	712.2	712.9	722.9	531.0	542.1	538.8	538.8	549.0
261, 26	Paper and pulp mills	206.7	211.1	205.9	206.8	—	157.5	161.3	154.7	155.1	—
262	Paper mills, except building paper	178.8	182.7	179.2	179.7	—	135.4	138.7	133.5	133.6	—
263	Paperboard mills	67.1	67.7	68.5	68.8	—	52.8	53.4	54.5	54.6	—
264	Misc. converted paper products	216.9	218.7	219.2	219.2	—	154.5	157.0	160.1	160.3	—
2641	Paper coating and glazing	56.8	57.3	59.0	59.4	—	29.4	30.8	36.2	37.0	—
2642	Envelopes	24.5	24.6	24.6	24.3	—	19.3	19.4	19.3	19.0	—
2643	Bags, except textile bags	48.7	48.8	51.1	51.0	—	38.6	38.6	40.0	39.7	—
265	Paperboard containers and boxes	215.1	219.6	218.6	218.1	—	166.2	170.4	169.5	168.8	—
2651	Folding paperboard boxes	41.6	42.7	43.0	42.6	—	32.9	33.9	34.3	33.9	—
2653	Corrugated and solid fiber boxes	107.7	109.9	109.1	109.0	—	79.8	81.8	81.0	80.8	—
2654	Sanitary food containers	33.4	34.0	33.8	34.0	—	27.5	28.2	28.1	28.3	—
27	PRINTING AND PUBLISHING	1,177.3	1,185.8	1,216.4	1,220.2	1,227.7	666.3	666.8	687.8	690.5	694.8
271	Newspapers	404.4	409.9	414.7	417.0	—	166.4	167.6	166.9	169.0	—
272	Periodicals	76.9	78.0	79.8	80.2	—	15.1	15.2	13.7	13.8	—
273	Books	104.0	103.1	106.7	106.4	—	54.6	52.2	57.3	57.3	—
2731	Book publishing	72.3	72.0	74.6	74.7	—	27.6	26.0	30.0	30.4	—
2732	Book printing	31.7	31.1	32.1	31.7	—	27.0	26.2	27.3	26.9	—
274	Miscellaneous publishing	46.1	46.2	49.3	47.9	—	27.7	27.5	30.4	28.7	—
275	Commercial printing	379.7	380.5	393.8	395.2	—	280.0	279.8	291.6	292.3	—
2751	Commercial printing, letterpress	163.5	165.4	168.2	168.4	—	120.8	121.6	124.1	123.7	—
2752	Commercial printing, lithographic	193.3	193.0	203.8	204.9	—	140.2	139.9	149.5	150.4	—
278	Manifold business forms	44.1	44.4	47.1	47.5	—	31.6	31.8	33.8	34.2	—
278	Blankbooks and bookbinding	59.8	60.8	62.5	63.4	—	49.2	50.3	51.5	52.5	—
279	Printing trade services	39.4	39.2	39.9	39.9	—	28.5	28.5	29.0	29.1	—
28	CHEMICALS AND ALLIED PRODUCTS	1,087.4	1,097.5	1,096.9	1,100.3	1,113.8	626.8	632.9	629.9	630.7	642.6
281	Industrial inorganic chemicals	163.1	163.9	168.6	167.8	—	93.2	93.3	93.4	92.0	—
2819	Industrial inorganic chemicals, nec.	107.9	107.5	111.3	110.0	—	59.6	59.3	61.6	60.2	—
282	Plastics materials and synthetics	214.3	216.2	214.5	215.0	—	145.1	146.8	146.8	146.4	—
2821	Plastics materials and resins	84.1	85.4	84.6	85.2	—	52.0	52.8	52.7	52.6	—
2824	Organic fibers, noncellulosic	95.3	95.6	95.4	95.2	—	67.8	68.3	68.9	68.6	—
283	Drugs	183.0	185.5	186.3	186.8	—	89.2	90.4	91.4	91.5	—
2834	Pharmaceutical preparations	145.7	147.7	148.7	149.2	—	68.2	68.8	69.7	70.3	—
284	Soap, cleaners, and toilet goods	133.4	134.9	133.2	135.2	—	81.5	82.6	79.7	81.7	—
2841	Soap and other detergents	40.2	40.2	39.7	40.1	—	25.8	25.9	25.5	25.7	—
2842, 3	Polishing, sanitation, and finishing preparations	37.3	38.3	38.8	39.3	—	20.7	21.6	21.5	22.0	—
2844	Toilet preparations	55.9	56.4	54.7	55.8	—	35.0	35.1	32.7	39.0	—
285	Paints and allied products	69.7	71.4	69.5	70.3	—	37.0	38.4	36.0	36.7	—
286	Industrial organic chemicals	163.8	165.5	163.0	163.5	—	84.6	85.6	84.0	84.8	—

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers ¹				
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
2865	Cyclic crudes and intermediates	35.2	35.5	36.1	36.3	—	21.7	22.0	23.0	23.1	—
2861.9	Gum, wood, and industrial organic chemicals, nec.	128.6	130.0	126.9	127.2	—	62.9	63.6	61.0	61.7	—
287	Agricultural chemicals	73.2	71.1	73.6	73.8	—	46.8	44.6	48.5	48.2	—
289	Miscellaneous chemical products	86.9	89.0	88.2	87.9	—	49.4	51.2	50.1	49.4	—
29	PETROLEUM AND COAL PRODUCTS	207.8	213.5	210.8	213.0	215.6	135.5	139.8	137.8	141.0	146.4
291	Petroleum refining	162.2	165.4	163.5	164.5	—	101.7	103.8	103.2	105.1	—
295	Paving and roofing materials	34.1	36.3	35.1	36.4	—	26.5	28.5	27.2	28.6	—
30	RUBBER AND MISC. PLASTICS PRODUCTS	741.0	755.0	767.6	771.1	777.0	581.6	593.9	602.3	605.9	612.9
301	Tires and inner tubes	125.3	127.0	128.5	128.2	—	91.1	92.8	93.7	94.2	—
302	Rubber and plastics footwear	21.6	23.8	22.5	21.5	—	18.9	20.9	19.6	18.5	—
303.4	Reclaimed rubber, and rubber and plastics hose and belting	23.2	23.8	21.7	21.9	—	17.4	18.0	16.2	16.4	—
306	Fabricated rubber products, nec	113.4	114.1	115.5	115.4	—	88.9	89.7	91.3	91.0	—
307	Miscellaneous plastics products	457.5	466.3	479.4	484.1	—	365.3	372.5	381.5	385.8	—
31	LEATHER AND LEATHER PRODUCTS	255.6	259.8	238.3	242.1	244.7	220.1	224.1	202.7	206.6	209.1
311	Leather tanning and finishing	23.0	23.2	20.3	20.4	—	19.7	19.9	17.1	17.2	—
314	Footwear, except rubber	159.3	162.2	146.9	149.7	—	139.5	142.3	126.2	129.0	—
3143	Men's footwear, except athletic	65.0	65.7	58.8	59.3	—	57.6	58.2	51.2	51.8	—
3144	Women's footwear, except athletic	62.5	64.2	58.8	60.7	—	54.3	56.0	50.1	51.9	—
316	Luggage	17.3	17.5	17.2	17.9	—	13.4	13.5	13.6	14.2	—
317	Handbags and personal leather goods	30.6	31.4	30.0	30.1	—	25.5	26.3	25.4	25.6	—
—	TRANSPORTATION AND PUBLIC UTILITIES	4,842	4,920	4,896	5,026	5,115	4,082	4,146	4,083	4,214	4,283
40	RAILROAD TRANSPORTATION	545.1	560.1	535.7	549.3	—	—	—	—	—	—
4011	Class I railroads ²	496.5	505.4	494.1	506.7	—	—	—	—	—	—
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	265.5	258.9	266.9	272.9	—	244.7	238.5	245.7	251.8	—
411	Local and suburban transportation	69.3	72.7	74.3	75.6	—	63.5	67.2	68.9	70.0	—
412	Taxicabs	67.7	66.9	67.9	67.0	—	—	—	—	—	—
413	Intercity highway transportation	37.5	38.9	36.6	37.9	—	34.4	35.8	33.6	35.0	—
415	School buses	76.6	65.9	73.7	77.3	—	—	—	—	—	—
42	TRUCKING AND WAREHOUSING	1,256.2	1,282.6	1,230.6	1,319.6	—	1,112.7	1,137.5	1,081.7	1,167.6	—
421.3	Trucking and trucking terminals	1,170.7	1,196.8	1,149.3	1,239.0	—	1,038.9	1,063.4	1,012.3	1,099.0	—
422	Public warehousing	85.5	85.8	81.3	80.6	—	73.8	74.1	69.4	68.6	—
44	WATER TRANSPORTATION	209.8	213.2	210.2	214.6	—	—	—	—	—	—
45	TRANSPORTATION BY AIR	389.7	396.7	378.9	381.8	—	—	—	—	—	—
451.2	Air transportation	346.5	352.2	331.2	333.6	—	—	—	—	—	—
46	PIPE LINES, EXCEPT NATURAL GAS	18.6	19.6	18.4	18.4	—	13.4	14.3	13.0	13.0	—
47	TRANSPORTATION SERVICES	165.6	169.3	177.1	180.3	—	—	—	—	—	—
48	COMMUNICATION	1,218.8	1,232.4	1,282.0	1,289.5	—	923.9	934.7	968.1	975.3	—
481	Telephone communication	981.4	992.8	1,031.2	1,036.4	—	732.0	740.6	761.9	767.2	—
483	Radio and television broadcasting	175.6	177.3	183.4	185.5	—	137.9	139.5	146.6	148.7	—
49	ELECTRIC, GAS, AND SANITARY SERVICES	772.2	787.5	796.3	799.3	—	631.7	644.8	647.6	649.9	—
491	Electric services	355.3	361.7	371.1	372.0	—	286.9	292.2	298.9	299.6	—
492	Gas production and distribution	159.2	163.9	161.5	162.5	—	130.2	134.6	131.6	132.4	—
493	Combination utility services	190.0	192.8	191.0	191.9	—	156.0	158.4	154.5	154.9	—
495	Sanitary services	43.3	43.8	46.5	46.6	—	38.3	38.6	41.1	41.3	—
—	WHOLESALE AND RETAIL TRADE	19,267	19,499	19,810	19,963	20,059	16,986	17,186	17,417	17,556	17,633
50.51	WHOLESALE TRADE	4,870	4,934	5,032	5,061	5,120	4,014	4,071	4,138	4,161	4,217
50	WHOLESALE TRADE - DURABLE GOODS	2,836	2,870	2,973	2,993	—	2,334	2,365	2,442	2,458	—
501	Motor vehicles and automotive equipment	417.0	421.8	434.2	438.1	—	343.8	347.4	354.8	358.2	—
502	Furniture and home furnishing	98.4	98.3	101.5	101.9	—	80.0	80.0	82.5	82.7	—
503	Lumber and construction materials	173.3	177.0	177.2	179.5	—	145.1	148.4	147.2	149.7	—
504	Sporting goods, toys, and hobby goods	63.7	64.7	58.8	60.2	—	53.1	53.7	48.3	49.6	—
505	Metals and minerals, except petroleum	136.6	139.0	146.5	147.7	—	110.8	113.3	119.2	120.5	—
506	Electrical goods	390.0	394.7	414.6	416.3	—	321.1	325.6	341.2	341.8	—
507	Hardware, plumbing, and heating equipment	229.8	232.4	238.1	239.7	—	190.2	192.5	197.5	198.9	—

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P
	WHOLESALE TRADE-DURABLE GOODS—										
	Continued										
508	Machinery, equipment, and supplies	1,133.6	1,146.8	1,199.8	1,207.0	-	928.0	940.1	979.4	985.2	-
509	Miscellaneous durable goods	193.5	195.1	202.7	202.3	-	162.2	164.3	171.5	171.0	-
	WHOLESALE TRADE-NONDURABLE GOODS										
51	Paper and paper products	2,034	2,064	2,059	2,068	-	1,680	1,706	1,696	1,703	-
511	Drugs, proprietaries, and sundries	131.8	132.4	136.6	137.5	-	107.2	107.5	110.4	111.0	-
512	Apparel, piece goods, and notions	134.9	136.2	138.1	139.2	-	115.6	116.5	119.1	119.8	-
513	Groceries and related products	157.6	160.1	160.7	161.2	-	125.2	127.2	127.4	127.6	-
514	Petroleum and petroleum products	622.1	639.2	614.5	616.8	-	538.8	554.2	531.9	533.4	-
516	Beer, wine, and distilled beverages	116.8	117.6	118.6	118.8	-	83.3	84.1	85.7	85.9	-
517	Miscellaneous nondurable goods	225.5	228.9	222.5	223.5	-	174.7	177.7	164.2	165.9	-
518		129.6	132.7	137.1	138.5	-	109.7	112.7	116.1	117.5	-
519		362.4	364.8	373.6	376.1	-	299.7	301.9	309.8	312.0	-
52-59	RETAIL TRADE	14,397	14,565	14,778	14,902	14,939	12,972	13,115	13,279	13,395	13,416
	BUILDING MATERIALS AND GARDEN										
52	SUPPLIES	588.4	601.0	601.6	611.4	-	502.7	515.1	513.5	524.9	-
521	Lumber and other building materials	313.5	323.2	318.3	323.7	-	270.1	279.4	272.9	278.5	-
525	Hardware stores	141.1	144.1	144.3	146.9	-	120.3	123.5	123.4	126.9	-
53	GENERAL MERCHANDISE STORES	2,260.5	2,284.7	2,222.3	2,224.4	-	2,104.2	2,127.3	2,067.4	2,066.9	-
531	Department stores	1,832.8	1,851.8	1,787.3	1,785.5	-	1,717.6	1,735.6	1,674.0	1,669.4	-
533	Variety stores	285.8	287.8	284.7	283.9	-	265.9	267.5	263.7	262.7	-
539	Misc. general merchandise stores	141.9	145.1	150.3	155.0	-	120.7	124.2	129.7	134.8	-
54	FOOD STORES	2,191.7	2,199.3	2,263.9	2,268.8	-	2,022.3	2,027.5	2,087.9	2,092.4	-
541	Grocery stores	1,926.3	1,934.9	1,999.7	2,006.6	-	1,780.9	1,786.9	1,846.3	1,852.4	-
542	Meat markets and freezer provisioners	46.8	46.5	48.6	48.7	-	-	-	-	-	-
546	Retail bakeries	117.1	117.1	118.5	117.7	-	107.5	107.4	109.5	108.7	-
55	AUTOMOTIVE DEALERS AND SERVICE										
	STATIONS	1,849.5	1,872.2	1,858.7	1,852.9	-	1,593.2	1,606.8	1,589.2	1,583.8	-
551.2	New and used car dealers	878.9	887.8	902.8	901.7	-	733.9	740.7	751.7	750.4	-
553	Auto and home supply stores	248.3	254.1	250.2	256.3	-	217.5	222.1	217.8	223.8	-
554	Gasoline service stations	642.4	648.8	624.2	609.7	-	574.0	574.3	550.2	536.9	-
56	APPAREL AND ACCESSORY STORES	864.6	862.8	899.4	891.1	-	745.7	745.0	775.9	767.4	-
561	Men's and boys' clothing and furnishings	136.6	137.8	140.5	139.6	-	116.3	117.4	119.5	118.5	-
562	Women's ready-to-wear stores	322.0	319.9	331.9	331.8	-	279.5	277.9	289.2	289.1	-
565	Family clothing stores	153.4	153.3	160.0	159.7	-	135.3	135.9	140.2	139.8	-
568	Shoe stores	168.5	167.8	183.9	176.2	-	140.9	140.1	154.6	146.7	-
57	FURNITURE AND HOME FURNISHINGS										
	STORES	586.3	588.3	602.8	600.8	-	486.5	488.2	498.0	496.3	-
571	Furniture and home furnishings	352.7	355.2	356.9	356.5	-	296.8	299.2	299.3	298.4	-
572	Household appliance stores	86.6	87.9	90.7	89.8	-	73.9	74.9	77.6	76.7	-
573	Radio, television, and music stores	147.0	145.2	155.2	154.5	-	115.8	114.1	121.1	121.2	-
58	EATING AND DRINKING PLACES	4,294.1	4,397.1	4,521.3	4,642.0	-	3,968.5	4,058.1	4,152.6	4,266.9	-
59	MISCELLANEOUS RETAIL	1,762.1	1,759.4	1,807.8	1,811.0	-	1,549.0	1,546.9	1,594.6	1,596.7	-
591	Drug stores and proprietary stores	492.3	499.9	515.5	516.8	-	448.2	455.4	469.2	470.8	-
592	Liquor stores	117.8	120.0	124.1	124.4	-	-	-	-	-	-
594	Miscellaneous shopping goods stores	483.9	485.5	499.2	499.0	-	412.8	415.8	427.4	426.5	-
596	Nonstore retailers	268.4	271.1	259.1	255.4	-	249.2	251.5	243.2	239.5	-
598	Fuel and ice dealers	99.0	97.5	102.5	99.3	-	83.7	82.1	86.9	84.0	-
599	Retail stores, nec.	247.5	232.6	252.9	260.5	-	211.2	196.8	216.3	223.4	-
-	FINANCE, INSURANCE, AND REAL ESTATE	4,642	4,712	4,838	4,873	4,920	3,526	3,589	3,679	3,708	3,762
60	BANKING	1,403.3	1,423.0	1,468.8	1,471.7	-	1,097.0	1,114.7	1,137.3	1,138.5	-
602	Commercial and stock savings banks	1,279.7	1,297.9	1,339.6	1,342.6	-	996.7	1,012.9	1,032.1	1,033.7	-
61	CREDIT AGENCIES OTHER THAN BANKS	493.9	499.6	520.9	522.5	-	378.3	383.4	400.0	400.5	-
612	Savings and loan associations	211.1	214.1	227.3	228.4	-	164.9	167.7	175.7	176.4	-
614	Personal credit institutions	196.4	197.6	203.9	204.5	-	147.9	149.1	155.8	155.8	-
62	SECURITY, COMMODITY BROKERS, AND SERVICES	184.7	188.3	200.2	200.3	-	-	-	-	-	-
621	Security brokers and dealers	152.0	154.4	163.9	163.7	-	-	-	-	-	-
63	INSURANCE CARRIERS	1,186.5	1,198.9	1,228.1	1,225.6	-	824.4	835.8	865.6	861.3	-
531	Life insurance	522.7	525.2	528.1	524.1	-	311.2	313.6	317.3	312.5	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers ¹				
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P
	INSURANCE CARRIERS—Continued										
632	Medical service and health insurance	137.9	139.2	142.1	142.2	-	111.6	112.4	114.0	114.1	-
633	Fire, marine, and casualty insurance	454.4	461.6	484.3	485.1	-	343.1	349.8	373.9	373.7	-
64	INSURANCE AGENTS, BROKERS, AND SERVICE	388.1	392.8	409.5	411.3	-	-	-	-	-	-
65	REAL ESTATE	855.9	877.8	876.9	907.0	-	-	-	-	-	-
651	Real estate operators and lessors	429.5	437.7	434.2	446.4	-	-	-	-	-	-
653	Real estate agents and managers	288.9	297.7	303.0	310.1	-	-	-	-	-	-
655	Subdividers and developers	113.5	117.9	114.5	124.8	-	-	-	-	-	-
66	COMBINED REAL ESTATE, INSURANCE, ETC.	30.0	30.3	29.8	30.2	-	-	-	-	-	-
67	HOLDING AND OTHER INVESTMENT OFFICES.	99.1	101.2	103.7	104.3	-	-	-	-	-	-
-	SERVICES	15,975	16,139	16,575	16,700	16,853	14,260	14,389	14,717	14,834	14,961
70	HOTELS AND OTHER LODGING PLACES	949.3	1,007.0	961.2	987.2	-	-	-	-	-	-
701	Hotels, motels, and tourist courts	914.4	963.6	929.4	952.7	-	842.9	888.8	857.5	879.7	-
72	PERSONAL SERVICES	903.7	899.8	905.4	904.9	-	-	-	-	-	-
721	Laundry, cleaning, and garment services	354.5	357.3	351.2	353.0	-	316.0	318.4	312.2	314.4	-
723	Beauty shops	280.2	280.4	283.5	280.1	-	257.9	259.2	262.2	256.6	-
726	Funeral service and crematories	70.0	69.6	72.8	72.8	-	-	-	-	-	-
73	BUSINESS SERVICES	2,504.5	2,539.3	2,674.4	2,714.2	-	2,170.4	2,203.6	2,312.7	2,351.9	-
731	Advertising	138.0	140.7	148.3	149.6	-	102.1	104.4	109.2	110.5	-
732	Credit reporting and collection	87.8	88.4	86.6	86.5	-	-	-	-	-	-
733	Mailing, reproduction, stenographic	99.6	98.0	101.5	101.3	-	-	-	-	-	-
734	Services to buildings	451.2	457.5	470.5	482.9	-	404.6	411.6	423.4	433.7	-
736	Personnel supply services	396.0	399.4	411.4	432.7	-	-	-	-	-	-
737	Computer and data processing services	203.0	206.0	235.3	234.8	-	165.3	168.9	194.0	194.0	-
75	AUTO REPAIR, SERVICES, AND GARAGES	516.6	525.6	535.8	534.9	-	443.6	451.9	459.8	457.8	-
753	Automotive repair shops	316.7	325.0	325.2	325.3	-	270.2	277.6	277.7	277.1	-
76	MISCELLANEOUS REPAIR SERVICES	243.6	247.6	253.9	253.4	-	208.8	212.2	217.1	215.6	-
78	MOTION PICTURES	214.4	228.2	219.4	215.5	-	189.2	202.1	197.6	194.5	-
781	Motion picture production and services	72.1	77.0	81.9	72.2	-	62.5	67.1	72.7	64.0	-
783	Motion picture theaters	132.2	141.1	127.2	133.0	-	-	-	-	-	-
79	AMUSEMENT AND RECREATION SERVICES	721.2	782.7	699.1	732.0	-	657.5	716.4	633.2	666.8	-
80	HEALTH SERVICES	4,726.1	4,780.7	4,918.6	4,934.5	-	4,216.8	4,264.7	4,376.9	4,391.8	-
801	Offices of physicians	676.8	683.9	703.0	707.7	-	559.9	565.5	574.5	578.7	-
802	Offices of dentists	287.6	288.7	298.2	301.1	-	251.1	251.1	261.0	264.3	-
805	Nursing and personal care facilities	892.6	907.5	940.8	945.7	-	805.2	818.9	846.6	851.0	-
806	Hospitals	2,524.9	2,553.0	2,609.9	2,612.1	-	2,302.7	2,329.5	2,382.6	2,383.4	-
81	LEGAL SERVICES	413.1	430.7	441.7	444.1	-	359.0	374.8	379.0	380.8	-
82	EDUCATIONAL SERVICES	1,085.0	958.2	1,091.3	1,068.7	-	-	-	-	-	-
821	Elementary and secondary schools	245.9	238.5	235.1	234.1	-	-	-	-	-	-
822	Colleges and universities	737.1	620.5	748.8	726.7	-	-	-	-	-	-
83	SOCIAL SERVICES	938.5	941.4	998.2	1,008.3	-	-	-	-	-	-
86	MEMBERSHIP ORGANIZATIONS	1,535.2	1,539.9	1,581.0	1,591.1	-	-	-	-	-	-
89	MISCELLANEOUS SERVICES	842.1	862.9	910.3	911.5	-	702.2	718.3	756.6	757.2	-
891	Engineering and architectural services	456.6	473.5	481.4	489.6	-	386.3	401.5	406.2	413.6	-
893	Accounting, auditing, and bookkeeping	267.0	268.6	297.1	290.1	-	215.9	214.7	241.1	235.0	-
-	GOVERNMENT ⁴	15,808	15,691	15,825	15,860	15,716	-	-	-	-	-
-	FEDERAL GOVERNMENT	2,756	2,802	2,750	2,773	2,807	-	-	-	-	-
-	Executive	2,702.9	2,747.5	2,697.4	2,720.3	-	-	-	-	-	-
-	Department of Defense	911.3	924.8	890.0	896.6	-	-	-	-	-	-
-	Postal Service	648.3	648.3	655.0	659.5	-	-	-	-	-	-
-	Other executive agencies	1,143.3	1,174.4	1,152.4	1,164.2	-	-	-	-	-	-
-	Manufacturing activities	141.6	141.9	139.9	139.7	-	-	-	-	-	-
-	Shipbuilding	72.8	72.8	71.6	71.7	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers ¹					
		May 1978	June 1978	Apr. 1979	May 1979 ^p	June 1979 ^p	May 1978	June 1978	Apr. 1979	May 1979 ^p	June 1979 ^p	
	Executive—Continued											
-	Transportation and public utilities, except											
-	Postal Service	38.2	38.1	37.7	38.2	-	-	-	-	-	-	-
-	Services	386.9	394.4	375.0	378.0	-	-	-	-	-	-	-
-	Hospitals	237.3	242.0	228.0	229.4	-	-	-	-	-	-	-
-	Legislative	40.0	41.4	39.4	39.7	-	-	-	-	-	-	-
-	Judicial	12.8	12.9	13.2	13.1	-	-	-	-	-	-	-
-	STATE AND LOCAL GOVERNMENT	13,052	12,889	13,075	13,087	12,909	-	-	-	-	-	-
-	State government	3,477.0	3,347.3	3,504.6	3,468.5	-	-	-	-	-	-	-
-	Hospitals	552.3	553.4	562.5	562.0	-	-	-	-	-	-	-
-	State education	1,428.7	1,260.1	1,460.5	1,417.3	-	-	-	-	-	-	-
-	General administration including executive, legislative, and judicial functions	922.1	936.8	904.9	907.6	-	-	-	-	-	-	-
-	Local government	9,575.4	9,541.5	9,570.3	9,618.7	-	-	-	-	-	-	-
-	Transportation and public utilities	561.7	565.6	570.9	584.5	-	-	-	-	-	-	-
-	Hospitals	506.2	513.9	522.1	523.9	-	-	-	-	-	-	-
-	Local education	5,415.6	5,226.6	5,399.1	5,411.3	-	-	-	-	-	-	-
-	General administration including executive, legislative, and judicial functions	2,747.7	2,875.4	2,727.8	2,752.6	-	-	-	-	-	-	-

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

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

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

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

^p Not available.
^p preliminary.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	Mar. 1978	Apr. 1978	Feb. 1979	Mar. 1979	Apr. 1979
-	TOTAL	34,454	34,772	35,829	36,124	36,423
-	PRIVATE SECTOR	27,090	27,374	28,401	28,643	28,911
-	MINING	68	72	82	84	85
10	METAL MINING	6.4	6.5	7.6	8.0	8.0
11, 12	COAL MINING	4.8	7.8	8.5	8.5	8.6
13	OIL AND GAS EXTRACTION	49.1	49.8	57.5	58.7	59.5
131, 2	Crude petroleum, natural gas, and natural gas liquids.....	32.2	32.5	36.7	37.0	37.6
138	Oil and gas field services.....	16.9	17.3	20.8	21.7	21.9
14	NONMETALLIC MINERALS, EXCEPT FUELS	7.3	7.7	8.1	8.6	8.9
142	Crushed and broken stone.....	2.3	2.4	2.6	2.7	2.8
144	Sand and gravel.....	2.1	2.3	2.4	2.7	2.9
-	CONSTRUCTION	319	323	344	346	353
15	GENERAL BUILDING CONTRACTORS	117.0	118.7	123.9	123.6	126.2
152	Residential building construction.....	70.2	71.8	73.8	73.6	75.5
153	Operative builders.....	16.3	16.3	17.0	16.8	16.9
154	Nonresidential building construction.....	30.5	30.6	33.1	33.2	33.8
16	HEAVY CONSTRUCTION CONTRACTORS	48.0	49.5	49.0	49.9	52.3
161	Highway and street construction.....	10.9	12.0	13.1	14.0	15.9
162	Heavy construction, except highway.....	37.1	37.5	35.9	35.9	36.4
17	SPECIAL TRADE CONTRACTORS	153.9	154.9	170.6	172.6	174.3
171	Plumbing, heating, air conditioning.....	44.1	44.2	46.5	46.9	47.7
172	Painting, paper hanging, decorating.....	10.0	9.7	11.5	11.5	11.6
173	Electrical work.....	28.0	27.8	29.3	29.7	29.4
174	Masonry, stonework, and plastering.....	17.6	18.1	20.7	20.8	21.4
175	Carpentering and flooring.....	11.6	12.0	14.1	13.8	14.0
176	Roofing and sheet metal work.....	10.5	10.5	11.8	12.2	12.5
-	MANUFACTURING	6,035	6,069	6,284	6,323	6,336
24, 25, 32-39	DURABLE GOODS	2,782	2,806	2,991	3,015	3,030
20-23, 26-31	NONDURABLE GOODS	3,253	3,263	3,293	3,308	3,306
	DURABLE GOODS					
24	LUMBER AND WOOD PRODUCTS	101.7	104.3	108.6	110.7	111.9
241	Logging camps and logging contractors.....	4.7	4.7	4.8	4.9	5.1
242	Sawmills and planing mills.....	20.8	21.1	22.4	22.8	22.8
2421	Sawmills and planing mills, general.....	14.6	14.7	15.3	15.7	15.9
243	Millwork, plywood, and structural members.....	39.7	40.5	42.9	43.8	44.1
244	Wooden containers.....	6.9	7.2	7.1	7.4	7.5
245	Wood buildings and mobile homes.....	9.4	10.2	9.7	10.1	10.3
249	Miscellaneous wood products.....	20.2	20.6	21.7	21.7	22.1
25	FURNITURE AND FIXTURES	140.2	140.3	144.8	143.5	142.9
251	Household furniture.....	106.9	106.7	108.7	107.7	106.9
2511	Wood household furniture.....	44.2	44.2	45.1	44.9	44.8
2512	Upholstered household furniture.....	36.5	36.7	37.3	37.0	37.0
2515	Mattresses and bedsprings.....	8.4	8.6	8.6	8.6	8.8
252	Office furniture.....	9.4	9.5	10.6	10.5	10.5
253	Public building and related furniture.....	4.7	4.6	5.0	4.9	5.1
254	Partitions and fixtures.....	9.2	9.4	10.3	10.3	10.5
259	Miscellaneous furniture and fixtures.....	10.0	10.1	10.2	10.1	9.9
32	STONE, CLAY, AND GLASS PRODUCTS	127.3	127.9	129.9	131.5	132.3
322	Glass and glassware, pressed or blown.....	47.3	47.5	44.4	44.6	44.3
3221	Glass containers.....	28.2	28.3	25.4	25.4	25.5
3229	Pressed and blown glass, nec.....	19.1	19.2	19.0	19.2	18.8
323	Products of purchased glass.....	10.8	10.6	12.6	12.9	13.1
324	Cement, hydraulic.....	1.5	1.5	1.6	1.6	1.6
325	Structural clay products.....	6.5	6.6	6.7	6.7	6.8
326	Pottery and related products.....	16.9	16.7	16.9	17.1	17.3
327	Concrete, gypsum, and plaster products.....	13.4	13.5	13.9	14.2	14.5
329	Misc. nonmetallic mineral products.....	28.2	28.6	31.3	31.4	31.7
33	PRIMARY METAL INDUSTRIES	114.5	115.3	129.5	130.5	132.0
331	Blast furnace and basic steel products.....	35.1	35.8	40.7	41.2	42.3
3312	Blast furnaces and steel mills.....	27.0	27.6	31.9	32.3	33.1
332	Iron and steel foundries.....	17.6	16.5	20.6	21.1	21.2

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Mar. 1978	Apr. 1978	Feb. 1979	Mar. 1979	Apr. 1979
PRIMARY METAL INDUSTRIES —Continued						
3321	Gray iron foundries	9.0	9.0	10.2	10.4	10.5
3322	Malleable iron foundries	1.5	1.5	1.7	1.8	1.8
3325	Steel foundries, nec	4.0	4.1	4.8	4.9	4.9
333	Primary nonferrous metals	4.2	4.2	4.5	4.6	4.7
3334	Primary aluminum	1.4	1.4	1.7	1.7	1.8
335	Nonferrous rolling and drawing	37.6	38.7	41.7	41.5	41.5
3351	Copper rolling and drawing	3.2	3.4	3.8	3.8	3.8
3353	Aluminum sheet, plate, and foil	4.3	4.4	4.6	4.6	4.6
3357	Nonferrous wire drawing and insulating	22.3	23.0	24.6	24.5	24.6
336	Nonferrous foundries	15.1	15.2	16.9	17.0	17.1
3361	Aluminum foundries	7.0	7.1	7.7	7.8	7.8
34	FABRICATED METAL PRODUCTS	329.4	333.8	349.2	352.0	353.9
341	Metal cans and shipping containers	12.3	12.8	13.3	13.3	13.7
3411	Metal cans	10.8	11.3	11.6	11.6	11.8
342	Cutlery, hand tools, and hardware	62.5	62.5	64.0	64.3	64.5
3423, 5	Hand and edge tools, and hand saws and blades	16.8	16.7	17.1	17.1	17.3
3429	Hardware, nec	38.7	38.8	39.6	40.0	40.0
343	Plumbing and heating, except electric	16.7	16.9	17.8	17.8	18.2
344	Fabricated structural metal products	65.3	66.4	68.7	69.2	69.8
3441	Fabricated structural metal	6.9	6.8	7.6	7.5	7.7
3442	Metal doors, sash, and trim	21.8	22.6	21.1	21.3	21.7
3443	Fabricated plate work (boiler shops)	14.7	14.6	16.0	16.1	16.1
3444	Sheet metal work	13.4	13.7	14.4	14.4	14.5
345	Screw machine products, bolts, etc.	22.2	22.3	24.9	25.3	25.5
3451	Screw machine products	11.6	11.6	13.1	13.2	13.2
3452	Bolts, nuts, rivets, and washers	10.6	10.7	11.8	12.1	12.3
346	Metal forgings and stampings	55.2	56.6	58.6	58.8	58.3
3462	Iron and steel forgings	3.8	3.9	4.5	4.6	4.6
3465	Automotive stampings	14.3	15.1	15.4	15.2	15.0
3469	Metal stampings, nec	35.0	35.4	36.6	36.8	36.5
347	Metal services, nec	23.8	24.3	24.1	24.5	24.5
3471	Plating and polishing	17.6	17.9	17.3	17.6	17.5
3479	Metal coating and allied services	6.2	6.4	6.8	6.9	7.0
348	Ordnance and accessories, nec	15.7	15.8	16.5	16.6	16.8
349	Misc. fabricated metal products	55.7	56.2	61.3	62.2	62.6
3494	Valves and pipe fittings	20.0	20.2	22.4	22.6	22.9
3496	Misc. fabricated wire products	12.2	12.3	13.8	14.0	13.8
35	MACHINERY, EXCEPT ELECTRICAL	419.5	424.1	467.3	471.3	475.0
351	Engines and turbines	22.0	22.4	25.0	25.0	25.0
3511	Turbines and turbine generator sets	5.9	6.0	6.1	6.1	6.0
3519	Internal combustion engines, nec	16.1	16.4	18.9	18.9	19.0
352	Farm and garden machinery	23.1	23.3	25.6	26.1	25.6
3523	Farm machinery and equipment	17.9	17.9	20.3	20.6	20.4
353	Construction and related machinery	39.2	40.4	44.3	44.9	45.1
3531	Construction machinery	14.0	14.8	14.7	14.7	14.7
3533	Oil field machinery	8.4	8.5	10.2	10.4	10.5
354	Metalworking machinery	50.6	51.2	55.6	56.1	56.7
3541	Machine tools, metal cutting types	7.9	8.1	9.1	9.4	9.5
3544	Special dies, tools, jigs, and fixtures	13.6	13.8	15.4	15.6	15.9
3545	Machine tool accessories	12.4	12.6	14.1	14.1	14.2
355	Special industry machinery	28.5	28.9	30.5	30.7	30.7
3551	Food products machinery	5.9	5.9	6.3	6.4	6.4
3552	Textile machinery	5.9	5.9	6.0	6.0	5.9
3555	Printing trades machinery	6.2	6.4	6.9	6.9	6.9
356	General industrial machinery	55.7	55.9	61.4	62.0	62.4
3561	Pumps and pumping equipment	10.4	10.5	11.3	11.4	11.4
3562	Ball and roller bearings	13.6	13.5	14.7	14.8	15.0
357	Office and computing machines	117.0	118.4	134.9	136.1	137.7
3573	Electronic computing equipment	90.0	91.3	105.9	107.0	108.2
358	Refrigeration and service machinery	36.4	36.3	39.8	40.0	41.0
3585	Refrigeration and heating equipment	24.9	24.2	27.2	27.3	28.1
359	Misc. machinery, except electrical	47.0	47.3	50.2	50.4	50.8
3599	Machinery, except electrical, nec	37.4	37.7	38.8	38.9	39.2
36	ELECTRIC AND ELECTRONIC EQUIPMENT	801.7	804.4	852.3	858.7	861.7
361	Electric distributing equipment	44.1	43.1	44.0	44.5	44.3
3612	Transformers	20.6	20.1	20.5	20.5	20.5
3613	Switchgear and switchboard apparatus	23.5	23.0	23.5	24.0	23.8
362	Electrical industrial apparatus	90.9	91.4	96.9	97.2	97.8
3621	Motors and generators	50.6	51.0	53.8	54.1	54.6
3622	Industrial controls	28.3	28.4	30.1	30.2	30.2
363	Household appliances	60.6	63.1	57.6	57.3	57.1
3632	Household refrigerators and freezers	12.9	13.9	10.7	10.7	10.1
3633	Household laundry equipment	4.9	5.1	4.6	4.7	4.6
3634	Electric housewares and fans	24.9	25.4	24.4	24.2	24.6
364	Electric lighting and wiring equipment	97.0	96.7	103.3	104.2	104.9
3641	Electric lamps	24.2	24.1	24.8	24.9	25.2

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Mar. 1978	Apr. 1978	Feb. 1979	Mar. 1979	Apr. 1979
ELECTRIC AND ELECTRONIC EQUIPMENT—Continued						
3643	Current-carrying wiring devices	42.5	42.5	46.7	46.7	47.2
365	Radio and TV receiving equipment	65.0	62.9	61.4	61.0	59.4
3651	Radio and TV receiving sets	48.8	48.6	48.7	48.0	47.8
366	Communication equipment	172.2	171.7	186.7	189.4	190.7
3661	Telephone and telegraph apparatus	71.9	70.9	72.9	75.1	76.3
3662	Radio and TV communication equipment	100.3	100.8	113.8	114.3	114.4
367	Electronic components and accessories	218.5	221.5	246.3	248.6	251.1
3671-3	Electronic tubes	15.9	16.1	16.8	16.9	17.0
3674	Semiconductors and related devices	73.1	75.5	85.1	86.5	87.4
3679	Electronic components, nec	88.8	89.7	99.9	100.4	101.2
369	Misc. electrical equipment and supplies	53.4	54.0	56.1	56.5	56.4
3694	Engine electrical equipment	26.9	27.4	28.0	27.9	27.4
37	TRANSPORTATION EQUIPMENT	274.4	277.0	311.2	314.7	315.0
371	Motor vehicles and equipment	126.3	127.1	138.9	141.1	140.8
3711	Motor vehicles and car bodies	50.2	50.9	52.3	54.2	54.7
3713	Truck and bus bodies	5.3	5.2	6.1	6.2	6.1
3714	Motor vehicle parts and accessories	68.9	69.1	78.2	78.4	77.7
372	Aircraft and parts	85.1	85.5	106.8	108.2	109.7
3721	Aircraft	49.9	49.7	64.7	65.6	66.4
3724	Aircraft engines and engine parts	18.9	19.3	22.6	22.9	23.3
3728	Aircraft equipment, nec	16.3	16.5	19.5	19.7	20.0
373	Ship and boat building and repairing	22.0	22.0	22.2	22.3	22.0
3731	Ship building and repairing	14.6	14.6	13.8	13.9	13.8
374	Railroad equipment	4.6	4.9	5.4	5.4	5.5
376	Guided missiles, space vehicles, parts	15.7	15.8	17.6	17.8	17.8
3761	Guided missiles and space vehicles	12.6	12.6	14.1	14.2	14.2
379	Miscellaneous transportation equipment	14.5	15.5	14.3	13.8	13.0
38	INSTRUMENTS AND RELATED PRODUCTS	266.7	269.9	291.2	292.5	295.1
381	Engineering and scientific instruments	19.5	19.8	22.3	22.5	22.8
382	Measuring and controlling devices	89.3	90.7	97.8	98.4	99.0
3822	Environmental controls	25.4	25.4	24.5	24.4	24.3
3823	Process control instruments	15.0	15.1	16.8	16.8	16.9
3825	Instruments to measure electricity	35.2	36.4	41.1	41.8	42.2
383	Optical instruments and lenses	9.1	9.1	9.9	10.1	10.2
384	Medical instruments and supplies	73.4	74.0	81.5	81.7	81.8
3841	Surgical and medical instruments	31.4	31.6	36.0	36.2	36.4
3842	Surgical appliances and supplies	33.4	33.8	36.7	36.7	36.7
385	Ophthalmic goods	22.4	22.7	23.6	23.8	24.3
386	Photographic equipment and supplies	34.8	35.1	37.7	38.0	39.0
387	Watches, clocks, and watchcases	18.2	18.5	18.4	18.0	18.0
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	206.7	208.8	206.9	209.5	210.1
391	Jewelry, silverware, and plated ware	28.7	28.9	28.0	27.7	27.5
393	Musical instruments	11.3	11.5	11.4	11.6	11.7
394	Toys and sporting goods	59.3	61.1	55.7	57.3	58.2
3942, 4	Dolls, games, toys, and children's vehicles	27.6	29.7	26.8	27.8	28.1
3949	Sporting and athletic goods, nec	31.7	31.4	28.9	29.5	30.1
395	Pens, pencils, office and art supplies	18.5	18.6	19.3	19.7	19.7
396	Costume jewelry and notions	38.8	38.5	40.5	41.1	41.0
399	Miscellaneous manufactures	50.1	50.2	52.0	52.1	52.0
NONDURABLE GOODS						
20	FOOD AND KINDRED PRODUCTS	451.6	449.8	457.2	463.2	460.2
201	Meat products	104.2	104.5	110.1	110.6	112.0
2011	Meat packing plants	26.2	26.5	27.1	27.3	27.7
2013	Sausages and other prepared meats	19.8	19.4	20.4	20.3	19.7
2016	Poultry dressing plants	50.9	51.1	55.0	55.5	57.1
202	Dairy products	36.8	37.4	36.8	37.5	38.0
2026	Fluid milk	19.7	19.9	19.5	19.8	19.8
203	Preserved fruits and vegetables	80.3	76.3	76.6	79.9	77.4
2032	Canned specialties	9.7	9.6	9.6	9.9	9.9
2033	Canned fruits and vegetables	21.4	20.6	20.9	20.9	19.5
2037	Frozen fruits and vegetables	19.5	17.2	16.8	19.2	18.7
204	Grain mill products	27.9	27.8	28.3	27.9	27.9
205	Bakery products	60.4	61.1	59.9	60.2	60.4
2051	Bread, cake, and related products	41.5	41.9	41.2	41.4	41.4
2052	Cookies and crackers	18.9	19.2	18.7	18.8	19.0
206	Sugar and confectionery products	36.5	35.5	39.9	39.6	37.8
207	Fats and oils	5.0	5.0	4.9	5.0	4.9
209	Beverages	34.7	35.5	34.6	34.6	35.0
2082	Malt beverages	5.5	5.5	5.7	5.7	5.8
2086	Bottled and canned soft drinks	15.8	16.2	16.9	16.9	17.1
209	Misc. foods and kindred products	65.8	66.7	66.1	67.9	66.8
21	TOBACCO MANUFACTURES	25.6	23.8	25.4	24.6	23.6
211	Cigarettes	15.3	15.0	15.2	15.1	15.0

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Mar. 1978	Apr. 1978	Feb. 1979	Mar. 1979	Apr. 1979
22	TEXTILE MILL PRODUCTS	428.3	428.5	427.1	427.3	427.1
221	Weaving mills, cotton	66.9	66.2	66.7	67.1	67.2
222	Weaving mills, synthetics	49.3	49.1	49.4	49.3	49.4
223	Weaving and finishing mills, wool	7.9	7.9	8.3	8.2	8.2
224	Narrow fabric mills	15.4	15.5	15.5	15.5	15.4
225	Knitting mills	152.9	154.0	150.2	150.9	151.3
2251	Women's hosiery, except socks	21.9	21.5	24.3	24.3	24.0
2252	Hosiery, nec	25.6	25.8	25.6	25.5	25.5
2253	Knit outerwear mills	53.6	55.0	48.4	49.0	49.2
2254	Knit underwear mills	26.8	27.0	28.5	28.7	28.9
2257	Circular knit fabric mills	14.6	14.4	13.7	13.6	13.8
226	Textile finishing, except wool	23.8	23.5	23.4	23.4	23.4
2261	Finishing plants, cotton	10.1	10.1	10.4	10.2	10.2
2262	Finishing plants, synthetic	6.8	6.8	6.4	6.6	6.6
227	Floor covering mills	25.0	25.5	25.8	25.9	25.0
228	Yarn and thread mills	65.9	65.8	66.3	65.4	65.8
2281	Yarn mills, except wool	40.9	40.9	42.1	41.3	41.4
2282	Throwing and winding mills	12.8	12.7	12.2	12.0	12.2
229	Miscellaneous textile goods	21.2	21.0	21.5	21.6	21.4
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,073.1	1,077.0	1,053.7	1,057.5	1,054.8
231	Men's and boys' suits and coats	67.4	68.6	67.2	65.0	66.5
232	Men's and boys' furnishings	313.0	315.2	307.8	308.8	309.4
2321	Men's and boys' shirts and nightwear	89.3	90.1	90.6	90.0	90.4
2327	Men's and boys' separate trousers	71.4	72.0	69.0	69.5	69.3
2328	Men's and boys' work clothing	81.3	81.4	80.8	80.9	81.2
233	Women's and misses' outerwear	368.1	367.6	362.3	366.5	363.9
2331	Women's and misses' blouses and waists	50.8	50.7	52.9	52.9	52.7
2335	Women's and misses' dresses	142.0	142.3	135.0	138.7	138.7
2337	Women's and misses' suits and coats	53.0	52.5	51.7	52.9	53.1
2339	Women's and misses' outerwear, nec	122.3	122.1	122.7	122.0	119.4
234	Women's and children's undergarments	83.6	82.8	78.9	78.7	79.5
2341	Women's and children's underwear	66.7	66.1	63.6	63.4	63.8
2342	Brassieres and allied garments	16.9	16.7	15.3	15.3	15.7
236	Children's outerwear	58.6	58.8	57.6	57.5	56.4
2361	Children's dresses and blouses	23.3	23.1	22.2	21.9	21.7
238	Misc. apparel and accessories	48.9	49.2	45.5	46.1	45.8
239	Misc. fabricated textile products	120.0	121.6	120.7	121.3	119.9
2391	Curtains and draperies	24.2	23.5	23.2	23.1	22.8
2392	House furnishings, nec	33.1	33.3	30.7	31.4	31.4
2396	Automotive and apparel trimmings	17.7	17.9	18.7	19.0	19.3
26	PAPER AND ALLIED PRODUCTS	154.1	156.3	158.9	161.0	162.2
261, 2,6	Paper and pulp mills	25.0	25.1	25.5	26.2	26.5
262	Paper mills, except building paper	22.5	22.7	23.1	23.8	24.1
263	Paperboard mills	5.5	5.4	6.1	6.1	6.1
264	Misc. converted paper products	72.8	74.2	74.3	75.6	76.0
265	Paperboard containers and boxes	50.8	51.6	53.0	53.1	53.6
27	PRINTING AND PUBLISHING	444.4	447.0	471.4	473.2	475.6
271	Newspapers	139.1	139.3	148.5	149.0	148.6
272	Periodicals	46.1	46.1	49.4	49.3	48.9
273	Books	56.3	56.6	55.9	56.5	57.3
274	Miscellaneous publishing	25.4	25.9	26.4	26.1	26.9
275	Commercial printing	112.4	113.5	122.0	123.0	124.4
2751	Commercial printing, letterpress	51.5	52.3	55.3	55.5	56.0
2752	Commercial printing, lithographic	55.1	55.4	61.2	61.8	62.7
276	Manifold business forms	13.5	13.5	14.8	14.8	15.0
278	Blankbooks and bookbinding	30.9	31.0	33.1	33.1	32.6
279	Printing trade services	7.9	8.1	8.3	8.3	8.6
28	CHEMICALS AND ALLIED PRODUCTS	249.3	250.2	260.7	262.1	262.9
281	Industrial inorganic chemicals	21.2	21.4	23.4	23.4	23.7
2819	Industrial inorganic chemicals, nec	14.9	15.0	16.1	16.0	16.2
282	Plastics materials and synthetics	42.6	42.7	45.1	44.9	45.5
2821	Plastics materials and resins	9.6	9.7	10.7	10.5	10.7
2824	Organic fibers, noncellulosic	25.4	25.1	26.1	26.1	26.4
283	Drugs	72.2	71.9	75.3	75.4	76.3
2834	Pharmaceutical preparations	61.5	61.1	64.2	64.2	65.1
284	Soap, cleaners, and toilet goods	52.8	52.9	52.6	53.5	52.5
2841	Soap and other detergents	9.1	8.9	8.9	8.9	8.4
2844	Toilet preparations	32.0	32.0	31.3	32.2	31.8
285	Paints and allied products	11.2	11.7	12.5	12.7	12.6
286	Industrial organic chemicals	23.2	23.3	23.7	23.8	23.9
2861,9	Gum, wood, and industrial organic chemicals, nec	18.7	18.8	19.2	19.3	19.3
287	Agricultural chemicals	9.0	9.2	9.6	9.9	10.1
289	Miscellaneous chemical products	17.1	17.1	18.5	18.5	18.3

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Mar. 1978	Apr. 1978	Feb. 1979	Mar. 1979	Apr. 1979
29	PETROLEUM AND COAL PRODUCTS	23.9	24.4	24.8	25.3	25.5
291	Petroleum refining	19.3	19.7	19.6	20.1	20.2
30	RUBBER AND MISC. PLASTICS PRODUCTS	251.3	253.4	269.7	270.0	269.5
301	Tires and inner tubes	11.8	11.8	12.2	12.2	12.4
302	Rubber and plastics footwear	14.3	14.3	13.8	13.5	13.2
303,4	Reclaimed rubber, and rubber and plastics hose and belting	5.9	6.0	5.8	5.8	5.6
306	Fabricated rubber products, nec	38.5	38.7	40.5	40.4	40.8
307	Miscellaneous plastics products	180.8	182.6	197.4	198.1	197.5
31	LEATHER AND LEATHER PRODUCTS	150.9	152.6	144.0	144.1	144.4
311	Leather tanning and finishing	2.9	3.1	3.1	3.1	3.0
314	Footwear, except rubber	102.6	104.4	97.1	96.8	96.7
3143	Men's footwear, except athletic	41.4	41.3	36.8	36.7	36.7
3144	Women's footwear, except athletic	40.2	41.6	40.8	40.5	40.1
316	Luggage	9.0	9.0	9.0	9.3	9.4
317	Handbags and personal leather goods	22.4	22.1	21.3	21.6	21.7
-	TRANSPORTATION AND PUBLIC UTILITIES	1,088	1,097	1,180	1,187	1,177
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	54.1	54.7	57.1	57.4	57.1
411	Local and suburban transportation	8.9	8.8	10.5	10.6	10.8
412	Taxicabs	7.2	7.4	8.0	7.8	7.7
413	Intercity highway transportation	4.5	4.5	4.6	4.6	4.6
415	School buses	31.0	31.3	31.5	31.8	31.4
42	TRUCKING AND WAREHOUSING	130.3	131.8	141.4	143.3	138.9
421,3	Trucking and trucking terminals	116.2	117.4	126.2	128.4	123.5
422	Public warehousing	14.1	14.4	15.2	14.9	15.4
44	WATER TRANSPORTATION	17.0	17.6	18.0	18.2	18.8
45	TRANSPORTATION BY AIR	119.6	120.4	127.6	128.7	118.5
451,2	Air transportation	112.8	113.6	120.1	121.2	110.9
46	PIPE LINES, EXCEPT NATURAL GAS	1.9	1.9	1.9	1.9	2.0
47	TRANSPORTATION SERVICES	71.5	72.6	78.1	79.0	79.0
48	COMMUNICATION	546.9	549.4	599.4	600.5	604.4
481	Telephone communication	482.9	485.1	528.5	528.7	532.1
483	Radio and television broadcasting	49.9	50.5	55.4	56.1	56.4
49	ELECTRIC, GAS, AND SANITARY SERVICES	129.0	129.7	136.0	136.7	137.2
491	Electric services	57.8	58.2	61.6	62.0	62.5
492	Gas production and distribution	31.7	31.9	33.2	33.2	33.4
493	Combination utility services	30.4	30.5	31.6	31.7	31.4
495	Sanitary services	4.5	4.5	4.6	4.7	4.7
-	WHOLESALE AND RETAIL TRADE	7,875	8,004	8,240	8,310	8,475
50,51	WHOLESALE TRADE	1,186	1,196	1,258	1,267	1,268
50	WHOLESALE TRADE-DURABLE GOODS	642	648	693	699	702
501	Motor vehicles and automotive equipment	84.1	85.4	91.4	91.7	92.1
502	Furniture and home furnishings	34.0	34.5	35.9	36.6	36.8
503	Lumber and construction materials	27.0	27.3	29.9	29.8	30.3
504	Sporting goods, toys, and hobby goods	21.9	22.5	22.2	21.5	20.4
505	Metals and minerals, except petroleum	23.5	24.0	26.3	26.5	26.7
506	Electrical goods	104.0	105.1	114.8	115.7	116.8
507	Hardware, plumbing, and heating equipment	60.2	60.4	65.1	66.7	66.5
508	Machinery, equipment, and supplies	240.2	240.9	259.8	263.2	265.1
509	Miscellaneous durable goods	47.3	47.5	47.7	47.5	47.5
51	WHOLESALE TRADE-NONDURABLE GOODS	544	548	565	568	566
511	Paper and paper products	38.7	38.8	38.7	39.4	40.0
512	Drugs, proprietaries, and sundries	56.3	57.2	61.0	61.2	61.8
513	Apparel, piece goods, and notions	74.4	75.5	77.2	78.1	77.6
514	Groceries and related products	144.1	144.0	137.7	140.2	137.0
516	Chemicals and allied products	28.0	28.1	29.9	30.2	30.4
517	Petroleum and petroleum products	45.0	45.1	47.4	47.1	47.3
518	Beer, wine, and distilled beverages	19.0	19.1	20.2	20.2	20.7
519	Miscellaneous nondurable goods	100.5	102.6	107.9	108.2	109.6

ESTABLISHMENT DATA WOMEN EMPLOYEES

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

[In thousands]

1972 SIC Code	Industry	Mar. 1978	Apr. 1978	Feb. 1979	Mar. 1979	Apr. 1979
52-60	RETAIL TRADE	6,689	6,808	6,982	7,043	7,207
52	BUILDING MATERIALS AND GARDEN SUPPLIES	137.2	140.9	145.0	147.2	150.2
521	Lumber and other building materials	54.2	55.2	57.3	58.0	58.8
526	Hardware stores	46.7	47.3	50.3	50.2	50.8
53	GENERAL MERCHANDISE STORES	1,497.8	1,509.8	1,508.6	1,493.6	1,498.5
531	Department stores	1,191.6	1,202.4	1,198.8	1,182.3	1,182.0
533	Variety stores	215.9	216.8	215.0	215.9	219.8
539	Misc. general merchandise stores	90.3	90.6	94.8	95.4	96.7
54	FOOD STORES	871.4	874.0	924.3	926.7	933.9
541	Grocery stores	726.9	734.1	779.8	786.6	789.8
542	Meat markets and freezer provisioners	13.4	13.0	14.9	14.9	15.1
546	Retail bakeries	69.1	68.9	68.2	69.7	70.4
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	282.9	288.4	307.1	307.1	309.3
551,2	New and used car dealers	114.8	116.1	124.8	125.4	125.9
553	Auto and home supply stores	40.7	42.3	43.6	43.1	43.6
554	Gasoline service stations	113.4	115.3	124.7	124.0	125.2
56	APPAREL AND ACCESSORY STORES	580.0	583.0	592.8	599.5	615.2
561	Men's and boys' clothing and furnishings	57.6	57.6	59.8	59.4	60.1
562	Women's ready-to-wear stores	278.3	280.2	284.0	289.3	294.1
565	Family clothing stores	112.1	113.1	114.8	115.5	119.2
568	Shoe stores	66.5	66.7	68.5	70.9	77.3
57	FURNITURE AND HOME FURNISHING STORES	180.6	181.7	190.9	193.2	193.8
571	Furniture and home furnishings	121.0	121.6	124.3	125.0	125.3
572	Household appliance stores	23.5	23.7	25.3	25.4	25.5
573	Radio, television, and music stores	36.1	36.4	41.3	42.8	43.0
58	EATING AND DRINKING PLACES	2,243.6	2,335.8	2,364.9	2,434.4	2,552.3
59	MISCELLANEOUS RETAIL	895.9	894.4	948.0	941.2	954.2
591	Drug stores and proprietary stores	281.6	283.9	306.3	306.4	310.2
592	Liquor stores	23.4	23.7	29.8	29.9	29.3
594	Miscellaneous shopping goods stores	285.8	284.2	297.5	297.5	298.4
596	Nonstore retailers	151.9	151.7	151.6	149.4	146.8
598	Fuel and ice dealers	22.6	22.0	23.4	23.5	22.9
599	Retail stores, nec	112.0	109.9	118.3	113.4	125.8
-	FINANCE, INSURANCE, AND REAL ESTATE	2,623	2,638	2,784	2,799	2,812
60	BANKING	957.9	962.4	1,017.8	1,021.6	1,026.1
602	Commercial and stock savings banks	881.1	884.7	935.8	939.2	943.7
61	CREDIT AGENCIES OTHER THAN BANKS	312.3	313.7	336.0	339.2	340.8
612	Savings and loan associations	150.9	151.7	163.3	164.6	165.7
614	Personal credit institutions	107.9	108.7	116.2	117.8	118.3
62	SECURITY, COMMODITY BROKERS, AND SERVICES	69.1	69.5	76.6	77.3	77.7
621	Security brokers and dealers	55.8	56.2	61.7	62.4	62.7
63	INSURANCE CARRIERS	689.2	692.8	730.5	734.6	738.9
631	Life insurance	269.6	269.6	275.2	276.1	278.9
632	Medical service and health insurance	99.1	99.6	103.2	103.3	102.9
633	Fire, marine, and casualty insurance	273.4	276.0	302.2	305.1	306.6
64	INSURANCE AGENTS, BROKERS, AND SERVICE	234.9	235.6	246.6	249.1	249.2
65	REAL ESTATE	294.5	298.0	306.5	307.5	308.6
651	Real estate operators and lessors	129.2	130.3	131.2	130.8	131.8
653	Real estate agents and managers	122.2	123.7	130.6	132.4	133.3
655	Subdividers and developers	26.8	27.6	27.0	27.0	25.6
66	COMBINED REAL ESTATE, INSURANCE, ETC	18.2	18.3	18.9	18.6	18.6
67	HOLDING AND OTHER INVESTMENT OFFICES	46.8	47.7	51.4	51.5	51.7
-	SERVICES	9,082	9,171	9,487	9,594	9,673
70	HOTELS AND OTHER LODGING PLACES	476.7	498.4	475.4	493.8	520.3
701	Hotels, motels, and tourist courts	459.3	481.0	458.4	476.9	503.5

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Mar. 1978	Apr. 1978	Feb. 1979	Mar. 1979	Apr. 1979
72	PERSONAL SERVICES	599.9	598.2	606.4	615.0	615.4
721	Laundry, cleaning, and garment services	219.1	220.1	217.5	219.4	219.9
723	Beauty shops	248.6	246.9	250.3	255.0	255.5
726	Funeral service and crematories	18.0	18.0	18.6	18.9	19.1
73	BUSINESS SERVICES	1,019.4	1,033.6	1,121.4	1,136.7	1,138.1
731	Advertising	60.3	60.8	68.0	68.3	68.4
732	Credit reporting and collection	63.1	64.1	64.0	64.5	64.6
733	Mailing, reproduction, stenographic	47.7	48.4	49.5	50.7	49.9
734	Services to buildings	151.2	153.6	165.2	165.8	169.1
736	Personnel supply services	216.5	221.7	238.6	247.1	245.3
737	Computer and data processing services	95.5	95.7	111.1	111.4	112.6
75	AUTO REPAIR, SERVICES, AND GARAGES	82.7	84.1	86.8	88.8	89.3
753	Automotive repair shops	36.5	36.9	37.9	38.8	39.7
76	MISCELLANEOUS REPAIR SERVICES	44.8	45.2	49.9	51.6	52.4
78	MOTION PICTURES	78.6	79.4	77.1	79.3	82.6
781	Motion picture production and services	23.9	21.9	24.5	25.2	24.3
783	Motion picture theaters	49.2	51.9	47.1	48.6	52.8
79	AMUSEMENT AND RECREATION SERVICES	232.6	251.0	234.6	244.1	267.5
80	HEALTH SERVICES	3,811.4	3,825.8	3,970.6	3,987.4	3,999.5
801	Offices of physicians	525.6	527.1	547.5	549.3	551.6
802	Offices of dentists	246.1	247.1	252.3	254.1	256.0
805	Nursing and personal care facilities	781.2	788.7	826.9	831.8	836.1
806	Hospitals	2,027.1	2,031.4	2,096.4	2,103.1	2,103.5
81	LEGAL SERVICES	294.9	295.7	315.8	316.9	315.6
82	EDUCATIONAL SERVICES	575.4	572.9	552.3	556.0	553.2
821	Elementary and secondary schools	155.2	155.6	149.9	149.8	148.3
822	Colleges and universities	362.9	359.8	342.7	345.7	344.1
83	SOCIAL SERVICES	672.4	682.7	734.1	745.2	748.3
89	MISCELLANEOUS SERVICES	255.2	255.6	277.5	282.3	282.3
891	Engineering and architectural services	85.3	86.8	93.4	94.4	95.4
893	Accounting, auditing, and bookkeeping	119.4	118.0	129.1	132.2	130.7
-	GOVERNMENT	7,364	7,398	7,428	7,481	7,512
-	FEDERAL GOVERNMENT	859	868	859	859	864
-	STATE AND LOCAL GOVERNMENT	6,505	6,530	6,569	6,622	6,648
-	State government	1,573.6	1,573.4	1,552.6	1,564.2	1,559.6
-	Hospitals	320.6	318.7	327.2	330.5	333.2
-	State education	653.1	651.3	655.3	660.0	655.5
-	General administration including executive, legislative, and judicial functions	417.3	421.3	384.1	388.5	386.8
-	Local government	4,931.4	4,956.8	5,016.1	5,058.1	5,088.3
-	Transportation and public utilities	70.9	72.0	84.7	85.6	86.0
-	Hospitals	384.9	386.7	404.1	406.0	405.9
-	Local education	3,397.0	3,405.5	3,463.4	3,493.2	3,518.4
-	General administration including executive, legislative, and judicial functions	891.3	903.0	878.3	884.8	889.4

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT**

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

(In thousands)

Industry division and group	1978							1979					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P	June ^P
TOTAL	85,996	86,033	86,149	86,163	86,573	87,036	87,281	87,524	87,818	88,263	88,248	88,516	88,613
GOODS-PRODUCING	25,473	25,501	25,463	25,471	25,670	25,872	26,030	26,111	26,199	26,412	26,351	26,409	26,404
MINING	879	882	887	887	893	903	904	905	919	922	922	923	935
CONSTRUCTION	4,278	4,317	4,298	4,298	4,341	4,368	4,397	4,381	4,385	4,526	4,507	4,584	4,612
MANUFACTURING	20,316	20,302	20,278	20,286	20,436	20,601	20,729	20,825	20,895	20,964	20,922	20,902	20,857
DURABLE GOODS	12,109	12,138	12,146	12,166	12,305	12,410	12,491	12,562	12,647	12,699	12,665	12,647	12,621
Lumber and wood products	747	743	743	744	748	759	765	770	773	768	758	755	756
Furniture and fixtures	486	485	481	480	484	487	491	494	493	491	488	483	481
Stone, clay, and glass products	701	698	692	692	696	701	707	706	709	714	711	711	707
Primary metal industries	1,197	1,199	1,205	1,214	1,220	1,235	1,240	1,241	1,251	1,254	1,253	1,247	1,247
Fabricated metal products	1,645	1,643	1,646	1,650	1,667	1,684	1,697	1,706	1,715	1,712	1,712	1,710	1,703
Machinery, except electrical	2,332	2,345	2,351	2,358	2,391	2,404	2,425	2,447	2,465	2,481	2,496	2,502	2,508
Electric and electronic equipment	1,962	1,977	1,975	1,972	1,987	2,001	2,011	2,027	2,042	2,064	2,062	2,064	2,078
Transportation equipment	1,929	1,937	1,941	1,943	1,991	2,010	2,021	2,031	2,055	2,067	2,038	2,035	1,999
Instruments and related products	654	660	661	662	665	671	676	681	686	690	693	692	696
Miscellaneous manufacturing ind.	456	451	451	451	456	458	458	459	458	458	454	448	446
NONDURABLE GOODS	8,207	8,164	8,132	8,120	8,131	8,191	8,238	8,263	8,248	8,265	8,257	8,255	8,236
Food and kindred products	1,702	1,688	1,670	1,665	1,667	1,693	1,711	1,716	1,708	1,716	1,709	1,700	1,694
Tobacco manufactures	76	73	69	70	71	71	72	72	71	73	73	74	75
Textile mill products	908	909	903	907	907	910	910	912	911	909	903	904	903
Apparel and other textile products	1,325	1,307	1,309	1,309	1,307	1,307	1,312	1,318	1,304	1,301	1,305	1,302	1,294
Paper and allied products	709	710	698	697	692	700	705	708	712	717	719	716	715
Printing and publishing	1,186	1,187	1,188	1,178	1,185	1,198	1,203	1,209	1,214	1,219	1,219	1,223	1,228
Chemicals and allied products	1,091	1,091	1,089	1,088	1,089	1,093	1,097	1,099	1,098	1,098	1,101	1,106	1,107
Petroleum and coal products	209	207	209	209	210	210	211	211	212	214	214	213	211
Rubber and misc. plastic products	749	749	746	744	752	761	771	773	777	778	776	777	771
Leather and leather products	252	243	251	253	251	248	246	245	241	240	238	240	238
SERVICE-PRODUCING	60,523	60,532	60,686	60,692	60,903	61,164	61,251	61,413	61,619	61,851	61,897	62,107	62,209
TRANSPORTATION AND PUBLIC UTILITIES	4,881	4,827	4,846	4,855	4,922	4,947	^c 4,967	4,974	5,001	5,025	4,935	5,031	5,074
WHOLESALE AND RETAIL TRADE ..	19,412	19,469	19,523	19,546	19,632	19,701	19,697	19,817	19,883	19,945	19,959	19,978	19,968
WHOLESALE TRADE	4,905	4,901	4,905	4,917	4,945	4,968	4,995	5,020	5,035	5,055	5,062	5,076	5,089
RETAIL TRADE	14,507	14,568	14,618	14,629	14,687	14,733	14,702	14,797	14,848	14,890	14,897	14,902	14,879
FINANCE, INSURANCE, AND REAL ESTATE	4,670	4,690	4,707	4,719	4,737	4,774	4,789	4,809	4,829	4,839	4,853	4,868	4,876
SERVICES	15,963	15,989	16,074	16,127	16,169	16,270	16,327	16,352	16,438	16,535	16,575	16,617	16,670
GOVERNMENT	15,597	15,557	15,536	15,445	15,443	15,472	15,471	15,461	15,468	15,507	15,575	15,613	15,621
FEDERAL	2,772	2,765	2,765	2,752	2,760	2,757	2,734	2,755	2,755	2,754	2,756	2,770	2,776
STATE AND LOCAL	12,825	12,792	12,771	12,693	12,683	12,715	12,737	12,706	12,713	12,753	12,819	12,843	12,845

^p=preliminary.

^c=corrected.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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

[In thousands]

Industry division and group	1978									1979			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
TOTAL	34,755	34,921	35,077	35,099	35,170	35,256	35,381	35,622	35,758	35,953	36,069	36,191	36,369
GOODS-PRODUCING	6,545	6,568	6,592	6,584	6,587	6,594	6,645	6,703	6,754	6,803	6,815	6,844	6,858
MINING	73	73	75	77	77	78	79	80	81	82	82	84	86
CONSTRUCTION	328	329	334	337	338	377	339	339	340	344	350	353	358
MANUFACTURING	6,114	6,166	6,183	6,170	6,172	6,179	6,227	6,284	6,333	6,377	6,383	6,407	6,414
DURABLE GOODS	2,831	2,848	2,862	2,870	2,875	2,887	2,924	2,954	2,982	3,005	3,033	3,055	3,056
Lumber and wood products	105	106	107	106	106	106	108	110	111	112	113	114	113
Furnitures and fixtures	141	142	141	142	141	141	142	143	144	146	146	144	144
Stone, clay, and glass products	130	130	129	129	130	130	130	131	133	132	133	135	134
Primary metal industries	115	117	120	121	122	124	125	126	128	129	130	131	132
Fabricated metal products	336	339	339	336	337	338	343	346	350	353	355	357	356
Machinery, except electrical	426	429	433	437	437	441	448	450	457	461	466	471	477
Electric and electronic equipment	813	815	818	823	823	821	831	838	845	852	861	871	870
Transportation equipment	280	284	285	286	286	291	300	308	311	314	321	322	318
Instruments and related products	271	273	277	279	281	282	282	285	287	290	293	294	297
Miscellaneous manufacturing ind.	214	213	213	211	212	213	215	217	216	216	215	216	215
NONDURABLE GOODS	3,313	3,318	3,321	3,300	3,297	3,292	3,303	3,330	3,351	3,372	3,350	3,352	3,358
Food and kindred products	485	480	485	482	469	467	417	485	495	501	495	496	496
Tobacco manufactures	27	28	27	27	24	25	26	26	27	27	26	27	27
Textile mill products	429	430	429	430	428	429	430	430	431	431	430	430	428
Apparel and other textile products	1,078	1,076	1,074	1,059	1,064	1,064	1,061	1,061	1,064	1,070	1,057	1,053	1,056
Paper and allied products	159	161	160	159	159	158	157	159	160	162	162	164	165
Printing and publishing	447	451	452	452	456	455	459	464	466	472	473	475	476
Chemicals and allied products	253	256	256	258	257	257	258	261	263	265	264	265	265
Petroleum and coal products	25	25	25	25	25	25	25	25	25	25	25	25	25
Rubber and misc. plastics products	257	258	260	260	262	258	262	268	271	271	272	272	274
Leather and leather products	153	153	153	148	153	154	154	151	149	148	146	145	145
SERVICE-PRODUCING	28,210	28,353	28,485	28,515	28,583	28,662	28,736	28,919	29,004	29,150	29,254	29,347	29,511
TRANSPORTATION AND PUBLIC UTILITIES	1,104	1,102	1,115	1,117	1,127	1,131	1,145	1,150	1,158	1,177	1,186	1,193	1,184
WHOLESALE AND RETAIL TRADE ..	8,138	8,188	8,225	8,258	8,303	8,322	8,354	8,389	8,372	8,467	8,511	8,523	8,575
WHOLESALE TRADE	1,207	1,210	1,217	1,215	1,216	1,222	1,242	1,250	1,260	1,267	1,268	1,277	1,280
RETAIL TRADE	6,931	6,978	7,008	7,043	7,087	7,100	7,112	7,139	7,112	7,200	1,243	7,246	7,295
FINANCE, INSURANCE, AND REAL ESTATE	2,646	2,658	2,679	2,696	2,709	2,720	2,742	2,764	2,778	2,793	2,798	2,807	2,820
SERVICES	9,144	9,176	9,220	9,260	9,315	9,333	9,354	9,440	9,506	9,529	9,564	9,623	9,644
GOVERNMENT	7,178	7,229	7,246	7,184	7,129	7,156	7,141	7,176	7,190	7,184	7,195	7,201	7,288
FEDERAL	863	882	874	879	880	877	878	874	859	862	860	858	859
STATE AND LOCAL	6,315	6,347	6,372	6,305	6,249	6,279	6,263	6,302	6,331	6,322	6,335	6,343	6,429

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

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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

[In thousands]

Industry division and group	1978							1979					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^p	June ^p
TOTAL PRIVATE	57,653	57,710	57,771	57,861	58,151	58,576	58,780	58,914	59,157	59,514	59,391	59,604	59,664
GOODS-PRODUCING	18,660	18,675	18,619	18,629	18,795	18,974	19,114	19,151	19,214	19,395	19,322	19,367	19,353
MINING	663	667	668	671	675	683	682	687	694	694	693	693	695
CONSTRUCTION	3,401	3,439	3,419	3,422	3,465	3,488	3,513	3,468	3,473	3,613	3,594	3,670	3,691
MANUFACTURING	14,596	14,569	14,532	14,536	14,655	14,803	14,919	14,996	15,047	15,088	15,035	15,004	14,967
DURABLE GOODS	8,683	8,694	8,693	8,706	8,816	8,909	8,985	9,034	9,100	9,131	9,090	9,059	9,034
Lumber and wood products	641	637	636	636	641	649	654	658	660	658	648	643	646
Furniture and fixtures	400	398	394	395	398	400	403	405	404	402	399	395	392
Stone, clay, and glass products	558	554	549	548	551	556	561	560	562	566	563	561	560
Primary metal industries	939	942	947	953	960	976	981	981	991	992	990	983	985
Fabricated metal products	1,250	1,245	1,245	1,248	1,264	1,280	1,291	1,295	1,305	1,301	1,298	1,295	1,289
Machinery, except electrical	1,533	1,547	1,544	1,550	1,576	1,581	1,603	1,615	1,630	1,638	1,649	1,647	1,652
Electric and electronic equipment	1,284	1,293	1,293	1,290	1,301	1,312	1,320	1,334	1,345	1,362	1,359	1,358	1,365
Transportation equipment	1,327	1,328	1,336	1,337	1,370	1,393	1,407	1,415	1,429	1,437	1,412	1,411	1,376
Instruments and related products	402	407	405	406	408	412	416	420	424	425	426	425	429
Miscellaneous manufacturing ind.	349	343	344	343	347	350	349	351	350	350	346	341	340
NONDURABLE GOODS	5,913	5,875	5,839	5,830	5,839	5,894	5,934	5,962	5,947	5,957	5,945	5,945	5,933
Food and kindred products	1,152	1,142	1,124	1,122	1,122	1,148	1,166	1,174	1,165	1,175	1,170	1,162	1,154
Tobacco manufactures	61	58	54	56	57	56	58	58	57	58	58	60	61
Textile mill products	792	791	785	790	790	795	793	795	793	790	785	787	787
Apparel and other textile products	1,137	1,121	1,127	1,124	1,123	1,123	1,124	1,131	1,119	1,114	1,116	1,114	1,105
Paper and allied products	535	535	523	522	519	525	531	534	538	543	544	543	542
Printing and publishing	668	669	667	657	663	672	676	681	685	689	688	692	695
Chemicals and allied products	628	628	623	624	624	627	630	632	632	630	632	632	638
Petroleum and coal products	136	135	136	137	137	138	139	139	140	141	140	140	142
Rubber and misc. plastics products	587	587	584	581	589	598	607	609	613	613	610	611	606
Leather and leather products	217	209	216	217	215	212	210	209	205	204	202	204	203
SERVICE-PRODUCING	38,993	39,035	39,152	39,232	39,356	39,602	39,666	39,763	39,943	40,119	40,069	40,237	40,311
TRANSPORTATION AND PUBLIC UTILITIES	4,109	4,051	4,066	4,064	4,129	4,150	4,155	4,168	4,186	4,204	4,120	4,218	4,245
WHOLESALE AND RETAIL TRADE ..	17,106	17,165	17,214	17,228	17,288	17,372	17,355	17,430	17,502	17,554	17,553	17,569	17,551
WHOLESALE TRADE	4,043	4,040	4,042	4,053	4,075	4,093	4,109	4,127	4,144	4,163	4,167	4,174	4,188
RETAIL TRADE	13,063	13,125	13,172	13,175	13,213	13,279	13,246	13,303	13,358	13,391	13,386	13,395	13,363
FINANCE, INSURANCE, AND REAL ESTATE	3,546	3,565	3,579	3,591	3,603	3,635	3,644	3,663	3,672	3,681	3,694	3,704	3,717
SERVICES	14,232	14,254	14,293	14,349	14,336	14,445	14,512	14,502	14,583	14,680	14,702	14,746	14,798

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

^p=preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1976				
January.....	78.2	85.8	87.2	85.2
February.....	72.4	84.9	85.8	84.0
March.....	69.5	81.4	82.0	85.2
April.....	70.1	72.4	75.6	78.8
May.....	58.1	67.2	68.3	82.6
June.....	57.8	65.1	71.2	79.9
July.....	58.4	57.8	63.1	78.5
August.....	49.1	64.0	65.1	77.6
September.....	64.8	53.8	66.3	80.2
October.....	47.1	65.1	73.3	80.8
November.....	67.4	64.2	78.8	80.8
December.....	66.6	81.4	81.4	82.6
1977				
January.....	76.2	83.1	88.1	78.8
February.....	66.0	86.3	87.8	80.5
March.....	74.7	81.1	85.2	80.2
April.....	68.0	79.4	79.4	84.6
May.....	64.8	76.2	75.9	84.0
June.....	71.2	68.0	72.1	83.1
July.....	59.3	63.4	69.8	82.6
August.....	51.7	58.7	74.1	83.7
September.....	60.8	62.5	72.1	82.6
October.....	60.5	73.8	77.9	81.1
November.....	73.8	75.3	82.0	81.1
December.....	72.1	79.7	83.1	80.8
1978				
January.....	69.8	80.2	85.5	80.5
February.....	70.3	80.2	79.9	79.1
March.....	70.1	75.9	77.9	77.6
April.....	62.8	67.4	68.9	78.5
May.....	56.4	63.7	67.7	80.5
June.....	67.2	62.5	59.6	82.6
July.....	54.9	57.0	61.3	82.0
August.....	51.7	49.7	74.4	77.6
September.....	57.6	58.7	77.9	75.3
October.....	70.6	75.6	83.1	72.4
November.....	80.2	85.5	84.6	75.9p
December.....	79.7	87.2	86.0	68.3p
1979				
January.....	74.1	82.3	81.7	
February.....	65.1	77.9	68.0p	
March.....	62.5	58.4	60.8p	
April.....	44.2	53.2p		
May.....	46.2p	48.5p		
June.....	53.8p			
July.....				
August.....				
September.....				
October.....				
November.....				
December.....				

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

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P
1 ALABAMA	1,335.5	1,354.0	1,355.9	15.6	15.8	15.9	80.5	76.4	78.8	364.9	364.9	361.4
2 Birmingham	350.3	356.6	357.2	8.8	9.0	9.0	24.6	21.9	22.4	68.6	69.5	69.2
3 Huntsville	118.1	119.4	120.5	(1)	(1)	(1)	4.2	4.1	4.2	35.0	35.7	35.9
4 Mobile	147.0	149.1	147.4	(1)	(1)	(1)	11.9	13.2	13.1	30.8	30.4	28.7
5 Montgomery	102.0	106.3	107.0	(1)	(1)	(1)	6.6	7.4	7.8	15.8	16.1	16.1
6 Tuscaloosa	49.2	49.8	49.7	1.1	1.1	1.2	3.0	3.0	3.1	9.1	9.1	9.1
7 ALASKA	165.2	157.8	162.4	5.9	5.5	5.6	12.6	8.1	9.4	11.7	10.0	11.3
8 ARIZONA	877.6	954.2	953.0	19.2	20.5	20.7	67.1	79.0	79.1	122.8	136.6	137.3
9 Phoenix	540.8	593.9	593.8	.2	.2	.2	41.6	51.7	52.1	90.3	100.8	101.5
10 Tucson	159.2	172.7	171.7	5.9	6.4	6.5	11.7	13.7	13.6	14.6	18.0	18.1
11 ARKANSAS	730.1	737.4	748.3	4.8	4.9	5.1	38.6	37.0	39.1	217.8	215.9	216.2
12 Fayetteville-Springdale	60.2	61.9	62.5	(1)	(1)	(1)	3.2	3.1	3.3	18.1	18.4	18.7
13 Fort Smith	68.0	67.1	67.3	.8	.8	.8	2.8	3.1	3.2	25.8	24.1	23.9
14 Little Rock-North Little Rock	173.8	174.8	176.7	(1)	(1)	(1)	9.4	8.9	9.4	32.5	31.0	31.2
15 Pine Bluff	31.7	30.9	31.0	(1)	(1)	(1)	2.2	1.8	2.1	6.5	6.3	6.3
16 CALIFORNIA	9,213.1	9,540.0	9,600.5	36.7	38.1	38.4	414.1	431.5	439.0	1,840.0	1,949.2	1,958.8
17 Anaheim-Santa Ana-Garden Grove	747.1	803.1	806.2	2.2	2.3	2.3	46.2	48.8	49.4	193.8	211.5	212.3
18 Bakersfield	119.7	122.7	123.9	9.9	10.3	10.4	6.7	7.1	7.3	8.9	9.5	9.6
19 Fresno	175.3	181.3	183.6	.8	.9	.9	11.2	12.0	12.9	22.0	23.4	24.0
20 Los Angeles-Long Beach	3,432.6	3,549.4	3,560.9	11.2	11.4	11.5	107.2	111.5	112.6	870.3	920.0	922.9
21 Modesto	82.3	86.3	86.2	.1	.1	.1	5.9	6.1	6.4	16.8	18.4	18.1
22 Oxnard-Simi Valley-Ventura	138.0	141.8	142.1	2.3	2.4	2.4	6.9	7.4	7.5	20.1	21.5	21.5
23 Riverside-San Bernardino-Ontario	412.5	429.6	432.0	2.5	2.4	2.4	26.7	28.8	29.1	62.6	65.8	66.3
24 Sacramento	378.4	390.3	393.4	.4	.4	.4	21.3	22.7	24.0	25.9	27.1	27.1
25 Salinas-Seaside-Monterey	85.4	86.1	87.4	.6	.6	.6	3.6	3.6	3.6	9.7	10.2	10.9
26 San Diego	594.7	624.4	628.4	.6	.7	.7	37.8	40.3	41.3	87.0	95.5	97.0
27 San Francisco-Oakland	1,480.7	1,511.1	1,525.7	1.8	2.0	2.0	67.1	69.7	71.5	197.2	204.0	205.9
28 San Jose	581.8	612.6	616.2	.1	.1	.1	22.9	23.1	23.8	190.4	212.5	213.3
29 Santa Barbara-Santa Maria-Lompoc	115.3	116.0	116.0	1.0	1.1	1.1	4.8	4.9	4.9	15.0	15.2	15.3
30 Santa Rosa	83.5	84.5	86.2	.4	.4	.4	5.1	4.7	5.1	12.2	13.5	13.7
31 Stockton	115.0	116.6	118.8	.1	.1	.1	5.9	6.1	6.4	19.1	18.7	19.6
32 Vallejo-Fairfield-Napa	96.9	98.1	99.2	.3	.3	.3	4.5	4.7	5.0	9.8	10.4	10.5
33 COLORADO	1,125.0	1,167.6	1,175.3	26.8	29.3	29.7	69.4	71.7	75.1	163.1	173.9	176.5
34 Denver-Boulder	717.2	739.3	745.7	14.7	16.5	16.7	42.7	45.8	47.7	113.2	119.8	120.2
35 CONNECTICUT	1,352.2	1,389.9	1,399.1	(2)	(2)	(2)	48.8	46.7	50.3	418.9	435.8	432.1
36 Bridgeport	159.5	163.2	163.0	(2)	(2)	(2)	4.9	5.7	6.0	62.8	65.9	65.8
37 Hartford	370.0	382.1	384.1	(2)	(2)	(2)	12.3	12.2	13.1	87.3	92.6	92.7
38 New Britain	60.8	61.9	60.1	(2)	(2)	(2)	2.2	1.9	2.1	28.6	29.6	27.3
39 New Haven-West Haven	189.3	190.4	192.2	(2)	(2)	(2)	6.3	5.8	6.3	45.4	45.5	45.7
40 Stamford	102.1	105.4	106.6	(2)	(2)	(2)	4.7	4.9	5.1	30.1	30.9	30.9
41 Waterbury	86.3	89.0	89.3	(2)	(2)	(2)	3.1	3.1	3.3	32.7	33.4	33.0
42 DELAWARE	248.9	249.0	250.7	(1)	(1)	(1)	14.9	14.4	14.9	69.9	68.3	68.5
43 Wilmington	220.3	217.9	218.8	(1)	(1)	(1)	15.4	13.3	13.8	65.0	63.9	63.7
44 DISTRICT OF COLUMBIA	590.6	592.3	594.6	(1)	(1)	(1)	14.4	14.1	14.4	15.0	15.1	15.1
45 Washington SMSA	1,453.1	1,475.0	1,483.6	(1)	(1)	(1)	77.4	76.1	77.0	52.2	52.9	53.0
46 FLORIDA	3,124.7	3,276.4	3,263.7	9.3	9.7	9.6	202.2	212.9	218.2	416.2	445.2	448.3
47 Daytona Beach	69.8	75.1	74.1	(1)	(1)	(1)	3.9	4.2	4.3	7.1	8.0	8.1
48 Fort Lauderdale-Hollywood	288.2	301.2	297.3	(1)	(1)	(1)	21.9	23.6	23.3	35.4	37.4	37.4
49 Gainesville	61.7	62.2	61.8	(1)	(1)	(1)	3.2	3.2	3.1	4.2	3.9	3.8
50 Jacksonville	275.7	280.7	282.4	(1)	(1)	(1)	14.8	14.8	14.9	31.3	32.1	32.2
51 Miami	644.2	665.0	662.9	(1)	(1)	(1)	30.4	30.2	32.4	95.3	96.6	96.5
52 Orlando	246.8	264.1	263.9	(1)	(1)	(1)	15.0	15.9	15.8	31.0	34.3	34.5
53 Pensacola	93.3	94.9	94.9	(1)	(1)	(1)	6.2	6.5	6.6	13.2	13.4	13.3
54 Sarasota	61.5	63.9	63.2	(1)	(1)	(1)	6.1	6.4	6.3	5.8	6.8	6.8
55 Tallahassee	67.5	68.9	69.1	(1)	(1)	(1)	3.1	3.3	3.3	2.4	2.5	2.5
56 Tampa-St. Petersburg	477.4	490.9	489.8	(1)	(1)	(1)	31.1	32.3	32.2	65.9	68.6	69.4
57 West Palm Beach-Boca Raton	169.0	183.5	180.6	(1)	(1)	(1)	14.0	16.3	16.2	21.9	25.0	25.1
58 GEORGIA	1,994.6	2,021.4	2,024.0	7.4	7.8	7.7	98.5	95.6	95.3	509.4	517.3	517.5
59 Albany	40.3	44.1	44.2	(1)	(1)	(1)	3.0	4.7	4.6	10.0	11.3	11.3
60 Atlanta	855.1	865.0	865.4	(1)	(1)	(1)	38.8	36.8	37.1	135.7	138.0	137.5
61 Augusta	115.6	120.7	120.8	(1)	(1)	(1)	7.6	6.6	6.8	35.4	36.3	36.4
62 Columbus	80.5	80.8	80.9	(1)	(1)	(1)	4.9	4.7	4.5	20.0	20.7	20.7
63 Macon	94.5	94.2	94.1	(1)	(1)	(1)	4.4	4.3	4.3	15.2	14.1	14.0

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			
MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	
68.8	71.5	71.4	266.6	274.4	274.9	57.4	58.5	58.8	191.5	196.3	197.6	290.2	296.2	297.1	1
27.4	28.7	28.8	83.3	86.4	86.7	22.6	22.9	23.0	62.0	64.8	64.8	53.0	53.4	53.3	2
2.6	2.7	2.7	21.5	22.3	22.4	3.5	3.5	3.5	17.7	17.6	17.8	33.6	33.5	34.0	3
10.7	11.3	10.9	35.8	36.1	36.2	6.9	7.2	7.2	26.7	26.6	27.1	24.2	24.3	24.2	4
4.8	4.9	5.0	24.0	24.4	24.5	5.9	6.0	6.0	18.1	19.0	19.0	26.8	28.5	28.6	5
1.8	1.7	1.7	9.5	9.5	9.4	1.7	1.6	1.7	5.7	6.1	5.9	17.3	17.7	17.6	6
16.5	15.9	16.5	28.9	27.6	28.1	7.9	7.5	7.5	27.8	26.9	27.8	53.9	56.3	56.2	7
44.1	47.5	47.7	211.7	228.7	228.3	48.9	51.9	52.1	167.7	186.6	185.1	196.1	203.4	202.7	8
26.3	28.5	28.6	141.0	153.7	153.4	37.6	39.6	39.8	106.2	117.7	116.7	97.6	101.7	101.5	9
7.9	8.6	8.6	36.0	38.0	37.8	6.9	7.5	7.5	33.1	36.0	35.7	43.1	44.5	43.9	10
40.3	38.9	43.4	157.1	161.1	163.4	30.6	31.2	31.4	104.2	110.8	111.5	136.7	137.6	138.2	11
3.2	3.3	3.4	14.4	14.7	14.7	2.2	2.2	2.2	7.8	8.6	8.6	11.3	11.6	11.6	12
3.3	3.2	3.4	14.5	14.7	14.7	2.3	2.5	2.5	10.8	11.0	11.0	7.7	7.7	7.8	13
12.1	12.0	12.5	40.0	40.9	41.4	12.0	12.1	12.1	31.3	33.4	33.6	36.5	36.5	36.5	14
3.7	3.7	3.8	6.1	6.1	6.0	1.2	1.2	1.2	4.7	4.7	4.7	7.3	7.1	6.9	15
501.8	502.1	513.5	2,113.8	2,227.1	2,247.6	547.0	579.4	583.2	1,923.0	2,080.3	2,087.7	1,836.7	1,732.3	1,732.3	16
22.9	25.7	26.0	179.2	195.5	196.5	46.1	51.4	51.7	147.6	162.4	162.5	109.1	105.5	105.5	17
6.9	7.3	7.5	30.6	31.2	31.5	4.4	4.5	4.6	20.3	21.2	21.3	32.0	31.6	31.7	18
9.7	10.1	10.3	45.3	47.4	48.2	9.5	9.8	10.0	33.7	34.9	35.0	43.1	42.8	42.3	19
186.5	193.5	195.2	782.5	819.5	824.9	210.5	216.8	217.4	751.3	796.2	795.1	513.1	480.5	481.3	20
3.6	3.6	3.6	19.6	21.4	21.7	2.8	3.1	3.1	15.4	16.5	16.4	18.1	17.1	16.8	21
6.0	6.1	6.2	33.2	34.3	34.5	5.8	6.1	6.1	25.5	27.1	27.3	38.2	36.9	36.6	22
21.3	22.4	22.8	98.0	104.1	105.3	16.8	17.5	17.6	84.0	89.4	88.9	100.6	99.2	99.6	23
19.4	21.0	21.2	84.0	89.4	90.1	18.3	20.0	20.2	66.8	72.7	73.2	142.3	137.0	137.2	24
4.8	4.7	4.8	21.5	21.8	22.1	3.8	3.9	4.0	18.2	18.5	18.6	23.2	22.8	22.8	25
25.8	26.4	26.9	136.9	147.6	148.1	32.7	34.9	34.9	129.6	138.2	138.3	144.3	140.8	141.2	26
123.3	110.2	117.7	338.4	357.0	359.5	130.7	136.5	137.3	315.8	337.2	337.0	306.4	294.5	294.8	27
19.3	20.4	20.5	112.0	117.2	118.1	23.2	24.5	24.9	127.6	134.0	134.7	86.3	80.8	80.8	28
4.2	4.3	4.3	29.7	30.3	30.2	4.8	4.9	4.9	28.8	30.4	30.4	27.0	24.9	24.9	29
4.0	4.1	4.2	19.9	20.3	20.9	5.1	5.3	5.3	16.0	16.3	16.5	20.8	19.9	20.1	30
7.7	8.0	8.0	26.3	27.2	27.9	4.7	5.0	5.0	22.2	23.7	23.9	29.0	27.8	27.9	31
4.3	4.2	4.3	19.3	20.2	20.5	3.3	3.5	3.5	17.3	17.7	17.9	38.1	37.1	37.2	32
67.7	69.4	70.1	281.6	288.5	289.2	67.0	70.6	71.0	227.9	241.7	240.3	221.5	222.4	223.4	33
47.0	47.7	48.4	179.7	182.2	182.9	47.9	49.9	50.3	149.0	155.4	157.1	123.1	122.1	122.4	34
58.5	58.7	59.9	284.3	290.7	294.8	94.9	98.2	98.8	263.2	272.3	276.1	183.6	187.5	187.1	35
5.9	6.1	6.2	32.5	32.6	32.0	6.6	6.5	6.6	30.3	29.6	29.7	16.6	16.9	16.8	36
14.6	15.1	15.2	77.4	79.6	80.5	54.1	56.3	56.1	71.6	74.1	74.5	52.8	52.1	52.0	37
1.4	1.5	1.5	10.5	10.5	10.6	1.6	1.7	1.7	9.3	9.7	9.8	7.0	7.0	7.0	38
15.4	15.3	15.4	39.6	40.1	40.6	10.1	10.6	10.6	45.6	46.1	46.6	27.0	27.1	27.1	39
3.6	3.7	3.8	23.5	24.2	24.5	7.0	7.3	7.4	23.6	24.6	25.1	9.6	9.9	9.9	40
3.0	3.1	3.1	15.6	15.8	16.0	3.1	3.2	3.2	17.5	18.9	19.1	11.3	11.6	11.6	41
12.6	13.0	13.0	54.3	54.2	54.5	11.2	11.4	11.5	42.0	42.7	43.3	44.1	45.0	45.1	42
12.2	12.3	12.3	44.2	44.0	43.9	10.2	10.1	10.2	37.0	38.0	38.6	36.3	36.4	36.4	43
25.4	25.7	25.8	64.5	65.6	65.9	33.4	33.8	33.9	160.1	163.2	163.5	277.8	274.8	276.0	44
63.9	64.0	64.7	278.8	285.0	286.8	84.5	86.4	87.8	359.9	372.0	374.7	536.4	538.6	539.6	45
192.6	204.2	204.8	807.8	836.8	825.3	215.5	234.0	234.6	673.1	711.8	705.2	608.0	621.7	617.7	46
2.6	2.9	2.8	20.2	21.1	20.5	3.9	4.2	4.2	18.8	20.4	20.1	13.3	14.3	14.1	47
14.2	15.1	14.9	82.8	85.8	83.9	23.5	25.3	25.0	67.7	71.6	69.7	42.7	42.4	43.1	48
1.5	1.5	1.5	12.9	12.1	11.8	2.5	2.7	2.7	8.1	8.4	8.4	29.3	30.5	30.5	49
22.4	22.4	23.1	71.9	72.8	72.9	27.3	28.1	28.1	53.8	55.2	55.5	54.2	55.3	55.7	50
60.9	67.9	68.3	165.1	167.7	166.0	46.2	48.9	48.9	154.8	161.2	158.2	91.5	92.5	92.6	51
11.9	12.9	12.9	69.1	73.0	73.2	15.9	17.7	17.9	63.5	68.6	68.3	40.4	41.7	41.3	52
4.8	5.0	5.0	21.8	22.3	22.3	4.2	4.2	4.3	17.7	17.8	18.1	25.4	25.7	25.3	53
2.7	2.7	2.7	17.8	18.5	18.1	4.7	4.8	4.8	15.2	15.0	14.8	9.2	9.7	9.7	54
2.2	2.3	2.2	13.6	13.7	13.7	3.1	3.1	3.1	9.0	9.7	9.8	34.1	34.3	34.5	55
27.6	28.2	28.3	133.2	135.8	134.7	33.9	36.2	36.5	106.4	111.7	110.8	79.3	78.1	77.9	56
7.4	7.9	8.0	43.8	47.2	46.0	13.2	14.2	14.2	38.9	42.2	40.4	29.8	30.7	30.7	57
126.6	126.5	128.3	456.7	463.0	463.5	101.6	104.7	105.0	299.1	304.4	304.4	395.1	402.1	402.2	58
1.8	1.9	1.9	9.2	9.5	9.6	1.7	1.8	1.8	5.0	4.7	4.8	9.7	10.2	10.2	59
75.9	76.4	78.6	238.4	239.2	238.4	58.7	60.6	60.8	158.7	160.0	159.5	149.0	154.2	153.5	60
4.1	4.2	4.2	20.7	25.0	24.6	4.2	4.3	4.3	14.7	15.8	15.9	29.0	28.6	28.6	61
3.3	3.4	3.4	17.4	17.3	17.5	5.1	5.3	5.3	10.8	10.4	10.5	19.0	19.0	18.9	62
4.5	4.5	4.6	19.6	19.7	19.7	5.8	5.7	5.7	15.0	15.0	14.9	30.0	30.9	30.9	63

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P
GEORGIA—Continued												
1 Savannah	84.3	84.0	83.8	(1)	(1)	(1)	6.0	5.4	5.5	16.9	16.8	16.4
HAWAII												
2 Honolulu	373.0	380.5	380.0	(1)	(1)	(1)	20.1	21.9	21.7	23.3	22.8	23.4
3 Honolulu	309.5	315.0	314.6	(1)	(1)	(1)	16.9	18.2	18.1	17.3	16.8	17.4
IDAHO												
4 Boise City	325.5	337.8	341.7	3.8	3.9	4.0	19.9	18.4	18.8	56.7	56.9	58.8
5 Boise City	79.3	84.2	86.0	(1)	(1)	(1)	6.7	6.4	6.9	9.0	9.5	10.0
ILLINOIS												
6 Bloomington-Normal	4,740.8	4,822.5	4,840.4	27.8	27.6	27.6	174.8	164.5	173.9	1,226.1	1,245.9	1,243.4
7 Champaign-Urbana-Rantoul	48.0	49.2	48.8	(2)	(2)	(2)	1.5	1.3	1.4	6.5	6.6	6.5
8 Chicago-Gary	69.9	72.3	68.5	(2)	(2)	(2)	2.7	2.7	2.9	7.6	7.9	7.9
9 Chicago SMSA ³	3,387.6	3,456.0	(*)	4.9	5.0	(*)	141.1	139.6	(*)	934.4	951.1	(*)
10 Davenport Rock Island-Moline	3,132.1	3,197.4	3,212.1	4.8	4.9	4.9	124.7	123.7	127.2	832.3	845.9	849.0
11 Decatur	151.7	162.8	162.4	(2)	(2)	(2)	7.2	7.0	7.1	41.1	50.3	50.3
12 Kankakee	54.2	55.2	55.4	(2)	(2)	(2)	2.9	3.1	3.2	19.1	19.4	19.4
13 Peoria	33.9	33.6	33.4	(2)	(2)	(2)	1.1	1.0	1.0	10.3	10.0	9.6
14 Rockford	149.3	151.0	151.7	(2)	(2)	(2)	8.4	8.7	8.9	51.5	51.2	51.4
15 Springfield	118.5	121.9	122.7	(2)	(2)	(2)	3.4	3.0	3.3	53.7	56.9	57.1
16 Terre Haute	83.6	83.2	83.5	(2)	(2)	(2)	3.9	3.8	3.9	8.8	7.8	7.7
INDIANA												
17 Anderson	2,197.0	2,229.1	2,251.4	9.8	10.1	10.2	97.7	103.2	110.6	736.8	747.7	750.9
18 Evansville	53.6	52.4	52.9	(1)	(1)	(1)	1.1	1.0	1.1	26.3	25.1	25.4
19 Fort Wayne	127.2	122.8	124.3	2.5	2.4	2.5	7.6	5.5	5.8	41.0	39.1	39.2
20 Gary-Hammond-East Chicago ³	173.9	177.6	179.8	(1)	(1)	(1)	7.0	7.1	7.7	60.9	63.4	63.9
21 Indianapolis	257.7	260.8	263.6	(1)	(1)	(1)	16.4	15.9	16.9	102.1	105.5	106.2
22 Lafayette-West Lafayette	508.5	507.6	520.6	(1)	(1)	(1)	18.7	16.9	18.5	129.0	129.7	132.4
23 Muncie	54.0	58.6	55.6	(1)	(1)	(1)	2.0	1.9	2.0	12.6	12.5	12.4
24 South Bend	49.3	50.2	50.7	(1)	(1)	(1)	1.8	1.8	2.0	14.0	14.7	14.8
25 Terre Haute	111.7	112.9	114.0	(1)	(1)	(1)	4.7	4.6	4.7	33.9	34.4	34.5
26 Terre Haute	62.7	64.0	63.4	1.3	1.5	1.5	2.3	2.5	2.6	17.4	16.8	16.8
IOWA												
27 Cedar Rapids	1,113.1	1,129.8	1,142.6	2.4	2.2	2.4	58.8	54.8	58.9	247.9	258.3	260.5
28 Des Moines	82.1	85.1	85.7	(1)	(1)	(1)	4.0	4.0	3.7	28.1	30.0	30.7
29 Dubuque	180.3	180.5	181.6	(1)	(1)	(1)	8.9	7.5	8.2	25.5	26.4	26.2
30 Sioux City	44.2	44.7	44.8	(1)	(1)	(1)	2.0	1.9	1.6	16.8	17.4	17.5
31 Waterloo-Cedar Falls	52.1	50.8	50.7	(1)	(1)	(1)	4.1	3.2	3.3	10.3	9.4	8.9
32 Waterloo-Cedar Falls	65.1	68.0	68.7	(1)	(1)	(1)	3.0	2.6	2.9	21.8	23.2	23.3
KANSAS												
33 Lawrence	918.7	943.5	951.4	12.5	12.5	12.8	47.2	48.7	51.5	184.8	199.8	199.8
34 Topeka	26.7	27.9	28.1	(2)	(2)	(2)	1.2	1.2	1.4	4.2	4.6	4.6
35 Wichita	85.0	86.7	86.8	.3	.3	.3	3.7	3.8	3.9	11.8	12.2	12.2
36 Wichita	190.4	202.8	203.8	2.1	2.0	2.1	9.9	11.2	11.7	57.7	66.2	66.0
KENTUCKY												
37 Lexington-Fayette	1,232.2	1,272.1	1,288.8	58.8	58.8	60.3	70.9	68.5	73.9	286.7	293.7	295.4
38 Louisville	140.9	151.8	152.4	(1)	(1)	(1)	8.1	8.8	9.2	29.6	30.8	30.6
39 Owensboro	392.8	411.4	413.7	(1)	(1)	(1)	20.2	20.7	21.1	107.4	111.0	110.3
40 Owensboro	30.3	31.4	32.1	.9	.7	.8	2.3	2.3	2.5	7.1	6.9	7.1
LOUISIANA												
41 Alexandria	1,412.2	1,436.5	1,435.4	71.6	75.4	76.2	115.9	121.8	119.8	204.7	207.5	209.2
42 Baton Rouge	50.7	51.1	51.6	(1)	(1)	(1)	3.4	3.1	3.3	6.3	6.2	6.3
43 Lafayette	187.6	187.1	185.8	.9	.9	1.0	24.5	24.5	22.8	24.7	24.9	25.0
44 Lake Charles	62.4	66.0	65.9	11.4	11.9	11.8	4.9	5.6	5.8	3.3	3.7	3.7
45 Monroe	56.3	58.7	59.1	1.8	1.9	1.9	4.2	5.5	5.6	11.9	12.2	12.7
46 New Orleans	49.2	49.6	49.6	.4	.3	.3	4.8	4.3	4.2	8.4	8.9	8.8
47 Shreveport	474.6	480.4	480.2	15.6	16.0	16.2	28.6	28.3	28.5	51.0	52.5	52.8
48 Shreveport	139.9	142.0	142.0	5.0	5.4	5.4	9.3	10.2	10.2	28.2	27.6	27.4
MAINE												
49 Lewiston-Auburn	404.1	404.6	410.8	(1)	(1)	(1)	19.6	16.1	18.1	109.3	112.5	112.5
50 Portland	34.2	34.9	35.1	(1)	(1)	(1)	1.3	1.2	1.3	12.5	12.5	12.4
51 Portland	85.3	87.2	87.3	(1)	(1)	(1)	4.0	3.7	3.9	16.4	17.1	17.0
MARYLAND												
52 Baltimore	1,602.0	1,621.8	1,629.3	(1)	(1)	(1)	102.8	103.5	106.1	241.9	243.5	244.9
53 Baltimore	886.5	896.0	898.7	(1)	(1)	(1)	49.8	50.8	51.5	165.1	163.4	164.9
MASSACHUSETTS												
54 Boston	2,494.4	2,564.7	2,580.4	(1)	(1)	(1)	74.7	73.3	78.3	644.2	658.8	658.8
55 Brockton	1,358.0	1,377.1	1,385.2	(1)	(1)	(1)	42.1	40.5	43.0	279.5	286.1	285.2
56 Fall River	56.6	59.7	60.1	-	-	-	2.0	1.9	2.0	12.2	12.5	12.8
57 Lawrence-Haverhill	55.8	58.3	59.0	(1)	(1)	(1)	1.2	1.2	1.3	20.8	21.8	21.9
58 Lowell	106.6	109.8	110.3	(1)	(1)	(1)	2.4	2.4	2.5	39.2	38.2	38.1
59 New Bedford	68.4	70.7	71.5	(1)	(1)	(1)	2.6	2.3	2.6	22.9	24.6	24.9
60 Springfield-Chicopee-Holyoke	62.4	63.4	64.2	(1)	(1)	(1)	1.8	2.1	2.4	25.1	25.5	25.7
61 Springfield-Chicopee-Holyoke	226.6	229.1	231.1	(1)	(1)	(1)	5.4	5.1	5.4	65.3	65.6	66.6

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			
MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	
9.1	9.6	9.8	19.1	19.5	19.5	3.9	4.2	4.2	13.7	13.5	13.3	15.6	15.1	15.1	1
28.3	28.3	28.3	96.2	96.4	96.6	28.2	29.2	29.3	88.5	92.5	91.7	88.4	89.4	89.0	2
23.2	23.3	23.4	80.2	80.2	80.3	24.7	25.6	25.7	72.0	74.7	74.0	75.2	76.2	75.7	3
19.2	20.3	20.7	80.3	84.2	83.9	20.3	23.0	23.2	56.1	60.0	60.5	69.2	71.1	71.8	4
4.7	4.6	4.6	20.9	21.7	21.8	7.8	9.4	9.4	13.0	14.5	14.8	17.2	18.1	18.5	5
287.2	291.1	294.8	1,089.3	1,094.1	1,099.3	282.8	292.4	293.3	889.4	915.6	921.1	763.5	791.0	786.9	6
3.0	3.1	3.1	11.2	11.5	11.5	7.3	7.4	7.4	7.1	7.2	7.3	11.3	12.1	11.5	7
2.4	2.6	2.6	15.7	16.6	16.7	2.1	2.3	2.3	9.3	9.4	9.5	30.1	30.8	26.6	8
208.9	213.6	(*)	755.2	765.3	(*)	211.5	218.0	(*)	651.8	665.8	(*)	480.0	497.8	(*)	9
194.2	196.6	197.5	705.9	715.7	716.8	202.7	209.4	209.6	617.1	633.5	637.6	450.4	467.7	469.6	10
6.8	7.9	7.8	41.0	41.7	41.3	6.6	6.6	6.7	23.4	23.4	23.3	25.6	25.9	25.9	11
4.5	4.7	4.8	11.2	11.3	11.3	2.5	2.6	2.6	8.4	8.7	8.7	5.5	5.5	5.5	12
1.4	1.4	1.4	7.8	7.8	7.8	1.1	1.0	1.0	6.4	6.4	6.5	5.8	6.0	6.0	13
7.5	7.7	7.8	35.4	36.1	36.1	7.3	7.5	7.5	26.2	26.8	27.0	13.0	13.0	13.0	14
5.2	5.1	5.1	24.6	24.5	24.7	3.9	4.1	4.1	15.6	16.2	16.3	12.1	12.1	12.2	15
4.9	4.7	4.7	19.1	19.3	19.5	6.6	6.7	6.7	15.4	15.8	15.9	25.0	25.0	24.9	16
108.4	108.0	111.0	476.0	480.5	487.0	96.0	98.9	99.6	314.7	321.5	325.0	357.5	359.2	357.2	17
1.5	1.5	1.5	10.4	10.6	10.7	1.7	1.7	1.7	6.8	6.8	6.8	5.8	5.7	5.7	18
6.7	6.3	6.9	29.5	29.7	29.9	4.2	4.3	4.3	23.3	23.3	23.5	12.4	12.2	12.2	19
10.8	10.9	11.1	40.9	41.3	41.8	9.6	9.8	9.9	26.9	27.1	27.3	17.8	18.0	18.1	20
14.7	14.9	15.0	49.3	49.9	50.8	8.8	8.9	8.9	34.7	34.3	34.7	31.7	31.4	31.1	21
30.4	25.7	30.8	123.7	126.7	128.7	34.7	35.0	35.4	83.6	86.3	87.5	88.4	87.3	87.3	22
1.5	1.6	1.6	11.0	11.5	11.4	2.7	2.7	2.8	8.3	8.9	8.9	15.9	19.5	16.5	23
2.1	1.8	2.2	11.4	11.3	11.4	1.5	1.5	1.5	7.3	7.5	7.5	11.2	11.3	11.3	24
5.2	4.9	5.3	26.8	27.5	27.7	5.0	5.1	5.2	23.0	23.3	23.4	13.1	13.1	13.2	25
3.9	4.0	4.0	15.5	16.0	16.0	2.0	2.0	2.1	8.9	9.0	9.1	11.4	12.2	11.3	26
55.9	56.4	57.2	282.5	287.3	290.8	54.8	56.6	57.2	197.8	201.2	202.8	213.0	212.9	212.8	27
4.0	3.9	4.0	17.9	18.2	18.1	4.2	4.3	4.3	14.6	14.9	15.0	9.3	9.9	10.0	28
11.3	11.4	11.6	47.9	47.7	47.8	19.5	20.0	20.0	37.6	37.9	38.1	29.5	29.6	29.6	29
1.6	1.4	1.6	9.0	9.1	9.2	1.3	1.3	1.3	9.5	9.3	9.4	4.0	4.3	4.3	30
3.9	4.0	4.1	13.6	13.5	13.4	2.7	2.8	2.8	10.8	11.1	11.3	6.7	6.9	6.9	31
2.6	2.5	2.5	14.2	14.7	15.0	2.0	2.0	2.0	10.3	10.7	10.8	11.2	12.2	12.1	32
63.3	65.9	66.7	220.1	221.9	224.5	44.7	46.4	46.6	156.3	162.5	163.0	189.8	185.8	186.5	33
1.4	1.4	1.5	5.4	5.6	5.5	.8	.8	.8	3.4	3.4	3.5	10.5	10.9	10.8	34
7.3	7.5	7.6	19.0	19.0	19.1	5.7	5.8	5.9	16.0	16.7	16.7	21.4	21.4	21.1	35
10.2	10.5	10.6	42.8	43.9	44.2	9.0	9.3	9.3	35.5	36.7	36.8	23.3	23.0	23.1	36
67.7	68.1	71.7	262.9	279.6	281.1	48.8	50.2	50.4	200.0	209.8	212.4	236.4	243.4	243.6	37
6.7	7.2	7.3	32.1	33.0	33.6	6.6	7.0	6.9	25.6	29.0	28.6	32.2	36.0	36.2	38
24.3	24.6	25.1	89.8	97.4	98.9	21.7	22.5	22.9	72.6	75.0	76.2	56.8	60.3	59.2	39
2.1	2.2	2.3	7.5	8.0	7.7	1.1	1.1	1.2	5.1	5.9	5.9	4.2	4.3	4.6	40
108.9	108.9	109.8	336.5	341.8	340.2	69.0	71.7	72.1	238.8	247.0	245.9	266.8	262.4	262.2	41
2.4	2.6	2.5	10.9	11.1	11.2	3.1	3.2	3.2	9.4	9.8	9.8	15.2	15.1	15.3	42
9.5	9.3	9.3	39.7	38.7	39.0	10.5	11.1	11.1	28.1	27.1	27.3	49.7	50.6	50.3	43
4.4	4.6	4.5	16.0	17.1	17.4	2.0	2.1	2.1	11.8	11.6	11.7	8.6	9.4	8.9	44
3.1	3.0	2.9	12.8	13.0	12.9	2.5	2.6	2.6	9.5	9.5	9.4	10.5	11.0	11.1	45
2.3	2.5	2.5	12.8	12.7	12.7	3.2	3.3	3.4	7.4	8.0	8.0	9.9	9.8	9.7	46
48.0	47.8	47.8	118.5	120.7	119.6	28.1	29.0	29.0	104.2	106.9	106.9	80.6	79.2	79.4	47
9.7	10.0	10.1	34.0	34.5	34.7	6.4	6.7	6.7	23.8	23.6	23.6	23.5	24.0	23.9	48
18.0	18.2	18.5	89.3	88.8	91.0	15.7	16.0	16.2	69.4	69.7	71.2	82.8	83.3	83.3	49
1.0	1.1	1.1	7.9	8.0	8.1	1.4	1.5	1.5	6.6	7.1	7.1	3.5	3.5	3.6	50
5.2	5.1	5.2	23.0	22.9	23.1	6.6	7.0	7.0	17.5	18.1	18.2	12.6	13.3	12.9	51
84.0	87.1	86.5	378.2	380.5	384.4	85.5	88.3	89.2	318.7	329.6	332.6	390.9	389.3	385.6	52
58.4	61.9	61.1	194.1	191.8	193.7	51.8	53.5	53.9	169.1	176.4	177.3	198.2	198.2	196.3	53
116.3	117.1	117.6	551.0	572.0	578.3	141.9	145.6	146.2	569.2	594.0	598.9	397.1	403.9	402.3	54
68.2	67.1	67.7	300.1	303.0	305.2	97.8	101.0	101.3	366.6	379.6	381.3	203.7	199.8	201.5	55
3.9	4.1	4.1	15.0	15.7	15.8	2.2	2.3	2.3	8.8	9.4	9.5	12.5	13.8	13.6	56
1.9	2.0	2.0	12.4	13.5	13.6	2.7	2.8	2.8	8.7	8.8	9.4	8.1	8.2	8.0	57
4.1	4.3	4.3	22.3	23.3	23.5	3.7	3.7	3.8	15.3	14.6	14.9	19.6	23.3	23.2	58
3.1	3.1	3.1	15.2	15.5	15.6	2.1	2.1	2.1	10.4	10.3	10.3	12.1	12.8	12.9	59
2.6	2.5	2.5	12.1	11.7	11.7	1.9	1.9	1.9	8.9	9.1	9.2	10.0	10.6	10.8	60
9.5	9.8	9.9	45.9	45.5	45.7	11.4	11.7	11.7	42.2	42.5	43.2	46.9	48.9	48.6	61

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P
MASSACHUSETTS—Continued												
1 Worcester	156.3	160.6	160.3	(1)	(1)	(1)	4.2	3.8	4.2	46.3	48.1	47.6
MICHIGAN	(*)	3,569.2	(*)	(*)	11.8	(*)	(*)	130.8	(*)	(*)	1,156.0	(*)
2 Ann Arbor	(*)	142.4	(*)	(*)	(1)	(*)	(*)	2.9	(*)	(*)	47.1	(*)
3 Battle Creek	(*)	68.1	(*)	(*)	(1)	(*)	(*)	1.8	(*)	(*)	24.5	(*)
4 Bay City	(*)	36.4	(*)	(*)	(1)	(*)	(*)	1.1	(*)	(*)	11.7	(*)
5 Detroit	(*)	1,783.9	(*)	(*)	1.2	(*)	(*)	60.2	(*)	(*)	587.9	(*)
6 Flint	(*)	203.1	(*)	(*)	(1)	(*)	(*)	5.7	(*)	(*)	87.9	(*)
7 Grand Rapids	(*)	260.9	(*)	(*)	(1)	(*)	(*)	12.5	(*)	(*)	92.1	(*)
8 Jackson	(*)	54.9	(*)	(*)	(1)	(*)	(*)	1.8	(*)	(*)	16.9	(*)
9 Kalamazoo-Portage	(*)	108.7	(*)	(*)	(1)	(*)	(*)	4.5	(*)	(*)	34.9	(*)
10 Lansing-East Lansing	(*)	196.0	(*)	(*)	(1)	(*)	(*)	6.4	(*)	(*)	46.5	(*)
11 Muskegon-Norton Shores-Musk. Hgts.	(*)	61.9	(*)	(*)	(1)	(*)	(*)	2.6	(*)	(*)	23.1	(*)
12 Saginaw	(*)	92.9	(*)	(*)	(1)	(*)	(*)	2.9	(*)	(*)	37.6	(*)
MINNESOTA	1,685.8	1,720.5	1,747.3	16.5	16.6	17.2	79.7	75.2	86.1	352.7	368.2	365.1
14 Duluth-Superior	61.2	61.8	62.4	(1)	(1)	(1)	2.3	2.3	2.5	8.2	8.7	8.3
15 Minneapolis-St. Paul	1,018.5	1,048.7	1,061.5	(1)	(1)	(1)	43.0	43.5	48.0	230.3	238.6	236.8
MISSISSIPPI	810.7	833.3	836.1	8.8	9.2	9.4	45.7	48.2	49.4	236.2	233.9	234.2
17 Jackson	139.0	144.0	145.3	1.1	1.1	1.2	7.8	9.1	9.8	18.8	18.6	18.6
MISSOURI	1,944.3	1,955.2	1,972.3	7.9	8.7	8.9	83.8	82.2	86.7	453.7	456.5	456.6
19 Kansas City	617.6	626.7	632.0	.5	.5	.5	28.4	30.8	32.7	122.9	126.4	126.8
20 St. Joseph	37.1	36.2	36.2	(2)	(2)	(2)	2.2	1.9	1.9	9.8	9.1	9.2
21 St. Louis	970.3	977.5	985.2	2.4	2.6	2.6	40.2	42.9	45.3	254.8	256.3	254.8
22 Springfield	80.8	83.6	83.8	(2)	(2)	(2)	3.9	4.1	4.1	17.9	18.4	18.3
MONTANA	278.0	284.7	288.6	6.7	7.8	7.8	16.4	15.9	17.2	25.5	26.2	26.7
24 Billings	44.5	45.8	46.1	(1)	(1)	(1)	2.2	2.5	2.6	4.0	4.0	4.1
25 Great Falls	29.8	30.8	31.0	(1)	(1)	(1)	1.7	2.0	2.1	1.8	1.8	1.8
NEBRASKA	605.9	609.5	619.0	1.7	1.6	1.6	34.0	31.3	34.5	92.5	95.4	95.1
27 Lincoln	97.8	98.2	99.9	(2)	(2)	(2)	4.7	4.4	4.8	13.5	13.9	13.8
28 Omaha	254.5	256.2	260.6	(2)	(2)	(2)	12.7	10.8	11.6	35.0	35.6	35.9
NEVADA	345.5	374.3	375.9	4.2	3.9	3.9	26.4	28.5	28.5	17.4	19.0	19.2
30 Las Vegas	185.1	199.8	199.7	.2	.2	.2	13.7	15.0	14.7	6.3	7.0	7.0
31 Reno	103.3	111.7	112.8	.5	.6	.6	9.0	8.7	8.9	7.7	8.4	8.4
NEW HAMPSHIRE	360.6	370.4	377.0	.4	.4	.4	19.4	18.1	20.4	110.0	112.6	112.8
33 Manchester	71.8	72.4	73.1	(2)	(2)	(2)	3.4	3.3	3.5	19.1	19.1	19.0
34 Nashua	55.5	58.1	58.9	(2)	(2)	(2)	2.7	3.1	3.3	24.8	26.0	26.2
NEW JERSEY	(*)	2,996.4	3,025.6	(*)	2.6	2.7	(*)	113.1	116.8	(*)	795.2	797.3
36 Atlantic City	(*)	73.4	80.5	(*)	-	-	(*)	5.0	5.0	(*)	7.8	7.8
37 Camden	(*)	328.2	329.5	(*)	.1	.1	(*)	13.6	14.2	(*)	69.5	69.1
38 Hackensack	(*)	392.0	392.4	(*)	(1)	(1)	(*)	12.6	13.1	(*)	113.4	113.1
39 Jersey City	(*)	229.8	231.7	(*)	-	-	(*)	3.9	4.2	(*)	68.5	69.8
40 Long Branch-Asbury Park	(*)	152.8	156.0	(*)	(1)	(1)	(*)	5.9	6.2	(*)	23.2	23.6
41 New Bruns.-Perth Amboy-Sayreville	(*)	283.1	284.3	(*)	(1)	(1)	(*)	10.8	10.7	(*)	90.7	91.2
42 Newark	(*)	934.5	939.3	(*)	.8	.8	(*)	32.5	34.5	(*)	257.0	256.4
43 Paterson-Clifton-Passaic	(*)	196.5	196.7	(*)	(1)	(1)	(*)	6.9	7.0	(*)	69.5	69.2
44 Trenton	(*)	164.8	164.9	(*)	(1)	(1)	(*)	2.8	2.8	(*)	37.5	37.6
45 Vineland-Millville-Bridgeton	(*)	57.4	57.4	(*)	(1)	(1)	(*)	1.7	1.7	(*)	19.5	19.4
NEW MEXICO	442.7	460.3	465.9	23.2	26.0	26.3	35.5	35.3	36.7	32.5	34.9	35.1
47 Albuquerque	176.2	184.1	185.8	(1)	(1)	(1)	15.1	14.6	15.3	16.6	17.5	17.7
NEW YORK	7,039.4	7,048.6	7,107.8	6.6	6.0	6.3	204.2	187.9	203.6	1,478.5	1,490.4	1,494.4
49 Albany-Schenectady-Troy	334.2	329.4	332.3	(1)	(1)	(1)	11.1	9.8	10.9	63.2	59.6	59.5
50 Binghamton	117.6	118.8	120.0	(1)	(1)	(1)	4.7	4.7	5.5	41.8	42.7	42.6
51 Buffalo	509.3	509.5	514.9	(1)	(1)	(1)	19.0	17.1	19.0	143.9	146.2	146.7
52 Elmira	37.5	37.3	37.5	(1)	(1)	(1)	1.4	1.1	1.3	11.4	11.7	11.4
53 Monroe County	328.9	335.5	337.5	(1)	(1)	(1)	10.2	8.9	10.2	129.8	134.6	134.3
54 Nassau-Suffolk	867.5	873.0	883.7	(1)	(1)	(1)	35.2	31.8	34.2	157.3	161.1	160.8
55 New York-Northeastern New Jersey	(*)	6,558.0	(*)	(*)	2.9	(*)	(*)	178.6	(*)	(*)	1,382.4	(*)
56 New York and Nassau-Suffolk	4,519.1	4,524.7	4,553.3	1.7	1.7	1.7	118.8	113.1	118.2	782.0	783.5	785.4
57 New York SMSA	3,651.7	3,651.7	3,669.5	1.5	1.5	1.5	83.6	81.2	84.1	624.7	622.4	624.6
58 New York City	3,228.9	3,228.4	3,242.3	1.2	1.3	1.3	67.2	66.3	67.6	537.4	532.6	534.6
59 Poughkeepsie	92.4	94.9	94.9	(1)	(1)	(1)	3.1	2.7	2.8	30.4	31.5	31.5
60 Rochester	405.3	409.7	412.7	(1)	(1)	(1)	12.4	10.6	12.4	149.5	154.3	154.1

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			
MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	
6.9	7.0	7.0	33.8	34.6	34.7	8.4	8.6	8.6	29.4	30.5	30.3	27.3	28.0	27.9	1
(*)	137.8	(*)	(*)	734.7	(*)	(*)	147.3	(*)	(*)	627.2	(*)	(*)	623.8	(*)	2
(*)	3.6	(*)	(*)	20.1	(*)	(*)	3.6	(*)	(*)	20.7	(*)	(*)	44.4	(*)	3
(*)	2.4	(*)	(*)	11.7	(*)	(*)	3.8	(*)	(*)	11.2	(*)	(*)	12.7	(*)	4
(*)	1.6	(*)	(*)	8.5	(*)	(*)	1.3	(*)	(*)	6.0	(*)	(*)	6.2	(*)	5
(*)	78.4	(*)	(*)	360.9	(*)	(*)	84.9	(*)	(*)	348.5	(*)	(*)	262.0	(*)	6
(*)	6.8	(*)	(*)	39.8	(*)	(*)	5.9	(*)	(*)	28.3	(*)	(*)	28.7	(*)	7
(*)	10.3	(*)	(*)	58.9	(*)	(*)	9.7	(*)	(*)	46.2	(*)	(*)	31.2	(*)	8
(*)	5.1	(*)	(*)	11.1	(*)	(*)	1.5	(*)	(*)	9.9	(*)	(*)	8.5	(*)	9
(*)	3.6	(*)	(*)	21.0	(*)	(*)	4.0	(*)	(*)	19.8	(*)	(*)	20.9	(*)	10
(*)	5.3	(*)	(*)	35.3	(*)	(*)	9.1	(*)	(*)	25.8	(*)	(*)	67.6	(*)	11
(*)	3.0	(*)	(*)	11.4	(*)	(*)	1.8	(*)	(*)	9.3	(*)	(*)	10.7	(*)	12
(*)	4.5	(*)	(*)	18.1	(*)	(*)	3.8	(*)	(*)	13.2	(*)	(*)	12.8	(*)	13
92.3	97.8	100.4	427.1	433.3	442.5	85.6	89.7	90.6	333.0	343.0	347.0	298.9	296.8	298.4	14
6.9	6.2	6.6	16.3	16.9	17.3	2.2	2.2	2.3	12.6	11.9	11.9	12.8	13.6	13.5	15
57.2	63.4	64.6	254.8	259.5	263.1	63.6	66.9	67.5	212.3	221.4	224.6	157.2	155.4	156.9	16
37.8	38.8	39.2	159.2	163.7	164.4	31.3	32.0	32.1	114.6	118.8	118.9	177.1	188.6	188.4	17
8.7	8.8	8.9	34.7	36.1	36.3	10.7	11.0	11.0	26.6	27.2	27.4	30.7	32.1	32.1	18
136.5	136.3	139.4	462.7	464.5	469.2	102.6	104.1	104.8	353.0	355.4	359.8	344.1	347.5	346.9	19
55.0	53.9	54.3	154.9	155.6	157.2	41.0	42.1	42.3	120.7	123.5	125.3	94.2	93.9	92.9	20
2.3	2.1	2.0	9.0	8.9	9.0	1.8	1.9	1.9	6.0	6.2	6.2	6.0	6.1	6.0	21
68.1	69.6	71.3	219.6	219.0	220.1	53.0	53.6	54.1	191.9	194.8	196.6	140.3	138.7	140.4	22
6.3	6.3	6.4	22.6	23.4	23.4	3.2	3.3	3.3	15.4	16.1	16.3	11.5	12.0	12.0	23
21.3	22.1	22.2	71.9	75.7	77.3	11.9	13.4	13.5	51.2	52.9	53.8	73.1	70.7	70.1	24
3.8	4.2	4.2	15.1	15.8	15.8	2.1	2.2	2.2	9.2	9.5	9.6	8.1	7.5	7.5	25
1.9	2.0	2.0	9.8	10.0	9.9	2.0	2.0	2.1	6.5	6.8	6.8	6.1	6.2	6.2	26
43.4	45.3	45.8	154.7	156.8	159.2	38.9	40.2	40.2	109.1	110.3	111.9	131.6	128.6	130.7	27
6.6	6.8	6.9	21.2	22.2	22.5	7.1	7.0	6.9	16.3	16.3	16.5	28.4	27.6	28.5	28
22.6	23.4	23.7	66.6	67.6	68.8	22.8	23.5	23.7	53.4	54.8	56.2	41.4	40.5	40.7	29
20.6	22.8	23.0	67.8	74.2	74.8	14.1	15.6	15.6	142.9	155.9	156.7	52.1	54.4	54.2	30
11.8	12.8	12.9	38.0	42.4	42.7	7.5	8.3	8.4	84.4	89.6	89.4	23.2	24.5	24.4	31
6.5	7.4	7.5	20.8	22.2	22.5	5.3	5.8	5.8	38.9	43.4	44.0	14.6	15.2	15.1	32
12.9	13.6	13.7	79.9	84.1	86.2	17.1	18.2	18.3	64.4	66.1	67.8	56.5	57.3	57.4	33
4.3	4.7	4.7	18.6	18.2	18.6	5.2	5.4	5.5	13.1	13.3	13.4	8.1	8.4	8.4	34
1.7	1.7	1.7	11.0	11.9	12.0	1.7	1.8	1.8	7.8	7.9	8.1	5.8	5.7	5.8	35
(*)	185.2	187.8	(*)	669.1	677.5	(*)	150.2	150.9	(*)	560.4	572.6	(*)	520.6	520.0	36
(*)	3.7	3.7	(*)	18.0	19.4	(*)	4.7	4.7	(*)	18.4	24.1	(*)	15.8	15.8	37
(*)	15.5	15.5	(*)	84.7	85.2	(*)	15.5	15.5	(*)	66.0	66.5	(*)	63.3	63.4	38
(*)	19.9	19.6	(*)	111.5	111.9	(*)	15.7	15.8	(*)	75.1	75.7	(*)	43.8	43.2	39
(*)	26.5	26.8	(*)	45.8	46.0	(*)	8.5	8.5	(*)	31.0	30.4	(*)	45.6	46.0	40
(*)	6.3	6.6	(*)	40.5	41.7	(*)	7.1	7.2	(*)	36.5	37.3	(*)	33.3	33.4	41
(*)	21.3	21.4	(*)	66.4	67.0	(*)	9.6	9.7	(*)	38.7	39.1	(*)	45.6	45.2	42
(*)	68.5	68.9	(*)	178.2	179.6	(*)	61.8	62.2	(*)	185.8	187.4	(*)	149.9	149.5	43
(*)	7.5	7.2	(*)	41.9	42.0	(*)	9.6	9.6	(*)	32.4	33.0	(*)	28.7	28.7	44
(*)	6.0	6.0	(*)	25.9	25.8	(*)	6.8	6.9	(*)	39.5	39.6	(*)	46.3	46.2	45
(*)	3.1	3.1	(*)	9.3	9.2	(*)	2.4	2.4	(*)	8.9	9.0	(*)	12.5	12.6	46
26.5	27.9	28.4	101.0	105.4	107.0	19.7	20.9	21.2	86.6	87.1	88.5	117.7	122.8	122.7	47
10.1	11.1	11.2	44.8	46.8	47.2	10.0	10.8	10.9	39.7	41.2	41.7	39.9	42.1	41.8	48
431.2	420.4	424.8	1,449.2	1,445.0	1,463.4	584.0	589.9	591.2	1,571.5	1,607.3	1,616.3	1,314.2	1,301.7	1,308.0	49
15.5	15.0	15.1	66.2	67.1	67.7	15.0	15.0	15.1	65.8	65.8	66.4	97.4	97.1	97.5	50
4.8	4.7	4.8	21.8	22.1	22.4	3.6	3.6	3.6	17.3	17.5	17.7	23.6	23.5	23.5	51
28.5	27.6	28.0	113.9	115.0	116.7	21.5	21.8	21.9	94.9	93.4	94.1	87.7	88.4	88.5	52
1.4	1.4	1.4	8.3	8.2	8.3	1.0	1.0	1.0	6.8	6.9	6.9	7.1	7.1	7.1	53
10.1	9.9	9.9	61.4	62.4	63.0	14.4	14.7	14.7	63.1	64.5	64.8	40.0	40.7	40.6	54
37.4	37.2	38.0	224.7	226.8	230.8	47.5	47.9	47.9	184.8	188.6	191.1	180.5	179.6	181.0	55
(*)	451.9	(*)	(*)	1,385.6	(*)	(*)	592.3	(*)	(*)	1,489.5	(*)	(*)	1,074.8	(*)	56
318.3	308.9	312.3	942.9	941.3	949.4	482.3	487.2	487.2	1,103.8	1,127.2	1,131.5	769.3	761.8	767.5	57
280.9	271.7	274.3	718.1	714.5	718.6	434.8	439.3	439.3	919.2	938.8	940.6	588.8	582.2	586.6	58
259.1	250.0	252.4	620.2	616.1	619.0	415.4	419.8	419.6	818.3	837.9	839.3	510.1	504.4	508.4	59
3.0	3.0	3.0	15.4	15.5	15.7	2.5	2.5	2.5	16.0	16.9	16.8	22.0	22.7	22.7	60
13.0	12.7	12.8	78.4	78.9	79.9	15.9	16.4	16.5	74.3	75.6	76.0	61.6	61.2	61.1	61

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P
NEW YORK—Continued												
1 Rockland County ⁹	77.9	77.6	78.1	(1)	(1)	(1)	2.3	1.8	2.2	15.6	15.9	15.6
2 Syracuse	255.5	258.1	259.2	(1)	(1)	(1)	10.7	9.5	10.8	58.4	60.6	60.4
3 Utica-Rome	115.5	115.1	117.0	(1)	(1)	(1)	3.1	3.0	3.9	31.8	31.7	31.9
4 Westchester County ⁹	332.5	333.6	336.8	(1)	(1)	(1)	13.3	12.3	13.4	70.4	72.7	73.2
NORTH CAROLINA	2,255.1	2,309.8	2,319.2	4.7	4.8	4.8	112.1	115.3	117.3	795.4	805.8	806.9
5 Asheville	67.7	66.9	67.9	(1)	(1)	(1)	3.6	3.5	3.5	21.6	21.1	21.4
6 Charlotte-Gastonia	307.9	312.0	314.1	(1)	(1)	(1)	15.9	15.7	15.9	86.3	88.0	87.9
8 Greensboro—Winston-Salem—High Pt.	370.0	377.0	377.6	(1)	(1)	(1)	16.8	15.6	15.7	144.4	145.5	146.2
9 Raleigh-Durham	240.7	253.0	252.0	(1)	(1)	(1)	12.2	12.6	12.7	38.1	40.7	41.2
NORTH DAKOTA	232.7	236.7	243.8	4.0	5.1	5.2	18.7	16.8	20.8	15.3	16.1	16.4
11 Fargo-Moorhead	60.5	62.3	62.6	(2)	(2)	(2)	4.2	4.1	4.6	4.8	5.2	5.1
OHIO	4,404.6	4,474.7	4,515.4	31.9	32.0	32.1	179.6	178.7	189.5	1,375.6	1,391.1	1,392.0
13 Akron	267.5	269.0	273.0	.3	.3	.4	8.9	8.5	9.2	85.0	84.4	84.8
14 Canton	155.3	159.3	160.7	1.1	1.1	1.1	6.4	6.6	6.9	56.6	58.8	58.9
15 Cincinnati	594.5	615.2	620.7	.4	.4	.4	26.5	27.4	28.5	168.5	173.7	173.6
16 Cleveland	909.2	924.6	930.2	1.5	1.5	1.3	33.0	32.5	34.3	277.5	283.7	282.6
17 Columbus	494.1	507.2	511.2	.9	.9	.9	20.9	21.1	22.5	100.0	100.4	100.3
18 Dayton	357.8	363.3	366.5	.5	.5	.5	13.9	14.5	15.2	112.3	109.1	109.5
19 Toledo	302.5	308.8	311.6	.6	.6	.6	11.7	11.7	12.5	89.9	92.1	91.4
20 Youngstown-Warren	211.9	215.1	217.1	.5	.5	.5	8.0	8.1	8.5	79.1	80.0	79.8
OKLAHOMA	1,029.3	1,059.2	1,069.2	53.1	57.0	57.4	56.8	55.4	57.5	170.9	177.6	178.7
22 Oklahoma City	357.3	381.0	384.1	12.2	13.8	14.0	19.4	19.3	20.3	46.6	52.1	52.3
23 Tulsa	268.4	274.6	276.4	17.4	17.5	17.8	14.8	14.7	15.0	56.1	58.2	58.2
OREGON	1,003.7	1,030.6	1,044.4	2.0	2.1	2.2	47.6	50.8	53.5	215.8	219.2	223.1
25 Eugene-Springfield	103.4	104.0	(*)	(1)	(1)	(*)	5.3	4.9	(*)	20.8	20.3	(*)
26 Jackson County	-	-	-	-	-	-	-	-	-	8.0	7.6	7.7
27 Portland	523.4	536.8	543.3	(1)	(1)	(1)	25.6	25.2	26.4	107.3	112.2	114.0
28 Salem	84.8	87.0	87.8	(1)	(1)	(1)	4.8	4.3	4.8	12.4	13.1	13.2
PENNSYLVANIA	4,698.8	4,691.8	4,730.8	53.8	52.3	52.6	198.9	185.2	199.4	1,359.9	1,365.5	1,368.1
30 Allentown-Bethlehem-Easton	257.3	258.8	259.6	(1)	(1)	(1)	9.2	8.1	8.6	108.8	109.6	109.4
31 Altoona	51.5	51.2	51.7	(1)	(1)	(1)	2.4	2.0	2.0	12.6	12.6	12.7
32 Delaware Valley ¹⁰	1,554.0	1,559.6	1,564.7	(1)	(1)	(1)	55.6	55.2	58.5	380.0	382.7	381.2
33 Erie	115.5	116.5	116.0	(1)	(1)	(1)	4.1	3.7	2.7	43.5	44.6	44.7
34 Harrisburg	214.8	213.0	214.3	(1)	(1)	(1)	10.1	7.8	8.3	40.6	42.4	42.2
35 Johnstown	87.2	88.4	89.4	9.8	9.4	9.3	3.0	2.6	2.9	19.9	19.7	20.0
36 Lancaster	148.0	150.5	150.1	(1)	(1)	(1)	7.9	8.1	8.3	58.8	60.0	59.4
37 Northeast Pennsylvania	241.2	239.6	240.4	1.2	1.2	1.2	12.7	12.3	12.4	73.3	71.2	70.8
38 Philadelphia SMSA	1,874.3	1,888.1	1,894.4	(1)	(1)	(1)	69.8	68.8	72.6	447.5	452.4	450.4
39 Philadelphia City ¹¹	800.1	795.0	795.0	(1)	(1)	(1)	17.8	17.6	18.0	152.6	149.0	148.3
40 Pittsburgh	938.6	931.3	939.8	11.8	10.3	11.4	51.3	45.3	47.5	249.2	249.7	253.8
41 Reading	134.9	138.7	138.8	(1)	(1)	(1)	4.9	5.0	5.4	52.3	53.4	52.5
42 Scranton ¹²	85.9	85.9	86.3	(1)	(1)	(1)	2.3	2.0	2.2	28.2	28.0	28.3
43 Wilkes-Barre—Hazleton ¹³	127.5	126.0	124.9	1.1	1.1	1.1	9.1	9.0	8.8	40.8	38.6	37.9
44 Williamsport	48.5	50.3	50.4	(1)	(1)	(1)	1.9	1.9	2.1	18.3	18.7	18.5
45 York	150.8	151.5	151.9	(1)	(1)	(1)	6.7	6.3	6.6	62.8	64.6	64.1
RHODE ISLAND	399.2	394.8	397.0	(1)	(1)	(1)	14.1	13.0	12.3	135.0	134.1	133.9
47 Providence-Warwick-Pawtucket	410.1	406.1	407.9	(1)	(1)	(1)	14.3	13.1	12.4	151.3	150.2	150.0
SOUTH CAROLINA	1,137.4	1,161.8	1,167.6	1.8	1.9	1.9	69.0	65.3	66.0	390.7	390.6	393.3
49 Charleston-North Charleston	139.5	143.7	143.7	(1)	(1)	(1)	10.5	11.0	11.0	19.1	19.8	19.8
50 Columbia	170.9	175.0	175.3	(1)	(1)	(1)	8.5	7.9	7.9	25.7	26.8	26.9
51 Greenville-Spartanburg	253.0	258.0	257.6	(1)	(1)	(1)	15.4	15.3	15.4	104.2	104.8	104.9
SOUTH DAKOTA	235.1	233.8	238.4	2.7	2.7	2.7	13.1	11.7	13.1	24.2	25.1	25.3
53 Rapid City	28.7	27.8	28.5	(2)	(2)	(2)	2.6	2.4	2.5	2.7	2.6	2.7
54 Sioux Falls	52.7	53.0	53.6	(2)	(2)	(2)	3.5	3.2	3.8	7.3	7.4	7.4
TENNESSEE	1,712.9	1,732.8	1,732.7	11.2	10.6	10.3	84.9	90.8	92.0	524.6	519.9	517.9
56 Chattanooga	168.2	168.1	165.8	1.4	1.4	1.3	7.2	7.0	7.0	55.5	55.1	52.6
57 Knoxville	194.4	198.0	197.8	1.6	1.6	1.5	12.2	12.5	12.4	53.5	53.5	53.6
58 Memphis	349.7	353.1	354.7	.2	.1	.2	14.1	13.7	13.9	64.0	63.9	64.1
59 Nashville-Davidson	351.2	353.5	354.1	(1)	(1)	(1)	19.4	21.3	21.2	82.0	81.4	81.9

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	
3.5	3.4	3.4	16.9	16.9	17.1	2.4	2.4	2.4	16.5	16.4	16.5	20.7	20.8	21.0	1
14.4	14.5	14.6	57.4	57.7	58.6	15.0	15.3	15.4	50.3	51.6	50.3	49.2	48.9	49.2	2
4.1	4.0	4.0	21.5	21.6	21.9	5.5	5.5	5.5	19.8	19.9	20.1	29.7	29.5	29.7	3
17.6	17.7	17.9	77.9	78.3	79.2	16.5	16.7	16.8	82.1	82.3	82.6	54.6	53.5	53.6	4
106.5	109.4	111.8	435.1	448.9	451.7	86.4	86.8	87.8	313.9	324.9	326.2	401.0	413.9	412.7	5
3.4	3.5	3.5	13.6	13.7	13.8	2.2	2.2	2.2	12.1	11.6	12.2	11.2	11.3	11.3	6
28.6	27.9	29.3	74.8	77.2	77.4	19.7	19.9	20.0	46.3	46.4	46.8	36.3	36.9	36.8	7
20.3	20.5	21.0	74.2	77.0	77.0	17.0	17.4	17.4	52.6	54.6	54.5	44.7	46.4	45.8	8
11.9	12.8	13.0	47.1	48.5	48.3	14.5	14.6	14.7	49.7	53.5	52.8	67.2	70.3	69.3	9
14.4	15.2	15.5	65.0	66.3	67.9	10.4	10.8	11.0	45.0	47.0	47.2	59.9	59.4	59.8	10
3.9	4.1	4.2	18.9	19.1	19.2	3.5	3.8	3.8	13.0	13.7	13.6	12.2	12.3	12.1	11
227.0	225.1	231.0	954.3	976.1	988.1	190.2	198.1	199.5	774.2	811.7	818.5	671.7	662.0	664.8	12
14.6	14.5	14.8	58.2	60.6	61.3	9.3	9.4	9.5	47.1	48.2	49.1	44.2	43.1	44.0	13
7.4	7.0	7.4	33.5	34.7	35.3	5.7	5.7	5.7	27.2	28.4	28.5	17.4	16.9	16.9	14
32.8	34.5	35.3	137.2	140.8	142.1	30.3	31.5	31.7	114.8	122.4	125.0	83.9	84.3	84.1	15
47.6	44.9	46.4	207.3	213.2	215.0	45.6	46.0	46.2	177.0	188.6	189.7	119.6	114.2	114.7	16
24.6	26.4	26.7	117.3	121.6	123.1	33.7	36.2	36.4	95.5	100.6	101.4	101.3	100.0	99.9	17
12.7	13.5	13.7	74.3	77.1	77.9	12.5	12.9	13.1	65.7	69.4	69.6	66.0	66.3	67.0	18
20.4	20.6	21.2	67.6	69.4	70.6	10.0	10.3	10.3	55.9	57.8	58.4	46.2	46.3	46.7	19
10.3	10.1	10.3	45.8	47.4	48.0	6.7	6.8	6.8	35.4	36.4	36.9	26.1	25.9	26.3	20
61.0	62.5	63.4	245.1	249.6	252.0	50.4	52.0	52.6	169.0	178.9	179.8	223.0	226.2	227.8	21
21.6	22.7	22.8	87.6	93.0	93.8	22.6	23.7	23.9	60.7	65.2	65.7	86.6	91.2	91.3	22
20.4	20.5	20.5	66.1	66.5	67.0	13.3	13.9	14.0	51.4	53.8	54.2	28.9	29.5	29.7	23
56.0	57.3	59.5	241.7	252.2	255.1	63.7	66.8	66.8	174.5	176.7	177.2	202.4	205.5	207.0	24
5.1	5.4	(*)	25.7	25.8	(*)	5.1	5.2	(*)	18.5	18.5	(*)	22.9	23.9	(*)	25
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
33.5	33.2	34.9	133.1	135.3	136.2	40.6	42.2	42.4	101.7	103.8	104.2	81.6	84.9	85.2	27
3.3	3.4	3.4	17.9	18.1	18.4	5.3	5.5	5.5	13.8	14.5	14.4	27.1	28.1	28.1	28
265.4	267.1	270.2	967.8	965.4	969.9	225.1	234.1	235.9	891.7	907.0	914.7	736.2	715.2	720.0	29
13.3	13.8	13.9	48.4	49.1	49.3	8.3	8.5	8.5	38.5	39.3	39.3	30.8	30.4	30.6	30
8.3	7.8	7.8	11.4	11.5	11.6	1.3	1.3	1.3	8.3	8.5	8.7	7.2	7.5	7.6	31
83.6	82.9	83.8	328.6	328.6	330.7	103.7	106.2	106.7	358.9	368.6	368.3	243.6	235.4	235.5	32
5.2	5.2	5.2	22.8	23.9	24.2	4.5	4.5	4.4	20.1	19.6	19.7	15.3	15.0	15.1	33
16.1	15.6	15.7	44.2	44.3	44.3	11.8	12.0	12.0	35.7	34.7	35.1	56.3	56.2	56.7	34
5.4	5.3	5.3	16.7	17.1	17.2	3.5	3.9	3.9	14.8	15.0	14.9	14.1	15.4	15.9	35
6.5	6.3	6.5	33.1	34.6	34.3	5.1	5.3	5.3	20.7	20.8	20.7	15.9	15.4	15.6	36
12.9	13.9	13.9	51.3	52.0	52.0	9.0	9.4	9.4	41.5	41.3	41.6	39.3	38.5	39.1	37
99.5	98.4	99.3	411.8	413.4	416.0	118.8	121.7	122.2	422.1	434.7	434.9	304.8	298.7	299.0	38
56.6	56.0	56.2	151.5	150.9	151.9	68.2	69.4	69.6	203.5	207.3	206.1	149.9	144.8	144.9	39
57.6	56.0	56.6	206.6	210.8	211.4	43.3	44.1	44.3	196.9	196.1	195.7	121.9	119.0	119.1	40
6.5	6.4	6.5	26.5	27.7	27.7	5.6	5.9	6.0	21.6	22.7	23.0	17.5	17.6	17.7	41
4.5	4.6	4.7	19.1	19.8	19.6	3.3	3.4	3.4	16.6	16.5	16.6	11.9	11.6	11.5	42
6.5	7.3	7.3	27.3	27.0	27.0	4.9	5.3	5.3	18.3	18.2	18.2	19.5	19.5	19.3	43
2.4	2.5	2.5	9.5	10.4	10.4	1.9	2.0	2.0	7.3	7.8	7.9	7.2	7.0	7.0	44
7.1	6.8	6.9	31.3	31.6	31.7	3.8	4.1	4.1	19.6	19.5	19.7	19.5	18.6	18.8	45
13.2	13.2	13.5	79.5	78.2	79.0	19.8	20.0	20.2	76.1	76.6	76.9	61.5	59.7	61.2	46
13.2	13.2	13.4	80.3	79.4	79.9	20.0	20.3	20.5	72.7	73.4	73.7	58.3	56.5	58.0	47
48.7	51.3	51.6	211.6	220.0	221.8	43.2	45.5	46.0	146.2	156.1	157.1	226.2	231.1	229.9	48
8.3	8.8	8.8	30.1	30.7	30.6	5.8	6.1	6.2	21.6	22.6	22.6	44.1	44.7	44.7	49
8.6	9.1	9.2	36.9	38.2	38.2	12.6	13.4	13.5	25.2	26.2	26.2	53.4	53.4	53.4	50
10.0	10.2	10.2	48.0	50.2	50.0	8.6	8.7	8.7	32.8	34.2	34.4	34.0	34.6	34.0	51
13.3	13.3	13.3	64.0	63.4	64.7	10.7	11.3	11.5	48.5	48.3	49.8	58.6	58.0	58.0	52
1.8	1.9	1.8	8.4	8.0	8.3	1.4	1.3	1.5	6.1	5.9	6.0	5.7	5.7	5.7	53
4.6	5.2	4.7	15.6	15.3	15.5	3.3	3.0	3.0	11.7	12.1	12.1	6.7	6.8	7.1	54
82.5	82.7	84.0	365.6	371.5	370.5	73.6	73.6	74.8	265.3	271.1	272.1	305.2	312.6	311.1	55
6.7	6.7	6.8	30.7	30.8	30.8	9.2	9.6	9.7	26.1	25.9	25.9	31.4	31.6	31.7	56
7.6	7.9	8.0	40.9	42.0	42.0	7.6	8.0	8.0	29.8	30.2	30.4	41.2	42.3	41.9	57
25.2	25.7	25.8	93.3	94.1	94.0	18.9	18.9	19.1	67.2	68.7	69.9	66.8	68.0	67.7	58
18.7	19.4	19.5	78.7	79.6	79.4	21.6	22.1	22.3	67.8	65.6	65.7	63.0	64.1	64.1	59

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P
1 TEXAS	5,209.0	5,430.3	5,450.8	178.5	191.1	192.8	376.2	387.6	394.4	945.9	985.9	986.5
2 Amarillo	70.7	73.3	73.7	(1)	(1)	(1)	4.5	5.3	5.4	8.0	9.6	9.7
3 Austin	216.2	226.8	227.3	(1)	(1)	(1)	12.9	13.9	14.3	24.8	26.9	27.1
4 Beaumont-Port Arthur-Orange	145.7	143.8	143.0	(1)	(1)	(1)	14.5	14.0	13.9	41.3	40.9	41.1
5 Corpus Christi	111.2	113.0	113.4	5.0	5.0	5.0	11.3	12.0	12.0	13.9	14.2	14.2
6 Dallas-Fort Worth	1,278.8	1,349.1	1,356.1	18.4	20.5	20.5	66.4	73.3	74.8	283.2	299.8	300.9
7 El Paso	148.2	153.9	155.2	(1)	(1)	(1)	9.0	8.1	7.7	29.9	31.6	31.8
8 Galveston-Texas City	66.8	67.7	67.6	(1)	(1)	(1)	4.6	4.7	4.7	12.1	12.1	12.0
9 Houston	1,256.8	1,305.0	1,308.0	61.4	62.2	62.3	135.4	140.7	140.4	207.5	215.1	215.1
10 Lubbock	86.8	88.9	88.9	(1)	(1)	(1)	5.0	5.2	5.6	12.6	11.8	11.8
11 San Antonio	363.7	370.2	370.8	1.9	1.9	1.9	24.1	23.7	24.1	46.2	46.9	47.2
12 Waco	65.4	67.7	67.8	(1)	(1)	(1)	3.5	3.2	3.2	15.8	16.5	16.7
13 Wichita Falls	49.5	50.1	50.1	2.6	2.6	2.6	2.4	2.5	2.8	9.0	9.4	9.3
14 UTAH	523.1	549.5	555.7	16.1	17.4	17.7	35.6	34.7	37.3	77.8	83.0	83.9
15 Salt Lake City-Ogden	372.5	387.1	394.2	6.9	7.4	7.6	24.4	23.5	25.4	52.1	56.0	56.4
16 VERMONT	187.4	191.6	193.5	.8	.8	.8	9.8	7.9	9.4	47.2	49.2	49.4
17 Burlington ¹⁴	50.8	53.0	53.9	-	-	-	-	-	-	12.2	13.2	13.4
18 Springfield ¹⁴	13.7	14.0	14.4	-	-	-	-	-	-	5.8	6.1	6.1
19 VIRGINIA	2,035.7	2,085.0	2,101.9	24.1	25.3	25.6	133.1	133.5	139.1	405.6	404.2	405.8
20 Bristol	27.2	27.7	27.8	(1)	(1)	(1)	1.5	1.5	1.5	9.6	9.8	9.8
21 Lynchburg	68.3	71.0	70.3	(1)	(1)	(1)	3.3	3.5	3.6	29.1	29.6	28.3
22 Newport News-Hampton	146.3	143.5	146.4	(1)	(1)	(1)	7.8	7.6	8.0	34.6	30.4	32.8
23 Norfolk-Virginia Beach-Po tsmouth	278.0	279.2	281.4	(1)	(1)	(1)	18.7	18.5	19.0	28.8	28.8	28.9
24 Northern Virginia ¹⁵	403.7	413.6	417.3	.3	.4	.4	28.2	27.4	27.9	15.3	16.1	16.1
25 Petersburg-Colonial Hgts.-Hopewell	46.9	48.0	48.1	(1)	(1)	(1)	2.5	2.5	2.5	12.2	12.0	11.8
26 Richmond	311.9	318.9	320.5	.4	.4	.4	19.1	18.3	18.8	53.0	54.3	54.4
27 Roanoke	105.2	104.0	104.5	.2	.1	.1	6.0	5.6	5.9	21.3	20.9	20.9
28 WASHINGTON	1,490.7	1,588.5	(*)	2.8	3.2	(*)	92.7	105.6	(*)	284.1	304.6	(*)
29 Seattle-Everett	696.1	(*)	(*)	(1)	(*)	(*)	39.1	(*)	(*)	144.8	(*)	(*)
30 Spokane	125.3	(*)	(*)	(1)	(*)	(*)	8.3	(*)	(*)	17.9	(*)	(*)
31 Tacoma	134.9	(*)	(*)	(1)	(*)	(*)	8.3	(*)	(*)	22.5	(*)	(*)
32 WEST VIRGINIA	633.0	626.7	629.7	74.8	70.2	69.6	41.3	38.2	39.2	124.4	122.7	123.1
33 Charleston	109.4	109.5	109.9	6.7	6.8	6.6	6.0	6.2	6.4	19.4	19.5	19.3
34 Huntington-Ashland	102.9	104.1	105.2	1.0	1.0	1.0	6.4	6.2	6.9	28.9	29.6	29.6
35 Parkersburg-Marietta	56.1	57.1	57.4	.5	.5	.5	3.2	4.0	4.1	18.0	17.9	18.0
36 Wheeling	64.0	65.4	65.9	7.1	7.3	7.3	3.1	3.4	3.6	13.1	13.3	13.4
37 WISCONSIN	1,870.7	1,922.6	1,946.1	2.7	2.5	2.8	83.6	80.1	87.2	554.3	568.5	566.4
38 Appleton-Oshkosh	119.9	124.8	125.5	(1)	(1)	(1)	6.0	6.5	6.8	46.7	48.9	48.9
39 Eau Claire	44.6	45.0	45.2	(1)	(1)	(1)	1.8	1.6	1.6	9.1	8.6	8.6
40 Green Bay	74.3	74.9	75.7	(1)	(1)	(1)	3.7	3.1	3.4	20.5	20.6	20.8
41 Kenosha	41.0	42.4	43.5	(1)	(1)	(1)	1.4	1.4	1.4	15.9	16.8	17.5
42 La Crosse	41.3	42.4	42.9	(1)	(1)	(1)	1.6	2.0	2.1	10.4	10.6	10.7
43 Madison	159.5	161.3	162.8	(1)	(1)	(1)	8.2	6.7	7.5	19.5	18.3	18.5
44 Milwaukee	646.5	668.9	670.2	(1)	(1)	(1)	23.8	23.8	24.9	205.2	214.5	210.0
45 Racine	70.1	70.8	71.4	(1)	(1)	(1)	2.5	2.2	2.3	30.6	31.7	31.9
46 WYOMING	187.2	200.8	210.6	28.2	31.4	33.0	21.7	23.2	26.9	9.0	9.9	10.1
47 Casper	35.8	41.2	(*)	7.1	9.3	(*)	3.6	4.7	(*)	1.6	1.8	(*)
48 Cheyenne	25.8	26.2	26.9	(1)	(1)	(1)	2.0	2.3	2.6	1.5	1.5	1.5

¹ Combined with services.

² Combined with construction.

³ Area included in Chicago-Gary Standard Consolidated Statistical Area.

⁴ Revised to 1978 benchmark; not strictly comparable with previously published data.

⁵ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

⁶ Subarea of New York-Northeastern New Jersey.

⁷ Subarea of Rochester Standard Metropolitan Statistical Area.

⁸ Area included in New York and Nassau-Suffolk combined SMSA's.

⁹ Subarea of New York Standard Metropolitan Statistical Area.

¹⁰ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

¹¹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area:

Philadelphia County.

¹² Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

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

¹⁴ Total includes data for industry divisions not shown separately.

¹⁵ 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			
MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	
327.5	343.2	347.7	1,272.3	1,322.9	1,325.1	292.6	305.0	306.5	886.4	921.1	925.2	929.6	973.5	972.6	1
6.7	6.8	6.9	21.7	21.5	21.5	3.6	3.6	3.6	14.0	14.3	14.4	12.2	12.2	12.2	2
6.6	6.5	6.5	44.3	45.8	46.1	12.8	13.3	13.3	35.9	37.6	37.6	78.9	82.8	82.4	3
10.7	11.1	11.3	31.6	30.5	30.2	5.3	5.4	5.4	23.5	23.2	23.3	18.8	18.5	17.8	4
6.2	6.6	6.7	26.5	26.4	26.4	5.2	5.3	5.3	17.2	17.8	18.0	25.9	25.7	25.8	5
82.0	86.6	87.6	336.7	354.3	357.0	94.1	98.2	98.5	223.8	238.4	238.8	174.2	178.0	178.0	6
10.2	10.4	10.4	37.1	38.1	38.0	6.8	7.1	7.2	24.4	25.4	25.4	30.8	33.2	34.7	7
6.1	6.7	6.7	13.0	12.9	12.8	4.3	4.5	4.5	10.4	10.3	10.4	16.3	16.6	16.5	8
92.7	96.5	97.5	298.7	311.0	311.4	73.4	77.7	78.0	244.8	254.9	255.9	142.9	146.9	147.4	9
5.1	5.1	5.1	25.2	25.9	25.6	4.3	4.5	4.6	15.2	16.2	16.1	19.4	20.2	20.1	10
15.4	16.4	16.5	90.4	94.0	93.8	23.9	24.7	24.7	68.1	69.7	69.4	93.7	92.9	93.2	11
3.1	3.2	3.3	14.8	15.6	15.5	3.7	3.9	4.0	13.2	14.2	14.0	11.3	11.1	11.1	12
2.4	2.4	2.4	12.2	12.3	12.1	2.2	2.2	2.3	7.4	7.5	7.5	11.3	11.2	11.1	13
31.6	31.1	34.3	126.8	132.3	133.6	24.1	25.6	25.9	88.2	99.0	96.7	122.9	126.3	126.5	14
24.9	24.0	27.3	94.2	98.1	99.3	19.8	20.8	21.0	62.1	67.7	68.0	88.2	89.5	89.1	15
8.6	8.8	8.9	38.4	40.9	41.6	7.4	7.6	7.6	39.2	40.7	40.3	36.0	35.7	35.5	16
2.2	2.1	2.2	10.7	11.6	11.9	-	-	-	10.4	11.0	11.2	-	-	-	17
.7	.7	.8	2.1	2.2	2.2	-	-	-	2.4	2.5	2.6	-	-	-	18
107.9	110.0	110.8	425.5	441.3	444.6	95.9	98.9	100.2	357.5	373.6	376.7	486.1	498.2	499.1	19
1.0	1.0	1.0	6.2	6.3	6.3	.8	.9	.9	3.2	3.4	3.4	4.9	4.8	4.9	20
2.5	2.6	2.6	11.3	11.8	12.1	3.1	3.3	3.3	9.6	10.3	10.4	9.4	9.9	10.0	21
4.9	4.9	4.8	27.0	27.0	27.2	4.8	4.7	4.7	27.2	27.7	27.7	40.0	41.2	41.2	22
17.8	17.9	18.0	66.8	68.9	69.5	14.1	14.2	14.5	50.5	50.5	50.9	81.3	80.4	80.6	23
26.8	26.5	27.0	95.8	99.4	99.9	25.0	25.4	26.3	97.4	101.7	102.6	114.9	116.7	117.1	24
1.3	1.5	1.6	8.7	8.9	8.9	1.2	1.3	1.3	5.6	6.0	6.0	15.4	15.8	16.0	25
18.6	19.2	19.4	72.3	72.6	72.0	23.9	25.2	25.3	54.7	56.2	56.8	69.9	72.7	73.4	26
10.1	9.9	9.7	25.3	26.0	26.0	5.7	6.0	6.0	19.1	19.2	19.4	17.5	16.3	16.5	27
82.5	90.6	(*)	359.8	383.2	(*)	83.1	89.6	(*)	273.1	295.7	(*)	312.6	316.0	(*)	28
45.5	(*)	(*)	170.0	(*)	(*)	49.2	(*)	(*)	130.7	(*)	(*)	116.8	(*)	(*)	29
7.8	(*)	(*)	33.7	(*)	(*)	7.8	(*)	(*)	28.0	(*)	(*)	21.8	(*)	(*)	30
6.4	(*)	(*)	31.4	(*)	(*)	6.6	(*)	(*)	27.7	(*)	(*)	32.0	(*)	(*)	31
41.9	41.9	42.4	126.4	127.8	128.2	20.5	20.9	21.0	89.2	89.1	90.0	114.6	115.9	116.2	32
9.4	9.6	9.6	25.4	25.6	25.9	4.9	4.9	4.9	18.5	18.4	18.6	19.0	18.5	18.6	33
9.1	9.4	9.2	22.6	23.3	23.3	3.7	3.7	3.7	14.2	14.1	14.3	17.2	16.9	17.3	34
2.5	2.5	2.5	12.1	12.2	12.2	1.9	1.9	1.9	8.4	8.5	8.5	9.6	9.7	9.7	35
3.7	3.6	3.7	14.3	15.0	15.1	2.4	2.4	2.4	12.5	12.8	12.9	7.8	7.7	7.6	36
86.6	88.4	90.9	425.2	443.9	455.0	84.7	88.3	89.1	333.3	347.8	352.1	300.2	303.1	302.5	37
4.1	4.3	4.3	24.3	25.5	25.8	4.7	5.0	5.0	19.1	19.4	19.7	15.0	15.2	15.2	38
2.5	2.6	2.6	11.5	12.1	12.3	1.4	1.4	1.4	9.1	9.3	9.4	9.3	9.4	9.3	39
5.3	5.2	5.3	18.8	19.3	19.7	2.6	2.7	2.8	13.1	13.6	13.5	10.3	10.3	10.2	40
1.7	1.7	1.7	8.0	8.3	8.4	.9	.9	.9	7.2	7.6	7.7	6.0	5.8	5.8	41
2.4	2.1	2.4	10.8	11.5	11.5	1.0	1.0	1.0	8.7	8.9	9.0	6.4	6.4	6.2	42
5.5	5.8	5.8	34.7	35.7	36.1	11.3	12.1	12.3	27.0	28.5	28.4	53.4	54.2	54.1	43
31.4	33.3	34.0	145.5	151.2	153.6	35.2	36.0	36.3	129.3	135.2	136.5	76.1	74.9	74.9	44
2.4	2.5	2.5	12.9	12.9	13.2	2.2	2.2	2.3	10.7	10.8	10.7	9.0	8.6	8.6	45
14.3	16.0	16.4	42.6	46.7	49.0	6.4	7.0	7.0	26.4	26.4	27.5	38.6	40.2	40.7	46
2.4	2.5	(*)	9.6	11.7	(*)	1.4	1.5	(*)	5.2	5.5	(*)	4.9	4.3	(*)	47
3.4	3.6	3.7	6.4	7.1	7.2	1.5	1.5	1.6	4.3	3.3	3.4	6.7	6.9	6.9	48

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P
-	TOTAL PRIVATE	\$200.63	\$204.53	\$211.30	\$216.45	\$219.35	\$5.62	\$5.65	\$6.02	\$6.08	\$6.11
-	MINING	331.58	336.05	362.95	360.38	370.16	7.64	7.69	8.52	8.42	8.49
10	METAL MINING	328.45	329.67	375.50	367.24	-	8.07	8.10	9.07	9.09	-
101	Iron ores	356.50	361.99	407.28	389.16	-	8.31	8.36	9.32	9.40	-
102	Copper ores	321.11	317.00	385.48	373.51	-	8.15	8.17	9.20	9.11	-
11, 12	COAL MINING	389.90	391.40	427.81	424.54	-	9.35	9.50	10.46	10.38	-
12	BITUMINOUS COAL AND LIGNITE MINING	392.08	393.59	429.04	425.77	-	9.38	9.53	10.49	10.41	-
13	OIL AND GAS EXTRACTION	310.26	313.69	335.48	331.91	-	6.91	6.94	7.73	7.63	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	323.54	330.42	371.70	357.66	-	7.93	8.02	8.85	8.66	-
138	Oil and gas field services	303.37	305.79	320.32	321.01	-	6.51	6.52	7.28	7.23	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	278.38	293.11	300.83	309.37	-	6.20	6.29	6.73	6.74	-
142	Crushed and broken stone	275.12	291.04	289.01	304.48	-	6.06	6.14	6.48	6.52	-
-	CONSTRUCTION	312.68	324.42	320.21	338.89	345.27	8.52	8.56	9.02	9.11	9.11
15	GENERAL BUILDING CONTRACTORS	279.74	289.08	295.64	307.52	-	7.88	7.92	8.52	8.59	-
152	Residential building construction	262.99	275.60	282.11	295.35	-	7.45	7.53	8.13	8.25	-
153	Operative builders	243.59	246.68	251.20	261.80	-	6.94	6.74	7.41	7.48	-
154	Nonresidential building construction	305.37	311.95	318.42	329.76	-	8.53	8.57	9.15	9.16	-
16	HEAVY CONSTRUCTION CONTRACTORS	312.44	339.78	313.58	343.76	-	7.93	8.09	8.34	8.53	-
161	Highway and street construction	293.33	336.68	296.79	338.02	-	7.37	7.60	7.61	8.01	-
162	Heavy construction, except highway	321.79	341.45	321.40	347.81	-	8.23	8.41	8.71	8.85	-
17	SPECIAL TRADE CONTRACTORS	330.51	338.00	333.56	353.19	-	9.13	9.16	9.56	9.65	-
171	Plumbing, heating, air conditioning	357.76	359.25	347.85	372.45	-	9.39	9.38	9.53	9.75	-
172	Painting, paper hanging, decorating	282.35	298.91	306.09	320.88	-	8.28	8.42	8.95	9.09	-
173	Electrical work	384.69	391.78	398.74	409.58	-	10.15	10.31	10.69	10.75	-
174	Masonry, stonework, and plastering	305.61	317.35	316.24	330.60	-	8.91	8.99	9.44	9.50	-
175	Carpentering and flooring	286.40	292.28	295.41	304.48	-	8.23	8.28	8.74	8.80	-
176	Roofing and sheet metal work	252.80	264.55	252.24	277.71	-	7.90	7.85	8.38	8.39	-
-	MANUFACTURING	245.23	249.29	254.41	265.46	268.66	6.07	6.11	6.54	6.62	6.65
24, 25, 32-39	DURABLE GOODS	265.27	270.58	273.83	288.05	290.69	6.47	6.52	6.95	7.06	7.09
20-23, 26-31	NONDURABLE GOODS	213.79	217.56	225.59	231.08	234.04	5.44	5.48	5.89	5.91	5.94
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	219.05	230.93	230.69	236.22	249.08	5.49	5.66	5.90	5.95	6.15
241	Logging camps and logging contractors	276.38	302.66	302.64	305.37	-	7.16	7.40	7.76	7.85	-
242	Sawmills and planing mills	231.90	243.78	242.99	249.90	-	5.67	5.86	6.09	6.14	-
2421	Sawmills and planing mills, general	243.95	258.52	255.60	263.63	-	5.95	6.17	6.39	6.43	-
2426	Hardwood dimension and flooring	158.76	158.37	167.98	170.31	-	3.92	3.92	4.21	4.29	-
243	Millwork, plywood, and structural members	216.66	228.37	226.59	230.49	-	5.43	5.57	5.84	5.85	-
2431	Millwork	206.06	209.75	214.48	218.86	-	5.23	5.27	5.60	5.67	-
2434	Wood kitchen cabinets	193.89	198.79	198.11	202.01	-	5.01	5.02	5.34	5.33	-
2435	Hardwood veneer and plywood	181.08	183.68	185.57	189.67	-	4.46	4.48	4.71	4.73	-
2436	Softwood veneer and plywood	280.13	314.43	302.09	302.85	-	6.75	7.13	7.35	7.28	-
244	Wooden containers	157.51	157.85	166.88	169.40	-	4.07	4.10	4.38	4.40	-
245	Wood buildings and mobile homes	201.50	204.88	204.24	213.92	-	5.18	5.20	5.52	5.60	-
2451	Mobile homes	201.63	202.15	203.31	210.90	-	5.17	5.17	5.48	5.55	-
249	Miscellaneous wood products	181.49	186.53	193.74	193.52	-	4.56	4.64	4.88	4.85	-
25	FURNITURE AND FIXTURES	180.71	185.93	184.76	190.35	196.45	4.61	4.66	4.94	4.97	5.05
251	Household furniture	168.00	173.01	173.82	178.22	-	4.33	4.38	4.66	4.69	-
2511	Wood household furniture	158.00	162.41	164.11	167.52	-	3.99	4.04	4.33	4.34	-
2512	Upholstered household furniture	176.44	180.86	186.50	187.00	-	4.68	4.71	5.00	5.00	-
2514	Metal household furniture	167.75	172.48	177.71	186.69	-	4.38	4.48	4.79	4.90	-
2515	Mattresses and bedsprings	192.61	199.08	186.38	196.68	-	4.99	5.04	5.25	5.33	-
252	Office furniture	207.98	212.28	203.45	209.84	-	5.11	5.14	5.34	5.22	-
253	Public building and related furniture	207.23	211.82	210.65	214.24	-	5.22	5.23	5.36	5.41	-
254	Partitions and fixtures	218.50	225.07	219.11	229.36	-	5.49	5.53	5.89	6.02	-
259	Miscellaneous furniture and fixtures	199.80	206.86	198.28	204.37	-	5.02	5.07	5.33	5.35	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		May	June	Apr.	May	June	May	June	Apr.	May	June
		1978	1978	1979	1979 ^P	1979 ^P	1978	1978	1979	1979 ^P	1979 ^P
-	TOTAL PRIVATE	35.7	36.2	35.1	35.6	35.9	-	-	-	-	-
-	MINING	43.4	43.7	42.6	42.8	43.6	-	-	-	-	-
10	METAL MINING	40.7	40.7	41.4	40.4	-	-	-	-	-	
101	Iron ores	42.9	43.3	43.7	41.4	-	-	-	-	-	
102	Copper ores	39.4	38.8	41.9	41.0	-	-	-	-	-	
11, 12	COAL MINING	41.7	41.2	40.9	40.9	-	-	-	-	-	
12	BITUMINOUS COAL AND LIGNITE MINING	41.8	41.3	40.9	40.9	-	-	-	-	-	
13	OIL AND GAS EXTRACTION	44.9	45.2	43.4	43.5	-	-	-	-	-	
131, 2	Crude petroleum, natural gas, and natural gas liquids	40.8	41.2	42.0	41.3	-	-	-	-	-	
138	Oil and gas field services	46.6	46.9	44.0	44.4	-	-	-	-	-	
14	NONMETALLIC MINERALS, EXCEPT FUELS	44.9	46.6	44.7	45.9	-	-	-	-	-	
142	Crushed and broken stone	45.4	47.4	44.6	46.7	-	-	-	-	-	
-	CONSTRUCTION	36.7	37.9	35.5	37.2	37.9	-	-	-	-	
15	GENERAL BUILDING CONTRACTORS	35.5	36.5	34.7	35.8	-	-	-	-	-	
152	Residential building construction	35.3	36.6	34.7	35.8	-	-	-	-	-	
153	Operative builders	35.1	36.6	33.9	35.0	-	-	-	-	-	
154	Nonresidential building construction	35.8	36.4	34.8	36.0	-	-	-	-	-	
16	HEAVY CONSTRUCTION CONTRACTORS	39.4	42.0	37.6	40.3	-	-	-	-	-	
161	Highway and street construction	39.8	44.3	39.0	42.2	-	-	-	-	-	
162	Heavy construction, except highway	39.1	40.6	36.9	39.3	-	-	-	-	-	
17	SPECIAL TRADE CONTRACTORS	36.2	36.9	35.1	36.6	-	-	-	-	-	
171	Plumbing, heating, air conditioning	38.1	38.3	36.5	38.2	-	-	-	-	-	
172	Painting, paper hanging, decorating	34.1	35.5	34.2	35.3	-	-	-	-	-	
173	Electrical work	37.9	38.0	37.3	38.1	-	-	-	-	-	
174	Masonry, stonework, and plastering	34.3	35.3	33.5	34.8	-	-	-	-	-	
175	Carpentering and flooring	34.8	35.3	33.8	34.6	-	-	-	-	-	
176	Roofing and sheet metal work	32.0	33.7	30.1	33.1	-	-	-	-	-	
-	MANUFACTURING	40.4	40.8	38.9	40.1	40.4	3.4	3.6	2.5	3.4	3.4
24, 25, 32-39	DURABLE GOODS	41.0	41.5	39.4	40.8	41.0	3.6	3.8	2.6	3.6	3.7
20-23, 26-31	NONDURABLE GOODS	39.3	39.7	38.3	39.1	39.4	3.1	3.2	2.5	2.9	3.1
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	39.9	40.8	39.1	39.7	40.5	3.6	3.9	3.2	3.5	-
241	Logging camps and logging contractors	38.6	40.9	39.0	38.9	-	4.0	4.9	4.1	4.4	-
242	Sawmills and planing mills	40.9	41.6	39.9	40.7	-	4.5	4.6	4.0	4.3	-
2421	Sawmills and planing mills, general	41.0	41.9	40.0	41.0	-	4.6	4.9	4.3	4.6	-
2426	Hardwood dimension and flooring	40.5	40.4	39.9	39.7	-	3.9	3.8	2.9	3.2	-
243	Millwork, plywood, and structural members	39.9	41.0	38.8	39.4	-	3.1	3.3	2.7	2.9	-
2431	Millwork	39.4	39.8	38.3	38.6	-	2.4	2.5	1.6	1.8	-
2434	Wood kitchen cabinets	38.7	39.6	37.1	37.9	-	2.2	2.5	1.8	2.5	-
2435	Hardwood veneer and plywood	40.6	41.0	39.4	40.1	-	3.8	4.0	3.3	3.7	-
2436	Softwood veneer and plywood	41.5	44.1	41.1	41.6	-	4.7	4.8	4.7	4.6	-
244	Wooden containers	38.7	38.5	38.1	38.5	-	3.5	3.5	2.9	2.9	-
245	Wood buildings and mobile homes	38.9	39.4	37.0	38.2	-	2.4	2.9	1.5	2.1	-
2451	Mobile homes	39.0	39.1	37.1	38.0	-	2.2	2.2	1.2	1.7	-
249	Miscellaneous wood products	39.8	40.2	39.7	39.9	-	3.4	3.3	3.2	3.2	-
25	FURNITURE AND FIXTURES	39.2	39.9	37.4	38.3	38.9	2.5	2.8	1.6	2.0	-
251	Household furniture	38.8	39.5	37.3	38.0	-	2.4	2.7	1.7	2.0	-
2511	Wood household furniture	39.6	40.2	37.9	38.6	-	3.1	3.3	2.3	2.4	-
2512	Upholstered household furniture	37.7	38.4	37.3	37.4	-	1.6	1.9	1.2	1.5	-
2514	Metal household furniture	38.3	38.5	37.1	38.1	-	1.7	1.7	0.2	1.7	-
2515	Mattresses and bedsprings	38.6	39.5	35.5	36.9	-	2.3	3.5	1.6	2.1	-
252	Office furniture	40.7	41.3	38.1	40.2	-	2.8	3.2	1.7	2.2	-
253	Public building and related furniture	39.7	40.5	39.3	39.6	-	2.6	2.6	1.5	1.6	-
254	Partitions and fixtures	39.8	40.7	37.2	38.1	-	2.4	3.2	1.2	1.9	-
259	Miscellaneous furniture and fixtures	39.8	40.8	37.2	38.2	-	2.6	2.4	1.4	1.6	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P
32	STONE, CLAY, AND GLASS PRODUCTS	\$261.25	\$268.39	\$276.19	\$284.08	\$287.28	\$6.25	\$6.33	\$6.72	\$6.78	\$6.84
321	Flat glass	334.80	342.26	362.90	371.51	-	7.75	7.85	8.62	8.58	-
322	Glass and glassware, pressed or blown	264.66	268.52	292.44	290.60	-	6.60	6.63	7.15	7.14	-
3221	Glass containers	277.26	283.85	308.25	305.93	-	6.88	6.94	7.50	7.84	-
3229	Pressed and blown glass, nec	247.16	246.18	269.99	268.40	-	6.21	6.17	6.65	6.66	-
323	Products of purchased glass	253.97	257.48	252.25	255.27	-	6.24	6.28	6.37	6.35	-
324	Cement, hydraulic	344.86	358.66	410.83	406.83	-	8.33	8.56	9.51	9.55	-
325	Structural clay products	210.53	215.69	223.04	225.64	-	5.11	5.16	5.48	5.49	-
326	Pottery and related products	200.94	207.20	212.14	216.94	-	5.10	5.18	5.51	5.52	-
327	Concrete, gypsum, and plaster products	270.68	281.34	275.94	294.77	-	6.18	6.28	6.57	6.73	-
3271	Concrete block and brick	252.11	259.90	266.30	283.47	-	5.64	5.75	6.08	6.23	-
3272	Concrete products, nec	237.11	238.10	240.72	254.52	-	5.54	5.55	5.90	6.06	-
3273	Ready-mixed concrete	298.03	318.07	298.80	325.16	-	6.82	6.96	7.20	7.34	-
329	Misc. nonmetallic mineral products	261.64	266.90	272.49	282.24	-	6.20	6.28	6.63	6.72	-
3291	Abrasive products	247.65	252.75	256.61	265.77	-	6.13	6.21	6.48	6.53	-
3292	Asbestos products	280.58	280.58	265.59	287.31	-	6.45	6.45	6.69	6.89	-
33	PRIMARY METAL INDUSTRIES	335.27	341.01	371.96	363.80	366.27	8.04	8.10	8.92	8.83	8.89
331	Blast furnace and basic steel products	380.37	384.98	449.08	419.63	-	9.21	9.21	10.30	10.26	-
3312	Blast furnaces and steel mills	390.04	395.32	468.34	431.42	-	9.49	9.48	10.62	10.60	-
3317	Steel pipe and tubes	312.99	320.68	315.06	332.93	-	7.47	7.51	8.12	8.14	-
332	Iron and steel foundries	298.75	308.85	301.43	314.16	-	7.13	7.25	7.67	7.70	-
3321	Gray iron foundries	306.49	313.96	308.11	318.33	-	7.28	7.37	7.86	7.86	-
3322	Malleable iron foundries	303.69	323.79	310.34	326.33	-	7.48	7.84	8.04	8.22	-
3325	Steel foundries, nec	280.22	292.92	292.33	307.33	-	6.72	6.86	7.29	7.37	-
333	Primary nonferrous metals	348.20	362.94	402.38	380.47	-	8.35	8.56	9.49	9.19	-
3334	Primary aluminum	377.10	396.33	426.42	401.70	-	9.00	9.26	10.30	9.75	-
335	Nonferrous rolling and drawing	305.58	308.45	320.25	334.19	-	7.09	7.19	7.83	7.79	-
3351	Copper rolling and drawing	295.41	302.13	279.79	315.59	-	6.76	6.82	7.03	7.14	-
3353	Aluminum sheet, plate, and foil	373.85	372.66	431.96	418.50	-	8.42	8.81	9.93	9.71	-
3357	Nonferrous wire drawing and insulating	279.30	283.16	286.31	308.28	-	6.65	6.71	7.14	7.34	-
336	Nonferrous foundries	250.31	255.02	255.19	267.71	-	6.15	6.16	6.51	6.61	-
3361	Aluminum foundries	256.94	263.49	266.17	280.83	-	6.36	6.38	6.79	6.90	-
34	FABRICATED METAL PRODUCTS	257.70	259.78	256.86	274.86	278.94	6.27	6.29	6.62	6.77	6.82
341	Metal cans and shipping containers	342.43	356.09	366.30	377.14	-	7.89	8.02	8.68	8.71	-
3411	Metal cans	352.41	369.29	378.84	390.10	-	8.12	8.28	9.02	9.03	-
342	Cutlery, hand tools, and hardware	249.28	242.61	241.04	259.60	-	6.08	6.02	6.31	6.49	-
3423, 5	Hand and edge tools, and hand saws and blades	234.93	233.69	239.29	250.26	-	5.73	5.77	6.12	6.21	-
3429	Hardware, nec	263.45	252.68	244.97	270.24	-	6.41	6.27	6.55	6.79	-
343	Plumbing and heating, except electric	214.27	219.54	222.43	235.41	-	5.48	5.53	5.90	5.90	-
3432	Plumbing fittings and brass goods	212.67	214.26	215.80	234.27	-	5.33	5.37	5.77	5.70	-
3433	Heating equipment, except electric	202.92	210.75	212.21	222.14	-	5.34	5.39	5.72	5.80	-
344	Fabricated structural metal products	239.79	243.79	246.65	258.95	-	5.95	5.99	6.39	6.49	-
3441	Fabricated structural metal	251.10	258.54	269.56	280.70	-	6.20	6.26	6.79	6.88	-
3442	Metal doors, sash, and trim	190.16	190.64	193.78	208.96	-	4.79	4.79	5.14	5.29	-
3443	Fabricated plate work (boiler shops)	266.02	268.79	269.19	280.10	-	6.52	6.54	6.92	7.02	-
3444	Sheet metal work	240.95	246.62	247.68	261.62	-	6.10	6.15	6.45	6.59	-
3446	Architectural metal work	230.40	235.53	224.96	241.64	-	5.76	5.83	6.08	6.18	-
345	Screw machine products, bolts, etc.	249.57	255.26	256.46	273.07	-	5.90	5.95	6.24	6.41	-
3451	Screw machine products	232.83	237.15	237.80	251.22	-	5.57	5.58	5.80	6.01	-
3452	Bolts, nuts, rivets, and washers	266.45	273.85	275.63	295.99	-	6.24	6.31	6.69	6.82	-
346	Metal forgings and stampings	308.59	306.91	284.24	321.91	-	7.33	7.29	7.60	7.89	-
3462	Iron and steel forgings	337.08	326.82	296.48	328.23	-	7.95	7.80	8.19	8.57	-
3465	Automotive stampings	377.15	377.15	333.96	396.16	-	8.67	8.67	9.20	9.41	-
3469	Metal stampings, nec	226.40	229.45	228.34	242.19	-	5.59	5.61	5.84	5.98	-
347	Metal services, nec	204.42	208.08	210.75	218.55	-	5.06	5.10	5.39	5.45	-
3471	Plating and polishing	197.96	201.14	205.00	212.93	-	4.90	4.93	5.27	5.31	-
3479	Metal coating and allied services	222.35	225.62	226.12	234.37	-	5.49	5.53	5.71	5.83	-
348	Ordinance and accessories, nec	245.01	252.97	261.88	268.37	-	6.02	6.14	6.58	6.61	-
3483	Ammunition, exc. for small arms, nec	227.26	227.08	243.58	246.91	-	5.71	5.72	6.41	6.38	-
349	Misc. fabricated metal products	242.17	246.60	243.36	260.53	-	5.95	6.00	6.24	6.37	-
3494	Valves and pipe fittings	261.67	269.66	256.89	280.48	-	6.26	6.33	6.57	6.71	-
3496	Misc. fabricated wire products	210.77	215.59	215.56	228.74	-	5.23	5.31	5.57	5.69	-
35	MACHINERY, EXCEPT ELECTRICAL	277.13	283.41	285.73	302.94	306.49	6.63	6.70	7.09	7.23	7.28
351	Engines and turbines	318.89	322.97	322.40	358.62	-	7.74	7.82	8.31	8.60	-
3511	Turbines and turbine generator sets	282.10	283.14	306.92	322.22	-	7.16	7.15	7.77	7.84	-
3519	Internal combustion engines, nec	333.11	338.52	340.45	370.82	-	7.95	8.06	8.49	8.85	-
352	Farm and garden machinery	285.32	306.91	321.88	336.33	-	7.08	7.36	7.87	7.97	-
3523	Farm machinery and equipment	294.52	316.35	334.93	348.93	-	7.29	7.55	8.09	8.21	-
353	Construction and related machinery	296.78	302.70	299.10	319.55	-	7.10	7.19	7.63	7.70	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P
32	STONE, CLAY, AND GLASS PRODUCTS	41.8	42.4	41.1	41.9	42.0	4.9	5.1	4.3	4.8	-
321	Flat glass	43.2	43.6	42.1	43.3	-	6.5	6.5	4.3	5.3	-
322	Glass and glassware, pressed or blown	40.1	40.5	40.9	40.7	-	4.1	4.0	4.5	4.1	-
3221	Glass containers	40.3	40.9	41.1	40.9	-	4.6	4.6	5.0	4.4	-
3229	Pressed and blown glass, nec	39.8	39.9	40.6	40.3	-	3.4	3.2	3.9	3.8	-
323	Products of purchased glass	40.7	41.0	39.6	40.2	-	3.6	4.2	3.3	3.9	-
324	Cement, hydraulic	41.4	41.9	43.2	42.6	-	4.1	4.3	4.4	4.2	-
325	Structural clay products	41.2	41.8	40.7	41.1	-	4.4	4.3	4.1	4.0	-
326	Pottery and related products	39.4	40.0	38.5	39.3	-	2.4	2.5	2.1	2.4	-
327	Concrete, gypsum, and plaster products	43.8	44.8	42.0	43.8	-	6.9	7.5	5.5	6.7	-
3271	Concrete block and brick	44.7	45.2	43.8	45.5	-	8.2	8.3	6.2	7.2	-
3272	Concrete products, nec	42.8	42.9	40.8	42.0	-	5.9	5.9	4.2	5.3	-
3273	Ready-mixed concrete	43.7	45.7	41.5	44.3	-	7.0	8.3	5.7	7.3	-
329	Misc. nonmetallic mineral products	42.2	42.5	41.1	42.0	-	4.1	4.4	3.7	4.2	-
3291	Abraive products	40.4	40.7	39.6	40.7	-	3.2	3.3	2.6	3.3	-
3292	Asbestos products	43.5	43.5	39.7	41.7	-	4.3	4.6	2.2	2.8	-
33	PRIMARY METAL INDUSTRIES	41.7	42.1	41.7	41.2	41.2	3.9	4.1	3.6	4.0	-
331	Blast furnace and basic steel products	41.3	41.8	43.6	40.9	-	3.1	3.3	3.7	3.5	-
3312	Blast furnaces and steel mills	41.1	41.7	44.1	40.7	-	3.0	3.2	3.8	3.4	-
3317	Steel pipe and tubes	41.9	42.7	38.8	40.9	-	4.4	4.5	2.2	3.5	-
332	Iron and steel foundries	41.9	42.6	39.3	40.8	-	4.7	5.1	3.3	4.1	-
3321	Gray iron foundries	42.1	42.6	39.2	40.5	-	5.2	5.4	3.5	4.1	-
3322	Malleable iron foundries	40.6	41.3	38.6	39.7	-	4.0	4.5	2.8	3.8	-
3325	Steel foundries, nec	41.7	42.7	40.1	41.7	-	3.8	4.3	3.0	4.4	-
333	Primary nonferrous metals	41.7	42.4	42.4	41.4	-	3.4	3.9	4.7	3.7	-
3334	Primary aluminum	41.9	42.8	41.4	41.2	-	4.0	4.7	5.0	3.7	-
335	Nonferrous rolling and drawing	43.1	42.9	40.9	42.9	-	5.2	5.4	4.3	5.5	-
3351	Copper rolling and drawing	43.7	44.3	39.8	44.2	-	5.5	6.2	4.0	6.1	-
3353	Aluminum sheet, plate and foil	44.4	42.3	43.5	43.1	-	7.2	6.4	8.3	7.7	-
3357	Nonferrous wire drawing and insulating	42.0	42.2	40.1	42.0	-	4.4	4.8	2.8	4.6	-
336	Nonferrous foundries	40.7	41.4	39.2	40.5	-	3.4	3.7	2.4	3.5	-
3361	Aluminum foundries	40.4	41.3	39.2	40.7	-	3.4	3.8	2.5	3.7	-
34	FABRICATED METAL PRODUCTS	41.1	41.3	38.8	40.6	40.9	3.7	3.8	2.1	3.4	-
341	Metal cans and shipping containers	43.4	44.4	42.2	43.3	-	4.5	5.1	4.1	4.6	-
3411	Metal cans	43.4	44.6	42.0	43.2	-	4.1	4.8	3.9	4.1	-
342	Cutlery, hand tools, and hardware	41.0	40.3	38.2	40.0	-	3.4	3.0	1.5	2.9	-
3423, 5	Hand and edge tools, and hand saws and blades	41.0	40.5	39.1	40.3	-	3.2	3.0	2.0	3.0	-
3429	Hardware, nec	41.1	40.3	37.4	39.8	-	3.7	3.0	1.1	2.9	-
343	Plumbing and heating, except electric	39.1	39.7	37.7	39.9	-	2.2	2.4	1.4	2.7	-
3432	Plumbing fittings and brass goods	39.9	39.9	37.4	41.1	-	2.3	2.3	1.6	3.4	-
3433	Heating equipment, except electric	38.0	39.1	37.1	38.3	-	1.6	2.0	.9	1.8	-
344	Fabricated structural metal products	40.3	40.7	38.6	39.9	-	3.1	3.3	1.8	2.7	-
3441	Fabricated structural metal	40.5	41.3	39.7	40.8	-	3.3	3.6	2.7	3.7	-
3442	Metal doors, sash, and trim	39.7	39.8	37.7	39.5	-	2.9	2.9	1.3	2.4	-
3443	Fabricated plate work (boiler shops)	40.8	41.1	38.9	39.9	-	3.2	3.4	1.4	2.3	-
3444	Sheet metal work	39.5	40.1	38.4	39.7	-	3.1	3.3	2.1	2.9	-
3446	Architectural metal work	40.0	40.4	37.0	39.1	-	2.0	2.4	1.1	1.5	-
345	Screw machine products, bolts, etc.	42.3	42.9	41.1	42.6	-	4.9	5.2	3.5	4.9	-
3451	Screw machine products	41.8	42.5	41.0	41.8	-	5.3	5.4	4.0	5.1	-
3452	Bolts, nuts, rivets, and washers	42.7	43.4	41.2	43.4	-	4.5	5.0	3.0	4.8	-
346	Metal forgings and stampings	42.1	42.1	37.4	40.8	-	4.9	4.6	2.2	4.5	-
3462	Iron and steel forgings	42.4	41.9	36.2	38.3	-	5.2	5.0	2.2	4.5	-
3466	Automotive stampings	43.5	43.5	36.3	42.1	-	6.2	5.6	2.3	5.6	-
3469	Metal stampings, nec	40.5	40.9	39.1	40.5	-	3.4	3.6	2.0	3.4	-
347	Metal services, nec	40.4	40.8	39.1	40.1	-	3.8	4.1	2.8	3.5	-
3471	Plating and polishing	40.4	40.8	38.9	40.1	-	3.8	4.0	2.7	3.5	-
3479	Metal coating and allied services	40.5	40.8	39.6	40.2	-	3.8	4.2	3.1	3.6	-
348	Ordnance and accessories, nec	40.7	41.2	39.8	40.6	-	2.7	3.4	1.9	2.5	-
3483	Ammunition, exc. for small arms, nec	39.8	39.7	38.0	38.7	-	1.8	2.0	1.5	1.5	-
349	Misc. fabricated metal products	40.7	41.1	39.0	40.9	-	3.1	3.2	1.9	3.2	-
3494	Valves and pipe fittings	41.8	42.6	39.1	41.8	-	3.6	3.9	1.9	3.6	-
3496	Misc. fabricated wire products	40.3	40.6	38.7	40.2	-	2.7	2.7	1.7	3.1	-
35	MACHINERY, EXCEPT ELECTRICAL	41.8	42.3	40.3	41.9	42.1	3.9	4.1	2.7	4.0	-
351	Engines and turbines	41.2	41.3	40.0	41.7	-	3.6	3.6	2.4	3.9	-
3511	Turbines and turbine generator sets	39.4	39.6	39.5	41.1	-	3.5	3.6	3.5	3.9	-
3519	Internal combustion engines, nec	41.9	42.0	40.1	41.9	-	3.6	3.6	2.0	3.9	-
352	Farm and garden machinery	40.3	41.7	40.9	42.2	-	3.0	3.5	3.5	4.9	-
3523	Farm machinery and equipment	40.4	41.9	41.4	42.5	-	3.0	3.6	3.8	5.2	-
353	Construction and related machinery	41.8	42.1	39.2	41.5	-	3.5	3.8	1.9	3.1	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P
	MACHINERY, EXCEPT ELECTRICAL—Continued										
3531	Construction machinery	\$317.70	\$328.68	\$325.47	\$346.86	—	\$7.73	\$7.92	\$8.41	\$8.46	—
3532	Mining machinery	292.73	291.07	305.66	323.89	—	7.02	6.98	7.68	7.73	—
3533	Oil field machinery	287.77	286.23	279.50	301.97	—	6.57	6.58	6.97	6.99	—
3535	Conveyers and conveying equipment	256.81	259.01	254.87	267.44	—	6.10	6.08	6.42	6.46	—
3537	Industrial trucks and tractors	260.50	267.73	270.28	279.30	—	6.48	6.53	6.86	7.00	—
354	Metalworking machinery	303.10	306.24	308.70	324.82	—	6.92	6.96	7.35	7.45	—
3541	Machine tools, metal cutting types	316.80	323.18	317.37	332.32	—	7.04	7.15	7.45	7.57	—
3542	Machine tools, metal forming types	307.64	324.56	310.31	325.04	—	7.29	7.41	7.55	7.63	—
3544	Special dies, tools, jigs, and fixtures	331.52	333.61	339.55	353.68	—	7.40	7.43	7.86	7.93	—
3545	Machine tool accessories	270.47	270.67	276.62	299.46	—	6.29	6.28	6.78	6.90	—
3546	Power driven hand tools	218.14	217.20	223.69	244.62	—	5.44	5.43	5.81	6.04	—
355	Special industry machinery	263.13	267.54	266.39	282.35	—	6.31	6.37	6.71	6.82	—
3551	Food products machinery	276.71	280.90	285.68	299.94	—	6.70	6.72	7.16	7.28	—
3552	Textile machinery	212.57	223.10	222.96	230.11	—	5.21	5.35	5.56	5.64	—
3555	Printing trades machinery	275.84	279.07	269.70	292.72	—	6.46	6.49	6.88	6.92	—
356	General industrial machinery	271.83	277.38	276.90	200.46	—	6.63	6.70	7.01	7.24	—
3561	Pumps and pumping equipment	267.81	272.28	272.41	293.04	—	6.58	6.69	6.98	7.13	—
3562	Ball and roller bearings	271.83	278.05	283.71	314.50	—	6.63	6.70	7.04	7.40	—
3563	Air and gas compressors	286.79	298.35	276.71	301.76	—	6.78	7.02	7.15	7.36	—
3564	Blowers and fans	241.19	251.74	247.16	265.17	—	6.06	6.14	6.37	6.58	—
3566	Speed changers, drives, and gears	301.18	306.72	308.25	347.07	—	7.07	7.10	7.50	7.87	—
3568	Power transmission equipment, nec	268.09	268.86	263.65	285.93	—	6.46	6.51	6.74	6.94	—
357	Office and computing machines	224.95	233.10	239.79	243.98	—	5.50	5.55	5.95	5.98	—
3573	Electronic computing equipment	225.09	233.37	239.76	244.36	—	5.49	5.53	5.92	5.96	—
358	Refrigeration and service machinery	294.04	253.68	255.04	271.58	—	6.03	6.04	6.36	6.56	—
3585	Refrigeration and heating equipment	257.46	260.53	263.16	282.99	—	6.13	6.13	6.45	6.69	—
359	Misc. machinery, except electrical	271.99	277.12	276.49	293.85	—	6.43	6.49	6.81	7.03	—
3592	Carburetors, pistons, rings, valves	310.06	319.60	298.38	339.78	—	7.40	7.52	7.73	8.09	—
3599	Machinery, except electrical, nec	265.42	269.86	272.65	285.49	—	6.26	6.32	6.65	6.83	—
36	ELECTRIC AND ELECTRONIC EQUIPMENT	229.77	232.88	237.46	250.04	\$251.25	5.73	5.75	6.12	6.22	\$6.25
361	Electric distributing equipment	230.75	231.78	240.91	252.55	—	5.74	5.78	6.13	6.19	—
3612	Transformers	215.34	221.27	229.70	239.27	—	5.37	5.45	5.83	5.85	—
3613	Switchgear and switchboard apparatus	244.22	240.77	250.88	264.14	—	6.06	6.08	6.40	6.49	—
362	Electrical industrial apparatus	232.98	236.70	242.89	260.12	—	5.81	5.83	6.26	6.36	—
3621	Motors and generators	239.38	241.98	243.07	264.21	—	5.94	5.96	6.33	6.46	—
3622	Industrial controls	211.92	215.57	231.55	248.46	—	5.42	5.43	6.03	6.15	—
363	Household appliances	229.20	230.92	232.99	246.33	—	5.73	5.73	6.18	6.30	—
3632	Household refrigerators and freezers	245.59	247.04	258.61	272.34	—	5.99	6.04	6.77	6.86	—
3633	Household laundry equipment	258.45	262.75	222.27	266.45	—	6.61	6.72	7.17	7.28	—
3634	Electric housewares and fans	196.98	198.21	202.01	206.33	—	4.90	4.87	5.22	5.25	—
364	Electric lighting and wiring equipment	216.95	221.40	218.48	231.38	—	5.37	5.40	5.66	5.77	—
3641	Electric lamps	239.44	239.37	242.35	251.91	—	5.84	5.81	6.12	6.22	—
3643	Current-carrying wiring devices	204.09	210.50	204.34	215.61	—	4.99	5.06	5.28	5.35	—
3644	Noncurrent-carrying wiring devices	218.00	228.30	224.23	241.20	—	5.33	5.41	5.87	6.03	—
3645	Residential lighting fixtures	164.25	166.38	160.89	172.14	—	4.38	4.39	4.42	4.53	—
365	Radio and TV receiving equipment	203.56	205.39	208.94	226.70	—	5.26	5.28	5.82	5.95	—
3651	Radio and TV receiving sets	210.68	208.98	213.96	232.33	—	5.43	5.40	5.96	6.13	—
366	Communication equipment	262.25	266.49	280.90	289.98	—	6.54	6.58	7.04	7.09	—
3661	Telephone and telegraph apparatus	255.98	259.24	279.03	292.13	—	6.53	6.53	7.10	7.16	—
3662	Radio and TV communication equipment	267.24	272.33	282.40	287.94	—	6.55	6.61	6.99	7.04	—
367	Electronic components and accessories	193.36	197.40	201.89	208.28	—	4.81	4.85	5.19	5.22	—
3671-3	Electronic tubes	258.83	260.53	270.35	274.07	—	6.09	6.13	6.61	6.62	—
3674	Semiconductors and related devices	215.42	222.91	226.86	236.65	—	5.28	5.32	5.70	5.73	—
3679	Electronic components, nec	179.55	182.51	186.44	193.25	—	4.50	4.54	4.83	4.88	—
369	Misc. electrical equipment and supplies	279.76	282.36	272.06	297.19	—	6.84	6.87	7.03	7.32	—
3691	Storage batteries	280.55	285.60	259.18	284.02	—	6.91	7.00	7.14	7.32	—
3694	Engine electrical equipment	315.65	318.06	301.86	339.90	—	7.68	7.72	7.80	8.25	—
37	TRANSPORTATION EQUIPMENT	326.28	331.93	313.05	354.83	354.00	7.75	7.81	8.26	8.55	8.53
371	Motor vehicles and equipment	361.99	369.23	323.18	384.72	—	8.36	8.43	8.83	9.16	—
3711	Motor vehicles and car bodies	381.49	391.60	325.42	418.20	—	8.79	8.90	9.46	9.84	—
3713	Truck and bus bodies	270.41	279.19	250.80	281.69	—	6.71	6.76	6.76	7.06	—
3714	Motor vehicle parts and accessories	362.71	368.24	336.88	377.64	—	8.30	8.35	8.75	8.97	—
3715	Truck trailers	222.86	225.68	218.67	232.80	—	5.53	5.60	5.91	6.00	—
372	Aircraft and parts	307.33	311.64	322.34	340.94	—	7.37	7.42	7.92	8.06	—
3721	Aircraft	309.82	315.93	334.15	351.53	—	7.52	7.54	8.19	8.33	—
3724	Aircraft engines and engine parts	316.92	319.90	321.19	347.33	—	7.60	7.69	8.07	8.25	—
3728	Aircraft equipment, nec	288.23	291.04	292.99	307.16	—	6.75	6.80	7.06	7.16	—
373	Ship and boat building and repairing	252.07	254.80	(*)	(*)	—	6.48	6.50	(*)	(*)	—
3731	Shipbuilding and repairing	266.17	268.32	(*)	(*)	—	6.86	6.88	(*)	(*)	—
3732	Boat building and repairing	206.85	208.30	212.81	223.69	—	5.25	5.26	5.63	5.78	—
374	Railroad equipment	310.40	317.18	351.20	357.78	—	7.76	7.89	8.78	8.90	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P
	MACHINERY, EXCEPT ELECTRICAL—Continued										
3531	Construction machinery	41.1	41.5	38.7	41.0	—	3.0	3.0	1.6	2.5	—
3532	Mining machinery	41.7	41.7	39.8	41.9	—	3.4	4.1	1.9	3.5	—
3533	Oil field machinery	43.8	43.5	40.1	43.2	—	4.9	5.3	2.8	4.2	—
3535	Conveyers and conveying equipment	42.1	42.6	39.7	41.4	—	4.2	4.4	2.5	3.2	—
3537	Industrial trucks and tractors	40.2	41.0	39.4	39.9	—	2.6	3.0	1.4	2.1	—
354	Metalworking machinery	43.8	44.0	42.0	43.6	—	5.6	5.5	4.3	5.7	—
3541	Machine tools, metal cutting types	45.0	45.2	42.6	43.9	—	6.0	6.4	4.7	5.9	—
3542	Machine tools, metal forming types	42.2	43.8	41.1	42.6	—	5.5	6.3	4.8	6.2	—
3544	Special dies, tools, jigs, and fixtures	44.8	44.9	43.2	44.6	—	6.8	6.5	5.3	6.5	—
3545	Machine tool accessories	43.0	43.1	40.8	43.4	—	4.4	4.3	3.6	5.4	—
3546	Power driven hand tools	40.1	40.0	38.5	40.5	—	2.8	2.8	.9	3.3	—
355	Special industry machinery	41.7	42.0	39.7	41.4	—	3.7	3.8	2.3	3.6	—
3551	Food products machinery	41.3	41.8	39.9	41.2	—	3.2	3.3	2.1	3.1	—
3552	Textile machinery	40.8	41.7	40.1	40.8	—	3.0	3.3	2.2	2.8	—
3555	Printing trades machinery	42.7	43.0	39.2	42.3	—	4.2	4.2	2.3	4.0	—
356	General industrial machinery	41.0	41.4	39.5	41.5	—	3.6	3.9	2.5	4.0	—
3561	Pumps and pumping equipment	40.7	40.7	39.6	41.1	—	3.5	3.5	2.2	3.6	—
3562	Ball and roller bearings	41.0	41.5	40.3	42.5	—	4.0	4.4	2.7	4.7	—
3563	Air and gas compressors	42.3	42.5	38.7	41.0	—	3.8	4.4	1.6	3.2	—
3564	Blowers and fans	39.8	41.0	38.8	40.3	—	3.3	3.7	2.4	3.8	—
3566	Speed changers, drives, and gears	42.6	43.2	41.1	44.1	—	3.9	4.2	4.1	5.8	—
3568	Power transmission equipment, nec	41.5	41.3	39.1	41.2	—	3.9	3.9	1.9	3.8	—
357	Office and computing machines	40.9	42.0	40.3	40.8	—	2.8	3.2	2.2	2.7	—
3573	Electronic computing equipment	41.0	42.2	40.5	41.0	—	2.9	3.2	2.2	2.7	—
358	Refrigeration and service machinery	41.3	42.0	40.1	41.4	—	3.4	3.6	1.4	2.7	—
3585	Refrigeration and heating equipment	42.0	42.5	40.8	42.3	—	3.6	3.8	1.6	3.1	—
359	Misc. machinery, except electrical	42.3	42.7	40.6	41.8	—	4.6	4.8	3.2	4.7	—
3592	Carburetors, pistons, rings, valves	41.9	42.5	38.6	42.0	—	3.2	3.5	1.7	4.5	—
3599	Machinery, except electrical, nec	42.4	42.7	41.0	41.8	—	4.9	5.0	3.5	4.7	—
36	ELECTRIC AND ELECTRONIC EQUIPMENT	40.1	40.5	38.8	40.2	40.2	2.5	2.7	1.8	2.7	—
361	Electric distributing equipment	40.2	40.1	39.3	40.8	—	2.2	2.5	2.0	2.9	—
3612	Transformers	40.1	40.6	39.4	40.9	—	1.9	2.3	2.5	3.3	—
3613	Switchgear and switchboard apparatus	40.3	39.6	39.2	40.7	—	2.5	2.6	1.5	2.5	—
362	Electrical industrial apparatus	40.1	40.6	38.8	40.9	—	2.6	2.9	2.0	3.1	—
3621	Motors and generators	40.3	40.6	38.4	40.9	—	2.8	3.0	2.1	3.3	—
3622	Industrial controls	39.1	39.7	38.4	40.4	—	1.9	2.1	1.2	2.6	—
363	Household appliances	40.0	40.3	37.7	39.1	—	2.0	2.2	1.5	2.0	—
3632	Household refrigerators and freezers	41.0	40.9	38.2	39.7	—	1.7	1.8	1.1	2.0	—
3633	Household laundry equipment	39.1	39.1	31.0	36.6	—	1.2	1.3	.3	1.4	—
3634	Electric housewares and fans	40.2	40.7	38.7	39.3	—	2.3	2.7	1.2	1.9	—
364	Electric lighting and wiring equipment	40.4	41.0	38.6	40.1	—	2.6	2.9	1.6	2.8	—
3641	Electric lamps	41.0	41.2	39.6	40.5	—	2.3	2.3	1.5	2.2	—
3643	Current-carrying wiring devices	40.9	41.6	38.7	40.3	—	2.8	3.2	1.6	2.8	—
3644	Noncurrent-carrying wiring devices	40.9	42.2	38.2	40.0	—	2.9	3.7	1.3	2.7	—
3645	Residential lighting fixtures	37.5	37.9	36.4	38.0	—	1.3	1.4	.8	1.7	—
365	Radio and TV receiving equipment	38.7	38.9	35.9	38.1	—	2.1	2.1	1.1	1.8	—
3651	Radio and TV receiving sets	38.8	38.7	35.9	37.9	—	1.7	1.5	.9	1.6	—
366	Communication equipment	40.1	40.5	39.9	40.9	—	2.4	2.9	2.0	2.5	—
3661	Telephone and telegraph apparatus	39.2	39.7	39.3	40.8	—	2.3	3.1	1.9	2.9	—
3662	Radio and TV communication equipment	40.8	41.2	40.4	40.9	—	2.5	2.7	2.0	2.2	—
367	Electronic components and accessories	40.2	40.7	38.9	39.9	—	2.5	2.7	2.2	2.7	—
3671-3	Electronic tubes	42.5	42.5	40.9	41.4	—	2.2	2.7	1.8	1.9	—
3674	Semiconductors and related devices	40.8	41.9	39.8	41.3	—	2.9	3.0	2.9	3.5	—
3679	Electronic components, nec	39.9	40.2	38.6	39.6	—	2.5	2.7	2.1	2.6	—
369	Misc. electrical equipment and supplies	40.9	41.1	38.7	40.6	—	3.7	3.5	1.7	3.3	—
3691	Storage batteries	40.6	40.8	36.3	38.8	—	3.3	3.6	1.5	2.6	—
3694	Engine electrical equipment	41.1	41.2	38.7	41.2	—	4.6	4.1	1.5	4.0	—
37	TRANSPORTATION EQUIPMENT	42.1	42.5	37.9	41.5	41.5	4.9	5.0	2.6	4.9	—
371	Motor vehicles and equipment	43.3	43.8	36.6	42.0	—	6.1	6.2	2.6	5.7	—
3711	Motor vehicles and car bodies	43.4	44.0	34.4	42.5	—	6.3	6.4	2.7	7.0	—
3713	Truck and bus bodies	40.3	41.3	37.1	39.9	—	4.0	4.7	1.7	4.0	—
3714	Motor vehicle parts and accessories	43.7	44.1	38.5	42.1	—	6.4	6.4	2.6	5.0	—
3715	Truck trailers	40.3	40.3	37.0	38.8	—	2.7	3.3	1.4	2.7	—
372	Aircraft and parts	41.7	42.0	40.7	42.3	—	3.7	4.0	3.1	4.5	—
3721	Aircraft	41.2	41.9	40.8	42.2	—	2.9	3.2	3.0	4.1	—
3724	Aircraft engines and engine parts	41.7	41.6	39.8	42.1	—	4.4	4.6	2.6	4.9	—
3728	Aircraft equipment, nec	42.7	42.8	41.5	42.9	—	4.5	5.0	4.2	5.0	—
373	Ship and boat building and repairing	38.9	39.2	(*)	(*)	—	2.8	2.7	(*)	(*)	—
3731	Ship building and repairing	38.8	39.0	(*)	(*)	—	2.8	2.8	(*)	(*)	—
3732	Boat building and repairing	39.4	39.6	37.8	38.7	—	2.8	2.5	1.9	2.6	—
374	Railroad equipment	40.0	40.2	40.0	40.2	—	3.2	3.2	4.0	4.0	—

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1978	June 1978	Apr. 1979	May 1979 ^D	June 1979 ^D	May 1978	June 1978	Apr. 1979	May 1979 ^D	June 1979 ^D
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	\$ 307.13	\$ 311.75	\$ 325.48	\$ 336.88	—	\$ 7.33	\$ 7.37	\$ 7.90	\$ 8.04	—
3761	Guided missiles and space vehicles	308.84	313.92	322.81	330.08	—	7.46	7.51	8.05	8.13	—
379	Miscellaneous transportation equipment	221.29	220.65	232.36	244.50	—	5.56	5.53	6.28	6.52	—
3792	Travel trailers and campers	198.27	196.21	191.20	209.10	—	5.11	5.07	5.51	5.89	—
INSTRUMENTS AND RELATED PRODUCTS											
38	Engineering and scientific instruments	230.52	231.09	240.20	248.68	\$ 247.66	5.65	5.65	6.02	6.11	\$ 6.10
381	Measuring and controlling devices	254.07	251.69	255.73	264.21	—	5.95	5.95	6.33	6.46	—
382	Environmental controls	231.49	231.83	243.41	257.09	—	5.73	5.71	6.04	6.18	—
3822	Process control instruments	215.12	215.76	223.11	232.06	—	5.53	5.49	5.78	5.86	—
3823	Instruments to measure electricity	237.89	240.93	243.82	268.70	—	5.76	5.75	6.05	6.22	—
3825	Optical instruments and lenses	242.72	240.90	261.66	273.92	—	5.92	5.89	6.29	6.43	—
383	Surgical instruments and supplies	259.60	259.89	290.17	291.03	—	5.90	5.92	6.55	6.54	—
384	Medical instruments and supplies	194.49	195.60	195.94	205.28	—	4.85	4.89	5.17	5.25	—
3841	Surgical and medical instruments	191.94	193.59	192.27	201.79	—	4.67	4.78	5.02	5.07	—
3842	Surgical appliances and supplies	196.32	197.41	198.90	208.21	—	4.97	4.96	5.29	5.38	—
385	Ophthalmic goods	176.54	178.75	184.21	186.62	—	4.55	4.56	4.76	4.86	—
386	Photographic equipment and supplies	306.00	300.74	325.43	325.14	—	7.20	7.14	7.73	7.76	—
387	Watches, clocks, and watchcases	171.94	174.05	197.07	182.44	—	4.42	4.44	4.70	4.69	—
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	Jewelry, silverware, and plated ware	180.03	181.74	186.50	192.89	196.89	4.64	4.66	4.96	5.01	5.01
391	Jewelry, precious metal	180.40	180.57	188.74	196.35	—	4.76	4.69	5.06	5.14	—
3911	Musical instruments	174.74	173.88	180.77	187.49	—	4.71	4.60	4.98	5.04	—
393	Toys and sporting goods	175.95	178.75	181.98	190.90	—	4.50	4.48	4.84	4.87	—
394	Dolls, games, toys, and children's vehicles	165.64	166.32	172.04	175.48	—	4.28	4.32	4.60	4.63	—
3942.4	Sporting and athletic goods, nec	156.91	158.15	167.10	170.10	—	4.14	4.14	4.48	4.50	—
3949	Pens, pencils, office and art supplies	172.53	173.44	175.41	179.74	—	4.39	4.47	4.69	4.73	—
395	Costume jewelry and notions	194.32	198.44	196.35	205.77	—	4.81	4.84	5.10	5.17	—
396	Costume jewelry	151.15	150.40	155.86	161.63	—	4.02	4.00	4.27	4.31	—
3961	Miscellaneous manufactures	140.61	139.48	144.89	147.08	—	3.79	3.78	4.07	4.12	—
399	Signs and advertising displays	203.70	207.23	209.55	217.23	—	5.17	5.22	5.50	5.57	—
3993	Signs and advertising displays	211.68	213.25	224.84	234.04	—	5.40	5.44	5.84	5.94	—
NONDURABLE GOODS											
FOOD AND KINDRED PRODUCTS											
20	Meat products	227.70	228.28	241.41	247.33	248.00	5.75	5.75	6.19	6.23	6.20
201	Meat packing plants	231.66	225.03	241.01	248.06	—	5.85	5.77	6.26	6.28	—
2011	Sausages and other prepared meats	288.97	277.38	306.88	311.25	—	6.98	6.90	7.54	7.61	—
2013	Poultry dressing plants	261.23	262.15	286.31	296.53	—	6.58	6.62	7.14	7.25	—
2016	Dairy products	138.38	139.48	140.75	153.44	—	3.73	3.78	4.01	4.07	—
202	Cheese, natural and processed	236.97	243.80	255.03	256.89	—	5.71	5.75	6.19	6.22	—
2022	Fluid milk	213.86	225.18	232.98	231.87	—	5.36	5.40	5.81	5.87	—
2026	Preserved fruits and vegetables	249.05	251.50	264.38	266.27	—	5.86	5.89	6.34	6.37	—
203	Canned specialties	189.76	188.00	200.84	210.14	—	5.02	5.00	5.37	5.43	—
2032	Canned fruits and vegetables	221.48	225.94	234.42	248.27	—	5.65	5.72	5.98	6.10	—
2033	Frozen fruits and vegetables	190.40	184.40	203.32	211.80	—	5.16	5.08	5.51	5.53	—
2037	Grain mill products	174.46	174.66	184.37	194.54	—	4.64	4.67	5.01	5.04	—
204	Flour and other grain mill products	260.18	268.21	275.04	287.55	—	6.18	6.18	6.58	6.75	—
2041	Prepared feeds, nec	288.16	289.28	296.42	310.05	—	6.49	6.53	6.83	6.89	—
2048	Bakery products	211.23	216.72	231.01	236.74	—	4.97	4.87	5.41	5.48	—
205	Bread, cake, and related products	230.89	233.84	242.57	248.20	—	5.89	5.95	6.35	6.43	—
2051	Cookies and crackers	231.67	235.01	242.95	248.97	—	5.91	5.98	6.36	6.45	—
2052	Sugar and confectionery products	229.31	230.29	241.42	245.88	—	5.82	5.83	6.32	6.37	—
206	Cane and beet sugar	219.13	221.09	223.94	230.35	—	5.59	5.64	6.02	6.03	—
2061-3	Confectionery products	263.48	273.64	265.36	269.35	—	6.62	6.79	7.29	7.26	—
2065	Fats and oils	192.73	189.09	199.18	203.30	—	4.98	4.95	5.34	5.35	—
207	Beverages	256.52	262.98	276.27	281.62	—	6.05	6.13	6.41	6.58	—
208	Malt beverages	269.56	282.22	300.58	294.92	—	6.79	6.85	7.44	7.30	—
2082	Bottled and canned soft drinks	385.81	395.51	443.70	413.70	—	9.23	9.35	10.20	9.85	—
2086	Misc. foods and kindred products	200.85	216.00	211.14	216.61	—	5.15	5.23	5.40	5.47	—
209	Misc. foods and kindred products	190.73	188.74	203.30	209.88	—	4.98	4.98	5.35	5.48	—
TOBACCO MANUFACTURES											
21	Cigarettes	247.43	268.37	259.06	269.19	276.51	6.41	6.61	6.89	6.92	7.09
211	Cigarettes	285.09	314.25	296.40	308.51	—	7.31	7.50	7.80	7.85	—
TEXTILE MILL PRODUCTS											
22	Weaving mills, cotton	170.11	171.78	172.48	180.80	182.61	4.19	4.20	4.48	4.52	4.52
221	Weaving mills, synthetic	172.08	174.62	182.56	193.23	—	4.27	4.28	4.61	4.69	—
222	Weaving and finishing mills, wool	183.52	183.52	184.54	196.30	—	4.38	4.38	4.66	4.73	—
223	Narrow fabric mills	180.09	181.36	180.45	186.13	—	4.35	4.37	4.58	4.63	—
224	Knitting mills	158.38	160.37	162.60	169.29	—	3.93	3.95	4.18	4.18	—
225	Knitting mills	153.27	155.63	153.55	159.38	—	3.93	3.95	4.23	4.25	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P
	TRANSPORTATION EQUIPMENT—Continued										
376	Guided missiles, space vehicles, parts	41.9	42.3	41.2	41.9	—	3.2	3.7	3.6	4.3	—
3761	Guided missiles and space vehicles	41.4	41.8	40.1	40.6	—	2.6	3.0	2.6	3.2	—
379	Miscellaneous transportation equipment	39.8	39.9	37.0	37.5	—	2.7	2.6	.8	1.0	—
3792	Travel trailers and campers	38.8	38.7	34.7	35.5	—	3.0	2.7	.5	.8	—
38	INSTRUMENTS AND RELATED PRODUCTS	40.8	40.9	39.9	40.7	40.6	2.3	2.4	1.8	2.4	—
381	Engineering and scientific instruments	42.7	42.3	40.4	40.9	—	2.9	3.1	2.2	2.9	—
382	Measuring and controlling devices	40.4	40.6	40.3	41.6	—	2.0	2.1	1.5	2.4	—
3822	Environmental controls	38.9	39.3	38.6	39.6	—	1.4	1.6	1.0	1.3	—
3823	Process control instruments	41.3	41.9	40.3	43.2	—	2.5	2.4	1.7	3.4	—
3826	Instruments to measure electricity	41.0	40.9	41.6	42.6	—	2.0	2.0	1.6	1.9	—
383	Optical instruments and lenses	44.0	43.9	44.3	44.5	—	3.2	3.6	3.8	3.9	—
384	Medical instruments and supplies	40.1	40.0	37.9	39.1	—	1.8	2.0	1.3	1.9	—
3841	Surgical and medical instruments	41.1	40.5	38.3	39.8	—	1.8	2.1	1.8	2.5	—
3842	Surgical appliances and supplies	39.5	39.8	37.6	38.7	—	1.9	2.0	1.0	1.5	—
385	Ophthalmic goods	38.8	39.2	38.7	38.4	—	1.7	1.7	1.6	1.6	—
386	Photographic equipment and supplies	42.5	42.4	42.1	41.9	—	3.4	3.4	3.0	2.9	—
387	Watches, clocks, and watchcases	38.9	39.2	38.1	38.9	—	1.8	1.9	1.1	1.7	—
39	MISCELLANEOUS MANUFACTURING										
	INDUSTRIES	38.8	39.0	37.6	38.5	39.3	2.1	2.3	1.5	2.0	—
391	Jewelry, silverware, and plated ware	37.9	38.5	37.3	38.2	—	2.5	2.7	1.5	2.1	—
3911	Jewelry, precious metal	37.1	37.8	36.3	37.2	—	2.5	2.7	1.5	2.0	—
393	Musical instruments	39.1	39.9	37.6	39.2	—	1.8	2.1	.9	1.4	—
394	Toys and sporting goods	38.7	38.5	37.4	37.9	—	1.6	1.6	1.1	1.6	—
3942, 4	Dolls, games, toys, and children's vehicles	37.9	38.2	37.3	37.8	—	1.5	1.5	1.2	1.5	—
3949	Sporting and athletic goods, nec	39.3	38.8	37.4	38.0	—	1.7	1.7	1.1	1.7	—
396	Pens, pencils, office and art supplies	40.4	41.0	38.5	39.8	—	2.3	2.7	1.6	2.7	—
396	Costume jewelry and notions	37.6	37.6	36.5	37.5	—	2.5	2.5	1.6	1.7	—
3961	Costume jewelry	37.1	36.9	35.6	35.7	—	2.7	2.4	1.4	1.2	—
399	Miscellaneous manufactures	39.4	39.7	38.1	39.0	—	2.3	2.6	1.8	2.2	—
3993	Signs and advertising displays	39.2	39.2	38.5	39.4	—	2.2	2.2	1.9	2.6	—
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	39.6	39.7	39.0	39.7	40.0	3.8	3.9	3.4	3.7	—
201	Meat products	39.6	39.0	38.5	39.5	—	3.9	3.4	3.6	4.0	—
2011	Meat packing plants	41.4	40.2	40.7	40.9	—	4.7	3.8	4.4	4.7	—
2013	Sausages and other prepared meats	39.7	39.6	40.1	40.9	—	3.5	3.2	4.1	4.1	—
2016	Poultry dressing plants	37.1	36.9	35.1	37.7	—	3.0	3.0	2.4	3.4	—
202	Dairy products	41.5	42.4	41.2	41.3	—	4.1	4.6	3.9	4.0	—
2022	Cheese, natural and processed	39.9	41.7	40.1	39.5	—	3.6	4.5	3.3	3.3	—
2026	Fluid milk	42.5	42.7	41.7	41.8	—	4.3	4.5	4.1	4.1	—
203	Preserved fruits and vegetables	37.8	37.6	37.4	38.7	—	2.8	2.9	2.3	2.8	—
2032	Canned specialties	39.2	39.5	39.2	40.7	—	3.9	2.9	3.6	3.9	—
2033	Canned fruits and vegetables	36.9	36.3	36.9	38.3	—	2.8	3.0	1.9	2.5	—
2037	Frozen fruits and vegetables	37.6	37.4	36.8	38.6	—	2.9	3.4	2.5	2.9	—
204	Grain mill products	42.1	43.4	41.8	42.6	—	5.2	5.7	4.9	5.4	—
2041	Flour and other grain mill products	44.4	44.3	43.4	45.0	—	5.3	5.8	5.9	6.6	—
2048	Prepared feeds, nec	42.5	44.5	42.7	43.2	—	5.8	6.7	5.4	5.6	—
205	Bakery products	39.2	39.3	38.2	38.6	—	3.7	3.6	3.1	3.5	—
2051	Bread, cake, and related products	39.2	39.3	38.2	38.6	—	4.2	4.0	3.6	3.9	—
2052	Cookies and crackers	39.4	39.5	38.2	38.6	—	2.1	2.2	1.5	2.0	—
206	Sugar and confectionery products	39.2	39.2	37.2	38.2	—	2.6	2.5	1.8	2.3	—
2061-3	Cane and beet sugar	39.8	40.3	36.4	37.1	—	3.0	3.4	3.0	2.9	—
2065	Confectionery products	38.7	38.2	37.3	38.0	—	2.2	1.8	1.4	1.9	—
207	Fats and oils	42.4	42.9	43.1	42.8	—	5.4	5.4	5.3	5.3	—
208	Beverages	39.7	41.2	40.4	40.4	—	3.8	4.8	4.2	4.1	—
2082	Malt beverages	41.8	42.3	43.5	42.0	—	4.9	5.8	7.3	6.1	—
2086	Bottled and canned soft drinks	39.0	41.3	39.1	39.6	—	3.5	5.0	3.1	3.7	—
209	Misc. foods and kindred products	38.3	37.9	38.0	38.3	—	3.7	3.8	2.8	3.4	—
21	TOBACCO MANUFACTURES	38.6	40.6	37.6	38.9	39.0	2.2	2.9	.5	.9	—
211	Cigarettes	39.0	41.9	38.0	39.3	—	2.5	3.5	.3	.7	—
22	TEXTILE MILL PRODUCTS	40.6	40.9	38.5	40.0	40.4	3.6	3.8	2.3	3.3	—
221	Weaving mills, cotton	40.3	40.8	39.6	41.2	—	3.6	3.8	2.6	4.0	—
222	Weaving mills, synthetics	41.9	41.9	39.6	41.5	—	3.9	3.8	2.7	3.9	—
223	Weaving and finishing mills, wool	41.4	41.5	39.4	40.2	—	4.0	4.0	2.8	3.4	—
224	Narrow fabric mills	40.3	40.6	38.9	40.5	—	3.5	3.2	1.8	2.6	—
225	Knitting mills	39.0	39.4	36.3	37.5	—	3.0	3.2	1.7	2.3	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P
	TEXTILE MILL PRODUCTS—Continued										
2251	Women's hosiery, except socks	\$ 135.74	\$142.01	\$142.56	\$ 151.44	-	\$ 3.61	\$ 3.66	\$ 4.05	\$ 4.06	-
2252	Hosiery, nec	140.22	142.08	140.49	147.17	-	3.69	3.70	3.98	4.01	-
2253	Knit outerwear mills	148.59	149.72	146.85	151.37	-	3.90	3.94	4.16	4.17	-
2254	Knit underwear mills	141.73	145.88	140.24	145.08	-	3.72	3.75	4.03	4.03	-
2257	Circular knit fabric mills	180.98	182.65	184.00	186.05	-	4.34	4.38	4.67	4.71	-
226	Textile finishing, except wool	187.68	190.71	187.44	193.19	-	4.49	4.53	4.77	4.77	-
2261	Finishing plants, cotton	186.26	189.32	184.99	192.15	-	4.51	4.54	4.78	4.84	-
2262	Finishing plants, synthetics	198.01	204.68	201.70	208.32	-	4.67	4.76	5.03	4.96	-
227	Floor covering mills	179.70	183.52	174.96	189.06	-	4.33	4.38	4.58	4.60	-
228	Yarn and thread mills	160.72	163.14	163.83	169.64	-	3.92	3.95	4.19	4.22	-
2281	Yarn mills, except wool	162.24	163.49	163.46	170.10	-	3.90	3.93	4.17	4.20	-
2282	Throwing and winding mills	150.82	154.66	162.76	162.37	-	3.78	3.80	4.11	4.09	-
229	Miscellaneous textile goods	192.82	194.42	193.25	203.94	-	4.68	4.64	4.88	4.95	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	139.26	141.90	141.70	147.42	\$150.23	3.89	3.92	4.18	4.20	\$ 4.22
231	Men's and boys' suits and coats	173.15	170.64	172.72	178.97	-	4.77	4.74	5.08	5.07	-
232	Men's and boys' furnishings	127.45	129.59	132.40	137.42	-	3.56	3.57	3.86	3.86	-
2321	Men's and boys' shirts and nightwear	124.12	127.57	128.28	134.64	-	3.41	3.42	3.74	3.74	-
2327	Men's and boys' separate trousers	126.66	131.03	129.75	137.11	-	3.65	3.66	3.92	3.94	-
2328	Men's and boys' work clothing	125.67	125.31	135.58	140.21	-	3.53	3.52	3.83	3.81	-
233	Women's and misses' outerwear	131.29	135.24	132.80	136.37	-	3.85	3.92	4.15	4.12	-
2331	Women's and misses' blouses and waists	125.98	132.10	129.42	133.28	-	3.62	3.69	3.91	3.92	-
2335	Women's and misses' dresses	129.03	132.73	131.09	131.99	-	3.91	4.01	4.27	4.19	-
2337	Women's and misses' suits and coats	140.35	147.40	135.91	147.29	-	4.14	4.26	4.37	4.41	-
2339	Women's and misses' outerwear, nec	132.73	133.48	135.74	137.54	-	3.76	3.76	4.04	4.01	-
234	Women's and children's undergarments	126.38	130.64	130.68	134.85	-	3.54	3.55	3.81	3.82	-
2341	Women's and children's underwear	123.53	125.96	127.91	131.25	-	3.47	3.47	3.74	3.75	-
2342	Brassieres and allied garments	137.94	150.16	143.79	150.02	-	3.80	3.88	4.12	4.11	-
236	Children's outerwear	128.47	133.46	132.59	136.80	-	3.51	3.54	3.81	3.80	-
2361	Children's dresses and blouses	125.98	132.08	132.68	133.89	-	3.48	3.56	3.78	3.74	-
238	Misc. apparel and accessories	140.25	141.38	141.45	150.10	-	3.75	3.76	4.03	4.09	-
239	Misc. fabricated textile products	173.18	173.95	174.11	183.86	-	4.51	4.53	4.77	4.89	-
2391	Curtains and draperies	126.25	130.03	132.49	138.38	-	3.44	3.44	3.66	3.75	-
2392	House furnishing, nec	142.88	145.92	149.85	156.62	-	3.78	3.81	4.05	4.10	-
2396	Automotive and apparel trimmings	292.47	289.45	278.53	310.87	-	7.33	7.46	7.61	7.87	-
26	PAPER AND ALLIED PRODUCTS	272.64	281.23	287.87	295.80	299.20	6.37	6.51	6.92	6.96	7.04
261, 2, 6	Paper and pulp mills	323.63	332.57	360.59	359.10	-	7.24	7.44	7.96	7.98	-
262	Paper mills, except building paper	324.18	334.06	363.65	360.59	-	7.22	7.44	7.94	7.96	-
263	Paperboard mills	328.55	344.25	363.32	368.10	-	7.35	7.65	8.22	8.18	-
264	Misc. converted paper products	333.29	241.03	242.17	254.41	-	5.69	5.78	6.10	6.19	-
2641	Paper coating and glazing	283.39	295.68	288.91	306.75	-	6.47	6.60	6.83	6.94	-
2642	Envelopes	213.46	215.06	224.62	230.62	-	5.31	5.31	5.73	5.78	-
2643	Bags, except textile bags	222.09	230.46	227.13	241.02	-	5.43	5.54	5.75	5.85	-
265	Paperboard containers and boxes	242.92	249.64	241.70	253.97	-	5.77	5.86	6.15	6.24	-
2651	Folding paperboard boxes	252.70	265.61	244.22	261.12	-	5.96	6.12	6.23	6.40	-
2653	Corrugated and solid fiber boxes	255.60	259.97	256.46	267.49	-	6.00	6.06	6.46	6.54	-
2664	Sanitary food containers	227.27	232.81	221.36	230.84	-	5.45	5.53	5.72	5.80	-
27	PRINTING AND PUBLISHING	237.34	240.75	246.56	252.22	256.50	6.38	6.42	6.70	6.78	6.84
271	Newspapers	233.24	236.32	242.45	245.59	-	6.86	6.91	7.11	7.16	-
272	Periodicals	211.87	220.80	230.89	228.78	-	5.62	5.75	6.19	6.20	-
273	Books	219.74	217.67	227.94	234.21	-	5.54	5.61	5.89	5.99	-
2731	Book publishing	213.99	209.97	221.13	223.18	-	5.31	5.37	5.57	5.65	-
2732	Book printing	226.39	225.61	235.75	246.27	-	5.79	5.86	6.27	6.38	-
274	Miscellaneous publishing	203.55	206.79	207.35	212.65	-	5.75	5.65	6.01	5.94	-
275	Commercial printing	250.32	254.49	259.44	267.78	-	6.57	6.61	6.90	7.01	-
2751	Commercial printing, letterpress	234.12	241.15	242.17	247.97	-	6.21	6.28	6.51	6.56	-
2752	Commercial printing, lithographic	260.52	263.25	270.94	279.90	-	6.82	6.82	7.13	7.27	-
278	Manifold business forms	242.19	251.93	251.91	261.14	-	6.07	6.10	6.41	6.48	-
278	Blankbooks and bookbinding	189.31	193.36	199.26	203.18	-	4.93	4.92	5.23	5.25	-
279	Printing trade services	316.68	316.30	325.97	326.63	-	8.29	8.28	8.81	8.90	-
28	CHEMICALS AND ALLIED PRODUCTS	289.67	292.32	314.25	311.83	312.91	6.93	6.96	7.50	7.46	7.54
281	Industrial inorganic chemicals	312.25	317.01	346.04	336.96	-	7.47	7.53	8.20	8.10	-
2819	Industrial inorganic chemicals, nec	307.19	310.84	341.13	336.58	-	7.42	7.49	8.22	8.13	-
282	Plastics materials and synthetics	288.74	292.07	317.52	306.25	-	6.81	6.84	7.35	7.24	-
2821	Plastics materials and resins	318.51	327.06	346.96	339.77	-	7.39	7.45	8.05	7.92	-
2824	Organic fibers, noncellulosic	269.42	267.30	300.40	286.44	-	6.43	6.41	6.89	6.82	-
283	Drugs	262.34	262.89	272.43	275.53	-	6.43	6.35	6.76	6.82	-
2834	Pharmaceutical preparations	253.75	256.41	261.88	266.00	-	6.25	6.30	6.58	6.65	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P
TEXTILE MILL PRODUCTS—Continued											
2251	Women's hosiery, except socks	37.6	38.8	35.2	37.3	-	1.7	2.7	1.3	2.3	-
2252	Hosiery, nec	38.0	38.4	35.3	36.7	-	2.2	2.4	1.2	1.7	-
2253	Knit outerwear mills	38.1	38.0	35.3	36.3	-	2.6	2.5	1.3	1.6	-
2254	Knit underwear mills	38.1	38.9	34.8	36.0	-	2.2	2.5	.7	1.0	-
2257	Circular knit fabric mills	41.7	41.7	39.4	39.5	-	5.2	5.3	3.9	4.2	-
226	Textile finishing, except wool	41.8	42.1	39.4	40.5	-	4.3	4.5	2.1	3.1	-
2261	Finishing plants, cotton	41.3	41.7	38.7	39.7	-	4.2	4.3	1.4	2.6	-
2262	Finishing plants, synthetics	42.4	43.0	40.1	42.0	-	4.8	5.4	2.7	4.1	-
227	Floor covering mills	41.5	41.9	38.2	41.1	-	4.0	4.9	2.5	4.0	-
228	Yarn and thread mills	41.0	41.3	39.1	40.2	-	3.8	3.9	2.6	3.4	-
2281	Yarn mills, except wool	41.6	41.6	39.2	40.5	-	4.2	4.1	2.7	3.7	-
2282	Throwing and winding mills	39.9	40.7	39.6	39.7	-	3.2	3.9	3.2	3.4	-
229	Miscellaneous textile goods	41.2	41.9	39.6	41.2	-	3.9	3.9	2.5	3.5	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	35.8	36.2	33.9	35.1	35.6	1.2	1.4	.6	1.0	-
231	Men's and boys' suits and coats	36.3	36.0	34.0	35.3	-	.8	.9	.3	.6	-
232	Men's and boys' furnishings	35.8	36.3	34.3	35.6	-	.9	1.0	.5	.8	-
2321	Men's and boys' shirts and nighwear	36.4	37.3	34.3	36.0	-	.8	1.1	.5	.8	-
2327	Men's and boys' separate trousers	34.7	35.8	33.1	34.8	-	.8	1.0	.3	.7	-
2328	Men's and boys' work clothing	35.6	35.6	35.4	36.8	-	.7	.8	.7	1.1	-
233	Women's and misses' outerwear	34.1	34.5	32.0	33.1	-	1.2	1.4	.6	.8	-
2331	Women's and misses' blouses and waists	34.8	35.8	33.1	34.0	-	1.1	1.5	.5	.9	-
2335	Women's and misses' dresses	33.0	33.1	30.7	31.5	-	1.2	1.3	.7	.8	-
2337	Women's and misses' suits and coats	33.9	34.6	31.1	33.4	-	1.3	1.4	.4	.8	-
2339	Women's and misses' outerwear, nec	35.3	35.5	33.6	34.3	-	1.3	1.5	.7	.8	-
234	Women's and children's undergarments	35.7	36.8	34.3	35.3	-	.8	1.2	.5	.7	-
2341	Women's and children's underwear	35.6	36.3	34.2	35.0	-	.8	1.1	.5	.7	-
2342	Brassieres and allied garments	36.3	38.7	34.9	36.5	-	1.0	1.6	.5	.9	-
236	Children's outerwear	36.6	37.7	34.8	36.0	-	1.6	2.0	.7	1.1	-
2361	Children's dresses and blouses	36.2	37.1	35.1	35.8	-	2.1	2.5	1.0	1.2	-
238	Misc. apparel and accessories	37.4	37.6	35.1	36.7	-	1.6	1.6	.7	1.2	-
239	Misc. fabricated textile products	38.4	38.4	36.5	37.6	-	2.0	2.1	1.0	1.9	-
2391	Curtains and draperies	36.7	37.8	36.2	36.9	-	1.1	1.6	.4	1.0	-
2392	House furnishings, nec	37.8	38.3	37.0	38.2	-	1.3	1.7	1.0	1.8	-
2396	Automotive and apparel trimmings	39.9	38.8	36.6	39.5	-	3.5	3.3	1.5	3.7	-
26	PAPER AND ALLIED PRODUCTS	42.8	43.2	41.6	42.5	42.5	4.8	5.0	4.0	4.6	-
261, 2, 6	Paper and pulp mills	44.7	44.7	45.3	45.0	-	6.2	6.2	6.5	6.4	-
262	Paper mills, except building paper	44.9	44.9	45.8	45.3	-	6.4	6.3	6.5	6.5	-
263	Paperboard mills	44.7	45.0	44.2	45.0	-	7.1	7.5	6.9	7.5	-
264	Misc. converted paper products	41.0	41.7	39.7	41.1	-	3.6	3.8	2.4	3.3	-
2641	Paper coating and glazing	43.8	44.8	42.3	44.2	-	5.2	5.6	3.6	4.9	-
2642	Envelopes	40.2	40.5	39.2	39.9	-	2.9	3.0	2.1	2.8	-
2643	Bags, except textile bags	40.9	41.6	39.5	41.2	-	3.3	3.6	2.4	3.2	-
265	Paperboard containers and boxes	42.1	42.6	39.3	40.7	-	3.9	4.3	2.5	3.2	-
2651	Folding paperboard boxes	42.4	43.4	39.2	40.8	-	4.2	4.9	1.9	2.9	-
2653	Corrugated and solid fiber boxes	42.6	42.9	39.7	40.9	-	4.3	4.7	2.9	3.6	-
2654	Sanitary food containers	41.7	42.1	38.7	39.8	-	3.2	3.5	2.3	3.0	-
27	PRINTING AND PUBLISHING	37.2	37.5	36.8	37.2	37.5	2.7	2.8	2.3	2.6	-
271	Newspapers	34.0	34.2	34.1	34.3	-	1.9	1.9	1.8	2.1	-
272	Periodicals	37.7	38.4	37.3	36.9	-	2.5	2.4	2.0	1.8	-
273	Books	39.7	38.8	38.7	39.1	-	3.6	3.2	3.2	3.7	-
2731	Book publishing	40.3	39.1	39.7	39.5	-	3.2	2.3	2.7	2.7	-
2732	Book printing	39.1	38.5	37.6	38.6	-	4.1	4.0	3.7	4.9	-
274	Miscellaneous publishing	35.4	36.6	34.5	35.8	-	2.0	2.0	2.0	2.0	-
275	Commercial printing	38.1	38.5	37.6	38.2	-	3.1	3.2	2.6	2.8	-
2751	Commercial printing, letterpress	37.7	38.4	37.2	37.8	-	2.7	3.1	2.2	2.4	-
2752	Commercial printing, lithographic	38.2	38.6	38.0	38.5	-	3.3	3.2	2.9	3.1	-
276	Manifold business forms	39.9	41.3	39.3	40.3	-	2.8	4.0	1.9	2.9	-
278	Blankbooks and bookbinding	38.4	39.3	38.1	38.7	-	2.2	2.2	1.6	1.8	-
279	Printing trade service	38.2	38.2	37.0	36.7	-	3.0	2.9	2.5	2.5	-
28	CHEMICALS AND ALLIED PRODUCTS	41.8	42.0	41.9	41.8	41.5	3.4	3.4	3.5	3.5	-
281	Industrial inorganic chemicals	41.8	42.1	42.2	41.6	-	3.6	3.8	4.5	3.9	-
2819	Industrial inorganic chemicals, nec	41.4	41.5	41.5	41.4	-	3.1	3.4	4.1	3.6	-
282	Plastics materials and synthetics	42.4	42.7	43.2	42.3	-	3.3	3.4	3.8	3.4	-
2821	Plastics materials and resins	43.1	43.9	43.1	42.9	-	4.5	4.5	4.5	4.3	-
2824	Organic fibers, noncellulosic	41.9	41.7	43.6	42.0	-	2.5	2.5	3.2	2.8	-
283	Drugs	40.8	41.4	40.3	40.4	-	2.8	2.7	2.2	2.4	-
2834	Pharmaceutical preparations	40.6	40.7	39.8	40.0	-	2.7	2.7	2.0	2.2	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings					
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	
	CHEMICALS AND ALLIED PRODUCTS—Cont'd											
284	Soap, cleaners, and toilet goods	\$268.77	\$269.87	\$273.54	\$286.63	—	\$6.62	\$6.68	\$7.05	\$7.13	—	—
2841	Soap and other detergents	361.63	368.93	372.91	400.96	—	8.41	8.54	9.14	9.26	—	—
2842, 3	Polishing, sanitation, and finishing preparations	239.99	240.19	249.99	254.78	—	5.97	5.96	6.41	6.45	—	—
2844	Toilet preparations	216.45	215.40	210.90	221.18	—	5.55	5.60	5.70	5.76	—	—
285	Paints and allied products	263.97	261.25	269.18	281.31	—	6.30	6.28	6.63	6.73	—	—
286	Industrial organic chemicals	348.47	347.68	400.03	391.57	—	8.18	8.20	9.03	8.94	—	—
2865	Cyclic crudes and intermediates	317.15	320.14	359.07	353.13	—	7.48	7.48	8.37	8.27	—	—
2861, 9	Gum, wood, and industrial organic chemicals, nec	359.53	357.44	415.30	405.76	—	8.42	8.45	9.27	9.18	—	—
287	Agricultural chemicals	276.49	284.26	305.10	303.73	—	6.46	6.58	7.03	7.08	—	—
289	Miscellaneous chemical products	266.62	269.34	284.41	290.09	—	6.44	6.49	6.92	6.94	—	—
29	PETROLEUM AND COAL PRODUCTS	365.51	371.47	413.54	412.22	\$412.66	8.52	8.52	9.42	9.39	\$9.40	—
291	Petroleum refining	394.40	396.76	451.72	444.43	—	9.28	9.27	10.22	10.17	—	—
295	Paving and roofing materials	285.12	309.45	304.59	326.80	—	6.35	6.57	6.97	7.23	—	—
30	RUBBER AND MISC. PLASTICS PRODUCTS	221.00	224.82	228.52	237.55	240.54	5.43	5.47	5.80	5.88	5.91	—
301	Tires and inner tubes	330.93	335.66	344.04	342.78	—	7.75	7.77	8.29	8.32	—	—
302	Rubber and plastics footwear	145.52	144.78	146.97	150.51	—	3.77	3.79	4.06	4.09	—	—
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	228.73	232.11	231.27	247.42	—	5.62	5.62	5.93	6.02	—	—
306	Fabricated rubber products, nec	209.90	211.01	215.67	223.11	—	5.17	5.21	5.53	5.55	—	—
307	Miscellaneous plastics products	199.89	204.50	206.84	218.97	—	4.96	5.00	5.29	5.42	—	—
31	LEATHER AND LEATHER PRODUCTS	146.28	148.60	147.55	151.79	155.40	3.88	3.89	4.18	4.17	4.20	—
311	Leather tanning and finishing	207.14	203.20	204.88	204.20	—	5.14	5.08	5.42	5.46	—	—
314	Footwear, except rubber	141.75	142.87	141.75	147.42	—	3.74	3.74	4.05	4.05	—	—
3143	Men's footwear, except athletic	149.00	150.15	153.61	159.47	—	3.87	3.89	4.22	4.23	—	—
3144	Women's footwear, except athletic	135.77	136.86	130.32	137.00	—	3.64	3.64	3.89	3.87	—	—
316	Luggage	148.96	154.71	146.20	144.58	—	4.07	4.17	4.25	4.24	—	—
317	Handbags and personal leather goods	135.39	140.99	143.47	147.53	—	3.74	3.72	4.03	4.02	—	—
—	TRANSPORTATION AND PUBLIC UTILITIES	297.26	301.04	307.72	317.21	322.40	7.45	7.47	7.87	7.95	8.00	—
4011	RAILROAD TRANSPORTATION: Class I railroads ²	347.14	342.85	381.50	(*)	—	7.68	7.67	8.71	(*)	—	—
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	187.76	192.08	203.70	204.86	—	5.49	5.60	5.82	5.82	—	—
411	Local and suburban transportation	282.31	273.08	297.56	286.88	—	6.77	6.81	6.92	6.98	—	—
413	Intercity highway transportation	282.72	298.83	342.10	327.55	—	7.81	7.99	8.51	8.53	—	—
42	TRUCKING AND WAREHOUSING	312.76	316.65	293.46	330.85	—	7.78	7.78	7.91	8.23	—	—
421, 3	Trucking and trucking terminals	319.98	323.54	299.03	338.15	—	7.94	7.93	8.06	8.37	—	—
422	Public warehousing	212.39	214.27	216.95	222.26	—	5.46	5.48	5.77	5.88	—	—
46	PIPE LINES, EXCEPT NATURAL GAS	355.97	361.15	398.13	389.46	—	8.64	8.64	9.64	9.43	—	—
48	COMMUNICATION	282.35	284.49	298.98	295.89	—	7.13	7.13	7.55	7.51	—	—
481	Telephone communication	290.07	294.11	308.83	304.90	—	7.27	7.28	7.74	7.68	—	—
4817	Switchboard operating employees ³	209.84	212.96	228.60	211.51	—	6.03	6.05	6.55	6.39	—	—
4818	Line construction employees ⁴	398.25	401.34	413.16	409.64	—	8.85	8.84	9.39	9.31	—	—
483	Radio and television broadcasting	244.46	245.86	254.79	255.15	—	6.45	6.47	6.67	6.75	—	—
49	ELECTRIC, GAS, AND SANITARY SERVICES ..	313.25	318.61	334.10	334.51	—	7.53	7.55	8.07	8.08	—	—
491	Electric services	321.64	329.72	341.46	342.34	—	7.64	7.65	8.13	8.19	—	—
492	Gas production and distribution	284.20	283.10	304.44	307.85	—	7.00	6.99	7.63	7.62	—	—
493	Combination utility services	343.21	348.19	371.23	365.66	—	8.27	8.31	8.86	8.79	—	—
495	Sanitary services	252.70	256.63	264.21	272.12	—	5.96	6.01	6.46	6.51	—	—
—	WHOLESALE AND RETAIL TRADE	150.75	153.38	162.50	162.00	165.33	4.61	4.62	5.00	5.00	5.01	—
50, 51	WHOLESALE TRADE	223.69	226.59	243.57	245.07	247.35	5.78	5.81	6.31	6.30	6.31	—
50	WHOLESALE TRADE-DURABLE GOODS	227.36	230.87	245.07	247.20	—	5.80	5.83	6.30	6.29	—	—
501	Motor vehicles and automotive equipment	206.21	211.38	226.14	229.88	—	5.37	5.42	5.92	5.94	—	—
502	Furniture and home furnishings	196.32	197.17	217.93	221.19	—	5.18	5.23	5.89	5.93	—	—
503	Lumber and construction materials	226.91	232.58	247.20	252.17	—	5.73	5.80	6.29	6.32	—	—
504	Sporting goods, toys, and hobby goods	227.02	224.75	239.09	240.59	—	5.99	5.93	6.41	6.45	—	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	40.6	40.4	38.8	40.2	-	3.0	2.9	2.4	3.0	-
2841	Soap and other detergents	43.0	43.2	40.8	43.3	-	4.2	4.7	4.0	4.6	-
2842, 3	Polishing, sanitation, and finishing preparations	40.2	40.3	39.0	39.5	-	3.0	2.7	2.3	2.6	-
2844	Toilet preparations	39.0	38.5	37.0	38.4	-	2.0	1.6	1.1	2.1	-
285	Paints and allied products	41.9	41.6	40.6	41.8	-	3.7	3.5	2.4	3.7	-
286	Industrial organic chemicals	42.6	42.4	44.3	43.8	-	3.5	3.7	4.1	4.2	-
2865	Cyclic crudes and intermediates	42.4	42.8	42.9	42.7	-	3.7	4.0	4.2	4.2	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	42.7	42.3	44.8	44.2	-	3.4	3.6	4.1	4.2	-
287	Agricultural chemicals	42.8	42.2	43.4	42.9	-	5.0	4.6	5.4	5.0	-
289	Miscellaneous chemical products	41.4	41.5	41.1	41.8	-	3.3	3.4	3.0	3.2	-
	PETROLEUM AND COAL PRODUCTS										
29	Petroleum refining	42.9	43.6	43.9	43.9	43.9	4.1	4.3	4.4	4.7	-
291	Petroleum refining	42.5	42.8	44.2	43.7	-	3.4	3.3	4.0	4.0	-
295	Paving and roofing materials	44.9	47.1	43.7	45.2	-	6.9	8.5	6.3	7.5	-
	RUBBER AND MISC. PLASTICS PRODUCTS										
30	Rubber and misc. plastics products	40.7	41.1	39.4	40.4	40.7	3.5	3.7	2.4	3.4	-
301	Tires and inner tubes	42.7	43.2	41.5	41.2	-	4.7	5.2	3.4	4.2	-
302	Rubber and plastics footwear	38.6	38.2	36.2	36.8	-	2.6	2.5	1.1	1.6	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	40.7	41.3	39.0	41.1	-	4.1	3.8	2.4	4.3	-
306	Fabricated rubber products, nec	40.6	40.5	39.0	40.2	-	3.1	3.1	2.0	2.9	-
307	Miscellaneous plastics products	40.3	40.9	39.1	40.4	-	3.2	3.5	2.3	3.3	-
	LEATHER AND LEATHER PRODUCTS										
31	Leather and leather products	37.7	38.2	35.3	36.4	37.0	1.9	2.2	.8	1.4	-
311	Leather tanning and finishing	40.3	40.0	37.8	37.4	-	3.5	3.3	1.9	2.0	-
314	Footwear, except rubber	37.9	38.2	35.0	36.4	-	1.9	2.2	.7	1.4	-
3143	Men's footwear, except athletic	38.5	38.6	36.4	37.7	-	2.1	2.1	.6	1.3	-
3144	Women's footwear, except athletic	37.3	37.6	33.5	35.4	-	1.9	2.2	.9	1.6	-
316	Luggage	36.6	37.1	34.4	34.1	-	1.6	1.9	.7	1.0	-
317	Handbags and personal leather goods	36.2	37.9	35.6	36.7	-	1.3	2.1	1.1	1.4	-
	TRANSPORTATION AND PUBLIC UTILITIES										
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	45.2	44.7	43.8	*	-	-	-	-	-	-
	LOCAL AND INTERURBAN PASSENGER TRANSIT										
41	Local and interurban passenger transit	34.2	34.3	35.0	35.2	-	-	-	-	-	-
411	Local and suburban transportation	41.7	40.1	43.0	41.1	-	-	-	-	-	-
413	Intercity highway transportation	36.2	37.4	40.2	38.4	-	-	-	-	-	-
	TRUCKING AND WAREHOUSING										
42	Trucking and warehousing	40.2	40.7	37.1	40.2	-	-	-	-	-	-
421, 3	Trucking and trucking terminals	40.3	40.8	37.1	40.4	-	-	-	-	-	-
422	Public warehousing	38.9	39.1	37.6	37.8	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	41.2	41.8	41.3	41.3	-	-	-	-	-	-
	COMMUNICATION										
48	Telephone communication	39.6	39.9	39.6	39.4	-	-	-	-	-	-
481	Telephone communication	39.9	40.4	39.9	39.7	-	-	-	-	-	-
4817	Switchboard operating employees ³	34.8	35.2	34.9	33.1	-	-	-	-	-	-
4818	Line construction employees ⁴	45.0	45.4	44.0	44.0	-	-	-	-	-	-
483	Radio and television broadcasting	37.9	38.0	38.2	37.8	-	-	-	-	-	-
	ELECTRIC, GAS, AND SANITARY SERVICES										
49	Electric, gas, and sanitary services	41.6	42.2	41.4	41.4	-	-	-	-	-	-
491	Electric services	42.1	43.1	42.0	41.8	-	-	-	-	-	-
492	Gas production and distribution	40.6	40.5	39.9	40.4	-	-	-	-	-	-
493	Combination utility services	41.5	41.9	41.9	41.6	-	-	-	-	-	-
495	Sanitary services	42.4	42.7	40.9	41.8	-	-	-	-	-	-
	WHOLESALE AND RETAIL TRADE										
	WHOLESALE TRADE										
50, 51	Wholesale trade	38.7	39.0	38.6	38.9	39.2	-	-	-	-	-
	WHOLESALE TRADE-DURABLE GOODS										
50	Wholesale trade-durable goods	39.2	39.6	38.9	39.3	-	-	-	-	-	-
501	Motor vehicles and automotive equipment	38.4	39.0	38.2	38.7	-	-	-	-	-	-
502	Furniture and home furnishings	37.9	37.7	37.0	37.3	-	-	-	-	-	-
503	Lumber and construction materials	39.6	40.1	39.3	39.9	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods	37.9	37.9	37.3	37.3	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1978	June 1978	Apr. 1979	May ^P 1979 ^P	June ^P 1979 ^P	May 1978	June 1978	Apr. 1979	May ^P 1979 ^P	June ^P 1979 ^P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	\$262.28	\$264.94	\$285.98	\$291.77	—	\$6.59	\$6.64	\$7.24	\$7.24	—
506	Electrical goods	226.01	231.47	243.46	245.50	—	5.84	5.86	6.39	6.36	—
507	Hardware, plumbing, and heating equipment	215.00	218.06	229.74	231.17	—	5.57	5.62	6.03	6.02	—
508	Machinery, equipment, and supplies	242.99	245.22	259.24	260.15	—	6.09	6.10	6.53	6.52	—
509	Miscellaneous durable goods	195.32	196.71	207.43	209.86	—	4.97	4.98	5.36	5.34	—
51	WHOLESALE TRADE-NONDURABLE GOODS	217.35	220.98	240.41	241.67	—	5.75	5.80	6.31	6.31	—
511	Paper and paper products	237.04	239.94	278.21	275.58	—	6.53	6.61	7.56	7.55	—
512	Drugs, proprietaries, and sundries	224.32	227.93	243.00	240.15	—	5.95	6.03	6.48	6.37	—
513	Apparel, piece goods, and notions	192.05	192.58	214.39	212.80	—	5.32	5.32	5.81	5.83	—
514	Groceries and related products	222.32	225.02	243.46	245.88	—	5.82	5.86	6.34	6.37	—
516	Chemicals and allied products	249.36	254.26	290.47	287.60	—	6.46	6.57	7.28	7.19	—
517	Petroleum and petroleum products	258.30	262.01	304.07	298.58	—	6.64	6.65	7.64	7.54	—
518	Beer, wine, and distilled beverages	258.38	264.16	269.31	271.58	—	6.89	6.97	7.22	7.34	—
519	Miscellaneous nondurable goods	179.83	182.02	197.74	199.05	—	4.77	4.79	5.19	5.17	—
52-59	RETAIL TRADE	128.24	130.62	137.39	136.95	\$139.50	4.15	4.16	4.49	4.49	\$4.50
52	BUILDING MATERIALS AND GARDEN SUPPLIES	172.21	178.26	181.65	182.89	—	4.58	4.63	4.87	4.89	—
521	Lumber and other building materials	192.37	198.86	201.22	204.22	—	4.87	4.91	5.12	5.17	—
525	Hardware stores	135.37	137.98	144.58	143.82	—	3.89	3.92	4.24	4.23	—
53	GENERAL MERCHANDISE STORES	117.49	120.50	125.71	127.75	—	4.01	4.03	4.32	4.36	—
531	Department stores	122.60	125.70	130.21	133.48	—	4.17	4.19	4.49	4.54	—
533	Variety stores	96.10	98.50	108.63	106.36	—	3.36	3.42	3.67	3.63	—
539	Misc. general merchandise stores	93.81	97.61	101.91	100.39	—	3.18	3.19	3.49	3.51	—
54	FOOD STORES	164.21	170.89	178.96	177.35	—	5.18	5.21	5.61	5.63	—
541	Grocery stores	171.09	177.42	185.79	184.12	—	5.33	5.36	5.77	5.79	—
546	Retail bakeries	113.49	118.01	128.83	124.99	—	3.90	3.96	4.28	4.31	—
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	184.64	186.73	199.28	196.72	—	4.95	4.94	5.30	5.26	—
551.2	New and used car dealers	229.08	231.43	245.31	239.01	—	5.95	5.98	6.29	6.16	—
553	Auto and home supply stores	181.65	182.41	192.30	192.40	—	4.53	4.46	4.76	4.81	—
554	Gasoline service stations	127.33	129.21	136.32	136.57	—	3.68	3.65	3.94	3.97	—
56	APPAREL AND ACCESSORY STORES	108.04	111.14	118.00	115.31	—	3.70	3.68	4.00	3.99	—
561	Men's and boys' clothing and furnishings	134.72	136.78	146.45	145.87	—	4.21	4.17	4.52	4.53	—
562	Women's ready-to-wear stores	96.60	98.36	102.76	102.12	—	3.45	3.38	3.67	3.70	—
565	Family clothing stores	102.47	106.75	112.99	111.16	—	3.45	3.50	3.83	3.82	—
566	Shoe stores	114.40	120.90	127.30	120.42	—	4.00	3.99	4.33	4.24	—
57	FURNITURE AND HOME FURNISHINGS STORES	163.31	166.37	177.32	178.50	—	4.72	4.74	5.11	5.10	—
571	Furniture and home furnishings	171.15	173.18	180.44	181.31	—	4.89	4.92	5.23	5.21	—
572	Household appliance stores	170.72	177.21	192.96	199.47	—	4.92	4.95	5.39	5.48	—
573	Radio, television, and music stores	137.61	142.42	158.47	157.67	—	4.12	4.14	4.62	4.57	—
58	EATING AND DRINKING PLACES ⁵	85.91	87.45	90.55	90.47	—	3.17	3.18	3.43	3.44	—
59	MISCELLANEOUS RETAIL	130.25	131.30	138.29	141.32	—	4.02	4.04	4.39	4.43	—
591	Drug stores and proprietary stores	115.36	117.96	123.93	126.90	—	3.82	3.83	4.05	4.12	—
594	Miscellaneous shopping goods stores	116.69	119.83	124.20	125.03	—	3.74	3.78	4.14	4.14	—
596	Nonstore retailers	163.79	166.14	166.72	174.57	—	4.64	4.68	5.21	5.29	—
598	Fuel and ice dealers	197.49	198.66	224.45	218.31	—	5.17	5.16	5.77	5.70	—
599	Retail stores, nec	133.57	127.40	146.06	151.80	—	3.94	3.92	4.36	4.40	—
—	FINANCE, INSURANCE, AND REAL ESTATE ⁶	176.06	178.49	190.37	188.60	187.36	4.85	4.89	5.23	5.21	5.19
60	BANKING	150.95	152.57	163.60	161.54	—	4.17	4.18	4.47	4.45	—
602	Commercial and stock savings banks	147.70	149.29	161.04	158.99	—	4.08	4.09	4.40	4.38	—
61	CREDIT AGENCIES OTHER THAN BANKS	158.70	160.88	171.12	167.99	—	4.36	4.36	4.65	4.59	—
612	Savings and loan associations	150.84	151.73	165.26	160.47	—	4.19	4.18	4.54	4.47	—
614	Personal credit institutions	154.28	159.27	167.16	164.13	—	4.25	4.27	4.53	4.46	—
63	INSURANCE CARRIERS	192.70	192.92	207.94	208.51	—	5.18	5.20	5.56	5.59	—
631	Life insurance	191.36	192.46	211.30	210.94	—	5.20	5.23	5.59	5.61	—
632	Medical service and health insurance	188.88	185.48	198.97	199.20	—	5.01	4.92	5.32	5.30	—
633	Fire, marine, and casualty insurance	193.29	195.15	206.82	208.82	—	5.21	5.26	5.62	5.69	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	39.8	39.9	39.5	40.3	-	-	-	-	-	
506	Electrical goods	38.7	39.5	38.1	38.6	-	-	-	-	-	
507	Hardware, plumbing, and heating equipment	38.6	38.8	38.1	38.4	-	-	-	-	-	
508	Machinery, equipment, and supplies	39.9	40.2	39.7	39.9	-	-	-	-	-	
509	Miscellaneous durable goods	39.3	39.5	38.7	39.3	-	-	-	-	-	
51	WHOLESALE TRADE-NONDURABLE GOODS ..	37.8	38.1	38.1	38.3	-	-	-	-	-	
511	Paper and paper products	36.3	36.3	36.8	36.5	-	-	-	-	-	
512	Drugs, proprietaries, and sundries	37.7	37.8	37.5	37.7	-	-	-	-	-	
513	Apparel, piece goods, and notions	36.1	36.2	36.9	36.5	-	-	-	-	-	
514	Groceries and related products	38.2	38.4	38.4	38.6	-	-	-	-	-	
516	Chemicals and allied products	38.6	38.7	39.9	40.0	-	-	-	-	-	
517	Petroleum and petroleum products	38.9	39.4	39.8	39.6	-	-	-	-	-	
518	Beer, wine, and distilled beverages	37.5	37.9	37.3	37.0	-	-	-	-	-	
519	Miscellaneous nondurable goods	37.7	38.0	38.1	38.5	-	-	-	-	-	
52-59	RETAIL TRADE	30.9	31.4	30.6	30.5	31.0	-	-	-	-	
52	BUILDING MATERIALS AND GARDEN SUPPLIES	37.6	38.5	37.3	37.4	-	-	-	-	-	
521	Lumber and other building materials	39.5	40.5	39.3	39.5	-	-	-	-	-	
525	Hardware stores	34.8	35.2	34.1	34.0	-	-	-	-	-	
53	GENERAL MERCHANDISE STORES	29.3	29.9	29.1	29.3	-	-	-	-	-	
531	Department stores	29.4	30.0	29.0	29.4	-	-	-	-	-	
533	Variety stores	28.6	28.8	29.6	29.3	-	-	-	-	-	
539	Misc. general merchandise stores	29.5	30.6	29.2	28.6	-	-	-	-	-	
54	FOOD STORES	31.7	32.8	31.9	31.5	-	-	-	-	-	
541	Grocery stores	32.1	33.1	32.2	31.8	-	-	-	-	-	
546	Retail bakeries	29.1	29.8	30.1	29.0	-	-	-	-	-	
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	37.3	37.8	37.6	37.4	-	-	-	-	-	
551, 2	New and used car dealers	38.5	38.7	39.0	38.8	-	-	-	-	-	
553	Auto and home supply stores	40.1	40.9	40.4	40.0	-	-	-	-	-	
554	Gasoline service stations	34.6	35.4	34.6	34.4	-	-	-	-	-	
56	APPAREL AND ACCESSORY STORES	29.2	30.2	29.5	28.9	-	-	-	-	-	
561	Men's and boys' clothing and furnishings	32.0	32.8	32.4	32.2	-	-	-	-	-	
562	Women's ready-to-wear stores	28.0	29.1	28.0	27.6	-	-	-	-	-	
565	Family clothing stores	29.7	30.5	29.5	29.1	-	-	-	-	-	
566	Shoe stores	28.6	30.3	29.4	28.4	-	-	-	-	-	
57	FURNITURE AND HOME FURNISHINGS STORES	34.6	35.1	34.7	35.0	-	-	-	-	-	
571	Furniture and home furnishings	35.0	35.2	34.5	34.8	-	-	-	-	-	
572	Household appliance stores	34.7	35.8	35.8	36.4	-	-	-	-	-	
573	Radio, television, and music stores	33.4	34.4	34.3	34.5	-	-	-	-	-	
58	EATING AND DRINKING PLACES ⁵	27.1	27.5	26.4	26.3	-	-	-	-	-	
59	MISCELLANEOUS RETAIL	32.4	32.5	31.5	31.9	-	-	-	-	-	
591	Drug stores and proprietary stores	30.2	30.8	30.6	30.8	-	-	-	-	-	
594	Miscellaneous shopping goods stores	31.2	31.7	30.0	30.2	-	-	-	-	-	
596	Nonstore retailers	35.3	35.5	32.0	33.0	-	-	-	-	-	
598	Fuel and ice dealers	38.2	38.5	38.9	38.3	-	-	-	-	-	
599	Retail stores, nec	33.9	32.5	33.5	34.5	-	-	-	-	-	
-	FINANCE, INSURANCE, AND REAL ESTATE ⁶	36.3	36.5	36.4	36.2	36.1	-	-	-	-	
60	BANKING	36.2	36.5	36.6	36.3	-	-	-	-	-	
802	Commercial and stock savings banks	36.2	36.5	36.6	36.3	-	-	-	-	-	
61	CREDIT AGENCIES OTHER THAN BANKS	36.4	36.9	36.8	36.6	-	-	-	-	-	
612	Savings and loan associations	36.0	36.3	36.4	35.9	-	-	-	-	-	
614	Personal credit institutions	36.3	37.3	36.9	36.8	-	-	-	-	-	
63	INSURANCE CARRIERS	37.2	37.1	37.4	37.3	-	-	-	-	-	
631	Life insurance	36.8	36.8	37.8	37.6	-	-	-	-	-	
632	Medical service and health insurance	37.7	37.7	37.4	37.6	-	-	-	-	-	
633	Fire, marine, and casualty insurance	37.1	37.1	36.8	36.7	-	-	-	-	-	

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P
-	SERVICES	\$161.37	\$162.69	\$172.25	\$171.60	\$172.86	\$4.95	\$4.93	\$5.30	\$5.28	\$5.27
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts	111.50	112.32	120.82	119.69	-	3.62	3.60	3.91	3.95	-
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	128.37	129.80	137.89	140.07	-	3.71	3.73	4.02	4.06	-
723	Beauty shops	125.24	124.87	129.69	133.14	-	3.83	3.89	4.17	4.20	-
	BUSINESS SERVICES										
73	Advertising	166.98	168.15	176.26	176.04	-	5.06	5.08	5.44	5.40	-
731	Services to buildings	254.51	253.76	271.40	268.22	-	7.05	7.01	7.56	7.43	-
734	Computer and data processing services	124.76	123.60	125.89	128.86	-	4.44	4.43	4.68	4.72	-
737	.....	202.75	210.13	225.82	223.25	-	5.57	5.71	6.17	6.15	-
	AUTO REPAIR, SERVICES, AND GARAGES										
75	Automotive repair shops	184.51	188.12	203.25	205.88	-	4.96	4.99	5.42	5.49	-
753	.....	207.34	213.30	225.15	228.49	-	5.33	5.40	5.70	5.77	-
76	MISCELLANEOUS REPAIR SERVICES	242.40	243.76	248.06	253.49	-	6.00	5.96	6.28	6.29	-
	MOTION PICTURES										
78	Motion picture production and services	178.11	176.40	206.23	171.01	-	6.43	6.30	7.61	6.68	-
781	.....	366.34	353.79	411.68	352.85	-	9.54	9.64	10.92	9.31	-
79	AMUSEMENT AND RECREATION SERVICES ..	139.52	141.15	148.72	145.66	-	4.62	4.37	4.86	5.04	-
	HEALTH SERVICES										
80	Offices of physicians	154.63	157.18	167.13	166.62	-	4.70	4.72	5.08	5.08	-
801	Offices of dentists	163.82	162.84	173.76	173.76	-	4.89	4.89	5.33	5.28	-
802	Nursing and personal care facilities	134.32	137.46	149.41	147.46	-	4.68	4.74	5.17	5.12	-
805	Hospitals	109.34	111.43	119.81	116.89	-	3.55	3.56	3.84	3.82	-
806	.....	168.82	171.66	181.70	182.38	-	4.98	4.99	5.36	5.38	-
81	LEGAL SERVICES	207.81	212.66	222.44	220.71	-	6.13	6.20	6.66	6.53	-
	MISCELLANEOUS SERVICES										
89	Engineering and architectural services	268.66	268.28	291.04	289.17	-	7.07	7.06	7.54	7.55	-
891	Accounting, auditing, and bookkeeping	292.92	290.51	311.04	313.50	-	7.53	7.43	8.10	8.08	-
893	.....	226.64	229.02	262.54	250.59	-	6.06	6.14	6.58	6.56	-

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

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

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

⁴ Data relate to employees in such occupations in the telephone industry as central office craft

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

⁵ Money payments only; tips, not included.

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

* Not available.

p=preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1978	June 1978	Apr. 1978	May 1979 ^P	June 1979 ^P	May 1978	June 1978	Apr. 1979	May 1979 ^P	June 1979 ^P
-	SERVICES	32.6	33.0	32.5	32.5	32.8	-	-	-	-	-
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts	30.8	31.2	30.9	30.3	-	-	-	-	-	
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	34.6	34.8	34.3	34.5	-	-	-	-	-	
723	Beauty shops	32.7	32.1	31.1	31.7	-	-	-	-	-	
73	BUSINESS SERVICES	33.0	33.1	32.4	32.6	-	-	-	-	-	
731	Advertising	36.1	36.2	35.9	36.1	-	-	-	-	-	
734	Services to buildings	28.1	27.9	26.9	27.3	-	-	-	-	-	
737	Computer and data processing services	36.4	36.8	36.6	36.3	-	-	-	-	-	
75	AUTO REPAIR, SERVICES, AND GARAGES	37.2	37.7	37.5	37.5	-	-	-	-	-	
753	Automotive repair shops	38.9	39.5	39.5	39.6	-	-	-	-	-	
76	MISCELLANEOUS REPAIR SERVICES	40.4	40.9	39.5	40.3	-	-	-	-	-	
78	MOTION PICTURES	27.7	28.0	27.1	25.6	-	-	-	-	-	
781	Motion picture production and services	38.4	36.7	37.7	37.9	-	-	-	-	-	
79	AMUSEMENT AND RECREATION SERVICES	30.2	32.3	30.6	28.9	-	-	-	-	-	
80	HEALTH SERVICES	32.9	33.3	32.9	32.8	-	-	-	-	-	
801	Offices of physicians	33.5	33.3	32.6	32.8	-	-	-	-	-	
802	Offices of dentists	28.7	29.0	28.9	28.8	-	-	-	-	-	
805	Nursing and personal care facilities	30.8	31.3	31.2	30.6	-	-	-	-	-	
806	Hospitals	33.9	34.4	33.9	33.9	-	-	-	-	-	
81	LEGAL SERVICES	33.9	34.3	33.4	33.8	-	-	-	-	-	
89	MISCELLANEOUS SERVICES	38.0	38.0	38.6	38.3	-	-	-	-	-	
891	Engineering and architectural services	38.9	39.1	38.4	38.8	-	-	-	-	-	
893	Accounting, auditing, and bookkeeping	37.4	37.3	39.9	38.2	-	-	-	-	-	

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	1978											1979	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Executive Branch													
Total employment	2,668.2	2,672.9	2,686.7	2,702.9	2,747.5	2,760.3	2,738.5	2,691.9	2,694.5	2,694.4	2,681.2	2,677.5	2,686.3
Average weekly hours	39.9	39.9	39.6	39.5	39.6	39.8	39.7	39.5	39.9	39.9	40.1	39.7	39.7
Average overtime hours	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.2	1.5	1.2	1.1
Indexes (1967=100):													
Average weekly earnings ..	230.2	227.4	226.5	226.0	226.5	227.7	226.8	230.0	242.0	^c 239.2	244.3	243.2	242.4
Average hourly earnings ..	227.3	226.2	225.4	225.4	225.4	225.4	225.1	229.5	238.9	^c 242.2	240.0	241.4	240.5
Department of Defense													
Total employment	906.0	905.6	905.4	911.3	924.8	927.1	918.6	905.4	905.8	905.3	902.0	896.0	895.0
Average weekly hours	40.1	40.0	40.1	40.0	40.0	40.1	40.1	39.7	39.9	40.0	39.8	39.9	39.9
Average overtime hours .....	.8	.9	.9	.9	1.0	.9	1.0	1.2	1.0	.8	.9	.8	.9
Indexes (1967=100):													
Average weekly earnings ..	222.3	221.5	222.1	222.0	221.5	220.4	221.2	223.3	232.5	233.7	234.1	234.7	234.7
Average hourly earnings ..	223.4	223.2	223.2	223.7	223.2	221.5	222.3	226.7	234.9	235.4	237.1	237.1	237.1
Postal Service													
Total employment	646.9	647.6	647.9	648.3	648.3	647.5	649.0	651.9	646.9	651.4	651.4	653.0	655.2
Average weekly hours	41.5	40.4	40.1	39.9	40.0	40.2	39.9	39.7	41.5	41.2	42.6	41.2	41.0
Average overtime hours	2.1	1.7	1.5	1.5	1.6	1.8	1.5	1.8	2.3	1.9	3.1	2.6	1.8
Indexes (1967=100):													
Average weekly earnings ..	266.5	258.5	256.2	254.3	259.7	261.9	260.3	259.3	278.7	275.9	289.4	280.8	276.9
Average hourly earnings ..	247.9	247.0	246.6	246.0	250.6	251.5	251.8	252.1	259.5	258.5	262.2	263.1	260.7
Other Agencies													
Total employment	1,115.3	1,119.7	1,133.4	1,143.3	1,174.4	1,185.7	1,170.9	1,134.6	1,141.8	1,137.7	1,127.8	1,128.5	1,136.1
Average weekly hours	38.9	38.8	38.9	38.8	39.0	39.3	39.9	39.1	39.0	39.0	38.8	38.7	38.8
Average overtime hours	1.0	1.0	1.0	1.0	1.0	1.1	1.2	1.2	1.1	1.0	1.0	.9	1.0
Indexes (1967=100):													
Average weekly earnings ..	217.6	215.1	214.1	213.4	212.0	214.6	213.4	218.3	229.1	231.4	227.7	229.9	229.7
Average hourly earnings ..	217.1	215.1	213.6	213.4	210.9	211.9	210.6	216.6	228.0	230.2	227.7	230.4	229.7

NOTE: The hours and earnings averages presented in this table have been computed using data collected by the U.S. Civil Service Commission from agencies with 2500 or more employees in the Executive Branch of the Federal Government; the data cover both salaried workers and hourly paid wage-board employees. Since these averages relate to hours and earnings of all workers both supervisory and nonsupervisory, they are not comparable to similar data presented in table C-2 which relate only to production or nonsupervisory workers. The total employment levels shown include all workers in the Executive Branch regardless of the size of the agency.

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

Major industry group	Average hourly earnings excluding overtime ¹				
	May 1978	June 1978	Apr. 1979	May 1979 ^p	June 1979 ^p
MANUFACTURING	\$5.82	\$5.85	\$6.33	\$6.36	\$6.38
DURABLE GOODS	6.19	6.23	6.73	6.76	6.79
Lumber and wood products	5.25	5.40	5.67	5.69	-
Furniture and fixtures	4.47	4.50	4.83	4.84	-
Stone, clay, and glass products	5.90	5.96	6.38	6.41	-
Primary metal industries	7.68	7.72	8.55	8.42	-
Fabricated metal products	6.00	6.02	6.44	6.49	-
Machinery, except electrical	6.33	6.39	6.86	6.90	-
Electric and electronic equipment	5.55	5.56	5.98	6.02	-
Transportation equipment	7.33	7.37	7.98	8.08	-
Instruments and related products	5.50	5.49	5.89	5.93	-
Miscellaneous manufacturing industries	4.52	4.53	4.86	4.88	-
NONDURABLE GOODS	5.24	5.26	5.71	5.70	5.71
Food and kindred products	5.49	5.48	5.93	5.95	-
Tobacco manufactures	6.24	6.38	6.85	6.84	-
Textile mill products	4.01	4.02	4.35	4.34	-
Apparel and other textile products	3.83	3.84	4.15	4.14	-
Paper and allied products	6.03	6.15	6.60	6.61	-
Printing and publishing	6.16	6.20	6.50	6.55	-
Chemicals and allied products	6.66	6.69	7.19	7.16	-
Petroleum and coal products	8.14	8.11	8.97	8.92	-
Rubber and misc. plastics products	5.21	5.23	5.63	5.64	-
Leather and leather products	3.78	3.78	4.13	4.09	-

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

^ppreliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

Industry	Gross average weekly earnings			Spendable average weekly earnings ²					
				Worker with no dependents			Married worker with 3 dependents		
	May 1978	Apr. 1979	May 1979 ^P	May 1978	Apr. 1979	May 1979 ^P	May 1978	Apr. 1979	May 1979 ^P
TOTAL PRIVATE:									
Current dollars	\$200.63	\$211.30	\$216.45	\$163.18	\$171.72	\$175.48	\$178.41	\$188.12	\$192.13
1967 dollars	103.79	99.76	101.00	84.42	81.08	81.89	92.30	88.82	89.65
MINING:									
Current dollars	331.58	362.95	360.38	251.51	274.03	272.38	275.57	301.69	299.82
1967 dollars	171.54	171.36	168.17	130.11	129.38	127.10	142.56	142.44	139.91
CONSTRUCTION:									
Current dollars	312.68	320.21	328.89	239.35	246.73	258.66	261.97	270.55	284.16
1967 dollars	161.76	151.19	158.14	123.82	116.49	120.70	135.53	127.74	132.60
MANUFACTURING:									
Current dollars	245.23	254.41	265.46	194.62	202.32	210.04	211.84	221.05	229.43
1967 dollars	126.86	120.12	123.87	100.68	95.52	98.01	109.59	104.37	107.06
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	297.26	307.72	317.21	229.33	238.75	244.81	250.88	261.45	268.36
1967 dollars	153.78	145.29	148.02	118.64	112.72	114.24	129.79	123.44	125.23
WHOLESALE AND RETAIL TRADE:									
Current dollars	150.75	162.50	162.00	126.66	135.75	135.38	140.09	152.54	152.07
1967 dollars	77.99	76.72	75.59	65.53	64.09	63.17	72.47	72.02	70.96
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	176.06	190.37	188.60	145.51	156.47	155.18	159.58	172.06	170.91
1967 dollars	91.08	89.88	88.01	75.28	73.88	72.41	82.56	81.24	79.75
SERVICES:									
Current dollars	161.37	172.25	171.60	134.62	143.05	142.57	148.13	160.00	159.57
1967 dollars	83.48	81.33	80.07	69.64	67.54	66.53	76.63	75.54	74.46
CONSUMER PRICE INDEX FOR URBAN WAGE EARNERS AND CLERICAL WORKERS (CPI-W, All items, 1967=100)	193.3	211.8	214.3						

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

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

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

p=preliminary (applicable to earnings data only).

ESTABLISHMENT DATA HOURS AND EARNINGS

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

[1967=100]

Industry division and group	May 1978	June 1978	Apr. 1979	May 1979 ^p	June 1979 ^p
	Hours				
TOTAL PRIVATE	119.6	122.9	120.6	123.6	126.3
GOODS-PRODUCING	104.7	108.8	103.8	108.9	111.9
MINING	143.4	148.3	146.1	148.5	155.0
CONSTRUCTION	117.6	130.9	118.4	132.5	142.1
MANUFACTURING	101.0	103.5	99.8	103.3	105.1
DURABLE GOODS	103.5	105.8	103.2	107.4	108.8
Lumber and wood products.....	113.6	102.4	110.2	113.8	120.4
Furniture and fixtures.....	108.4	110.7	102.4	103.6	105.5
Stone, clay, and glass products.....	112.5	116.7	109.6	113.7	115.9
Primary metal industries.....	94.3	96.4	99.0	97.6	98.9
Fabricated metal products.....	102.8	104.2	99.9	104.8	106.2
Machinery, except electrical.....	108.4	111.5	114.3	118.0	119.5
Electric and electronic equipment.....	99.0	101.0	100.8	104.9	106.5
Transportation equipment.....	98.1	98.4	91.9	101.7	99.8
Instruments and related products.....	120.4	123.6	126.1	128.8	131.0
Miscellaneous manufacturing industries.....	101.2	103.6	95.5	98.1	101.8
NONDURABLE GOODS	97.5	100.0	94.8	97.3	99.6
Food and kindred products.....	89.7	93.4	88.3	90.5	94.1
Tobacco manufactures.....	70.3	75.5	69.0	70.9	72.7
Textile mill products.....	92.8	94.3	87.0	90.6	92.6
Apparel and other textile products.....	91.7	93.8	84.6	87.9	89.6
Paper and allied products.....	100.9	104.0	99.2	101.6	103.7
Printing and publishing.....	97.5	98.6	99.6	101.3	102.7
Chemicals and allied products.....	106.4	107.9	107.3	107.2	108.3
Petroleum and coal products.....	118.8	124.7	123.6	126.5	131.5
Rubber and misc. plastics products.....	144.0	148.6	144.4	149.1	152.0
Leather and leather products.....	71.7	73.8	61.7	64.9	66.8
SERVICE-PRODUCING	129.9	132.8	132.2	133.8	136.4
TRANSPORTATION AND PUBLIC UTILITIES	108.3	110.8	106.0	111.7	114.5
WHOLESALE AND RETAIL TRADE	126.0	128.8	127.6	128.5	131.2
WHOLESALE TRADE	124.7	127.6	128.3	130.0	132.7
RETAIL TRADE	126.5	129.3	127.4	128.0	130.7
FINANCE, INSURANCE, AND REAL ESTATE	136.2	139.4	142.7	143.1	144.6
SERVICES	143.6	146.6	147.5	148.5	151.2

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

^ppreliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

[1967=100]

Industry division and group	May 1978	June 1978	Apr. 1979	May 1979 ^p	June 1979 ^p
	Payrolls				
TOTAL PRIVATE	250.5	259.3	271.0	280.4	287.9
GOODS-PRODUCING	226.1	237.5	241.5	256.9	265.7
MINING	343.6	357.5	390.5	392.3	412.7
CONSTRUCTION	243.5	272.6	259.5	293.6	314.8
MANUFACTURING	217.0	223.7	231.1	242.2	247.3
DURABLE GOODS	223.4	230.1	239.2	253.1	257.5
Lumber and wood products	263.8	288.0	274.7	286.1	313.0
Furniture and fixtures	215.6	221.8	217.5	221.4	229.2
Stone, clay, and glass products	249.5	261.8	261.1	273.2	281.3
Primary metal industries	226.9	233.7	264.4	257.9	263.2
Fabricated metal products	216.6	220.0	222.1	238.3	243.2
Machinery, except electrical	225.5	234.5	254.0	267.6	272.9
Electric and electronic equipment	204.4	209.3	222.5	235.2	239.8
Transportation equipment	221.5	223.7	221.1	253.2	247.6
Instruments and related products	239.4	245.1	266.6	276.1	280.5
Miscellaneous manufacturing industries	200.2	205.6	201.5	209.2	217.0
NONDURABLE GOODS	206.2	212.9	217.2	223.6	229.9
Food and kindred products	195.7	203.4	207.2	213.6	221.1
Tobacco manufactures	200.7	220.0	209.7	216.0	227.0
Textile mill products	189.1	192.7	189.2	199.0	203.4
Apparel and other textile products	175.9	180.9	174.5	181.8	186.3
Paper and allied products	224.0	235.6	240.2	246.4	254.3
Printing and publishing	190.0	193.1	203.5	209.3	214.1
Chemicals and allied products	238.0	241.9	259.1	257.7	263.2
Petroleum and coal products	284.5	296.9	325.5	332.1	345.8
Rubber and misc. plastics products	285.7	296.0	305.0	319.1	327.4
Leather and leather products	134.8	138.7	124.7	130.8	135.8
SERVICE-PRODUCING	271.5	278.1	296.3	300.7	307.1
TRANSPORTATION AND PUBLIC UTILITIES	249.5	255.9	257.9	274.4	283.3
WHOLESALE AND RETAIL TRADE	257.3	264.4	283.3	285.4	292.0
WHOLESALE TRADE	250.6	257.8	281.3	284.6	291.2
RETAIL TRADE	261.1	268.0	284.5	285.9	292.5
FINANCE, INSURANCE, AND REAL ESTATE	255.7	263.6	288.6	288.7	290.4
SERVICES	310.3	315.8	341.5	342.4	348.3

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

^ppreliminary.

ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

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

Industry	1978							1979					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P	June ^P
TOTAL PRIVATE	35.9	35.9	35.9	35.8	35.8	35.9	35.8	35.9	35.7	35.7	35.4	35.7	35.6
MINING	43.4	43.4	43.0	43.6	43.0	43.0	43.3	43.7	43.4	43.0	43.0	42.8	43.3
CONSTRUCTION	36.6	37.3	37.3	37.1	37.0	36.9	36.8	37.2	35.9	36.4	35.8	37.1	37.3
MANUFACTURING	40.4	40.5	40.5	40.3	40.4	40.5	40.7	40.7	40.7	40.7	39.2	40.2	40.1
<i>Overtime hours</i>	3.5	3.6	3.6	3.4	3.6	3.6	3.7	3.8	3.8	3.8	2.8	3.4	3.4
DURABLE GOODS	41.0	41.2	41.2	41.0	41.1	41.2	41.4	41.5	41.5	41.5	39.6	40.8	40.7
<i>Overtime hours</i>	3.7	3.7	3.8	3.6	3.8	3.9	4.0	4.1	4.2	4.2	2.8	3.6	3.6
Lumber and wood products	39.5	40.0	39.8	39.3	39.6	40.1	40.1	40.1	40.0	39.5	39.2	39.3	39.7
Furniture and fixtures	39.4	39.5	39.3	39.0	38.8	39.0	39.2	39.2	39.2	38.8	38.1	38.5	38.5
Stone, clay, and glass products	41.6	41.9	41.7	41.6	41.8	41.8	41.9	42.0	41.4	41.5	41.3	41.7	41.5
Primary metal industries	41.7	41.8	41.8	42.0	41.8	42.1	42.3	42.2	42.4	42.3	41.7	41.2	40.9
Fabricated metal products	41.1	41.0	41.0	40.9	40.9	40.8	41.1	41.4	41.2	41.4	39.1	40.6	40.6
Machinery, except electrical	42.1	42.3	42.2	41.8	41.9	42.0	42.2	42.5	42.2	42.6	40.5	42.2	42.1
Electric and electronic equipment	40.2	40.2	40.7	40.4	40.1	40.3	40.4	40.5	40.7	40.9	39.0	40.3	39.9
Transportation equipment	41.8	42.0	42.1	41.8	42.5	42.6	42.9	42.9	43.0	42.7	38.0	41.2	41.0
Instruments and related products	40.8	40.8	40.7	41.0	40.9	40.9	40.9	40.9	41.1	41.1	40.2	40.7	40.5
Miscellaneous manufacturing ind	38.8	38.8	38.8	39.0	39.0	38.8	38.8	38.8	39.1	39.0	37.7	38.5	39.1
NONDURABLE GOODS	39.5	39.4	39.4	39.3	39.4	39.3	39.6	39.5	39.6	39.4	38.7	39.2	39.1
<i>Overtime hours</i>	3.2	3.1	3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.2	2.7	3.0	3.0
Food and kindred products	39.8	39.6	39.8	39.5	39.5	39.9	40.0	40.0	40.1	39.7	39.7	39.9	39.9
Tobacco manufactures	38.7	39.6	38.6	37.7	37.9	36.7	37.4	38.1	36.7	36.7	37.9	38.9	38.1
Textile mill products	40.5	40.3	40.2	40.4	40.4	40.3	40.4	40.4	40.9	40.0	38.9	39.9	39.8
Apparel and other textile products	35.9	35.8	35.8	35.6	35.7	35.2	35.7	35.6	35.3	35.5	34.3	35.2	35.2
Paper and allied products	42.9	42.9	42.9	42.7	42.7	42.6	43.1	42.7	42.9	42.9	42.3	42.6	42.2
Printing and publishing	37.3	37.5	37.6	37.4	37.8	37.7	37.9	37.6	37.7	37.7	37.2	37.3	37.5
Chemicals and allied products	41.9	41.9	41.8	41.9	41.8	41.9	42.1	41.8	42.0	41.9	41.8	41.9	41.4
Petroleum and coal products	42.9	43.4	43.9	44.3	43.8	43.9	44.2	43.7	43.4	43.4	44.1	43.9	43.7
Rubber and misc. plastics products	41.1	41.1	40.9	40.9	41.0	41.0	41.1	41.2	41.5	41.5	39.8	40.8	40.7
Leather and leather products	37.6	37.4	37.2	37.1	37.2	37.1	36.8	36.7	37.0	36.3	35.8	36.2	36.2
TRANSPORTATION AND PUBLIC UTILITIES	40.2	40.1	39.6	39.9	40.1	40.1	40.0	40.0	40.2	40.0	39.3	40.1	40.1
WHOLESALE AND RETAIL TRADE	32.9	32.8	32.9	32.8	32.8	32.9	32.8	32.9	32.4	32.5	32.8	32.7	32.6
WHOLESALE TRADE	38.7	38.8	38.7	38.8	39.0	38.9	38.8	38.9	38.7	38.7	38.8	38.9	39.0
RETAIL TRADE	31.1	31.0	31.1	30.9	30.9	31.0	30.9	31.0	30.5	30.6	30.9	30.7	30.6
FINANCE, INSURANCE, AND REAL ESTATE	36.3	36.5	36.6	36.5	36.5	36.6	36.3	36.3	36.3	36.3	36.5	36.2	36.1
SERVICES	32.9	32.8	32.8	32.7	32.8	32.8	32.7	32.5	32.6	32.6	32.7	32.7	32.6

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

^ppreliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**

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

[1967=100]

Industry division and group	1978							1979					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P	June ^P
TOTAL PRIVATE	120.0	120.6	120.6	120.4	120.8	121.6	122.4	122.9	122.6	123.2	122.4	124.0	123.9
GOODS-PRODUCING	105.1	106.0	106.1	105.4	105.5	106.5	108.0	109.1	108.7	109.1	106.3	109.2	109.1
MINING	143.1	144.0	143.5	145.7	144.4	145.2	148.0	149.1	149.2	149.3	149.1	148.4	150.6
CONSTRUCTION	117.1	122.8	124.2	122.8	122.6	123.8	124.3	126.5	120.6	122.4	124.6	131.8	133.3
MANUFACTURING	101.6	101.7	101.6	101.0	101.2	102.1	103.7	104.6 ^C	105.2	105.4	101.6	103.9	103.3
DURABLE GOODS	103.5	103.8	104.0	103.5	103.9	105.5	107.1	108.3	108.8	109.6	104.4	107.4	106.8
Lumber and wood products	111.8	113.6	112.3	110.7	111.6	113.9	115.3	116.2	116.6	115.5	112.5	111.9	113.6
Furniture and fixtures	110.3	109.5	108.3	106.4	106.2	107.5	108.6	109.4	110.0	108.6	105.3	105.3	104.5
Stone, clay, and glass products	111.4	112.4	111.1	109.8	110.1	110.8	112.0	113.3	111.5	112.2	111.8	112.5	111.8
Primary metal industries	93.9	94.1	94.4	95.3	95.5	96.9	99.0	99.2	99.7	100.5	99.0	97.1	96.6
Fabricated metal products	103.3	102.4	102.0	101.8	102.0	103.1	105.2	106.8	106.6	108.0	101.4	105.1	104.6
Machinery, except electrical	109.5	111.3	112.1	110.8	111.5	113.6	114.5	116.9	117.0	119.2	114.6	119.3	119.4
Electric and electronic equipment	99.8	99.8	101.8	101.1	100.1	101.4	102.6	103.4	105.1	106.4	102.6	105.9	105.4
Transportation equipment	96.6	95.8	96.2	96.1	97.7	100.4	102.8	103.8	104.7	105.0	92.3	100.0	97.0
Instruments and related products	120.8	122.4	123.6	123.9	123.9	124.5	125.7	126.9	128.8	130.0	127.8	129.0	129.6
Miscellaneous manufacturing ind	101.5	101.4	99.8	100.6	100.3	100.9	101.8	101.5	102.9	102.3	97.8	98.4	99.6
NONDURABLE GOODS	98.9	98.7	98.1	97.2	97.2	97.2	98.8	99.1	99.9	99.2	97.5	98.8	98.3
Food and kindred products	94.6	94.0	93.6	91.4	91.3	92.2	94.6	96.1	97.0	95.3	95.7	95.5	94.8
Tobacco manufactures	81.5	84.1	78.6	71.5	74.5	73.5	73.5	77.6	74.8	73.5	77.2	82.0	81.6
Textile mill products	92.6	91.8	91.5	91.2	91.8	91.6	92.4	92.2	93.6	91.3	87.9	90.3	90.1
Apparel and other textile products	91.9	91.4	90.1	90.1	90.1	88.7	90.0	89.8	89.6	89.2	85.9	88.0	87.3
Paper and allied products	101.9	101.9	101.9	99.2	99.0	98.2	100.5	100.7	101.7	102.5	102.2	102.7	101.6
Printing and publishing	98.2	98.6	99.1	98.3	97.8	98.5	100.3	100.1	101.1	101.7	100.8	101.7	102.7
Chemicals and allied products	106.9	106.9	106.6	106.0	106.0	106.2	107.2	107.0	107.8	107.6	107.3	107.6	107.3
Petroleum and coal products	118.4	120.4	121.2	123.2	122.7	123.0	124.7	124.2	123.3	124.2	126.2	125.7	126.9
Rubber and misc. plastics products	146.6	147.0	146.2	145.4	145.0	147.0	149.6	152.3	153.9	154.9	147.8	151.8	150.2
Leather and leather products	70.4	70.1	67.1	69.1	69.6	68.8	67.3	66.5	66.7	64.2	62.4	63.7	63.4
SERVICE-PRODUCING	130.5	130.7	130.7	130.8	131.4	132.0	132.3	132.5 ^C	132.3	132.9	133.7	134.3	134.3
TRANSPORTATION AND PUBLIC UTILITIES	109.0	109.4	106.5	107.7	108.2	109.9	110.2	110.3	111.2	111.2	107.5	112.3	113.0
WHOLESALE AND RETAIL TRADE	126.8	126.8	127.4	127.2	127.5	128.2	128.4	128.7	127.6	128.4	129.8	129.4	129.1
WHOLESALE TRADE	125.2	126.1	125.7	126.1	127.1	127.4	127.6	128.5	128.4	128.9	130.0	130.5	131.3
RETAIL TRADE	127.3	127.0	128.0	127.7	127.7	128.5	128.7	128.8	127.3	128.2	129.8	129.0	128.3
FINANCE, INSURANCE, AND REAL ESTATE	136.2	137.9	139.0	139.2	139.6	140.5	140.6	140.9	141.7	142.0	143.6	142.8	143.0
SERVICES	143.8	143.9	144.1	144.1	145.1	145.0	145.6	145.4	145.8	146.6	148.2	148.7	148.7

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

^ppreliminary.

^ccorrected.

ESTABLISHMENT DATA SEASONALLY ADJUSTED

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

Industry	1978							1979					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P	June ^P
Hourly Earnings Index² (1967=100)													
TOTAL PRIVATE (In current dollars) . . .	212.3	214.1	214.6	216.2	218.0	219.0	220.7	222.8	223.9	225.3	227.0	227.5	228.4
MINING	239.8	244.3	244.5	247.1	249.7	249.8	249.1	251.7	253.3	256.0	264.2	262.3	264.7
CONSTRUCTION	207.6	207.9	209.2	209.9	210.6	211.4	212.5	213.4	216.3	216.5	218.0	220.3	220.4
MANUFACTURING	214.7	216.7	217.5	218.9	220.8	222.4	224.1	225.4	227.1	228.8	231.1	232.1	233.2
TRANSPORTATION AND PUBLIC UTILITIES	229.6	230.4	231.2	233.3	234.0	234.7	238.3	240.7	241.6	242.7	241.9	244.4	245.8
WHOLESALE AND RETAIL TRADE	205.2	207.6	208.3	209.9	211.6	213.0	214.6	217.8	218.1	219.8	221.0	221.1	222.0
FINANCE, INSURANCE, AND REAL ESTATE	194.6	196.9	196.0	198.2	199.8	200.8	202.0	202.3	203.9	204.3	207.6	206.7	206.7
SERVICES	211.5	213.2	212.9	214.8	217.5	217.8	218.9	221.7	222.2	223.5	225.3	224.2	225.3
TOTAL PRIVATE (In 1967 dollars) ³	108.8	109.1	108.7	108.7	108.7	108.5	108.6	108.6	107.8	107.3	107.0	106.1	-
Average hourly earnings													
TOTAL PRIVATE	\$5.66	\$5.71	\$5.73	\$5.77	\$5.82	\$5.87	\$5.91	\$5.97	\$5.99	\$6.04	\$6.04	\$6.09	\$6.12
MINING	7.71	7.85	7.88	7.88	7.99	8.03	8.03	8.12	8.18	8.25	8.53	8.44	8.52
CONSTRUCTION	8.65	8.66	8.72	8.75	8.77	8.82	8.86	8.92	9.05	9.03	9.11	9.18	9.20
MANUFACTURING	6.12	6.18	6.20	6.25	6.32	6.38	6.43	6.45	6.52	6.56	6.56	6.63	6.66
TRANSPORTATION AND PUBLIC UTILITIES	7.52	7.53	7.58	7.65	7.66	7.68	7.81	7.89	7.92	7.95	7.91	8.01	8.06
WHOLESALE AND RETAIL TRADE	4.63	4.67	4.70	4.73	4.77	4.81	4.84	4.93	4.93	4.97	5.00	5.00	5.02
FINANCE, INSURANCE, AND REAL ESTATE	4.89	4.95	4.92	4.98	5.03	5.06	5.08	5.09	5.13	5.14	5.23	5.20	5.21
SERVICES	4.96	5.01	5.02	5.05	5.10	5.11	5.14	5.21	5.22	5.25	5.29	5.27	5.30
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars	203.19	204.99	205.13	206.57	208.94	210.15	212.17	213.13	213.84	216.84	213.82	217.41	217.87
1967 dollars ³	104.20	104.48	103.97	103.86	104.16	104.14	104.41	103.86	102.96	103.31	100.76	101.40	-
Real spendable earnings (married worker with 3 dependents, 1967 dollars) ^{3, 4}	92.48	92.60	92.13	91.94	92.04	91.95	92.06	92.37	91.53	91.68	89.58	89.96	-

¹ For coverage of series, see footnote 1, table B-2.
² The index excludes effects of two types of changes that are unrelated to underlying wage-rate developments: Fluctuations in overtime premiums in manufacturing (the only sector for which overtime data are available) and the effects of changes in the proportion of workers in high-wage and low-wage industries.
³ The CPI-W is used to deflate these series to 1967 dollars.
⁴ See footnote 2, table C-5.
 N.A.—not available.
 p—preliminary.

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

Industry division	Millions of hours (Annual rate) ²			Percent change		
	APRIL 1979	MAY 1979p	JUNE 1979p	June 1978 to June 1979	April 1979 to May 1979	May 1979 to June 1979
TOTAL	164,798	166,873	167,110	2.5	1.3	0.1
PRIVATE SECTOR	135,721	136,271	136,302	3.0	0.4	0.0
MINING	2,051	2,058	2,108	5.9	0.3	2.5
CONSTRUCTION	8,302	8,823	8,928	7.7	6.3	1.2
MANUFACTURING	43,571	43,349	43,205	1.9	-0.5	-0.3
DURABLE GOODS	26,734	26,569	26,484	3.3	-0.6	-0.3
NONDURABLE GOODS	16,837	16,779	16,721	-0.2	-0.3	-0.3
TRANSPORTATION AND PUBLIC UTILITIES	10,179	10,499	10,544	3.9	3.1	0.4
WHOLESALE AND RETAIL TRADE	34,162	34,021	34,024	2.2	-0.4	0.0
FINANCE, INSURANCE, AND REAL ESTATE	9,202	9,199	9,160	3.4	0.0	-0.4
SERVICES	28,252	28,323	28,334	3.5	0.2	0.0
GOVERNMENT	29,077	30,602	30,808	0.4	5.2	0.7

¹ Data refer to hours of all employees—production workers, nonsupervisory workers and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods for Surveys and Studies*, BLS Bulletin 1910—Chapter 30, Productivity Measures: Private Economy and Major Sectors.
² "Annual rate" refers to total hours paid for 1 week in the month, expressed as a seasonally adjusted annual equivalent.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

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

[1967 = 100]

Item	Annual average		Quarterly indexes										
			1976		1977				1978				1979
	1977	1978	III	IV	I	II	III	IV	I	II	III	IV	I
PRIVATE BUSINESS SECTOR:													
Output per hour of all persons	118.3	118.6	117.2	117.2	118.0	117.5	118.9	119.0	117.7	118.0	119.1	119.6	118.2
Output	133.2	139.0	127.1	127.6	130.5	132.5	134.2	135.5	135.3	138.7	139.7	142.2	142.3
Hours	112.6	117.2	108.4	108.9	110.6	112.8	112.8	113.8	115.0	117.5	117.4	118.9	120.5 r
Compensation per hour	213.1	232.8	199.4	203.7	207.6	210.6	215.4	218.9	225.3	229.7	235.5	240.4	246.8
Real compensation per hour	117.4	119.2	116.2	117.2	117.2	116.6	117.7	118.1	119.3	118.7	119.1	119.0	119.0
Unit labor costs	180.2	196.3	170.1	173.8	176.0	179.3	181.1	183.9	191.4	194.6	197.8	201.1	208.8
Unit nonlabor payments	164.7	171.9	159.0	158.4	160.3	164.0	167.0	167.8	162.1	171.3	174.9	179.1	176.7 r
Implicit price deflator	174.9	187.9	166.3	168.5	170.6	174.0	176.3	178.4	181.3	186.6	189.9	193.5	197.7
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	115.9	116.4	115.2	115.0	115.6	115.2	116.3	116.4	115.5	116.0	116.7	117.2	116.0
Output	133.6	139.9	127.7	128.1	131.0	133.0	134.6	135.8	136.1	139.8	140.6	143.0	143.4
Hours	115.3	120.2	110.9	111.4	113.3	115.4	115.8	116.6	117.8	120.5	120.5	122.0	123.7 r
Compensation per hour	209.4	228.9	195.9	200.0	204.0	207.2	211.3	215.2	221.5	225.9	231.1	236.2	242.0
Real compensation per hour	115.4	117.1	114.2	115.1	115.1	114.7	115.5	116.1	117.3	116.7	116.9	116.9	116.7
Unit labor costs	180.8	196.6	170.1	174.0	176.4	179.8	181.7	184.8	191.7	194.7	198.1	201.5	208.7 r
Unit nonlabor payments	162.6	168.0	157.4	157.1	157.7	161.6	166.1	165.1	159.2	167.1	171.3	174.4	171.1 r
Implicit price deflator	174.6	186.8	165.7	168.2	170.0	173.6	176.4	178.1	180.6	185.3	188.9	192.2	195.8
MANUFACTURING:													
Output per hour of all persons	126.1	129.2	124.1	123.9	123.7	125.6	127.6	127.5	125.9	128.4	131.7	132.3	131.2 r
Output	126.9	134.8	120.0	120.3	122.6	126.6	128.6	129.8	129.7	134.1	137.2	139.9	141.5 r
Hours	100.6	104.4	96.8	97.1	99.1	100.7	100.8	101.8	103.1	104.5	104.2	105.7	107.8 r
Compensation per hour	212.2	232.5	196.9	200.9	205.6	209.7	214.4	218.9	225.0	229.1	234.9	240.2	245.9 r
Real compensation per hour	116.9	119.0	114.8	115.6	116.1	116.1	117.2	118.1	119.1	118.4	118.9	118.9	118.6 r
Unit labor costs	168.3	179.9	158.7	162.2	166.3	166.9	168.0	171.7	178.8	178.5	178.4	181.6	187.5 r
DURABLE GOODS													
Output per hour of all persons	120.4	123.0	119.5	118.4	117.9	120.4	121.9	121.6	119.4	122.7	125.7	125.5	123.9 r
Output	121.4	130.5	114.8	114.4	116.3	121.0	123.5	124.8	124.4	129.5	133.5	136.3	137.7 r
Hours	100.3	106.1	96.1	96.6	98.7	100.5	101.3	102.7	104.1	105.6	106.2	108.6	111.1 r
Compensation per hour	214.3	234.6	198.5	201.7	207.1	211.8	216.4	221.5	227.0	231.2	237.0	242.5	248.2 r
Real compensation per hour	118.0	120.1	115.7	116.1	116.9	117.2	118.3	119.5	120.2	119.4	119.9	120.0	119.7 r
Unit labor costs	177.9 r	190.8 r	166.2	170.3	175.7	175.9	177.5	182.2	190.1	188.4	188.5	193.2	200.4 r
NONDURABLE GOODS													
Output per hour of all persons	135.3	139.5	131.5	132.7	133.1	134.1	136.9 r	137.3 r	136.4 r	137.7 r	141.6	143.4	143.3 r
Output	135.7	141.9	128.5	129.8	132.6	135.5	136.9	138.0	138.3	141.5	143.2	145.6	147.6 r
Hours	100.3	101.7	97.7	97.9	99.6	101.0	100.0	100.5	101.4	102.8	101.1	101.5	103.0
Compensation per hour	208.7	227.7	194.5	199.7	203.4	206.3	210.6	214.0	221.0	224.8	230.1	234.4	239.6
Real compensation per hour	115.0	116.5	113.4	114.9	114.8	114.2	115.1	115.5	117.0	116.2	116.4	116.0	115.5
Unit labor costs	154.2	163.2	147.9	150.5	152.8	153.9	153.8	155.9	162.1	163.3	162.5	163.4	167.2 r
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	116.7	117.9	115.9	115.2	115.7	116.2	117.5	117.3	116.6	117.9	118.2	118.9	117.9 p
Output	141.0	148.5	134.4	134.2	137.5	140.5	142.3	143.6	143.6	148.8	149.3	152.3	153.0 p
Hours	120.8	125.9	115.9	116.5	118.8	120.9	121.1	122.4	123.1	126.2	126.3	128.1	129.8 p
Compensation per hour	207.6	226.9	194.1	198.4	201.7	205.5	209.7	213.4	219.8	224.2	229.3	234.1	240.1 p
Real compensation per hour	114.4	116.1	113.2	114.2	113.8	113.7	114.6	115.1	116.3	115.8	116.0	115.8	115.8 p
Total unit costs	182.0	194.8	172.8	177.3	178.8	180.8	182.5	185.6	191.5	192.6	196.2	198.6	204.7 p
Unit labor costs	179.9	192.5	167.4	172.2	174.3	176.8	178.5	181.9	188.5	190.2	194.0	196.9	203.7 p
Unit nonlabor costs	194.5	202.2	189.4	193.0	192.6	193.1	195.0	197.1	201.1	200.1	203.2	204.1	207.7 p
Unit profits	120.2	125.1	114.7	105.6	108.8	120.1	128.3	122.9	104.5	127.8	130.0	137.2	125.0 p
Implicit price deflator	172.8	184.5	164.2	166.6	168.4	171.8	174.5	176.3	178.6	183.0	186.4	189.5	192.8 p

p=preliminary.
r=revised.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

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

Item	Quarterly percent change						Annual percent change					
	III 1977 to IV 1977	IV 1977 to I 1978	I 1978 to II 1978	II 1978 to III 1978	III 1978 to IV 1978	IV 1978 to I 1979	IV 1976 to IV 1977	I 1977 to I 1978	II 1977 to II 1978	III 1977 to III 1978	IV 1977 to IV 1978	I 1978 to I 1979
	PRIVATE BUSINESS SECTOR:											
Output per hour of all persons	0.4	-4.5	1.2	3.5	1.7	-4.6r	1.5	-0.2	0.5	0.1	0.4	0.4
Output	4.0	-0.6	10.5	3.0	7.2	0.5r	6.2	3.7	4.6	4.1	4.9	5.2
Hours	3.7	4.0	9.2	-0.4	5.3	5.3r	4.6	3.9	4.1	4.0	4.5	4.8r
Compensation per hour	6.7	12.1	8.1	10.4	8.7	11.1	7.5	8.5	9.1	9.3	9.8	9.5
Real compensation per hour	1.3	4.0	-1.9	1.5	-0.5	0.1	0.8	1.8	1.8	1.2	0.7	-0.2
Unit labor costs	6.3	17.4	6.8	6.7	6.8	16.4r	5.8	8.8	8.5	9.2	9.3	9.1
Unit nonlabor payments	2.0	-13.1	24.8	8.8	9.8	-5.3r	5.9	1.1	4.4	4.8	6.7	9.0
Implicit price deflator	4.9	6.7	12.1	7.3	7.7	9.1r	5.9	6.3	7.2	7.7	8.5	9.1r
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	0.5	-3.1	1.7	2.3	1.9	-4.3r	1.3	-0.1	0.7	0.3	0.7	0.4
Output	3.5	0.7	11.6	2.1	7.2	1.2r	6.0	3.8	5.2	4.4	5.3	5.4
Hours	3.0	3.9	9.8	-0.2	5.1	5.7r	4.7	3.9	4.5	4.1	4.6	5.0
Compensation per hour	7.6	12.2	8.2	9.6	9.1	10.2	7.6	8.6	9.0	9.4	9.8	9.3
Real compensation per hour	2.2	4.0	-1.8	0.7	-0.1	-0.7	0.9	1.9	1.8	1.3	0.7	-0.5
Unit labor costs	7.1	15.7	6.4	7.1	7.0	15.2r	6.3	8.7	8.3	9.0	9.0	8.9r
Unit nonlabor payments	-2.4	-13.5	21.3	10.5	7.4	-7.3r	5.0	0.9	3.4	3.1	5.6	7.5r
Implicit price deflator	4.0	5.8	10.8	8.1	7.1	7.8r	5.9	6.2	6.7	7.1	7.9	8.4
MANUFACTURING:												
Output per hour of all persons	-0.3	-5.1	8.3	10.8	1.7	-3.2r	2.9	1.8	2.2	3.2	3.7	4.2 r
Output	4.0	-0.5	14.3	9.6	8.0	4.6r	7.9	5.8	6.0	6.7	7.7	9.1 r
Hours	4.3	4.9	5.6	-1.1	6.2	8.1r	4.8	4.0	3.7	3.4	3.9	4.6 r
Compensation per hour	8.8	11.6	7.4	10.6	9.3	9.8r	9.0	9.4	9.2	9.6	9.7	9.3
Real compensation per hour	3.3	3.5	-2.5	1.6	0.1	-1.1r	2.2	2.7	2.0	1.4	0.7	-0.5 r
Unit labor costs	9.1	17.7	-0.8	-0.2	7.5	13.5r	5.9	7.6	6.9	6.2	5.8	4.8 r
DURABLE GOODS												
Output per hour of all persons	-1.1	-6.8	11.3	10.2	-0.5	-5.2r	2.6	1.3	1.9	3.1	3.3	3.7 r
Output	4.5	-1.5	17.7	12.8	8.8	4.0r	9.1	6.9	7.0	8.1	9.2	10.7 r
Hours	5.7	5.7	5.7	2.3	9.4	9.7r	6.3	5.5	5.1	4.8	5.7	6.7 r
Compensation per hour	9.8	10.4	7.5	10.4	9.7	9.8r	9.8	9.6	9.2	9.5	9.5	9.4 r
Real compensation per hour	4.2	2.4	-2.4	1.5	0.4	-1.1r	2.9	2.8	1.9	1.4	0.5	-0.4 r
Unit labor costs	11.0	18.5	-3.4	0.2	10.2	15.8r	7.0	8.2	7.1	6.2	6.0	5.4
NONDURABLE GOODS												
Output per hour of all persons	1.0	-2.6	3.9	11.8	5.2	-0.2r	3.5	2.5	2.6	3.4	4.5	5.1 r
Output	3.2	1.1	9.4	4.9	6.8	5.6r	6.2	4.3	4.4	4.6	5.5	6.7 r
Hours	2.2	3.7	5.3	-6.2	1.5	5.8r	2.7	1.8	1.7	1.2	1.0	1.5 r
Compensation per hour	6.7	13.6	7.2	9.7	7.6	9.3	7.2	8.6	9.0	9.3	9.5	8.5 r
Real compensation per hour	1.2	5.4	-2.7	0.8	-1.5	-1.5	0.5	1.9	1.7	1.1	0.5	-1.2 r
Unit labor costs	5.6	16.6	3.2	-1.9	2.3	9.5r	3.6	6.0	6.1	5.7	4.8	3.2 r
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	-0.5	-2.5	4.4	1.3	2.2	-3.3 p	1.8	0.8	1.4	0.6	1.3	1.1 p
Output	3.6	-0.0	15.2	1.5	8.1	2.0 p	7.0	4.5	5.9	4.9	6.0	6.6 p
Hours	4.2	2.5	10.4	0.2	5.8	5.5 p	5.0	3.7	4.4	4.3	4.7	5.4 p
Compensation per hour	7.2	12.5	8.3	9.5	8.5	10.7 p	7.5	8.9	9.1	9.4	9.7	9.3 p
Real compensation per hour	1.7	4.3	-1.7	0.6	-0.7	-0.2 p	0.8	2.2	1.8	1.2	0.6	-0.5 p
Total unit costs	6.8	13.6	2.3	7.7	5.0	12.7 p	4.7	7.1	6.6	7.5	7.1	6.9 p
Unit labor costs	7.7	15.3	3.8	8.1	6.1	14.5 p	5.6	8.1	7.6	8.7	8.3	8.1 p
Unit nonlabor costs	4.3	8.5	-2.0	6.3	1.7	7.4 p	2.1	4.4	3.6	4.2	3.6	3.3 p
Unit profits	-15.8	-47.8	123.6	7.3	23.8	-31.1 p	16.4	-4.0	6.4	1.3	11.6	19.6 p
Implicit price deflator	4.2	5.5	10.2	7.6	6.8	7.2 p	5.8	6.1	6.5	6.8	7.5	8.0 p

p=preliminary.
r=revised.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P
ALABAMA	\$213.03	\$233.44	\$237.69	40.5	39.3	40.7	\$5.26	\$5.94	\$5.84
Birmingham	251.88	279.35	280.30	40.3	39.4	41.1	6.25	7.09	6.82
Mobile	257.40	294.67	309.28	40.6	40.2	42.6	6.34	7.33	7.26
ALASKA	504.85	(*)	(*)	45.4	(*)	(*)	11.12	(*)	(*)
ARIZONA	239.17	252.06	267.40	40.4	39.2	40.7	5.92	6.43	6.57
Phoenix	237.37	255.02	265.12	40.3	39.6	40.6	5.89	6.44	6.53
Tucson	222.87	229.82	243.28	39.1	37.8	38.8	5.70	6.08	6.27
ARKANSAS	183.88	193.04	202.75	39.8	38.0	39.6	4.62	5.08	5.12
Fayetteville—Springdale	165.85	177.84	186.86	39.3	39.0	40.8	4.22	4.56	4.58
Fort Smith	199.98	196.35	203.32	40.4	38.2	39.1	4.95	5.14	5.20
Little Rock—North Little Rock	208.15	224.43	230.80	39.2	39.1	40.0	5.31	5.74	5.77
Pine Bluff	230.87	261.06	262.67	41.3	40.6	41.3	5.59	6.43	6.36
CALIFORNIA	253.60	261.97	275.02	40.0	38.3	39.8	6.34	6.84	6.91
Anaheim—Santa Ana—Garden Grove	237.51	243.66	250.90	40.6	38.8	39.7	5.85	6.28	6.32
Bakersfield	277.26	303.00	310.16	40.3	40.4	41.3	6.88	7.50	7.51
Fresno	227.94	238.99	246.02	39.3	38.3	39.3	5.80	6.24	6.26
Los Angeles—Long Beach	237.37	245.76	258.24	40.3	38.4	40.1	5.89	6.40	6.44
Modesto	253.44	253.55	260.84	39.6	38.3	38.7	6.40	6.62	6.74
Oxnard—Simi Valley—Ventura	218.90	237.68	245.62	39.3	38.9	40.2	5.57	6.11	6.11
Riverside—San Bernardino—Ontario	257.26	273.15	281.39	39.7	38.8	39.8	6.48	7.04	7.07
Sacramento	268.66	283.08	287.63	38.6	38.1	38.3	6.96	7.43	7.51
Salinas—Seaside—Monterey	244.97	236.12	258.14	38.7	35.4	38.3	6.33	6.67	6.74
San Diego	240.79	248.07	247.96	38.9	37.7	37.4	6.19	6.58	6.63
San Francisco—Oakland	303.76	321.09	332.93	39.5	38.5	39.4	7.69	8.34	8.45
San Jose	273.88	284.49	292.09	40.1	39.9	40.4	6.83	7.13	7.23
Santa Barbara—Santa Maria—Lompoc	225.23	221.86	234.58	38.7	35.9	37.0	5.82	6.18	6.34
Santa Rosa	232.86	243.38	244.94	38.3	37.5	37.8	6.08	6.49	6.48
Stockton	274.79	284.93	289.52	39.2	38.4	38.5	7.01	7.42	7.52
Vallejo—Fairfield—Napa	262.82	294.52	285.01	37.6	38.6	37.6	6.99	7.63	7.58
COLORADO	239.62	257.47	254.51	38.9	38.2	38.1	6.16	6.74	6.68
Denver—Boulder	234.52	252.79	253.08	38.7	37.9	38.0	6.06	6.67	6.66
CONNECTICUT	247.38	252.34	262.70	42.0	40.7	41.5	5.89	6.20	6.33
Bridgeport	268.18	265.55	279.93	44.4	41.3	43.0	6.04	6.43	6.51
Hartford	271.14	283.31	294.63	42.7	41.0	42.7	6.35	6.91	6.90
New Britain	255.17	253.58	274.95	42.6	41.3	42.3	5.99	6.14	6.50
New Haven—West Haven	247.20	255.36	270.82	41.2	39.9	41.6	6.00	6.40	6.51
Stamford	246.20	279.02	271.36	41.8	44.5	42.6	5.89	6.27	6.37
Waterbury	216.15	216.37	227.55	42.3	39.7	41.0	5.11	5.45	5.55
DELAWARE	261.20	246.20	279.60	40.0	36.1	40.0	6.53	6.82	6.99
Wilmington	294.40	282.60	321.19	40.0	36.0	40.3	7.36	7.85	7.97
DISTRICT OF COLUMBIA:									
Washington SMSA	261.22	281.39	295.46	39.4	38.6	39.5	6.63	7.29	7.48
FLORIDA	202.37	212.26	216.81	40.8	39.6	40.3	4.96	5.36	5.38
Fort Lauderdale—Hollywood	190.48	207.47	215.22	40.7	40.6	42.2	4.68	5.11	5.10
Jacksonville	248.30	249.08	250.92	42.3	40.9	40.8	5.87	6.09	6.15
Miami	175.60	183.64	193.76	40.0	38.1	40.2	4.39	4.82	4.82
Orlando	220.92	212.53	214.78	42.0	39.8	39.7	5.26	5.34	5.41
Pensacola	262.66	297.25	292.08	43.2	44.3	43.4	6.08	6.71	6.73
Tampa—St. Petersburg	208.38	213.56	217.40	40.7	38.9	39.1	5.12	5.49	5.56
West Palm Beach—Boca Raton	232.65	235.01	243.46	42.3	38.4	38.4	5.50	6.12	6.34
GEORGIA	192.88	200.60	209.04	40.1	38.8	40.2	4.81	5.17	5.20
Atlanta	230.62	237.93	247.95	39.9	38.5	39.8	5.78	6.18	6.23
Savannah	250.62	280.77	292.82	41.7	42.8	44.3	6.01	6.56	6.61
HAWAII	225.38	246.09	249.87	38.2	37.4	38.8	5.90	6.58	6.44
Honolulu	217.78	248.34	250.13	37.1	37.4	38.6	5.87	6.64	6.48
IDAHO	241.64	244.83	259.58	38.6	37.9	38.4	6.26	6.46	6.76
Boise City	218.66	227.37	(*)	37.7	39.0	(*)	5.80	5.83	(*)

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		
	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P
ILLINOIS	\$267.97	\$281.13	\$293.29	40.1	39.4	40.6	\$6.68	\$7.13	\$7.22
Bloomington—Normal	222.64	258.51	275.64	38.2	40.6	42.8	5.82	6.36	6.43
Champaign—Urbana—Rantoul	244.64	248.17	250.90	37.6	37.7	37.8	6.51	6.58	6.64
Chicago SMSA	266.81	269.84	282.64	41.1	39.0	40.3	6.49	6.92	7.01
Davenport—Rock Island—Moline	271.08	328.99	330.07	37.9	38.6	38.5	7.15	8.53	8.57
Decatur	290.57	318.37	318.84	41.3	41.0	41.1	7.04	7.76	7.76
Peoria	299.13	330.75	351.78	37.2	37.8	39.4	8.05	8.76	8.93
Rockford	273.40	283.70	301.99	41.5	40.5	42.4	6.59	7.00	7.12
Springfield	304.37	323.50	323.60	42.4	43.3	41.8	7.17	7.70	7.73
INDIANA	290.69	299.47	305.92	41.0	39.3	40.2	7.09	7.62	7.61
Gary—Hammond—East Chicago	381.29	441.23	(*)	41.4	43.6	(*)	9.21	10.12	(*)
Indianapolis	289.34	281.47	(*)	41.1	38.4	(*)	7.04	7.33	(*)
IOWA	274.80	297.11	304.47	40.0	39.3	39.8	6.87	7.56	7.65
Cedar Rapids	276.00	308.10	319.19	40.0	41.3	41.4	6.90	7.46	7.71
Des Moines	265.33	292.09	299.00	36.8	37.4	37.8	7.21	7.81	7.91
Dubuque	326.38	340.49	357.29	39.9	38.3	40.1	8.18	8.89	8.91
Sioux City	246.14	254.59	278.24	39.7	38.4	40.5	6.20	6.63	6.87
Waterloo—Cedar Falls	339.73	367.88	397.95	40.3	39.9	42.2	8.43	9.22	9.43
KANSAS	(*)	262.68	271.88	(*)	39.5	40.7	(*)	6.65	6.68
Topeka	(*)	301.89	282.82	(*)	43.5	41.9	(*)	6.94	6.75
Wichita	(*)	279.97	288.70	(*)	40.4	41.6	(*)	6.93	6.94
KENTUCKY	248.40	253.93	268.49	40.0	37.9	39.6	6.21	6.70	6.78
Louisville	288.01	283.80	305.56	41.5	38.3	40.1	6.94	7.41	7.62
LOUISIANA	264.39	282.69	293.68	41.9	40.5	42.5	6.31	6.98	6.91
Baton Rouge	340.61	357.66	362.09	44.7	41.3	41.1	7.62	8.66	8.81
New Orleans	252.63	258.05	262.28	40.1	38.4	39.5	6.30	6.72	6.64
Shreveport	232.13	247.35	252.72	41.6	39.2	40.5	5.58	6.31	6.24
MAINE	193.36	209.32	209.08	40.2	40.1	39.9	4.81	5.22	5.24
Lewiston—Auburn	161.02	161.16	171.75	38.8	36.9	37.5	4.15	4.53	4.58
Portland	196.66	203.97	206.06	40.3	39.3	39.1	4.88	5.19	5.27
MARYLAND	254.72	278.50	279.40	39.8	39.9	39.8	6.40	6.98	7.02
Baltimore	272.83	299.06	297.82	40.3	40.8	40.3	6.77	7.33	7.39
MASSACHUSETTS	220.84	230.69	233.64	40.3	39.3	39.6	5.48	5.87	5.90
Boston	242.60	256.48	259.53	40.5	40.2	40.3	5.99	6.38	6.44
Brockton	171.90	179.46	182.78	38.2	36.7	38.0	4.50	4.89	4.81
Fall River	161.62	171.59	173.88	36.9	35.6	36.3	4.38	4.82	4.79
Lawrence—Haverhill	212.26	229.32	231.28	39.6	39.2	39.4	5.36	5.85	5.87
Lowell	194.22	207.77	209.75	39.8	39.5	39.5	4.88	5.26	5.31
New Bedford	188.55	204.48	208.96	39.2	38.8	39.5	4.81	5.27	5.29
Springfield—Chicopee—Holyoke	225.36	231.24	231.64	41.2	39.8	39.8	5.47	5.81	5.82
Worcester	229.04	241.59	246.43	40.9	39.8	40.2	5.60	6.07	6.13
MICHIGAN	340.03	332.65	(*)	42.6	37.6	(*)	7.98	8.58	(*)
Ann Arbor	373.04	398.59	(*)	43.6	43.4	(*)	8.56	9.18	(*)
Battle Creek	329.31	320.00	(*)	41.6	38.2	(*)	7.92	8.38	(*)
Bay City	324.45	301.44	(*)	42.9	39.9	(*)	7.56	7.56	(*)
Detroit	368.08	367.07	(*)	43.0	39.2	(*)	8.56	9.36	(*)
Flint	390.15	425.04	(*)	44.2	44.1	(*)	8.83	9.64	(*)
Grand Rapids	269.81	284.85	(*)	41.3	39.8	(*)	6.53	7.16	(*)
Jackson	298.88	297.86	(*)	42.9	40.3	(*)	6.97	7.39	(*)
Kalamazoo—Portage	288.35	306.74	(*)	41.0	39.0	(*)	7.03	7.87	(*)
Lansing—East Lansing	366.42	312.34	(*)	43.2	35.7	(*)	8.48	8.75	(*)
Muskegon—Norton Shores—Muskegon Heights	289.80	284.04	(*)	41.3	39.0	(*)	7.02	7.28	(*)
Saginaw	409.97	447.78	(*)	45.3	46.6	(*)	9.05	9.61	(*)
MINNESOTA	252.33	265.20	271.76	39.8	39.0	39.5	6.34	6.80	6.88
Duluth—Superior	236.01	255.15	258.86	39.4	38.6	39.4	5.99	6.61	6.57
Minneapolis—St. Paul	269.07	279.96	288.95	40.1	39.1	39.8	6.71	7.16	7.26
MISSISSIPPI	178.88	186.03	196.71	39.4	38.2	39.9	4.54	4.87	4.93
Jackson	201.14	199.69	229.45	40.8	38.7	42.1	4.93	5.16	5.45

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		
	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P
MISSOURI	\$244.80	\$247.00	\$258.72	40.0	38.0	39.2	\$6.12	\$6.50	\$6.60
Kansas City	271.08	277.50	299.25	40.1	37.5	39.9	6.76	7.40	7.50
St. Joseph	216.28	230.18	240.69	38.9	38.3	39.2	5.56	6.01	6.14
St. Louis	291.20	286.30	296.11	41.6	38.9	39.8	7.00	7.36	7.44
Springfield	198.28	226.01	232.85	38.5	38.7	39.6	5.15	5.84	5.88
MONTANA	328.94	334.96	346.20	43.8	40.7	42.9	7.51	8.23	8.07
NEBRASKA	231.65	255.67	267.39	41.0	40.2	41.2	5.65	6.36	6.49
Lincoln	225.23	252.44	256.49	38.7	38.6	39.4	5.82	6.54	6.51
Omaha	248.86	268.88	277.02	40.4	39.6	40.5	6.16	6.79	6.84
NEVADA	248.40	254.33	250.75	36.8	36.7	38.4	6.75	6.93	6.53
Las Vegas	317.98	362.34	(*)	40.2	39.6	(*)	7.91	9.15	(*)
NEW HAMPSHIRE	196.43	210.65	210.93	40.5	40.2	40.1	4.85	5.24	5.26
Manchester	175.33	187.77	188.94	39.4	39.2	39.2	4.45	4.79	4.82
Nashua	219.95	230.52	233.54	41.5	40.8	40.9	5.30	5.65	5.71
NEW JERSEY	251.94	264.55	274.56	41.1	40.7	41.6	6.13	6.50	6.60
Atlantic City	172.14	201.37	193.92	38.0	38.8	38.4	4.53	5.19	5.05
Camden ²	247.25	254.56	263.49	40.4	39.9	40.6	6.12	6.38	6.49
Hackensack ³	242.82	243.19	256.45	42.6	41.5	42.6	5.70	5.86	6.02
Jersey City ³	245.01	259.60	264.14	40.1	40.0	40.7	6.11	6.49	6.49
New Brunswick—Perth Amboy—Sayreville ³	265.02	290.50	299.62	40.4	40.8	41.1	6.56	7.12	7.29
Newark ³	255.62	266.09	275.52	41.7	41.0	42.0	6.13	6.49	6.56
Paterson—Clifton—Passaic ³	240.08	247.04	259.79	40.9	40.3	41.5	5.87	6.13	6.26
Trenton	258.08	266.13	276.89	40.2	39.9	40.9	6.42	6.67	6.77
NEW MEXICO	182.67	207.09	209.09	39.2	39.0	40.6	4.66	5.31	5.15
Albuquerque	182.03	211.46	214.26	39.4	39.6	39.9	4.62	5.34	5.37
NEW YORK	239.60	249.62	256.10	39.8	38.7	39.4	6.02	6.45	6.50
Albany—Schenectady—Troy	256.64	262.58	268.09	40.1	38.9	39.6	6.40	6.75	6.77
Binghamton	224.27	233.16	237.46	41.0	40.2	40.8	5.47	5.80	5.82
Buffalo	317.24	333.20	340.68	41.2	40.0	40.8	7.70	8.33	8.35
Elmira	244.22	254.52	265.03	40.5	40.4	40.9	6.03	6.30	6.48
Monroe County ⁴	313.41	329.26	346.09	41.9	40.7	41.9	7.48	8.09	8.26
Nassau—Suffolk ⁵	223.51	234.57	241.13	39.7	38.9	39.4	5.63	6.03	6.12
New York—Northeastern New Jersey	228.28	236.68	(*)	39.7	38.8	(*)	5.75	6.10	(*)
New York and Nassau—Suffolk ³	208.57	216.13	222.09	38.2	37.2	37.9	5.46	5.81	5.86
New York SMSA ⁵	205.42	211.03	217.13	37.9	36.7	37.5	5.42	5.75	5.79
New York City ⁶	201.21	208.57	212.95	37.4	36.4	37.1	5.38	5.73	5.74
Poughkeepsie	240.95	251.54	258.74	41.4	40.9	41.8	5.82	6.15	6.19
Rochester	296.61	311.12	326.61	41.6	40.3	41.5	7.13	7.72	7.87
Rockland County ⁶	244.52	238.79	242.19	42.6	39.6	39.9	5.74	6.03	6.07
Syracuse	263.63	278.80	287.23	41.0	40.0	40.8	6.43	6.97	7.04
Utica—Rome	231.49	237.98	240.39	40.9	39.4	39.8	5.66	6.04	6.04
Westchester County ⁶	247.66	232.85	252.15	42.7	39.4	41.0	5.80	5.91	6.15
NORTH CAROLINA	173.89	182.11	188.02	39.7	38.5	39.5	4.38	4.73	4.76
Asheville	171.97	174.55	186.06	39.9	37.7	40.1	4.31	4.63	4.64
Charlotte—Gastonia	178.27	186.12	193.39	40.7	39.6	40.8	4.38	4.70	4.74
Greensboro—Winston-Salem—High Point	186.76	196.99	203.06	39.4	38.4	39.2	4.74	5.13	5.18
Raleigh—Durham	193.16	207.19	216.14	39.5	38.8	40.1	4.89	5.34	5.39
NORTH DAKOTA	210.92	220.92	229.12	38.7	37.7	38.9	5.45	5.86	5.89
Fargo—Moorhead	237.01	228.64	247.26	39.9	36.7	39.0	5.94	6.23	6.34
OHIO	301.14	304.07	323.65	42.0	39.8	41.6	7.17	7.64	7.78
Akron	305.73	293.14	316.01	42.7	39.4	41.8	7.16	7.44	7.56
Canton	297.20	319.20	330.87	40.0	39.9	41.0	7.43	8.00	8.07
Cincinnati	280.31	282.89	301.71	41.9	39.9	41.5	6.69	7.09	7.27
Cleveland	316.60	321.47	338.30	42.9	40.9	42.5	7.38	7.86	7.96
Columbus	256.40	264.42	276.91	40.0	39.0	39.9	6.41	6.78	6.94
Dayton	310.00	304.87	345.95	42.7	39.8	42.5	7.26	7.66	8.14
Toledo	310.70	310.85	328.02	42.1	39.1	40.9	7.38	7.95	8.02
Youngstown—Warren	351.96	354.60	374.64	42.0	39.4	40.9	8.38	9.00	9.16

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		
	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P
OKLAHOMA	\$230.17	\$253.37	\$257.75	40.1	39.9	40.4	\$5.74	\$6.35	\$6.38
Oklahoma City	227.20	241.08	251.25	40.0	39.2	40.2	5.68	6.15	6.25
Tulsa	246.62	272.40	279.73	40.1	40.0	40.6	6.15	6.81	6.89
OREGON	275.09	297.60	301.86	38.8	38.8	39.0	7.09	7.67	7.74
Eugene—Springfield	299.25	329.27	322.26	39.9	40.6	39.3	7.50	8.11	8.20
Jackson County	282.12	307.28	(*)	38.7	39.7	(*)	7.29	7.74	(*)
Portland	263.96	286.46	(*)	38.2	38.4	(*)	6.91	7.46	(*)
PENNSYLVANIA	250.00	265.30	269.79	40.0	38.9	39.5	6.25	6.82	6.83
Allentown—Bethlehem—Easton	241.17	261.96	271.74	38.1	37.0	37.9	6.33	7.08	7.17
Alltoona	214.01	232.46	234.43	38.7	39.4	39.4	5.53	5.90	5.95
Delaware Valley	258.95	266.56	276.61	39.9	38.8	39.8	6.49	6.87	6.95
Erie	258.75	264.27	269.47	41.6	39.8	40.4	6.22	6.64	6.67
Harrisburg	224.00	256.00	252.57	40.0	40.0	39.9	5.60	6.40	6.33
Johnstown	268.25	295.40	291.60	39.8	40.3	40.0	6.74	7.33	7.29
Lancaster	222.71	230.30	239.40	40.2	39.1	39.9	5.54	5.89	6.00
Northeast Pennsylvania	179.33	186.00	194.01	36.9	35.7	36.4	4.86	5.21	5.33
Philadelphia SMSA	257.20	265.20	274.51	40.0	39.0	39.9	6.43	6.80	6.88
Pittsburgh	303.56	339.80	331.20	40.1	40.5	40.0	7.57	8.39	8.28
Reading	225.61	224.48	236.60	39.1	36.8	38.1	5.77	6.10	6.21
Scranton	189.81	196.42	199.93	38.5	37.2	37.3	4.93	5.28	5.36
Wilkes-Barre—Hazleton	170.52	177.67	188.32	35.6	34.3	35.6	4.79	5.18	5.29
Williamsport	218.12	227.84	241.35	39.3	38.1	39.5	5.55	5.98	6.11
York	234.35	236.41	241.60	41.7	39.8	40.2	5.62	5.94	6.01
RHODE ISLAND	182.35	191.62	194.16	39.3	38.4	38.6	4.64	4.99	5.03
Providence—Warwick—Pawtucket	184.54	191.35	193.00	39.6	38.5	38.6	4.66	4.97	5.00
SOUTH CAROLINA	184.68	194.64	201.38	40.5	39.4	40.6	4.56	4.94	4.96
Charleston—North Charleston	213.21	233.45	240.19	41.4	41.1	41.7	5.15	5.68	5.76
Columbia	179.01	188.60	200.19	39.0	38.1	39.1	4.59	4.95	5.12
Greenville—Spartanburg	182.25	190.81	200.65	40.5	39.1	40.7	4.50	4.88	4.93
SOUTH DAKOTA	209.80	224.52	233.38	41.3	40.6	41.9	5.08	5.53	5.57
Rapid City	172.56	188.72	196.74	35.8	34.5	36.5	4.82	5.47	5.39
Sioux Falls	266.99	306.16	319.68	45.1	43.8	45.8	5.92	6.99	6.98
TENNESSEE	200.09	207.97	212.39	39.7	38.3	38.9	5.04	5.43	5.46
Chattanooga	207.66	216.38	223.36	40.4	39.2	40.1	5.14	5.52	5.57
Knoxville	235.48	254.38	253.44	40.6	39.5	39.6	6.44	6.44	6.40
Memphis	228.00	249.55	259.67	40.0	39.8	40.7	5.70	6.27	6.38
Nashville—Davidson	213.05	226.58	231.45	39.6	38.6	39.7	5.38	5.87	5.83
TEXAS	238.38	250.74	259.53	41.1	39.8	41.0	5.80	6.30	6.33
Amarillo	221.94	248.64	242.78	41.1	42.0	41.5	5.40	5.92	5.85
Austin	190.40	191.50	203.08	42.5	40.4	41.7	4.48	4.74	4.87
Beaumont—Port Arthur—Orange	336.51	388.10	360.00	40.3	41.2	40.0	8.35	9.42	9.00
Corpus Christi	271.92	311.60	301.29	41.2	41.0	41.5	6.60	7.60	7.26
Dallas—Fort Worth	216.01	227.18	241.19	40.3	38.9	40.4	5.36	5.84	5.97
El Paso	180.52	183.74	190.32	39.5	38.2	39.0	4.57	4.81	4.88
Galveston—Texas City	379.73	409.17	403.94	43.2	42.8	42.7	8.79	9.56	9.46
Houston	296.18	324.19	310.02	42.8	42.6	40.9	6.92	7.61	7.58
Lubbock	179.93	193.52	202.31	40.8	40.4	41.8	4.41	4.79	4.84
San Antonio	174.49	177.02	187.67	39.3	38.4	40.1	4.44	4.61	4.68
Waco	211.56	206.12	208.57	41.0	38.1	38.2	5.16	5.41	5.46
Wichita Falls	211.45	227.60	228.49	40.2	40.0	39.6	5.26	5.69	5.77
UTAH	218.12	234.46	232.64	39.3	38.0	38.2	5.55	6.17	6.09
Salt Lake City—Ogden	207.64	221.37	223.68	39.4	38.3	38.9	5.27	5.78	5.75
VERMONT	204.82	219.37	222.36	40.8	40.4	40.8	5.02	5.43	5.45
Burlington	225.36	245.09	248.98	41.2	41.4	42.2	5.47	5.92	5.90
Springfield	239.28	261.88	260.62	42.5	41.9	41.7	5.63	6.25	6.25
VIRGINIA	199.50	209.98	219.05	39.9	38.6	39.9	5.00	5.44	5.49
Bristol	182.60	191.36	189.95	38.2	36.8	36.6	4.78	5.20	5.19
Lynchburg	191.67	206.03	214.54	38.8	38.8	40.1	4.94	5.31	5.35
Norfolk—Virginia Beach—Portsmouth	229.77	232.62	253.99	41.4	38.9	40.9	5.55	5.98	6.21
Northern Virginia ¹⁰	232.58	241.40	239.99	40.1	39.9	39.8	5.80	6.05	6.03
Petersburg-Colonial Heights-Hopewell	238.32	258.84	262.29	38.5	39.1	38.8	6.19	6.62	6.76

See footnotes at end of table.

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

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P	MAY 1978	APR. 1979	MAY 1979P
VIRGINIA—Continued									
Richmond	\$242.78	\$258.86	\$273.38	39.8	39.4	40.5	\$6.10	\$6.57	\$6.75
Roanoke	180.64	193.72	200.09	39.7	38.9	39.7	4.55	4.98	5.04
WASHINGTON									
Seattle—Everett	290.86	(*)	(*)	39.2	(*)	(*)	7.42	(*)	(*)
Spokane	294.84	(*)	(*)	39.0	(*)	(*)	7.56	(*)	(*)
Tacoma	247.56	(*)	(*)	38.5	(*)	(*)	6.43	(*)	(*)
	301.46	(*)	(*)	39.1	(*)	(*)	7.71	(*)	(*)
WEST VIRGINIA									
Charleston	259.35	296.86	298.10	39.9	39.9	39.8	6.50	7.44	7.49
Huntington—Ashland	304.43	325.50	323.40	42.4	42.0	42.0	7.18	7.75	7.70
Parkersburg—Marietta	292.25	312.44	303.38	40.2	39.6	39.4	7.27	7.89	7.70
Wheeling	272.80	301.18	304.41	40.9	41.6	41.7	6.67	7.24	7.30
	269.78	300.49	304.56	41.0	39.8	40.5	6.58	7.55	7.52
WISCONSIN									
Appleton—Oshkosh	267.86	278.38	290.56	40.8	39.4	40.7	6.56	7.06	7.14
Eau Claire	264.96	277.42	290.69	42.0	41.0	41.7	6.31	6.76	6.97
Green Bay	264.94	283.49	238.04	40.6	39.9	34.7	6.52	7.11	6.86
Kenosha	273.57	292.00	303.30	41.3	41.4	41.5	6.63	7.05	7.31
La Crosse	300.87	307.92	350.33	40.1	38.4	41.9	7.50	8.01	8.37
Madison	221.61	237.11	243.44	41.2	39.9	41.2	5.38	5.95	5.92
Milwaukee	273.46	254.35	287.52	39.6	35.9	39.8	6.91	7.09	7.22
Racine	289.50	298.33	315.17	40.4	38.6	40.6	7.17	7.73	7.77
	296.44	302.74	315.20	41.5	41.0	41.8	7.14	7.39	7.54
WYOMING									
Casper	242.69	234.55	240.75	38.4	35.7	36.7	6.32	6.57	6.56
Cheyenne	278.60	313.18	(*)	39.8	40.1	(*)	7.00	7.81	(*)
	309.26	(*)	(*)	41.4	(*)	(*)	7.47	(*)	(*)

¹ Data for 1979 are not strictly comparable with earlier years.
² Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.
³ Subarea of New York-Northeastern New Jersey.
⁴ Subarea of Rochester Standard Metropolitan Statistical Area.
⁵ Area included in New York and Nassau-Suffolk combined SMSA's.
⁶ Subarea of New York Standard Metropolitan Statistical Area.
⁷ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.
⁸ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area:

Lackawanna County.
⁹ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.
¹⁰ Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.
p=preliminary.
* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA LABOR TURNOVER

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

(Per 100 employees)

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions													
1969	4.7	4.6	3.9	4.4	4.5	4.8	6.6	5.1	5.6	5.9	5.0	3.6	2.9
1970	4.0	4.0	3.6	3.7	3.7	4.2	5.4	4.4	5.1	4.7	3.8	3.0	2.4
1971	3.9	3.5	3.1	3.5	3.6	4.0	4.9	4.0	5.3	4.8	3.9	3.3	2.5
1972	4.5	4.1	3.7	4.0	4.1	4.9	5.4	4.7	6.1	5.4	4.8	3.7	2.7
1973	4.8	4.7	4.1	4.5	4.6	5.4	5.9	5.2	6.3	5.8	5.2	3.8	2.6
1974	4.2	4.2	3.7	4.1	4.5	5.1	5.4	4.9	5.5	4.9	3.8	2.4	1.8
1975	3.7	2.9	2.7	3.2	3.7	4.0	4.5	4.6	5.2	4.6	3.7	2.8	2.2
1976	3.9	3.9	3.5	4.2	3.9	4.5	4.8	4.2	5.1	4.4	3.5	2.9	2.2
1977	4.0	3.7	3.7	4.0	3.8	4.6	4.9	4.3	5.2	4.6	3.9	3.1	2.3
1978	4.1	3.8	3.2	3.7	4.0	P4.7	4.8	4.3	5.3	4.8	4.3	3.3	2.3
1979	-	4.0	3.4	3.8	3.8	P4.7							
New hires													
1969	3.7	3.3	3.0	3.4	3.5	3.8	5.4	3.9	4.3	4.8	4.0	2.8	2.1
1970	2.8	2.9	2.5	2.6	2.6	2.8	3.9	3.0	3.5	3.4	2.7	1.9	1.4
1971	2.6	2.0	1.9	2.2	2.3	2.7	3.5	2.7	3.4	3.4	2.7	2.2	1.6
1972	3.3	2.6	2.5	2.8	2.9	3.7	4.2	3.5	4.5	4.3	3.9	2.9	2.1
1973	3.9	3.5	3.2	3.5	3.7	4.5	5.0	4.1	5.1	4.8	4.4	3.1	2.0
1974	3.2	3.2	2.8	3.1	3.3	4.0	4.3	3.7	4.2	3.9	2.9	1.7	1.0
1975	2.0	1.3	1.2	1.3	1.6	2.0	2.5	2.6	3.1	3.1	2.5	1.8	1.3
1976	2.6	2.1	2.1	2.7	2.6	3.1	3.6	2.9	3.6	3.2	2.5	1.9	1.3
1977	2.8	2.2	2.1	2.6	2.7	3.5	3.7	3.0	4.0	3.5	2.9	2.2	1.6
1978	3.1	2.5	2.2	2.7	2.9	3.6	3.9	3.3	4.1	3.9	3.5	2.6	1.7
1979	-	2.8	2.5	2.8	2.9	P3.6							
Recalls													
1976	1.0	1.4	1.0	1.2	1.0	1.0	.9	1.1	1.1	.8	.7	.7	.7
1977	.9	1.2	1.3	1.1	.9	.8	.8	.9	.9	.8	.6	.6	.5
1978	.7	1.0	.7	.8	.8	.8	.7	.8	.9	.8	.5	.5	.5
1979	-	.9	.6	.7	.7	P.8							
Total separations													
1969	4.9	4.5	4.0	4.4	4.5	4.6	4.6	5.3	6.2	6.6	5.4	4.3	4.2
1970	4.8	4.8	4.3	4.4	4.8	4.6	4.4	5.3	5.6	6.0	5.3	4.3	4.1
1971	4.2	4.2	3.5	3.7	3.9	3.7	3.8	4.8	5.5	5.3	4.3	3.7	3.8
1972	4.3	4.1	3.5	3.9	3.8	3.9	4.2	4.8	5.5	5.5	4.4	3.8	3.7
1973	4.7	4.3	3.8	4.3	4.2	4.4	4.5	5.2	6.5	5.8	5.0	4.2	4.0
1974	4.9	5.0	4.1	4.4	4.3	4.4	4.2	4.9	6.2	5.5	5.1	5.0	5.2
1975	4.2	6.1	4.5	4.2	4.0	3.9	3.7	4.4	4.7	4.4	4.1	3.5	3.4
1976	3.8	3.7	3.0	3.5	3.6	3.4	3.6	4.3	4.9	4.7	4.1	3.4	3.5
1977	3.8	3.9	3.4	3.4	3.4	3.5	3.5	4.2	5.1	4.8	3.8	3.4	3.3
1978	3.8	3.6	3.1	3.5	3.6	3.6	3.8	4.1	5.2	4.8	4.0	3.5	3.4
1979	-	3.8	3.2	3.6	3.6	P3.8							
Quits													
1969	2.7	2.3	2.1	2.4	2.6	2.7	2.6	2.7	4.0	4.4	3.0	2.1	1.6
1970	2.1	2.1	1.9	2.0	2.1	2.1	2.1	2.1	3.0	3.3	2.1	1.4	1.2
1971	1.8	1.5	1.3	1.5	1.6	1.7	1.8	1.8	2.8	2.9	2.0	1.5	1.2
1972	2.3	1.7	1.6	1.9	2.0	2.2	2.2	2.2	3.6	3.5	2.5	2.0	1.6
1973	2.8	2.3	2.1	2.5	2.5	2.8	2.8	2.8	4.6	4.0	3.1	2.3	1.6
1974	2.4	2.2	2.0	2.3	2.4	2.7	2.5	2.6	4.0	3.3	2.2	1.4	1.0
1975	1.4	1.1	.9	1.0	1.1	1.3	1.4	1.5	2.5	2.1	1.6	1.2	.9
1976	1.7	1.3	1.2	1.6	1.7	1.7	1.8	1.9	2.8	2.5	1.7	1.2	1.0
1977	1.8	1.4	1.3	1.6	1.7	1.9	1.9	1.9	3.1	2.8	1.9	1.5	1.2
1978	2.1	1.5	1.4	1.8	2.0	2.1	2.2	2.1	3.4	3.0	2.3	1.7	1.3
1979	-	1.8	1.6	1.9	1.9	P2.1							
Layoffs													
1969	1.2	1.2	1.0	1.0	.9	.9	1.0	1.6	1.1	1.1	1.3	1.3	1.8
1970	1.8	1.7	1.5	1.6	1.7	1.5	1.5	2.3	1.7	1.7	2.2	2.1	2.2
1971	1.6	1.9	1.4	1.4	1.4	1.2	1.2	2.1	1.8	1.5	1.5	1.5	1.8
1972	1.1	1.5	1.1	1.1	1.0	.9	1.1	1.7	.9	.9	1.0	1.0	1.3
1973	.9	1.1	.8	.8	.7	.7	.7	1.4	.8	.8	.8	1.1	1.6
1974	1.5	1.8	1.3	1.1	.9	.8	.8	1.4	1.1	1.2	1.8	2.8	3.6
1975	2.1	4.0	2.9	2.5	2.1	1.8	1.6	2.0	1.3	1.5	1.6	1.7	1.9
1976	1.3	1.6	1.0	1.1	1.1	.9	.9	1.6	1.1	1.3	1.5	1.5	1.8
1977	1.1	1.7	1.4	1.0	.9	.8	.8	1.4	1.0	1.1	1.1	1.1	1.4
1978	.9	1.2	.9	.9	.7	.7	.7	1.0	.7	.8	.9	1.0	1.3
1979	-	1.1	.8	.8	.8	P.7							

p-preliminary.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2. Labor turnover rates by industry

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P
-	MANUFACTURING	3.8	4.7	2.9	3.6	0.7	0.8	3.6	3.8	1.9	2.1	0.8	0.7
24, 25, 32-39	DURABLE GOODS	3.6	4.3	2.7	3.3	.6	.7	3.2	3.4	1.7	1.8	.7	.6
20-23, 28-31	NONDURABLE GOODS	4.3	5.3	3.1	4.0	.9	1.1	4.2	4.4	2.3	2.6	1.1	1.0
	DURABLE GOODS												
24	LUMBER AND WOOD PRODUCTS	6.5	7.6	5.0	6.1	1.3	1.3	5.6	5.7	3.6	3.9	.9	.5
242	Sawmills and planing mills	4.6	-	3.8	-	.7	-	4.6	-	3.1	-	.7	-
2421	Sawmills and planing mills, general	4.4	-	3.6	-	.7	-	4.4	-	2.7	-	.7	-
243	Millwork, plywood, and structural members	6.2	-	5.2	-	.9	-	5.5	-	3.7	-	.6	-
2431	Millwork	5.7	-	4.5	-	1.2	-	5.7	-	3.5	-	1.2	-
244	Wooden containers	9.4	-	7.6	-	1.7	-	7.6	-	6.5	-	.3	-
245	Wood buildings and mobile homes	11.0	-	8.5	-	2.4	-	8.0	-	5.6	-	.8	-
2451	Mobile homes	12.0	-	9.8	-	2.1	-	9.0	-	6.4	-	.6	-
249	Miscellaneous wood products	5.2	-	4.7	-	.3	-	4.9	-	3.2	-	.7	-
25	FURNITURE AND FIXTURES	5.0	6.1	4.2	5.2	.6	.6	5.4	5.7	3.4	3.7	.9	.8
251	Household furniture	5.4	-	4.7	-	.6	-	5.7	-	3.7	-	.8	-
2511	Wood household furniture	5.4	-	5.1	-	.2	-	5.6	-	4.2	-	.2	-
2512	Upholstered household furniture	4.3	-	3.8	-	.4	-	4.6	-	3.1	-	.5	-
2515	Mattresses and bedsprings	6.3	-	5.4	-	.8	-	6.5	-	3.9	-	1.2	-
252	Office furniture	3.3	-	2.8	-	.4	-	5.5	-	2.4	-	2.3	-
254	Partitions and fixtures	4.8	-	4.3	-	.5	-	5.2	-	3.2	-	.7	-
32	STONE, CLAY, AND GLASS PRODUCTS	5.1	5.5	3.3	4.2	1.5	1.0	3.6	3.7	2.0	2.2	.8	.6
322	Glass and glassware, pressed or blown	2.9	-	1.7	-	.9	-	2.9	-	1.0	-	1.2	-
3221	Glass containers	2.4	-	1.4	-	.8	-	2.8	-	1.1	-	1.1	-
3229	Pressed and blown glass, nec	3.6	-	2.0	-	.9	-	3.0	-	.8	-	1.2	-
323	Products of purchased glass	5.6	-	3.7	-	1.7	-	4.8	-	2.4	-	1.2	-
324	Cement, hydraulic	1.8	-	1.0	-	.6	-	.9	-	.4	-	.1	-
326	Structural clay products	6.6	-	5.2	-	1.3	-	5.3	-	3.7	-	.5	-
326	Pottery and related products	3.6	-	2.7	-	.5	-	3.9	-	1.9	-	1.0	-
327	Concrete, gypsum, and plaster products	8.1	-	5.1	-	3.9	-	4.2	-	2.7	-	.6	-
329	Misc. nonmetallic mineral products	3.5	-	2.7	-	.6	-	3.1	-	1.6	-	.7	-
33	PRIMARY METAL INDUSTRIES	2.6	3.4	1.9	2.4	.5	.6	2.2	2.2	.9	1.0	.4	.3
331	Blast furnace and basic steel products	2.1	-	1.2	-	.6	-	1.6	-	.4	-	.5	-
3312	Blast furnaces and steel mills	2.0	-	1.1	-	.6	-	1.4	-	.2	-	.4	-
332	Iron and steel foundries	3.2	-	2.6	-	.4	-	3.1	-	1.8	-	.3	-
3321	Gray iron foundries	3.0	-	2.4	-	.4	-	2.8	-	1.7	-	.2	-
3326	Steel foundries, nec	3.3	-	2.8	-	.4	-	3.3	-	1.8	-	.4	-
333	Primary nonferrous metals	1.5	-	1.2	-	.2	-	1.7	-	.4	-	.3	-
335	Nonferrous rolling and drawing	2.3	-	1.9	-	.3	-	1.7	-	.8	-	.2	-
3351	Copper rolling and drawing	2.6	-	2.4	-	.1	-	1.8	-	1.0	-	.1	-
3353	Aluminum sheet, plate, and foil	1.4	-	1.3	-	(1)	-	1.0	-	.3	-	.1	-
3357	Nonferrous wire drawing and insulating	2.0	-	1.6	-	.3	-	1.5	-	.7	-	.2	-
336	Nonferrous foundries	4.3	-	3.3	-	.8	-	4.2	-	2.1	-	1.1	-
3361	Aluminum foundries	3.8	-	2.7	-	.9	-	3.9	-	1.8	-	1.1	-
34	FABRICATED METAL PRODUCTS	3.9	4.9	3.0	3.8	.7	.8	3.9	3.9	2.0	2.2	.9	.8
341	Metal cans and shipping containers	4.4	-	2.2	-	1.9	-	4.1	-	1.1	-	2.1	-
3411	Metal cans	3.9	-	1.3	-	2.3	-	3.7	-	.7	-	2.2	-
342	Cutlery, hand tools, and hardware	3.1	-	2.5	-	.5	-	3.3	-	1.8	-	.6	-
3423, 5	Hand and edge tools, and hand saws and blades	2.9	-	2.6	-	.2	-	3.0	-	1.9	-	.3	-
3429	Hardware, nec	3.3	-	2.5	-	.6	-	3.5	-	1.9	-	.9	-
343	Plumbing and heating, except electric	3.6	-	2.3	-	1.2	-	3.9	-	1.8	-	1.3	-
344	Fabricated structural metal products	4.5	-	3.6	-	.8	-	4.4	-	2.5	-	.9	-
3441	Fabricated structural metal	5.1	-	4.5	-	.5	-	4.9	-	2.8	-	1.0	-
3442	Metal doors, sash, and trim	5.9	-	4.6	-	1.2	-	6.0	-	3.3	-	1.4	-
3443	Fabricated plate work (boiler shops)	2.7	-	2.0	-	.5	-	2.9	-	1.6	-	.6	-
3444	Sheet metal work	5.3	-	3.9	-	1.2	-	4.6	-	2.6	-	1.2	-
345	Screw machine products, bolts, etc.	3.6	-	3.3	-	.1	-	3.2	-	2.1	-	.3	-
3451	Screw machine products	4.0	-	3.8	-	.1	-	3.5	-	2.7	-	.1	-
3452	Bolts, nuts, rivets, and washers	3.1	-	2.9	-	.1	-	2.9	-	1.6	-	.4	-
346	Metal forgings and stampings	3.3	-	2.3	-	.7	-	3.4	-	1.4	-	1.2	-
3462	Iron and steel forgings	2.5	-	2.1	-	.2	-	1.8	-	1.0	-	.2	-
3465	Automotive stampings	2.7	-	.9	-	1.2	-	3.7	-	.8	-	2.2	-
3469	Metal stampings, nec	4.2	-	3.7	-	.5	-	3.9	-	2.2	-	.8	-
347	Metal services, nec	6.0	-	4.7	-	1.0	-	6.1	-	3.4	-	1.1	-
348	Ordnance and accessories, nec	2.0	-	1.6	-	.2	-	2.0	-	.8	-	.6	-
349	Misc. fabricated metal products	3.6	-	3.0	-	.5	-	3.6	-	2.1	-	.8	-
3494	Valves and pipe fittings	3.3	-	2.6	-	.6	-	2.5	-	1.4	-	.5	-
3496	Misc. fabricated wire products	5.4	-	4.7	-	.6	-	5.1	-	3.6	-	.6	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2. Labor turnover rates by industry—Continued

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P
35	MACHINERY, EXCEPT ELECTRICAL	2.8	3.2	2.3	2.7	0.2	0.2	2.5	2.6	1.4	1.5	0.3	0.3
351	Engines and turbines	2.5	-	1.4	-	.1	-	2.9	-	.5	-	.8	-
3511	Turbines and turbine generator sets	2.1	-	.9	-	(¹)	-	2.6	-	.3	-	.5	-
3519	Internal combustion engines, nec	2.8	-	1.6	-	.1	-	3.0	-	.6	-	1.0	-
352	Farm and garden machinery	4.2	-	3.3	-	.6	-	3.1	-	2.0	-	.3	-
3523	Farm machinery and equipment	4.0	-	3.0	-	.6	-	3.0	-	2.0	-	.3	-
353	Construction and related machinery	2.2	-	1.9	-	.1	-	2.0	-	1.2	-	.2	-
3531	Construction machinery	1.7	-	1.4	-	.1	-	1.7	-	.8	-	.4	-
3533	Oil field machinery	3.1	-	2.9	-	(¹)	-	2.6	-	1.9	-	(¹)	-
354	Metalworking machinery	2.7	-	2.3	-	.2	-	2.3	-	1.3	-	.3	-
3541	Machine tools, metal cutting types	2.1	-	1.9	-	.1	-	1.4	-	.8	-	.1	-
3544	Special dies, tools, jigs, and fixtures	3.1	-	2.7	-	.2	-	2.9	-	1.7	-	.3	-
3546	Machine tool accessories	3.1	-	2.6	-	.1	-	2.5	-	1.4	-	.4	-
355	Special industry machinery	2.3	-	2.0	-	.2	-	2.3	-	1.3	-	.4	-
3551	Food products machinery	2.2	-	1.9	-	.1	-	2.0	-	1.0	-	.6	-
3552	Textile machinery	3.2	-	2.4	-	.3	-	3.5	-	1.7	-	.8	-
356	General industrial machinery	2.4	-	1.9	-	.2	-	2.1	-	1.1	-	.3	-
3561	Pumps and pumping equipment	2.0	-	1.9	-	.1	-	2.0	-	1.1	-	.2	-
3562	Ball and roller bearings	2.2	-	1.5	-	.1	-	1.8	-	.8	-	.2	-
3564	Blowers and fans	2.6	-	2.3	-	.2	-	2.4	-	1.6	-	.3	-
357	Office and computing machines	2.9	-	2.6	-	.1	-	1.9	-	1.1	-	(¹)	-
3573	Electronic computing equipment	2.8	-	2.5	-	.1	-	1.9	-	1.0	-	(¹)	-
358	Refrigeration and service machinery	3.2	-	2.2	-	.6	-	3.1	-	1.4	-	.7	-
3585	Refrigeration and heating equipment	3.4	-	2.2	-	.7	-	3.3	-	1.4	-	.7	-
359	Misc. machinery, except electrical	3.6	-	3.3	-	.2	-	3.5	-	2.3	-	.4	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	3.1	4.0	2.3	2.9	.4	.7	3.0	3.0	1.5	1.6	.6	.4
361	Electric distributing equipment	3.0	-	2.0	-	.2	-	2.9	-	1.2	-	.2	-
3612	Transformers	3.1	-	1.8	-	.3	-	3.1	-	1.2	-	.1	-
3613	Switchgear and switchboard apparatus	2.9	-	2.2	-	.2	-	2.7	-	1.2	-	.3	-
362	Electrical industrial apparatus	2.6	-	2.0	-	.2	-	2.7	-	1.4	-	.5	-
3621	Motors and generators	2.7	-	1.9	-	.3	-	3.1	-	1.4	-	.8	-
3622	Industrial controls	2.3	-	1.7	-	.2	-	2.0	-	1.1	-	.2	-
363	Household appliances	3.8	-	2.0	-	.8	-	4.2	-	1.6	-	1.2	-
3632	Household refrigerators and freezers	4.7	-	1.8	-	1.7	-	5.6	-	1.2	-	2.4	-
3633	Household laundry equipment	2.2	-	1.1	-	.3	-	2.0	-	.5	-	.7	-
3634	Electric housewares and fans	3.6	-	2.5	-	.8	-	4.8	-	2.7	-	1.3	-
364	Electric lighting and wiring equipment	3.2	-	2.5	-	.4	-	3.4	-	1.7	-	.8	-
3641	Electric lamps	2.3	-	1.6	-	.2	-	2.2	-	.8	-	.4	-
3643	Current-carrying wiring devices	2.9	-	2.2	-	.4	-	3.2	-	1.6	-	1.1	-
365	Radio and TV receiving equipment	4.1	-	2.2	-	1.2	-	4.8	-	1.4	-	1.8	-
3651	Radio and TV receiving sets	3.8	-	2.2	-	.7	-	3.8	-	1.2	-	.7	-
366	Communication equipment	2.0	-	1.6	-	.1	-	1.8	-	1.0	-	.2	-
3661	Telephone and telegraph apparatus	1.7	-	1.4	-	.1	-	1.2	-	.6	-	.1	-
3662	Radio and TV communication equipment	2.2	-	1.7	-	.1	-	2.0	-	1.1	-	.2	-
367	Electronic components and accessories	4.2	-	3.7	-	.2	-	3.6	-	2.3	-	.3	-
3671-3	Electronic tubes	3.1	-	1.9	-	.1	-	2.5	-	.8	-	.3	-
3674	Semiconductors and related devices	3.2	-	2.7	-	.2	-	2.4	-	1.4	-	.1	-
3679	Electronic components, nec	5.2	-	4.7	-	.2	-	4.5	-	3.1	-	.4	-
369	Misc. electrical equipment and supplies	2.8	-	1.7	-	.9	-	3.2	-	1.3	-	1.0	-
3694	Engine electrical equipment	2.5	-	.9	-	1.5	-	3.2	-	.9	-	1.7	-
37	TRANSPORTATION EQUIPMENT	3.3	-	2.1	-	.7	-	2.9	-	1.2	-	.9	-
371	Motor vehicles and equipment	2.9	-	1.6	-	.7	-	2.4	-	.9	-	.6	-
3711	Motor vehicles and car bodies	2.9	-	1.4	-	.8	-	1.9	-	.8	-	.3	-
3713	Truck and bus bodies	4.3	-	3.7	-	.6	-	3.0	-	1.9	-	.2	-
3714	Motor vehicle parts and accessories	2.5	-	1.3	-	.7	-	2.7	-	.8	-	1.0	-
3715	Truck trailers	5.3	-	4.6	-	.5	-	4.0	-	2.2	-	(¹)	-
372	Aircraft and parts	2.6	-	2.2	-	.1	-	1.7	-	.9	-	.2	-
3721	Aircraft	2.4	-	1.9	-	.1	-	1.5	-	.8	-	.2	-
3724	Aircraft engines and engine parts	1.7	-	1.4	-	.1	-	1.2	-	.6	-	.1	-
3728	Aircraft equipment, nec	4.6	-	4.3	-	.2	-	2.9	-	1.7	-	.2	-
373	Ship and boat building and repairing	6.4	-	3.9	-	2.3	-	6.4	-	2.4	-	2.8	-
3731	Ship building and repairing	6.7	-	3.5	-	2.9	-	6.3	-	2.0	-	3.1	-
3732	Boat building and repairing	3.6	-	1.8	-	1.7	-	4.3	-	1.0	-	2.6	-
374	Railroad equipment	2.9	-	1.5	-	1.7	-	3.3	-	.7	-	1.1	-
376	Guided missiles, space vehicles, parts	2.5	-	1.6	-	.5	-	1.8	-	.7	-	.5	-
3761	Guided missiles and space vehicles	2.1	-	1.5	-	.3	-	1.8	-	.7	-	.6	-
379	Miscellaneous transportation equipment	5.5	-	3.8	-	1.3	-	13.0	-	5.2	-	6.4	-
38	INSTRUMENTS AND RELATED PRODUCTS	2.8	3.6	2.4	3.0	.2	.3	2.5	2.7	1.5	1.6	.3	.3
381	Engineering and scientific instruments	2.9	-	2.8	-	(¹)	-	2.1	-	1.5	-	(¹)	-
382	Measuring and controlling devices	2.9	-	2.4	-	.2	-	2.2	-	1.4	-	.2	-
3822	Environmental controls	2.5	-	1.6	-	.5	-	2.0	-	1.2	-	.1	-
3823	Process control instruments	2.6	-	2.2	-	.2	-	2.3	-	1.2	-	.3	-
3825	Instruments to measure electricity	3.0	-	2.6	-	(¹)	-	1.9	-	1.4	-	.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2. Labor turnover rates by industry—Continued

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P
	INSTRUMENTS AND RELATED PRODUCTS—Cont'd												
383	Optical instruments and lenses	2.6	—	2.3	—	0.1	—	2.2	—	1.8	—	0.1	—
384	Medical instruments and supplies	3.3	—	2.7	—	.5	—	3.5	—	2.0	—	.7	—
3841	Surgical and medical instruments	3.7	—	3.5	—	.1	—	3.6	—	2.6	—	.2	—
3842	Surgical appliances and supplies	2.6	—	2.2	—	.3	—	2.9	—	1.4	—	.7	—
385	Ophthalmic goods	4.8	—	3.6	—	.5	—	3.8	—	2.6	—	.4	—
386	Photographic equipment and supplies	1.7	—	1.5	—	(¹)	—	1.1	—	.5	—	(¹)	—
387	Watches, clocks, and watchcases	3.0	—	2.1	—	.6	—	5.1	—	1.9	—	2.1	—
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	5.1	6.4	3.9	4.9	1.0	1.3	4.7	5.7	2.6	2.9	1.2	1.4
391	Jewelry, silverware, and plated ware	3.2	—	2.3	—	.8	—	3.8	—	2.1	—	1.1	—
393	Musical instruments	3.9	—	2.8	—	.8	—	4.1	—	3.0	—	.2	—
394	Toys and sporting goods	6.9	—	4.8	—	1.7	—	5.1	—	2.5	—	1.4	—
3942,4	Dolls, games, toys, and children's vehicles	8.1	—	4.9	—	2.8	—	5.4	—	2.3	—	1.9	—
3949	Sporting and athletic goods, nec	5.8	—	4.6	—	.8	—	4.9	—	2.7	—	1.0	—
395	Pens, pencils, office and art supplies	3.0	—	2.4	—	.4	—	3.5	—	1.8	—	.8	—
396	Costume jewelry and notions	6.8	—	5.4	—	1.3	—	6.7	—	3.8	—	1.9	—
399	Miscellaneous manufactures	4.4	—	3.8	—	.6	—	4.3	—	2.4	—	1.1	—
	NONDURABLE GOODS												
20	FOOD AND KINDRED PRODUCTS	5.8	7.4	4.0	5.1	1.6	2.1	5.7	5.9	2.8	3.3	2.0	1.7
201	Meat products	7.4	—	5.5	—	1.5	—	7.0	—	4.8	—	1.3	—
2011	Meat packing plants	5.2	—	3.1	—	1.9	—	4.8	—	2.4	—	1.5	—
2013	Sausages and other prepared meats	4.7	—	3.0	—	1.6	—	4.8	—	2.2	—	1.9	—
2016	Poultry dressing plants	12.6	—	10.8	—	1.0	—	11.6	—	10.0	—	.6	—
202	Dairy products	3.7	—	3.0	—	.6	—	3.2	—	2.1	—	.5	—
203	Preserved fruits and vegetables	9.1	—	5.0	—	3.9	—	10.2	—	3.0	—	6.2	—
204	Grain mill products	3.2	—	2.4	—	.5	—	4.2	—	2.1	—	1.2	—
205	Bakery products	3.6	—	3.1	—	.4	—	3.3	—	2.0	—	.6	—
2051	Bread, cake, and related products	3.5	—	3.1	—	.3	—	3.1	—	2.0	—	.4	—
2052	Cookies and crackers	4.2	—	3.0	—	1.0	—	4.4	—	2.1	—	1.2	—
206	Sugar and confectionery products	5.9	—	2.5	—	3.2	—	7.1	—	1.7	—	4.7	—
207	Fats and oils	2.8	—	2.1	—	.6	—	4.7	—	2.2	—	1.7	—
208	Beverages	4.9	—	3.4	—	1.3	—	4.0	—	1.9	—	1.2	—
2082	Malt beverages	5.3	—	1.9	—	3.1	—	4.9	—	.4	—	3.4	—
2086	Bottled and canned soft drinks	4.8	—	4.5	—	.3	—	3.9	—	2.8	—	.3	—
209	Misc. foods and kindred products	7.8	—	5.3	—	2.3	—	7.2	—	3.2	—	3.0	—
21	TOBACCO MANUFACTURES	2.2	—	.7	—	.6	—	3.2	—	.6	—	1.8	—
211	Cigarettes	1.7	—	.5	—	.2	—	1.1	—	.2	—	.1	—
22	TEXTILE MILL PRODUCTS	4.8	5.8	3.8	4.7	.6	.6	4.8	5.3	3.2	3.5	.6	.6
221	Weaving mills, cotton	5.1	—	4.2	—	.2	—	4.7	—	3.2	—	.1	—
222	Weaving mills, synthetics	4.7	—	4.0	—	.3	—	4.7	—	3.4	—	.3	—
223	Weaving and finishing mills, wool	5.1	—	4.4	—	.5	—	5.3	—	3.5	—	.6	—
224	Narrow fabric mills	4.6	—	3.7	—	.7	—	4.5	—	2.9	—	.7	—
225	Knitting mills	4.7	—	3.5	—	.9	—	4.4	—	3.0	—	.7	—
2251	Women's hosiery, except socks	5.0	—	4.4	—	.3	—	5.4	—	3.7	—	.5	—
2252	Hosiery, nec	4.6	—	4.2	—	.3	—	4.7	—	3.7	—	.3	—
2253	Knit outerwear mills	5.2	—	3.2	—	1.7	—	4.2	—	3.0	—	.6	—
2254	Knit underwear mills	2.8	—	2.5	—	.2	—	3.7	—	2.7	—	.5	—
2257	Circular knit fabric mills	4.8	—	3.6	—	1.0	—	4.3	—	2.4	—	1.0	—
226	Textile finishing, except wool	4.0	—	3.1	—	.6	—	4.6	—	2.3	—	1.4	—
227	Floor covering mills	4.0	—	3.3	—	.5	—	4.3	—	2.7	—	.5	—
228	Yarn and thread mills	6.2	—	5.0	—	.8	—	6.6	—	4.6	—	.8	—
229	Miscellaneous textile goods	4.1	—	2.8	—	1.0	—	4.0	—	2.1	—	.8	—
23	APPAREL AND OTHER TEXTILE PRODUCTS	5.2	6.2	3.4	4.2	1.5	1.8	5.6	5.9	3.0	3.4	1.7	1.7
231	Men's and boys' suits and coats	5.4	—	1.9	—	2.1	—	5.0	—	1.6	—	2.8	—
232	Men's and boys' furnishings	5.4	—	4.0	—	1.3	—	5.2	—	3.6	—	.8	—
2321	Men's and boys' shirts and nightwear	5.0	—	3.5	—	1.2	—	4.9	—	3.4	—	.8	—
2327	Men's and boys' separate trousers	4.7	—	3.5	—	1.1	—	5.2	—	3.8	—	.7	—
2328	Men's and boys' work clothing	6.2	—	5.3	—	.8	—	5.5	—	4.4	—	.4	—
233	Women's and misses' outerwear	4.9	—	2.7	—	2.0	—	6.2	—	2.7	—	2.6	—
234	Women's and children's undergarments	4.6	—	3.6	—	.8	—	5.5	—	3.4	—	1.5	—
2341	Women's and children's underwear	4.8	—	3.7	—	.9	—	5.3	—	3.6	—	1.1	—
2342	Brassieres and allied garments	4.0	—	3.2	—	.6	—	6.5	—	2.4	—	.8	—
236	Children's outerwear	4.6	—	3.0	—	1.5	—	5.7	—	3.2	—	1.8	—
238	Misc. apparel and accessories	6.3	—	4.2	—	1.7	—	5.7	—	3.3	—	1.7	—
239	Misc. fabricated textile products	5.2	—	4.2	—	.7	—	4.8	—	3.0	—	.8	—
26	PAPER AND ALLIED PRODUCTS	2.8	3.8	2.1	3.0	.6	.6	2.7	2.6	1.4	1.4	.5	.5
261,2,6	Paper and pulp mills	1.5	—	1.0	—	.3	—	1.2	—	.5	—	.3	—
262	Paper mills, except building paper	1.4	—	1.0	—	.3	—	1.1	—	.4	—	.3	—

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2. Labor turnover rates by industry—Continued

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P	Apr. 1979	May 1979 ^P
	PAPER AND ALLIED PRODUCTS—Continued												
263	Paperboard mills	1.9	-	1.5	-	0.3	-	1.7	-	0.9	-	0.2	-
264	Misc. converted paper products	3.6	-	2.8	-	.7	-	3.3	-	1.9	-	.4	-
265	Paperboard containers and boxes	3.6	-	2.6	-	.9	-	3.8	-	1.8	-	1.0	-
2651	Folding paperboard boxes	3.0	-	2.5	-	.5	-	3.3	-	1.6	-	1.0	-
2653	Corrugated and solid fiber boxes	3.0	-	2.4	-	.5	-	3.2	-	1.8	-	.5	-
27	PRINTING AND PUBLISHING	3.3	3.8	2.8	3.2	.4	0.4	3.3	3.3	2.1	2.1	.6	0.6
271	Newspapers	3.2	-	3.0	-	.1	-	3.3	-	2.5	-	.2	-
272	Periodicals	2.4	-	2.3	-	.1	-	2.4	-	1.6	-	.2	-
273	Books	3.9	-	3.0	-	.8	-	3.1	-	1.9	-	.6	-
274	Miscellaneous publishing	3.3	-	2.7	-	.4	-	3.6	-	2.0	-	.8	-
276	Commercial printing	3.3	-	2.6	-	.5	-	3.3	-	1.7	-	.9	-
2751	Commercial printing, letterpress	3.6	-	2.8	-	.7	-	3.5	-	2.1	-	.9	-
2752	Commercial printing, lithographic	3.2	-	2.6	-	.4	-	3.3	-	1.4	-	1.0	-
278	Blankbooks and bookbinding	4.4	-	4.8	-	.4	-	4.8	-	3.0	-	1.1	-
28	CHEMICALS AND ALLIED PRODUCTS	1.9	2.5	1.4	2.0	.4	.3	1.6	1.7	.7	.8	.3	.3
281	Industrial inorganic chemicals	1.4	-	1.0	-	.2	-	1.0	-	.4	-	.1	-
2819	Industrial inorganic chemicals, nec	1.4	-	1.0	-	.1	-	1.0	-	.4	-	.1	-
282	Plastics materials and synthetics	1.4	-	1.0	-	.2	-	1.0	-	.5	-	.1	-
2821	Plastics materials and resins	1.7	-	1.5	-	.1	-	1.3	-	.6	-	.1	-
2824	Organic fibers, noncellulosic	.7	-	.5	-	(¹)	-	.8	-	.3	-	.1	-
283	Drugs	1.6	-	1.2	-	.3	-	1.3	-	.6	-	.2	-
2834	Pharmaceutical preparations	1.7	-	1.3	-	.3	-	1.4	-	.7	-	.2	-
284	Soap, cleaners, and toilet goods	3.0	-	2.0	-	.9	-	2.4	-	1.0	-	.7	-
2841	Soap and other detergents	1.9	-	1.0	-	.9	-	2.1	-	.5	-	1.1	-
2844	Toilet preparations	3.8	-	2.2	-	1.4	-	2.6	-	1.3	-	.6	-
285	Paints and allied products	2.4	-	2.0	-	.2	-	2.1	-	1.2	-	.2	-
286	Industrial organic chemicals	1.1	-	.9	-	(¹)	-	.9	-	.5	-	(¹)	-
287	Agricultural chemicals	3.6	-	2.9	-	.6	-	2.9	-	1.8	-	.4	-
289	Miscellaneous chemical products	2.8	-	1.5	-	1.2	-	3.1	-	1.0	-	1.5	-
29	PETROLEUM AND COAL PRODUCTS	2.5	4.1	2.0	3.4	.4	.4	1.9	2.1	.8	1.0	.5	.5
291	Petroleum refining	1.7	-	1.5	-	.1	-	1.3	-	.4	-	.4	-
295	Paving and roofing materials	6.4	-	3.9	-	2.4	-	4.3	-	2.4	-	.8	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	5.1	6.2	4.1	5.1	.8	.8	4.8	5.0	2.7	3.1	1.0	.7
301	Tires and inner tubes	1.6	-	1.1	-	.1	-	1.6	-	.6	-	.2	-
302	Rubber and plastics footwear	6.3	-	5.3	-	.5	-	8.7	-	5.2	-	1.8	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting	2.7	-	2.5	-	(¹)	-	2.3	-	1.8	-	(¹)	-
306	Fabricated rubber products, nec	3.6	-	2.7	-	.6	-	3.6	-	1.8	-	.8	-
307	Miscellaneous plastics products	6.4	-	5.2	-	1.0	-	5.9	-	3.5	-	1.3	-
31	LEATHER AND LEATHER PRODUCTS	7.0	8.9	5.0	6.4	1.6	1.9	6.9	7.5	4.1	4.9	1.7	1.4
311	Leather tanning and finishing	4.5	-	2.8	-	1.6	-	7.0	-	2.9	-	3.4	-
314	Footwear, except rubber	7.5	-	5.5	-	1.5	.7	7.1	-	4.5	-	1.5	-
3143	Men's footwear, except athletic	6.7	-	5.4	-	.8	-	7.0	-	5.0	-	.8	-
3144	Women's footwear, except athletic	8.3	-	5.4	-	2.3	-	7.6	-	4.4	-	2.0	-
	NONMANUFACTURING:												
-	MINING	4.5	5.2	3.2	4.0	.9	.8	3.6	3.7	2.3	2.2	.6	.7
10	METAL MINING	3.2	5.0	2.3	4.3	.6	.5	2.1	2.3	1.3	1.5	.2	.1
101	Iron ores	2.8	-	1.0	-	1.0	-	1.8	-	.3	-	.4	-
102	Copper ores	2.2	-	1.4	-	.5	-	1.3	-	.6	-	(¹)	-
12	BITUMINOUS COAL AND LIGNITE MINING	1.8	1.8	1.1	1.1	.5	.5	1.8	2.6	.7	.6	.6	1.6
13	OIL AND GAS EXTRACTION	6.0	7.2	4.7	5.7	.9	1.1	5.3	5.1	3.6	3.4	.7	.4
131,2	Crude petroleum, natural gas, and natural gas liquids	2.4	-	1.7	-	.4	-	1.7	-	.9	-	.2	-
138	Oil and gas field services	8.7	-	6.8	-	1.2	-	7.9	-	5.5	-	1.1	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	5.4	-	3.4	-	2.0	-	2.8	-	1.9	-	.2	-
142	Crushed and broken stone	6.3	-	3.7	-	2.4	-	2.5	-	1.8	-	.1	-
144	Sand and gravel	7.8	-	4.2	-	3.6	-	3.3	-	2.3	-	.2	-
-	COMMUNICATION:												
481	Telephone communication	1.6	-	1.4	-	(¹)	-	.8	-	.4	-	.1	-

¹ Less than 0.05.

^P preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED LABOR TURNOVER

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

[Per 100 employees]

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions												
1969	4.9	4.8	4.9	4.9	4.7	5.0	4.7	4.5	4.7	4.6	4.5	4.6
1970	4.4	4.4	4.0	4.0	4.1	4.1	4.1	3.9	3.9	3.8	3.7	3.8
1971	3.8	3.7	3.7	3.8	3.8	3.8	3.8	4.0	4.0	3.9	4.0	4.2
1972	4.3	4.3	4.4	4.4	4.4	4.3	4.3	4.5	4.5	4.6	4.7	4.9
1973	5.0	5.2	5.1	4.9	4.8	4.7	4.6	4.6	4.8	4.8	5.0	4.7
1974	4.7	4.6	4.5	4.7	4.5	4.3	4.2	4.1	4.0	3.8	3.3	3.1
1975	3.0	3.1	3.2	3.8	3.6	3.8	4.0	4.0	3.8	3.9	3.9	3.9
1976	4.2	4.2	4.2	4.1	3.9	3.8	3.8	3.7	3.7	3.8	3.8	4.0
1977	4.0	4.4	4.1	3.9	3.9	3.9	3.9	3.7	3.9	4.0	4.1	4.4
1978	4.2	4.0	3.9	4.2	4.0 ^P	3.9	3.8	3.8	4.1	4.4	4.5	4.4
1979	4.4	4.3	4.1	3.9	4.1 ^P							
New hires												
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	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.5	2.7	2.9
1972	3.0	3.1	3.2	3.2	3.3	3.2	3.2	3.3	3.4	3.6	3.7	4.0
1973	4.0	4.2	4.1	4.0	4.0	3.8	3.7	3.7	3.8	3.9	4.1	3.8
1974	3.8	3.7	3.6	3.5	3.5	3.3	3.2	3.1	3.0	2.7	2.3	1.9
1975	1.6	1.6	1.5	1.7	1.8	1.9	2.3	2.3	2.3	2.4	2.5	2.5
1976	2.6	2.8	2.9	2.8	2.7	2.7	2.6	2.5	2.4	2.5	2.5	2.6
1977	2.7	2.8	2.9	2.8	3.0	2.8	2.7	2.7	2.7	2.8	2.9	3.3
1978	3.1	3.0	3.0	3.1	3.0	3.0	2.9	2.8	3.1	3.4	3.5	3.5
1979	3.4	3.4	3.2	3.0	3.1 ^P							
Total separations												
1969	4.6	4.9	4.9	4.8	4.8	5.0	4.8	4.9	4.9	5.0	4.9	4.9
1970	5.0	5.2	4.9	5.2	5.0	4.8	4.5	4.8	4.8	5.0	4.7	4.4
1971	4.3	4.1	4.0	4.1	4.2	4.1	4.2	4.6	4.3	4.1	4.1	4.1
1972	4.2	4.1	4.2	4.2	4.2	4.5	4.5	4.2	4.3	4.1	4.3	4.4
1973	4.6	4.7	4.8	4.6	4.6	4.7	4.9	4.6	4.5	4.7	4.8	4.8
1974	5.1	5.0	4.9	4.7	4.5	4.5	4.6	4.7	4.5	4.8	5.1	4.9
1975	5.2	5.0	4.6	4.6	4.6	4.3	4.0	3.9	3.8	3.8	3.8	3.5
1976	3.6	3.6	3.9	3.9	3.8	3.9	3.9	3.9	3.9	3.9	3.7	3.7
1977	4.0	4.1	3.7	3.7	3.8	3.8	3.9	3.9	3.8	3.7	3.9	3.9
1978	3.8	3.8	3.8	4.0	3.9	4.0	3.9	3.7	3.7	3.9	3.9	4.1
1979	4.0	4.0	4.0	4.0	4.0 ^P							
Quits												
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	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.5	2.6
1973	2.8	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.9	2.9	2.7
1974	2.7	2.8	2.7	2.6	2.6	2.5	2.5	2.3	2.3	2.0	1.8	1.7
1975	1.4	1.3	1.2	1.2	1.3	1.4	1.4	1.5	1.4	1.5	1.6	1.5
1976	1.6	1.7	1.9	1.8	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.7
1977	1.9	1.9	1.8	1.8	1.9	1.8	1.8	1.8	1.9	1.9	2.0	2.0
1978	2.0	2.0	2.0	2.2	2.1	2.1	2.0	1.9	2.0	2.3	2.2	2.2
1979	2.3	2.3	2.2	2.1	2.0 ^P							
Layoffs												
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	1.5	1.5	2.0	1.7	1.5	1.4	1.3
1972	1.2	1.2	1.1	1.2	1.2	1.4	1.4	1.1	1.0	1.0	.9	.9
1973	.9	.8	.9	.8	.9	.9	.9	1.2	.9	.8	1.0	1.1
1974	1.4	1.3	1.2	1.1	1.0	1.1	1.2	1.4	1.3	1.8	2.4	2.5
1975	2.9	2.9	2.7	2.6	2.5	2.2	1.7	1.7	1.7	1.5	1.5	1.3
1976	1.2	1.0	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.3	1.2
1977	1.3	1.4	1.1	1.1	1.1	1.2	1.2	1.3	1.1	1.1	1.0	1.0
1978	.9	.9	1.0	.9	1.0	1.0	.9	.9	.8	.9	.8	.9
1979	.8	.8	.9	1.0	1.0 ^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		Recalls		Total		Quits		Layoffs	
	Mar. 1979	Apr. 1979 ^P	Mar. 1979	Apr. 1979 ^P	Mar. 1979	Apr. 1979 ^P	Mar. 1979	Apr. 1979 ^P	Mar. 1979	Apr. 1979 ^P	Mar. 1979	Apr. 1979 ^P
ALABAMA:												
Birmingham	2.8	2.6	1.6	1.5	0.9	0.8	2.6	2.0	1.0	0.8	0.8	0.4
Mobile	5.1	6.7	2.6	1.4	2.5	5.1	5.6	12.9	1.3	1.2	3.4	10.8
ALASKA	22.7	17.0	16.8	13.0	4.5	3.7	8.9	15.3	6.1	6.8	.8	1.1
ARIZONA	5.2	5.3	4.6	4.6	.5	.6	4.9	4.4	3.0	2.8	.6	.4
Phoenix	5.5	5.4	4.8	4.8	.6	.4	5.0	4.5	3.1	2.9	.5	.3
ARKANSAS	6.5	5.2	5.1	4.3	1.1	.7	6.2	5.3	4.2	3.4	.9	.8
Fort Smith	7.6	5.0	3.5	3.5	3.4	.7	6.1	5.4	3.7	3.6	1.2	1.1
Little Rock—North Little Rock	4.4	4.8	3.6	4.3	.5	.4	4.9	4.6	3.0	2.5	.6	1.2
Pine Bluff	3.7	3.4	2.6	2.6	.5	.4	3.7	2.9	1.8	1.8	1.5	.6
COLORADO	4.4	(*)	4.0	(*)	.2	(*)	4.2	(*)	2.9	(*)	.3	(*)
Denver—Boulder	4.1	(*)	3.7	(*)	.2	(*)	4.1	(*)	2.8	(*)	.3	(*)
CONNECTICUT	2.6	2.5	2.1	2.0	.4	.4	2.7	2.4	1.4	1.3	.6	.5
Hartford	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
DELAWARE	2.1	2.1	1.0	1.2	.6	.5	1.7	1.6	.7	.7	.6	.5
Wilmington	1.7	1.7	.9	.9	.3	.3	1.6	1.3	.6	.5	.5	.4
FLORIDA	5.5	5.8	4.7	4.8	.6	.8	6.0	5.7	3.5	3.2	1.3	1.4
Fort Lauderdale—Hollywood	7.7	6.3	6.2	5.7	.6	.2	5.8	5.5	4.0	4.1	.4	.2
Jacksonville	5.1	5.9	3.3	4.5	1.7	1.3	5.4	3.9	2.4	2.2	1.9	.5
Miami	5.5	4.4	5.0	4.0	.5	.4	5.0	4.8	3.2	3.1	.7	.8
Orlando	5.0	4.3	4.4	3.8	.3	.4	6.0	5.1	3.6	3.7	1.3	.5
Pensacola	1.5	1.7	1.3	1.6	.1	(¹)	1.8	1.8	1.1	1.2	.3	.3
Tampa—St. Petersburg	6.5	7.4	5.4	6.2	1.0	1.1	6.7	5.8	4.4	4.2	1.2	.6
West Palm Beach—Boca Raton	5.5	5.3	5.3	5.0	.1	.3	6.6	6.8	2.7	2.4	1.9	3.7
GEORGIA ²	4.1	4.1	3.3	3.1	.5	.6	4.0	4.0	2.6	2.5	.5	.6
Atlanta	3.5	3.7	2.8	2.5	.4	.8	3.2	3.5	1.9	1.7	.6	1.0
HAWAII ³	3.2	3.2	2.0	1.5	.6	1.4	3.3	3.4	1.1	1.2	1.2	1.3
IDAHO ⁴	5.4	(*)	4.2	(*)	1.0	(*)	11.6	(*)	3.4	(*)	7.5	(*)
ILLINOIS:												
Chicago SMSA	3.6	3.2	2.9	2.7	.4	.2	3.5	3.0	1.9	1.7	.6	.4
INDIANA	2.8	3.0	1.8	1.9	.5	.7	3.1	3.0	1.3	1.3	.9	.8
Indianapolis ⁵	2.9	3.6	1.8	2.3	.4	.9	3.1	2.7	1.3	1.3	.7	.5
IOWA	3.5	3.5	2.0	2.2	1.2	1.0	3.3	4.2	1.5	1.7	.9	1.8
Cedar Rapids	2.9	2.5	1.9	1.3	1.0	1.0	2.2	2.1	1.2	.8	.8	1.0
Des Moines	1.7	3.9	.9	1.8	(¹)	.4	2.3	4.4	.8	2.0	.2	.2
KANSAS	4.9	4.6	4.3	4.1	.5	.3	4.5	4.9	3.1	3.3	.4	.6
Topeka	4.3	3.7	3.8	3.6	.5	.1	3.5	3.6	2.0	2.5	.3	.1
Wichita	5.0	5.1	4.4	4.4	.5	.4	4.2	4.9	2.7	3.2	.4	.7
KENTUCKY	3.1	3.1	2.0	1.9	.8	.8	3.3	2.9	1.5	1.3	1.0	.9
Louisville	2.3	2.3	1.1	1.0	.5	.7	2.1	1.9	.7	.7	.4	.2
LOUISIANA												
New Orleans	4.5	(*)	3.8	(*)	.6	(*)	4.2	(*)	2.6	(*)	.6	(*)
MAINE	4.8	5.2	3.7	4.1	.9	.9	5.2	5.0	2.9	2.9	1.4	1.2
Portland	4.3	3.3	3.6	2.5	.3	.4	3.2	3.5	2.1	2.1	.3	.6
MARYLAND	2.9	2.7	1.8	1.7	.9	.9	2.6	2.6	1.1	1.0	.9	1.0
Baltimore	2.7	2.4	1.5	1.5	.9	.8	2.5	2.5	.9	.8	.9	1.1
MASSACHUSETTS	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Boston	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
MICHIGAN	2.4	2.4	1.7	1.5	.4	.7	2.3	2.6	.9	.9	.5	.9
Detroit	2.3	2.3	1.8	1.4	.2	.6	2.2	2.2	.9	.9	.5	.6
Flint	1.7	1.5	1.4	1.2	(¹)	.1	1.5	1.3	.5	.4	.1	.1
Grand Rapids	2.6	3.1	1.3	2.0	1.0	.8	3.0	3.8	1.4	1.5	1.0	1.5
Lansing—East Lansing	1.3	1.3	.9	1.0	.1	.2	1.1	1.0	.5	.5	(¹)	.1

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**

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

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Mar. 1979	Apr. 1979 ^p	Mar. 1979	Apr. 1979 ^p	Mar. 1979	Apr. 1979 ^p	Mar. 1979	Apr. 1979 ^p	Mar. 1979	Apr. 1979 ^p	Mar. 1979	Apr. 1979 ^p
MINNESOTA	3.8	3.9	3.1	3.0	0.5	0.7	3.3	3.6	2.2	2.1	0.5	0.9
Minneapolis—St. Paul	3.5	3.3	3.0	2.7	.3	.4	2.8	2.7	2.0	1.8	.2	.3
MISSISSIPPI:												
Jackson	3.8	3.1	3.1	2.9	.5	.1	3.1	2.9	2.4	2.1	.3	.2
MISSOURI	3.3	3.3	2.4	2.4	.7	.6	3.3	3.2	1.8	1.7	.7	.8
Kansas City	3.6	3.2	2.8	2.7	.6	.3	3.1	2.8	1.8	1.7	.5	.3
St. Louis	2.5	2.7	1.8	1.8	.6	.7	2.6	2.5	1.1	1.0	.7	.9
MONTANA	2.6	2.9	1.2	1.9	.4	.8	3.7	2.8	1.2	1.2	1.8	.6
NEBRASKA	4.4	4.4	3.9	3.9	.5	.5	4.0	4.3	2.8	3.1	.5	.4
NEVADA	9.9	7.9	8.8	7.6	.5	.2	8.2	7.7	5.4	5.1	.4	.6
NEW HAMPSHIRE	6.1	5.6	4.8	4.8	1.0	.5	5.9	5.4	4.1	3.7	.9	.8
NEW JERSEY:												
Camden ⁶	3.6	4.0	2.4	2.7	.9	1.2	3.8	4.1	1.1	1.5	1.4	1.5
Hackensack	3.9	3.8	3.1	2.8	.6	1.0	3.4	3.9	1.7	1.7	.8	1.4
Jersey City	3.9	2.8	1.9	1.6	1.9	1.1	2.8	3.4	1.0	1.0	1.1	1.8
Newark	3.0	2.5	2.3	1.9	.5	.3	3.0	2.8	1.3	.9	.7	1.0
New Brunswick—Perth Amboy—Sayreville	3.9	3.7	3.1	2.9	.6	.4	3.9	3.3	1.6	1.7	1.0	.6
Peterson—Clifton—Passaic	3.3	3.5	2.4	2.8	.7	.5	3.3	3.5	1.5	1.6	1.0	1.0
Trenton	2.7	2.8	1.7	2.0	.8	.6	2.0	2.3	1.0	.9	.2	.6
NEW YORK	3.8	3.5	2.4	2.2	1.2	1.1	3.5	3.5	1.3	1.2	1.4	1.5
Albany—Schenectady—Troy	2.3	2.9	1.1	1.4	.8	.8	2.9	3.2	.8	.8	1.3	1.1
Binghamton	3.3	2.8	2.7	2.3	.4	.4	3.0	2.9	1.5	1.6	.5	.3
Buffalo	2.8	2.3	1.8	1.3	.7	.8	2.1	2.1	.7	.7	.6	.8
Elmira	2.4	2.6	1.8	1.8	.3	.4	2.6	2.1	1.0	.8	.4	.3
Monroe County ⁷	2.2	1.9	1.8	1.6	.3	.1	1.6	1.5	.9	.7	.1	.2
Nassau—Suffolk ⁸	5.0	4.5	3.8	3.5	1.1	.8	4.0	3.9	2.4	2.2	.7	.8
New York and Nassau—Suffolk	4.7	4.0	3.0	2.6	1.5	1.3	4.1	4.3	1.5	1.3	1.8	2.1
New York SMSA ⁸	4.6	3.9	2.8	2.3	1.7	1.4	4.1	4.4	1.2	1.1	2.0	2.4
New York City	4.8	4.1	2.8	2.4	1.9	1.7	4.3	4.6	1.2	1.1	2.3	2.6
Rochester	2.5	2.2	1.9	1.7	.4	.4	2.2	1.9	1.0	.9	.5	.4
Syracuse	2.6	3.0	1.5	1.7	.9	1.0	3.1	2.4	1.1	.9	1.2	.8
Utica—Rome	2.5	2.9	1.6	1.8	.8	1.0	2.4	3.0	1.0	.9	.8	1.5
Westchester County ⁹	3.0	2.2	2.3	1.8	.4	.2	2.6	3.0	1.1	1.1	.7	1.2
NORTH CAROLINA	4.1	4.2	3.5	3.6	.3	.3	4.4	4.1	3.1	3.1	.5	.2
Charlotte—Gastonia	5.4	5.6	4.7	5.0	.4	.4	5.4	5.4	4.2	4.4	.2	.1
Greensboro—Winston-Salem—High Point	3.4	3.6	3.1	3.0	1	.2	3.7	3.7	2.6	2.7	.3	.2
NORTH DAKOTA	6.8	6.5	5.3	5.5	1.1	.7	5.1	7.5	3.8	3.8	.3	2.5
Fargo—Moorhead	4.9	5.4	4.3	4.5	.6	.5	3.3	5.2	2.1	2.3	.2	2.0
OHIO	2.5	2.5	1.6	1.5	(*)	(*)	2.6	2.6	1.0	.9	.8	1.0
Akron	1.6	1.7	1.0	1.2	(*)	(*)	1.5	1.6	.7	.5	.3	.5
Canton	3.2	3.0	1.9	1.9	(*)	(*)	2.7	2.9	.9	1.0	.3	.7
Cincinnati	2.3	2.9	1.6	1.8	(*)	(*)	2.2	2.8	1.0	1.0	.4	1.1
Cleveland	2.7	2.6	2.0	1.9	(*)	(*)	2.5	2.8	1.2	1.2	.4	.6
Columbus	2.4	2.5	1.6	1.5	(*)	(*)	2.6	2.9	1.2	1.0	.8	1.2
Dayton	1.8	1.8	1.4	1.4	(*)	(*)	4.5	2.8	1.0	.8	2.8	1.3
Toledo	2.1	2.6	1.0	1.4	(*)	(*)	2.5	2.6	.7	.6	.7	.9
Youngstown—Warren	2.0	2.1	1.0	1.0	(*)	(*)	2.5	2.3	.5	.3	1.1	1.1
OKLAHOMA	6.5	6.4	5.8	5.7	.5	.5	6.5	6.1	4.8	4.6	.6	.5
Oklahoma City	7.0	6.6	6.2	5.9	.7	.6	7.1	6.3	5.0	4.9	.8	.5
Tulsa ¹⁰	6.2	6.1	5.7	5.6	.3	.4	6.1	5.9	4.1	4.0	.5	.6
OREGON ¹¹	4.8	4.4	3.5	3.5	1.2	.9	4.2	3.8	2.4	2.4	.9	.5
Portland ¹¹	5.2	4.7	3.9	3.8	1.2	.9	4.3	4.2	2.7	2.7	.8	.6
PENNSYLVANIA	3.1	3.0	1.8	1.8	1.0	1.0	2.9	2.9	1.1	1.1	1.0	1.1
Allentown—Bethlehem—Easton	2.1	2.8	1.5	1.6	.5	.9	2.6	2.7	1.0	.9	1.0	1.0
Altoona	2.1	1.7	1.4	.9	.7	.7	1.7	1.8	.6	.7	.8	.9
Erie	2.7	2.6	1.8	1.5	.4	.6	2.9	2.4	.9	1.0	1.0	.5
Harrisburg	3.3	2.3	2.5	1.9	.6	.4	2.6	2.9	1.6	1.2	.2	.2
Johnstown	1.7	3.5	.7	1.3	1.0	2.1	1.8	2.4	.7	.8	.7	.8
Lancaster	3.4	3.2	2.4	2.4	.9	.6	3.1	3.2	1.8	1.9	.9	.7

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

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

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Mar. 1979	Apr. 1979 ^P	Mar. 1979	Apr. 1979 ^P	Mar. 1979	Apr. 1979 ^P	Mar. 1979	Apr. 1979 ^P	Mar. 1979	Apr. 1979 ^P	Mar. 1979	Apr. 1979 ^P
PENNSYLVANIA—Continued												
Northeast Pennsylvania	3.9	2.8	2.3	1.3	1.5	1.2	3.9	3.6	1.2	1.1	2.1	2.0
Philadelphia SMSA	2.8	2.8	1.9	2.0	.7	.6	2.5	2.9	1.1	1.1	.7	1.2
Pittsburgh	2.2	2.2	1.1	1.0	.7	.9	2.0	2.1	.5	.4	.8	1.0
Reading	2.8	3.1	2.1	2.2	.7	.8	3.5	3.5	1.5	1.5	1.3	1.4
Scranton	3.5	1.8	2.3	1.0	1.1	.7	3.2	4.5	1.4	1.1	1.4	3.0
Wilkes-Barre—Hazleton ¹²	3.3	3.0	1.9	1.3	1.1	1.3	3.5	2.7	.9	1.0	2.0	1.2
Williamsport	3.1	2.1	1.8	1.6	.9	.4	2.7	3.2	1.1	.9	1.1	1.0
York	3.5	3.3	2.8	2.8	.6	.5	3.3	3.5	2.1	2.1	.5	.9
RHODE ISLAND												
Providence—Warwick—Pawtucket	4.9	5.1	3.7	3.7	.8	1.2	5.2	4.6	2.9	2.6	1.3	1.2
.....	4.7	4.6	3.6	3.5	.8	1.0	5.1	4.5	2.9	2.6	1.3	1.2
SOUTH CAROLINA												
Charleston—North Charleston	3.8	4.2	3.2	3.6	.4	.3	4.3	4.1	2.6	2.7	.7	.4
Columbia	4.9	4.2	4.0	3.5	.8	.7	5.2	4.6	2.6	2.3	1.5	.7
Greenville—Spartanburg	5.0	3.5	3.7	3.4	1.0	.1	3.1	3.5	2.2	2.6	.1	(¹)
.....	4.2	4.7	3.8	4.2	.2	.2	4.9	4.5	3.0	3.1	.7	.2
SOUTH DAKOTA												
Sioux Falls	5.7	5.2	4.6	3.7	.7	1.1	3.6	3.7	2.6	2.7	.5	.3
.....	3.6	6.1	2.3	2.7	1.3	3.3	3.5	3.7	2.0	2.2	1.1	1.0
TENNESSEE:												
Memphis	3.1	3.1	2.3	2.2	.6	.8	2.8	3.0	1.5	1.5	.6	.7
TEXAS:												
Dallas—Fort Worth	5.5	(*)	5.0	(*)	.3	(*)	5.3	(*)	3.9	(*)	.2	(*)
Houston	4.3	(*)	4.1	(*)	.2	(*)	4.2	(*)	2.9	(*)	.2	(*)
San Antonio	4.7	(*)	4.2	(*)	.4	(*)	4.5	(*)	3.1	(*)	.4	(*)
UTAH⁴												
Salt Lake City—Ogden ⁴	5.2	4.8	4.5	4.0	.5	.5	5.2	5.0	3.5	3.7	.6	.4
.....	5.3	4.3	4.7	4.0	.5	.2	4.8	5.0	3.5	3.6	.4	.3
VERMONT												
Burlington	3.5	3.8	2.7	2.9	.6	.5	3.6	3.7	1.9	2.1	1.0	1.0
Springfield	2.1	2.9	1.3	2.6	.6	(¹)	1.5	2.7	.5	1.6	.7	.2
.....	3.5	2.8	2.4	2.2	1.0	.5	3.2	2.7	1.5	1.3	1.2	.6
VIRGINIA												
Richmond	3.2	3.5	2.4	2.6	.6	.6	3.3	3.5	1.7	1.8	.7	.9
.....	2.2	2.0	1.7	1.5	(¹)	(¹)	2.1	2.0	.9	.9	.2	.1
WASHINGTON:												
Seattle—Everett ¹³	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
WISCONSIN												
Milwaukee	2.9	3.3	1.9	2.1	.6	.8	2.9	2.8	1.2	1.3	.8	.7
.....	2.9	3.1	1.9	2.2	.5	.4	2.7	2.9	1.1	1.2	.4	.6
WYOMING												
.....	6.1	6.3	5.4	5.9	.7	.4	6.6	5.7	5.3	4.0	.3	.4

¹ Less than 0.05.

² Excludes agricultural chemicals, and miscellaneous manufacturing.

³ Excludes canned fruits, vegetables, preserves, jams, and jellies.

⁴ Excludes canning and preserving, and sugar.

⁵ Excludes canning and preserving, and newspapers.

⁶ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

⁷ Subarea of Rochester Standard Metropolitan Statistical Area.

⁸ Area included in New York and Nassau-Suffolk combined SMSA's.

⁹ Subarea of New York Standard Metropolitan Statistical Area.

¹⁰ Excludes new-hire rate for transportation equipment.

¹¹ Excludes canning and preserving.

¹² Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.

¹³ Excludes canning and preserving, printing and publishing.

^P—preliminary.

* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAY. 1978	APR. 1979	MAY. 1979P	MAY. 1978	APR. 1979	MAY. 1979P	MAY. 1978	APR. 1979	MAY. 1979P
ALABAMA	1,599.2	1,601.4	1,623.2	92.3	107.6	107.3	5.8	6.7	6.6
Birmingham	369.1	373.4	377.1	19.1	21.9	21.9	5.2	5.9	5.8
Huntsville	133.7	134.2	136.8	7.4	8.6	8.5	5.5	6.4	6.2
Mobile	178.8	179.6	182.8	11.5	12.8	14.5	6.4	7.1	7.9
Montgomery	114.0	116.8	118.8	6.2	6.5	6.5	5.4	5.5	5.5
Tuscaloosa	51.3	51.5	51.8	2.9	3.1	3.2	5.7	6.1	6.2
ALASKA	184.4	182.8	188.2	22.3	18.2	16.9	12.1	10.0	9.0
ARIZONA	979.2	1,042.8	1,041.1	57.0	53.1	52.4	5.8	5.1	5.0
Phoenix	588.3	632.7	631.8	30.0	28.0	27.3	5.1	4.4	4.3
Tucson	177.4	187.4	186.8	9.9	7.7	7.9	5.6	4.1	4.2
ARKANSAS	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Fayetteville-Springdale	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Fort Smith ¹	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Little Rock-North Little Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Pine Bluff	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
CALIFORNIA ²	10,615.6	10,661.8	10,731.9	743.9	655.7	600.8	7.0	6.2	5.6
Anaheim-Santa Ana-Garden Grove	998.5	1,039.4	1,046.1	45.3	39.2	38.3	4.5	3.8	3.7
Bakersfield	175.3	171.2	175.5	14.4	15.8	14.0	8.2	9.2	8.0
Fresno	256.1	246.8	260.5	21.7	21.2	19.9	8.5	8.6	7.6
Los Angeles-Long Beach ²	3,389.0	3,430.0	3,422.0	243.0	195.0	163.0	7.2	5.7	4.8
Modesto	135.4	128.9	132.3	21.5	16.6	16.7	15.9	12.9	12.6
Oxnard-Simi Valley-Ventura	216.4	214.8	212.3	15.0	14.2	11.4	6.9	6.6	5.4
Riverside-San Bernardino-Ontario	553.7	557.8	559.5	35.7	31.4	32.5	6.5	5.6	5.8
Sacramento	446.8	450.2	451.6	32.7	32.4	30.0	7.3	7.2	6.6
Salinas-Seaside-Monterey	130.9	125.9	130.0	9.9	10.5	8.8	7.5	8.4	6.8
San Diego	686.7	702.4	706.1	41.8	38.8	37.6	6.1	5.5	5.3
San Francisco-Oakland	1,588.2	1,574.0	1,578.2	89.4	81.9	79.2	5.7	5.2	5.0
San Jose	660.0	668.7	673.5	38.7	31.9	32.6	5.9	4.8	4.8
Santa Barbara-Santa Maria-Lompoc	142.4	139.1	139.3	9.2	8.1	7.3	6.5	5.8	5.2
Santa Rosa	120.1	119.6	120.5	8.3	8.1	7.4	6.9	6.8	6.1
Stockton	164.6	156.0	161.8	17.7	16.7	14.7	10.8	10.7	9.1
Vallejo-Fairfield-Napa	122.5	120.6	122.0	7.5	7.2	7.0	6.1	6.0	5.7
COLORADO	1,284.0	1,309.1	1,328.5	68.8	66.5	62.6	5.4	5.1	4.7
Denver-Boulder	757.1	771.9	780.8	37.2	36.6	33.7	4.9	4.7	4.3
CONNECTICUT	1,511.6	1,579.1	1,591.6	79.5	81.1	74.6	5.3	5.1	4.7
Bridgeport	184.7	189.8	190.9	10.0	10.5	10.1	5.4	5.6	5.3
Hartford	361.1	378.6	381.7	17.1	17.6	16.2	4.7	4.6	4.2
New Britain	70.6	74.8	74.9	3.6	4.0	3.5	5.1	5.3	4.7
New Haven-West Haven	195.2	205.5	207.4	9.8	10.2	9.7	5.0	5.0	4.7
Stamford	116.3	120.6	121.8	4.6	4.8	4.3	4.0	3.9	3.5
Waterbury	107.8	109.8	111.1	7.1	6.9	5.9	6.6	6.3	5.3
DELAWARE	271.7	269.6	272.1	18.9	19.9	18.9	6.9	7.4	6.7
Wilmington ¹	236.3	237.3	238.3	15.3	15.9	15.0	6.5	6.7	6.3
DISTRICT OF COLUMBIA	330.9	324.1	321.2	27.8	25.8	26.1	8.4	8.0	8.1
Washington SMSA ¹	1,558.0	1,570.0	1,584.7	72.2	69.5	69.0	4.6	4.4	4.4
FLORIDA ²	3,624.5	3,831.5	3,788.6	223.4	202.2	192.7	6.2	5.3	5.1
Fort Lauderdale-Hollywood	369.8	391.6	383.8	24.2	20.6	18.7	6.5	5.3	4.9
Jacksonville	293.2	306.2	305.3	17.2	16.5	15.4	5.9	5.4	5.0
Miami	674.9	708.7	699.9	47.6	38.7	37.9	7.1	5.5	5.4
Orlando	284.8	310.8	308.8	15.9	15.0	14.5	5.6	4.8	4.7
Pensacola	107.5	111.4	110.7	5.3	5.6	5.3	4.9	5.0	4.8
Tampa-St. Petersburg	556.5	580.4	576.6	31.8	28.4	26.5	5.7	4.9	4.6
West Palm Beach-Boca Raton	199.0	221.8	215.0	13.1	11.9	12.0	6.6	5.4	5.6
GEORGIA	2,316.0	2,328.6	2,337.1	121.5	116.4	110.7	5.2	5.0	4.7
Albany	47.0	50.3	51.1	3.2	2.7	2.8	6.7	5.3	5.4
Atlanta	911.3	909.5	916.5	45.5	41.7	40.9	5.0	4.6	4.5
Augusta	121.0	125.0	126.3	7.3	7.0	7.1	6.0	5.6	5.6
Columbus ¹	85.1	86.4	87.2	5.2	5.6	5.5	6.1	6.5	6.3
Macon	102.2	99.4	100.4	6.9	5.5	5.5	6.7	5.5	5.4
Savannah	90.7	89.5	90.4	5.0	4.8	5.1	5.5	5.4	5.7

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAY. 1978	APR. 1979	MAY. 1979P	MAY. 1978	APR. 1979	MAY. 1979P	MAY. 1978	APR. 1979	MAY. 1979P
HAWAII	395.9	397.1	395.8	31.6	27.0	26.5	8.0	6.8	6.7
Honolulu	313.1	312.5	311.7	24.3	20.1	20.1	7.7	6.4	6.5
IDAHO	402.5	411.2	421.0	20.4	26.4	21.9	5.1	6.4	5.2
Boise City	86.1	89.4	N.A.	2.6	4.1	N.A.	3.1	4.6	N.A.
ILLINOIS ²	5,266.3	5,218.8	5,182.0	319.3	272.7	245.0	6.1	5.2	4.7
Bloomington—Normal	58.8	58.9	58.1	2.3	2.4	2.1	3.9	4.0	3.7
Champaign—Urbana—Rantoul	78.5	79.0	75.2	3.5	3.1	2.6	4.5	3.9	3.5
Chicago	3,341.9	3,334.0	3,305.6	198.4	165.3	150.8	5.9	5.0	4.6
Davenport—Rock Island—Moline ¹	179.2	179.5	179.8	13.8	6.8	6.3	7.7	3.8	3.5
Decatur	59.0	58.2	57.6	3.9	3.4	2.9	6.6	5.8	5.1
Peoria	177.0	171.5	170.1	8.3	8.3	7.2	4.7	4.9	4.3
Rockford	133.9	134.2	133.4	6.8	6.4	5.6	5.1	4.8	4.2
Springfield	95.4	92.8	92.4	5.4	5.0	4.3	5.6	5.4	4.7
INDIANA	2,578.2	2,609.1	2,633.6	135.2	149.7	133.7	5.2	5.7	5.1
Anderson	60.9	60.2	60.3	3.3	3.9	3.1	5.5	6.5	5.2
Evansville ¹	141.9	139.6	141.1	5.6	7.0	6.4	4.0	5.0	4.5
Fort Wayne	186.0	189.2	193.2	8.0	7.8	8.6	4.3	4.1	4.4
Gary—Hammond—East Chicago	287.9	290.6	293.6	16.1	14.7	13.9	5.6	5.0	4.7
Indianapolis	578.9	583.7	590.6	29.1	29.9	24.9	5.0	5.1	4.2
Lafayette—West Lafayette	59.2	64.6	62.2	2.3	2.8	3.1	3.9	4.3	5.1
Muncie	57.4	57.7	57.8	4.6	3.9	3.1	8.1	6.8	5.3
South Bend	140.9	143.3	144.1	6.5	8.1	7.3	4.6	5.6	5.0
Terre Haute	80.3	82.2	81.0	4.5	4.8	3.7	5.6	5.8	4.5
IOWA	1,453.6	1,427.9	1,463.2	53.4	54.8	42.3	3.7	3.8	2.9
Cedar Rapids	84.8	86.7	88.1	2.8	2.9	2.5	3.3	3.4	2.9
Des Moines	182.2	180.6	182.0	6.6	6.7	5.2	3.6	3.7	2.9
Dubuque	45.3	45.4	46.0	2.3	2.5	2.1	5.1	5.4	4.6
Sioux City ¹	57.4	56.0	56.5	2.8	3.7	3.5	4.9	6.5	6.2
Waterloo—Cedar Falls	67.2	69.4	70.3	3.0	3.2	2.7	4.5	4.6	3.8
KANSAS	1,170.1	1,185.8	1,200.4	31.1	34.4	35.4	2.7	2.9	2.9
Topeka	95.9	97.5	97.4	2.8	3.6	3.5	2.9	3.6	3.6
Wichita	215.5	226.6	227.8	6.6	6.7	7.4	3.0	2.9	3.3
KENTUCKY	1,554.8	1,511.0	1,522.9	72.7	70.5	63.9	4.7	4.7	4.2
Lexington—Fayette	158.4	160.6	160.8	5.5	4.7	4.5	3.5	2.9	2.8
Louisville ¹	414.0	408.1	407.8	22.0	17.4	16.9	5.3	4.3	4.1
Owensboro	37.6	37.3	37.5	1.7	2.0	1.6	4.5	5.2	4.2
LOUISIANA	1,640.2	1,637.5	1,651.3	118.0	90.4	88.9	7.2	5.5	5.4
Alexandria	68.3	66.9	68.0	5.9	4.4	4.3	8.6	6.5	6.3
Baton Rouge	204.1	201.3	202.3	13.3	10.7	11.6	6.5	5.3	5.7
Lafayette	64.3	67.0	67.8	3.3	2.5	3.0	5.2	3.7	4.4
Lake Charles	66.9	66.0	65.8	6.2	3.7	3.4	9.2	5.6	5.1
Monroe	52.4	52.9	53.0	3.2	3.2	3.0	6.0	6.0	5.6
New Orleans	468.3	466.2	466.6	33.1	24.3	22.9	7.1	5.2	4.9
Shreveport	149.3	148.6	149.3	10.0	7.4	7.3	6.7	5.0	4.9
MAINE	468.8	477.4	482.1	26.4	32.7	32.3	5.6	6.9	6.7
Lewiston—Auburn	36.5	37.9	37.6	1.6	2.4	2.3	4.5	6.4	6.0
Portland	82.7	84.9	84.3	3.7	4.2	4.3	4.4	5.0	5.1
MARYLAND	2,046.1	2,068.3	2,094.7	108.9	111.8	106.9	5.3	5.4	5.1
Baltimore	1,039.0	1,045.5	1,056.7	60.5	61.0	58.8	5.8	5.8	5.6
MASSACHUSETTS ²	2,800.4	2,883.1	2,855.6	151.7	152.3	142.7	5.4	5.3	5.0
Boston	1,351.4	1,389.6	1,372.8	73.0	69.3	66.4	5.4	5.0	4.8
Brockton	79.6	85.6	84.5	4.4	4.7	4.5	5.6	5.5	5.3
Fall River ¹	76.9	82.0	81.5	4.3	5.1	4.8	5.6	6.2	5.9
Lawrence—Haverhill ¹	137.3	N.A.	143.0	7.2	N.A.	7.7	5.3	N.A.	5.4
Lowell	110.9	115.3	114.6	6.0	6.1	5.9	5.5	5.3	5.2
New Bedford	81.8	83.8	83.4	6.0	6.5	5.9	7.3	7.7	7.0
Springfield—Chicopee—Holyoke	272.7	280.4	277.6	13.2	12.5	11.7	4.9	4.4	4.2
Worcester	192.8	201.7	198.2	8.5	9.2	8.2	4.4	4.6	4.1
MICHIGAN ²	4,166.3	4,253.7	4,327.5	273.1	365.7	311.2	6.6	8.6	7.2
Ann Arbor	131.8	141.9	142.3	6.7	8.1	7.8	5.1	5.7	5.4

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAY. 1978	APR. 1979	MAY. 1979P	MAY. 1978	APR. 1979	MAY. 1979P	MAY. 1978	APR. 1979	MAY. 1979P
MICHIGAN—Continued									
Battle Creek	81.5	81.2	82.4	5.5	5.8	5.5	6.7	7.1	6.7
Bay City	53.9	52.1	53.4	3.5	4.1	3.8	6.4	8.0	7.1
Detroit	1,982.0	2,028.4	2,063.0	122.3	176.9	144.5	6.2	8.7	7.0
Flint	222.2	222.9	225.3	15.2	18.9	16.3	6.8	8.5	7.2
Grand Rapids	287.5	295.1	301.3	13.6	17.5	15.9	4.7	5.9	5.3
Jackson	64.3	68.1	69.3	3.9	5.6	5.0	6.1	8.3	7.1
Kalamazoo—Portage	129.7	130.0	130.8	7.3	8.3	7.5	5.6	6.4	5.8
Lansing—East Lansing	226.4	231.6	237.3	12.9	15.1	13.7	5.7	6.5	5.8
Muskegon—Norton Shores—Muskegon Heights	76.0	76.1	77.3	5.7	7.6	6.7	7.5	10.0	8.7
Saginaw	103.5	102.8	104.5	5.6	7.2	6.9	5.4	7.0	6.6
MINNESOTA	1,995.1	2,043.7	2,074.3	71.7	81.4	74.3	3.6	4.0	3.6
Duluth—Superior ¹	117.4	116.0	115.4	6.1	6.9	6.0	5.2	5.9	5.2
Minneapolis—St. Paul	1,063.6	1,082.3	1,092.7	32.7	32.9	30.9	3.1	3.0	2.8
MISSISSIPPI	968.8	975.4	993.3	64.8	53.5	51.1	6.7	5.5	5.1
Jackson	139.5	144.2	147.1	7.3	4.7	5.0	5.2	3.2	3.4
MISSOURI	2,276.7	2,301.6	2,328.7	102.4	87.8	82.5	4.5	3.8	3.5
Kansas City ¹	692.4	691.4	696.3	27.1	23.9	23.1	3.9	3.4	3.3
St. Joseph	45.6	44.0	44.0	2.0	2.1	1.8	4.4	4.7	4.2
St. Louis ¹	1,089.2	1,084.3	1,090.1	55.4	48.5	45.6	5.1	4.5	4.2
Springfield	100.9	103.3	104.5	3.7	3.2	3.1	3.7	3.1	3.0
MONTANA	373.6	377.1	381.8	18.7	18.9	16.2	5.0	5.0	4.2
Billings	53.8	53.8	54.2	2.1	1.9	1.6	3.9	3.5	2.9
Great Falls	35.0	35.4	35.8	1.9	2.0	1.8	5.4	5.6	5.1
NEBRASKA	781.2	760.4	776.4	18.3	18.5	19.5	2.3	2.4	2.5
Lincoln	108.8	108.9	110.7	2.1	2.2	2.5	1.9	2.0	2.3
Omaha ¹	280.6	269.9	275.7	9.3	9.6	10.5	3.3	3.6	3.8
NEVADA	328.2	338.9	343.5	13.8	17.5	17.3	4.2	5.1	5.0
Las Vegas	175.1	181.0	183.2	8.5	10.0	10.6	4.8	5.5	5.8
Reno	96.5	100.2	101.6	2.7	3.8	3.2	2.8	3.7	3.2
NEW HAMPSHIRE	422.6	433.9	443.6	12.3	15.5	13.6	2.9	3.6	3.1
Manchester	80.9	N.A.	N.A.	2.6	N.A.	N.A.	3.2	N.A.	N.A.
Nashua	56.3	N.A.	N.A.	1.6	N.A.	N.A.	2.8	N.A.	N.A.
NEW JERSEY	3,337.6	3,425.3	3,465.0	244.0	193.9	247.0	7.3	5.7	7.1
Atlantic City	81.9	83.9	92.5	8.2	6.8	9.1	10.1	8.1	9.8
Jersey City	248.2	242.0	244.6	29.2	20.8	25.9	11.8	8.6	10.6
Long Branch—Asbury Park	218.7	215.4	219.5	14.8	12.9	15.2	6.8	6.0	6.9
Newark	930.2	940.6	951.3	63.7	48.9	66.9	6.8	5.2	7.0
New Brunswick—Perth Amboy—Sayreville	303.7	316.3	317.5	20.4	14.5	19.8	6.7	4.6	6.2
Paterson—Clifton—Passaic	208.4	214.0	215.5	17.6	15.9	19.9	8.4	7.4	9.2
Trenton	155.5	159.0	158.6	8.7	7.3	8.7	5.6	4.6	5.5
Vineland—Millville—Bridgeton	59.5	59.5	59.9	5.7	4.6	5.1	9.6	7.8	8.6
NEW MEXICO	523.3	523.5	528.6	27.9	30.0	29.1	5.3	5.7	5.5
Albuquerque	192.6	196.2	196.3	9.8	10.8	10.6	5.1	5.5	5.4
NEW YORK²	7,722.8	7,942.8	7,853.6	577.7	533.2	460.0	7.5	6.7	5.9
Albany—Schenectady—Troy	364.1	371.6	371.3	23.1	19.7	15.3	6.4	5.3	4.1
Binghamton ¹	133.8	140.4	141.4	8.2	6.7	5.9	6.2	4.8	4.2
Buffalo	555.1	573.1	569.4	45.2	37.9	28.7	8.1	6.6	5.0
Elmira	38.6	40.0	39.8	2.8	2.2	1.9	7.2	5.5	4.8
Nessau—Suffolk	1,216.3	1,264.7	1,265.6	83.9	70.1	56.3	6.9	5.5	4.4
New York	3,589.2	3,666.4	3,575.6	282.7	278.3	262.2	7.9	7.6	7.3
New York City ²	3,017.0	3,079.0	2,984.0	248.0	252.0	240.0	8.2	8.2	8.0
Poughkeepsie	100.0	105.2	104.9	5.6	4.2	3.5	5.6	4.0	3.3
Rochester	444.9	464.8	465.3	27.1	21.8	17.7	6.1	4.7	3.8
Syracuse	291.7	300.9	299.1	20.0	17.1	13.9	6.9	5.7	4.6
Utica—Rome	132.6	136.9	137.2	9.1	8.4	6.5	6.9	6.2	4.8
NORTH CAROLINA	2,681.5	2,694.0	2,718.4	118.5	119.3	122.6	4.4	4.4	4.5
Asheville	82.2	81.3	82.4	2.9	3.8	3.4	3.5	4.7	4.1
Charlotte—Gastonia	331.4	331.0	334.2	9.2	8.3	8.9	2.8	2.5	2.6

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAY. 1978	APR. 1979	MAY. 1979P	MAY. 1978	APR. 1979	MAY. 1979P	MAY. 1978	APR. 1979	MAY. 1979P
NORTH CAROLINA—Continued									
Greensboro—Winston-Salem—High Point	414.3	420.5	421.1	14.0	18.1	17.3	3.4	4.3	4.1
Raleigh—Durham	269.5	279.2	280.1	7.2	7.8	9.0	2.7	2.8	3.2
NORTH DAKOTA									
Fargo—Moorehead ¹	301.7	299.6	315.5	11.6	13.8	12.1	3.8	4.6	3.9
	70.7	71.3	72.6	2.1	2.8	2.8	3.0	4.0	3.8
OHIO²									
Akron	4,868.0	4,962.8	4,993.1	247.4	275.3	246.0	5.1	5.5	4.9
Canton	294.7	298.0	300.0	15.8	18.0	16.3	5.4	6.1	5.4
Cincinnati ¹	175.1	178.8	179.7	9.1	9.3	8.5	5.2	5.2	4.7
Cleveland	637.0	651.8	656.5	28.8	30.2	28.9	4.5	4.6	4.4
Columbus	907.3	926.8	927.4	41.4	44.7	39.5	4.6	4.8	4.3
Dayton	522.9	535.4	536.7	23.8	25.5	22.3	4.6	4.8	4.1
Toledo ¹	373.4	385.3	386.8	16.7	23.9	21.9	4.5	6.2	5.7
Youngstown—Warren	356.9	364.8	366.6	21.1	24.9	21.2	5.9	6.8	5.8
	232.8	234.0	235.0	17.6	14.9	14.3	7.6	6.4	6.1
OKLAHOMA									
Oklahoma City	1,268.3	1,278.8	1,290.1	47.4	45.6	39.6	3.7	3.6	3.1
Tulsa	379.4	393.9	397.0	12.4	12.6	11.1	3.3	3.2	2.8
	300.7	300.6	301.5	10.8	10.4	8.7	3.6	3.5	2.9
OREGON									
Eugene—Springfield	1,188.8	1,186.2	1,194.9	69.2	84.4	80.2	5.8	7.1	6.7
Portland ¹	124.4	125.7	125.2	8.1	10.6	9.6	6.5	8.5	7.7
Salem	572.0	570.7	574.7	29.1	31.5	30.1	5.1	5.5	5.2
	111.1	110.9	112.0	6.7	8.2	7.9	6.0	7.4	7.1
PENNSYLVANIA²									
Allentown—Bethlehem—Easton ¹	5,139.3	5,185.5	5,216.7	298.4	319.9	294.3	5.8	6.2	5.6
Altoona	286.4	291.2	292.4	15.0	15.6	15.1	5.2	5.4	5.2
Erie	54.9	56.3	56.7	3.7	4.6	4.1	6.7	8.1	7.2
Harrisburg	120.2	124.1	124.8	7.0	8.3	7.7	5.8	6.7	6.2
Johnstown	210.4	212.0	213.8	8.6	9.0	8.2	4.1	4.2	3.8
Lancaster	103.7	105.4	105.9	9.0	8.0	7.0	8.6	7.6	6.6
Lancaster	168.4	172.8	173.3	6.8	6.9	6.4	4.0	4.0	3.7
Northeast Pennsylvania	270.6	275.6	276.1	18.1	20.9	18.9	6.7	7.6	6.9
Philadelphia ¹	2,036.0	2,074.8	2,083.4	134.9	131.7	130.6	6.6	6.3	6.3
Pittsburgh	967.6	979.7	988.1	48.6	52.6	47.7	5.0	5.4	4.8
Reading	143.7	149.5	151.7	7.5	7.0	7.1	5.2	4.7	4.7
Williamsport	50.6	54.1	54.3	3.0	4.1	3.9	6.0	7.5	7.1
York	161.6	166.0	167.8	6.9	6.5	7.0	4.3	3.9	4.2
RHODE ISLAND									
Providence—Warwick—Pawtucket ¹	430.4	441.8	445.4	26.0	31.1	27.8	6.0	7.0	6.3
	435.3	444.5	445.9	26.2	30.9	27.8	6.0	6.9	6.2
SOUTH CAROLINA									
Charleston—North Charleston	1,302.6	1,294.2	1,314.3	71.7	67.7	66.2	5.5	5.2	5.0
Columbia	151.0	152.4	154.8	9.0	8.1	8.4	5.9	5.3	5.4
Greenville—Spartanburg	171.0	171.9	174.6	7.5	6.5	6.9	4.4	3.8	3.9
	256.5	257.0	259.2	12.0	10.8	10.3	4.7	4.2	4.0
SOUTH DAKOTA									
Sioux Falls	338.5	340.0	344.6	8.3	12.4	10.1	2.5	3.6	2.9
	60.8	62.5	62.5	1.2	2.1	1.6	1.9	3.4	2.6
TENNESSEE									
Chattanooga ¹	1,928.6	1,938.3	1,959.4	102.0	90.2	91.7	5.3	4.7	4.7
Knoxville	186.2	188.0	187.8	10.0	10.2	9.5	5.4	5.4	5.0
Memphis ¹	200.9	206.7	207.6	8.7	7.0	7.2	4.3	3.4	3.5
Nashville—Davidson	373.0	376.5	382.2	19.9	15.9	16.9	5.3	4.2	4.4
	394.3	397.9	400.0	15.1	13.8	13.2	3.8	3.5	3.3
TEXAS²									
Amarillo	5,926.9	6,083.3	6,025.7	246.7	238.6	255.0	4.2	3.9	4.2
Austin	83.9	86.1	85.5	2.6	2.7	2.9	3.1	3.1	3.4
Beaumont—Port Arthur—Orange	233.1	243.3	240.4	6.5	6.1	6.6	2.8	2.5	2.8
Corpus Christi	164.0	162.7	159.1	10.2	9.9	10.1	6.2	6.1	6.3
Dallas—Fort Worth	131.5	131.6	130.7	7.1	5.6	6.2	5.4	4.3	4.8
El Paso	1,372.6	1,442.3	1,428.0	49.4	46.4	48.4	3.6	3.2	3.4
Galveston—Texas City	162.5	167.7	167.0	13.7	12.8	13.4	8.4	7.6	8.0
Houston	81.6	81.7	80.9	4.8	4.0	4.6	5.9	4.9	5.6
Lubbock	1,324.0	1,369.5	1,355.3	45.3	41.9	47.1	3.4	3.1	3.5
San Antonio	100.0	102.5	101.2	3.3	3.2	3.8	3.3	3.1	3.8
Waco	398.7	403.3	400.2	22.4	20.9	23.3	5.6	5.2	5.8
Wichita Falls	74.7	77.2	76.3	3.0	2.9	3.1	4.0	3.8	4.1
	58.6	59.0	58.3	1.8	1.9	2.0	3.1	3.1	3.4

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAY. 1978	APR. 1979	MAY. 1979P	MAY. 1978	APR. 1979	MAY. 1979P	MAY. 1978	APR. 1979	MAY. 1979P
UTAH	532.4	565.2	575.9	17.8	19.0	18.6	3.3	3.4	3.2
Salt Lake City—Ogden	351.8	373.3	380.0	12.0	12.5	12.1	3.4	3.3	3.2
VERMONT	234.8	238.2	238.8	14.3	15.3	12.1	6.1	6.4	5.1
VIRGINIA	2,416.7	2,433.7	2,467.0	117.1	110.9	105.4	4.8	4.6	4.3
Lynchburg	71.5	73.5	73.7	3.0	2.4	2.5	4.2	3.3	3.3
Newport News—Hampton	154.0	159.6	158.9	8.4	8.1	7.4	5.5	5.1	4.7
Norfolk—Virginia Beach—Portsmouth ¹	315.1	314.6	319.5	17.7	16.8	16.5	5.6	5.4	5.1
Petersburg—Colonial Heights—Hopewell	59.4	59.3	59.7	3.3	3.0	2.7	5.5	5.0	4.5
Richmond	311.5	316.3	320.4	11.3	10.0	9.5	3.6	3.2	3.0
Roanoke	110.3	108.0	109.0	5.3	4.5	4.0	4.8	4.2	3.7
WASHINGTON	1,756.4	1,793.4	1,827.5	117.9	132.4	120.2	6.7	7.4	6.6
Seattle—Everett	750.7	783.8	797.8	43.6	47.3	42.8	5.8	6.0	5.4
Spokane	143.0	143.5	144.4	8.2	10.5	8.9	5.7	7.3	6.2
Tacoma	165.2	167.2	168.9	12.8	12.9	12.2	7.7	7.7	7.3
WEST VIRGINIA	719.8	723.3	727.2	34.4	47.5	42.1	4.8	6.6	5.8
Charleston	117.8	117.0	117.5	4.0	4.5	4.1	3.4	3.8	3.5
Huntington—Ashland ¹	114.4	115.6	116.4	5.2	5.4	4.9	4.5	4.7	4.2
Parkersburg—Marietta ¹	64.3	67.8	68.0	2.5	3.4	3.0	3.9	5.0	4.5
Wheeling ¹	75.1	77.7	78.2	3.7	4.2	4.0	4.9	5.3	5.1
WISCONSIN	2,297.0	2,332.3	2,346.5	110.4	101.1	83.6	4.8	4.3	3.6
Appleton—Oshkosh	142.7	147.0	147.6	6.5	5.6	5.0	4.5	3.8	3.4
Eau Claire	51.8	54.9	55.0	3.0	2.9	2.5	5.7	5.4	4.6
Green Bay	86.0	86.8	86.8	4.5	4.9	3.8	5.2	5.7	4.4
Kenosha	59.1	58.1	59.3	5.5	2.6	2.2	9.3	4.4	3.8
La Crosse	44.6	45.8	46.0	2.0	2.3	1.8	4.5	4.9	4.0
Madison	174.8	175.7	176.7	6.4	6.2	5.2	3.7	3.5	2.9
Milwaukee	705.5	720.5	720.2	29.8	26.4	21.9	4.2	3.7	3.0
Racine	88.9	88.6	88.8	4.4	3.6	3.0	5.0	4.1	3.3
WYOMING	200.5	210.5	219.5	6.1	5.9	4.9	3.0	2.8	2.2

¹ Includes interstate portion of area located in adjacent State.

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

NOTE: Estimates for 1978 have been benchmarked to 1978 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 2, estimates for 1979 are pro-

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

p—preliminary.

N.A.—not available.

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

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

Explanatory Notes

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

Introduction

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

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

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

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

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

Employment

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

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

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

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

Hours of work

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

COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

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

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

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

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

COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

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

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

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

Household data

(A tables)

COLLECTION AND COVERAGE

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

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

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

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

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

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

CONCEPTS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Nonveterans are males who never served in the Armed Forces.

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

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

HISTORIC COMPARABILITY

Raised lower age limit

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

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

Noncomparability of labor force levels

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

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

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

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

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

Beginning in October 1978, the race of the individual was determined by the household respondent for the incoming rotation group households, rather than determined by the interviewer as before. The purpose of this change is to provide more accurate estimates of characteristics by race. Thus, in October 1978, one-eighth of the sample households has race determined by the household respondent and seven-eighths of the sample households has race determined by interviewer observation. The corresponding numbers are 2/8 and 6/8 in November 1978, 3/8 and 5/8 in December 1978, 4/8 and 4/8 from January 1979 through September 1979, 5/8 and 3/8 in October 1979, and so on, until the entire sample has race determined by the household respondent in January 1980. Although the impact of this change is presently unknown, it is possible that it will cause a break in the time series given for some racial statistics.

Beginning in 1979, the first stage ratio estimation method was changed in the CPS estimation procedure. The new procedure is described in the Estimating Methods section. The reasoning behind the change and an indication of the differences appear in "Revisions in the Current Population Survey in January 1979" in the February issue of *Employment and Earnings*. Differences between the old and new procedures exist only for metropolitan and nonmetropolitan estimates, not for the total U.S.

Changes in occupational classification system

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

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

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

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

Changes in sample design

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

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

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

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

² These are households which were visited, but were found to

be vacant or otherwise not eligible for interview.

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

average estimates for States, was incorporated with the existing design. A coverage improvement sample was included in computing the estimates beginning in October 1978 in order to provide coverage of mobile homes and new construction housing units that previously had no chance for selection in the CPS sample. This sample is composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 600,000 new construction housing units. These new construction units are composed of those units where building permits were issued prior to January 1970 and construction was not completed by the time of the 1970 Census (i.e., April 1970). The extent of other sources of housing undercoverage is unknown but believed to be small. The inclusion of this coverage improvement sample in the CPS does not have a significant effect on the estimates.

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

ESTIMATING METHODS

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

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

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondent for other reasons. This adjustment is made separately by combinations of sample areas within each State and the District of Columbia, and within these, for six groups—two race categories (white, and black and other) within three residence categories. For sample areas which are Standard Metropolitan Statistical Areas (SMSA's), these residence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 3 to 5 percent depending on weather, vacations, etc.

2. *Ratio estimates.* The distribution of the population selected for the sample may differ somewhat, by chance, from that of the population as a whole, in such characteristics as age, race, sex, and residence. Since these characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the latter estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:

a. *First-stage ratio estimate.* In the CPS, a portion of the 614 sample areas are chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The procedure is performed at two geographic levels: First, by the four census regions (Northeast, North Central, South and West), and secondly, for each of the 46 States which contains nonsample areas. The procedure corrects for the differences that existed at the time of the 1970 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by

metropolitan-nonmetropolitan residence and race, while the State adjustment is done by urban-rural status and race.

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

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

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

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

Rounding of estimates

The sums of individual items may not always equal the totals shown in the same tables because of independent rounding of totals

and components to the nearest thousand. Differences, however, are insignificant.

Reliability of the estimates

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

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

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

Nonsampling errors occurring in the interview phase of the survey have been studied by means of a reinterview program.

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

The effects of some components of nonsampling error in the CPS data can be examined as a result of the rotation plan used for the sample, since the level of the estimates vary by rotation group. A description of these effects appears in the article "The Effects of Rotation Group Bias on Estimates from Panel Surveys," by Barbara A. Bailer, *Journal of the American Statistical Association*, Volume 70, No. 349, March 1975.

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Overall undercoverage, as compared to the level of the decennial census, is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females and larger for black and other races than for whites. Ratio estimation to independent age-sex-race population controls, as described previously, partially corrects for the biases due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race group. Further, the independent population controls used have not been adjusted for undercoverage in the 1970 census, which was estimated at 2.5 percent of the population, with differentials by age, sex, and race similar to those observed in the CPS.

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

Sampling error. The standard error is primarily a measure of sampling variability, that is, of the variation that occurs by chance because a sample rather than the entire population is surveyed. The sample estimate and its estimated standard error enables one to construct confidence intervals, ranges that would include the average of all possible samples with a known probability. For example, if all possible samples were selected, each of these surveyed under essentially the same general conditions and using the same sample design, and an estimate and its estimated error were calculated from each sample, then:

1. Approximately 68 percent of the intervals from the one standard error or below the estimate to one standard error above the estimate would include the average result of all possible samples.
2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average of all possible samples.
3. Approximately 95 percent of the intervals from 2 standard errors below the estimate to 2 standard errors above the estimate would include the average result of all possible samples.

In order to derive standard errors that would be applicable to a large number of estimates and could be prepared at a moderate cost, a number of approximations were required. First, the standard errors in this report reflect the sample design and estimation procedure in effect prior to the expansion for annual average State estimates. Thus, these standard errors may slightly overstate the standard errors applicable to the present design. Secondly, instead of computing an individual standard error for each estimate, generalized sets of standard errors were computed for various types of characteristics. This generalization yields more stable estimates of the standard errors. Consequently, the sets of standard errors provided give an indication of the order of magnitude of the standard error of an estimate rather than the precise standard error.

Tables A and B show approximate standard errors for major employment status characteristics for both monthly estimates and for changes for consecutive months. These standard errors are applicable to the level of the estimates in recent months.

Tables C through G provide generalized standard errors for monthly level and month-to-month change for estimated totals, unemployment rates, and percentages. Table H contains factors for use with table G for computing standard errors, as described below, for monthly level and month-to-month change for percentages. Standard errors for intermediate values not shown in the tables may be approximated by linear interpolation. The standard

error for estimated changes from one month to the next is more closely related to the monthly level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between two consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table I contains factors for use with tables C, E, G and H to compute approximate standard errors, as described below, for levels, labor force participation rates and percentages as pertaining to year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages. Note, that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters end years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50 and for the 1956-1966 period they should be multiplied by 1.22.

Table A. Standard errors of major employment status categories

Employment status, sex, age, and race	Standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
<i>(In thousands)</i>		
Total, 16 years and over:		
Civilian labor force	223	171
Employed	236	180
Unemployed	107	111
Males, 20 years and over:		
Civilian labor force	124	107
Employed	135	118
Unemployed	68	71
Females, 20 years and over:		
Civilian labor force	168	129
Employed	167	131
Unemployed	64	67
Both sexes, 16-19 years:		
Civilian labor force	80	85
Employed	84	94
Unemployed	56	69
Black and other, 16 years and over:		
Civilian labor force	78	60
Employed	85	65
Unemployed	54	57
Males, 20 years and over:		
Civilian labor force	44	38
Employed	49	43
Unemployed	33	35
Females, 20 years and over:		
Civilian labor force	62	48
Employed	62	49
Unemployed	34	36
Both sexes, 16-19 years:		
Civilian labor force	33	37
Employed	30	35
Unemployed	29	32

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

Illustration. Assume that the tables showed that the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the previous month. Linear interpolation in the second column of table C shows that the standard error on an estimate of 12,000,000 is about 150,000. The 68 percent confidence interval as shown by these data is from 11,850,000 to 12,150,000. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 58 percent of all possible samples. Recall that the standard error of a month-to-month change is primarily dependent on the size of the monthly estimate. Thus, using linear interpolation in column one of table D the standard error on a month-to-month change of 400,000 when the monthly level is approximately 12,000,000 is about 111,000.

Standard errors for rates and percentages. The reliability of an estimated unemployment rate or an estimated percentage, computed using sample data for both numerator and denominator, depends on both the size of the rate or percentage and the total upon which the rate or percentage is based. Estimated rates and percentages are relatively more reliable than the corresponding estimates of the numerator of the rates or percentages; this is particularly true for percentages of 50 percent or more. As a general rule, percentages are not published when the monthly base is less than 75,000 or the annual average base is less than 35,000.

Tables E and F shows generalized standard errors for monthly level and month-to-month change for unemployment rates.

Generalized standard errors for estimated monthly percentages and estimated month-to-month change in percentages can be obtained through the use of the standard errors in table G and the factors in table H. First obtain the standard error from table G for the specific percentage and base. The generalized standard error is then calculated by multiplying the standard error from table G by the appropriate factor from table H. When the numerator and denominator of the percentage are in different categories, use the factor indicated by the numerator of the percentage.

Illustration. For example, assume that the tables show that 3.6 percent of a total of 90,771,000 employed persons are employed in agriculture. First the standard error on an estimate of 3.6 percent with a base of 90,771,000 is obtained from table G (0.09 percent). The appropriate factor from table H for the numerator of the percentage, agriculture employment, is 1.26. The generalized standard error on the estimated 3.6 percent is then approximately $0.09 \times 1.26 = 0.11$ percent.

Standard errors for year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages and changes in yearly averages. The approximate standard errors of levels, rates and percentage involving year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages and changes in yearly averages may be obtained by using table I in conjunction with the other tables. Standard errors for estimates of change are more closely related to the level of the estimate than to the size of the specific change. Thus to obtain the standard error of an estimate of an average level, rate or percentage, or an estimate of a change in level, rate or percentage it is first necessary to find the appropriate estimate of level. For an estimate of an average level, rate or percentage, find the standard error of this estimate. For an estimate of change in level, rate or percentage, find the standard error of the average of the two estimates affecting the change. Then, after computing the standard error by treating these estimates as monthly estimates and using the procedures above, multiply this result by a suitable factor from table I to obtain the approximate standard error for the average or change.

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

Table B. Standard errors of unemployment rates for major characteristics

Selected categories	Standard error of—		Selected categories	Standard error of—	
	Monthly level	Consecutive month change		Monthly level	Consecutive month change
Total (all civilian workers) . . . . .	.11	.11	OCCUPATION—Continued		
Males, 20 years and over . . . . .	.13	.13	Blue collar workers—Continued		
Females, 20 years and over . . . . .	.17	.18	Operatives, except transport . . . . .	.35	.40
Both sexes, 16-19 years . . . . .	.55	.65	Transport equipment operatives . . . . .	.49	.55
White workers . . . . .	.11	.11	Nonfarm laborers . . . . .	.62	.71
Black (and other) workers . . . . .	.45	.47	Service workers . . . . .	.31	.34
Married men, spouse present . . . . .	.12	.13	Farm workers . . . . .	.55	.62
Married women, spouse present . . . . .	.21	.22			
Full-time workers . . . . .	.11	.12	INDUSTRY		
Part-time workers . . . . .	.32	.40	Nonagricultural private wage and salary workers . . . . .	.12	.13
Unemployed 15 weeks and over . . . . .	.06	.07	Construction . . . . .	.58	.66
OCCUPATION			Manufacturing . . . . .	.22	.24
White-collar workers . . . . .	.12	.13	Durable goods . . . . .	.27	.30
Professional and technical . . . . .	.18	.20	Non-durable goods . . . . .	.36	.40
Managers and administrators, except farm . . . . .	.19	.21	Transportation and public utilities . . . . .	.31	.35
Sales workers . . . . .	.37	.41	Wholesale and retail trade . . . . .	.25	.28
Clerical workers . . . . .	.23	.26	Finance and service industries . . . . .	.17	.19
Blue-collar workers . . . . .	.20	.22	Government workers . . . . .	.21	.23
Craft and kindred workers . . . . .	.27	.30	Agricultural wage and salary workers	1.09	1.24

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

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

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

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

(In thousands)

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

¹ See footnote 1, table C.

² Part-time labor force for unemployment also includes persons

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

Table E. Standard errors of unemployment rates

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

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

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

Table G. Standard errors of estimated percentages and month-to-month change in percentages for labor force data

Monthly base of percentages (In thousands)	Percentage of monthly level									
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	30 or 70	35 or 65	50
50	2.03	2.85	4.44	6.12	7.28	8.15	8.83	9.34	9.72	10.19
100	1.43	2.02	3.14	4.32	5.15	5.77	6.24	6.61	6.88	7.21
500 .....	.64	.90	1.41	1.93	2.30	2.58	2.79	2.95	3.07	3.22
1,000 .....	.45	.64	.99	1.37	1.63	1.82	1.97	2.09	2.17	2.28
2,000 .....	.32	.45	.70	.97	1.15	1.29	1.40	1.48	1.54	1.61
4,000 .....	.23	.32	.50	.68	.81	.91	.99	1.04	1.09	1.14
6,000 .....	.19	.26	.41	.56	.66	.74	.81	.85	.89	.93
10,000 .....	.14	.20	.31	.43	.51	.58	.62	.66	.69	.73
20,000 .....	.10	.14	.22	.31	.36	.41	.44	.47	.49	.51
40,000 .....	.07	.10	.16	.22	.26	.29	.31	.33	.34	.36
60,000 .....	.06	.08	.13	.18	.21	.24	.25	.27	.28	.29
80,000 .....	.05	.07	.11	.15	.18	.20	.22	.23	.24	.25
100,000 .....	.05	.06	.10	.14	.16	.18	.20	.21	.22	.23
160,000 .....	.04	.05	.08	.11	.13	.14	.16	.17	.17	.18

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

Table H. Factors to be used with Table G to compute approximate standard errors for percentages and month-to-month changes in percentages

Type of characteristic	Factor		Type of characteristic	Factor	
	Monthly level	Month-to-month change		Monthly level	Month-to-month change
Agricultural employment:			Unemployment:		
Total or full-time labor force ...	1.26	1.05	Part-time labor force, duration of unemployment, left last job, reentering labor force	1.01	1.21
Part-time labor force	1.26	1.50	All other unemployment characteristics:		
Labor force data other than agricultural employment data and unemployment data:			Total or white:		
Total	1.00	.74	Total .....	.97	1.08
Males only .....	.93	.84	Both sexes, 16-19 years .....	.97	1.21
Females only .....	.86	.75	Black and other:		
Both sexes, 16-19 years	1.00	1.18	Total	1.04	1.13
Part-time labor force	1.00	1.18	Both sexes, 16-19 years	1.04	1.24

Table I. Factors to be used with Tables C, E, G, H to compute the approximate standard errors of level, rates and percentages for year-to-year change of monthly estimates, quarterly averages, change in quarterly averages, yearly averages and change in yearly averages

Type of characteristic	Factors				
	Year-to-year change of monthly estimate	Quarterly averages	Change in quarterly averages	Yearly averages	Change in yearly averages
Agricultural employment:					
Total or male	1.30	.89	.80	.72	.70
Female or teenagers (16-19 years).....	1.30	.83	.80	.58	.70
Part time	1.40	.74	.80	.46	.70
Labor force data other than agricultural employment data and unemployment data:					
Total or white	1.30	.88	.88	.67	.70
Black and other or teenagers (16-19 years).....	1.30	.82	.88	.57	.70
Part time	1.40	.74	.88	.46	.60
Unemployment:					
Total	1.40	.76	.88	.50	.65
Part time	1.40	.69	.88	.39	.54

Establishment data

(B, C, and D tables)

COLLECTION

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

Federal-State cooperation

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

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

Shuttle schedules

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

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

CONCEPTS

Industrial classification

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

All data on employment, hours, earnings, and labor turnover for the Nation and for most States and areas are classified in accordance with the 1972 *Standard Industrial Classification Manual* (SICM), Office of Management and Budget.

Industry employment

Employment data, except those for the Federal Government, refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the calendar month. Intermittent workers are counted if they performed any service during the month.

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

Persons on establishment payrolls who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during a part of the pay period even though they are unemployed or on strike during the rest of the period are counted as employed. Not counted as employed are persons who are laid off, on leave without pay, or on strike for the entire period or who are hired but have not been paid during the period.

Industry hours and earnings

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

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

Construction workers include the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices, laborers, etc., whether working at the site of construction or in shops or yards, at jobs (such as pre-cutting and preassembling) ordinarily performed by members of the construction trades.

Nonsupervisory employees include employees (not above the working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, physicians, lawyers, accountants, nurses, social workers, research aides, teachers, drafters, photographers, beauticians, musicians, restaurant workers, custodial workers, attendants, line installers and repairers, laborers, janitors, guards, and other employees at similar occupational levels whose services are closely associated with those of the employees listed.

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

Hours cover the hours paid for, during the pay period which

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

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

Gross average hourly and weekly earnings. Average hourly earnings are on a "gross" basis. They reflect not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. They also reflect shifts in the number of employees between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

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

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

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

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

Average overtime hours. The overtime hours represent that portion of the gross average weekly hours which exceeded regular hours and for which overtime premiums were paid. If an employee were to work on a paid holiday at regular rates, receiving as total compensation his holiday pay plus straight-time pay for hours worked that day, no overtime hours would be reported.

Since overtime hours are premium hours by definition, gross weekly hours and overtime hours do not necessarily move in the same direction from month-to-month; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends at the

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

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

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

Railroads hours and earnings. The figures for class 1 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 1) who received pay during the month. Gross average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

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

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

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

"Real" earnings or earnings in constant dollars, are computed by dividing the earnings averages for the current month by the Consumer Price Index for Urban Wage Earners and Clerical

Workers (CPI-W), and then multiplying by 100. "Real" earnings for months prior to January 1978 are deflated by the unrevised CPI-W, whereas those for January 1978 forward are deflated by the revised CPI-W. This is done for gross average weekly earnings and for spendable average weekly earnings. The level of earnings is thus adjusted for changes in the purchasing power of the dollar since the base period (1967).

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

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

Indexes of diffusion of changes in number of employees on non-agricultural payrolls. These indexes measure the percent of industries which posted increases in employment over the specified time span. The indexes are calculated from 172 unpublished seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in "Introduction of Diffusion Indexes," in the December 1974 issue of *Employment and Earnings*.

Labor turnover

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

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

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

Recalls are permanent or temporary additions to the employment roll of persons specifically recalled to a job in the same establishment of the company following a period of layoff lasting

more than 7 consecutive days. (The collection of recalls, as a separate item, began January 1976.)

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

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

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

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

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

Relationship of labor turnover to employment series

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

ESTIMATING METHODS

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

The "link relative" technique

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

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

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

See footnotes at end of table.

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

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

¹ The estimates result from multiplying the product shown by business birth adjustment factors to compensate for the under representation of newly formed enterprises in the sample.

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

pensate for changes in the sample arising mainly from the voluntary character of the reporting. The wedging procedure accepts the advantage of continuity from the use of the matched sample, and at the same time, tapers or wedges the estimate toward the level of the latest sample average.

computing industry statistics on employment, hours, earnings, and labor turnover.

Size and regional stratification

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

Benchmark adjustments

Employment estimates are compared periodically with comprehensive counts of employment which provide "benchmarks" for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1977 levels. Normally, benchmark adjustments are made annually.

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

The estimates for the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates between benchmark periods are adjusted at levels between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions made at the time of the March 1977 benchmark adjustment is shown in table K.

Table K. Comparison of nonagricultural employment benchmarks based on 1972 SIC and estimates based on 1967 SIC for 1977

Industry division	Benchmark (1972 SIC) March 1977	Estimate (1967 SIC) March 1977	Percent difference
Total	80,493	80,547	-0.1
Mining	805	827	-2.7
Construction	3,430	3,451	-.6
Manufacturing	19,253	19,183	.4
Transportation and public utilities	4,603	4,522	1.8
Wholesale and retail trade	17,891	17,799	.5
Finance, insurance, and real estate	4,377	4,422	-1.0
Services	14,935	15,028	-.6
Government	15,199	15,315	-.8

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

THE SAMPLE

Design

The sampling plan used in the current employment statistics program is known as "sampling proportionate to average size of

establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percentage of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to design samples for these industries with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuations from regular cyclical or seasonal patterns than do establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

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

Coverage

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

Reliability of the employment estimates

Although the relatively large size of the BLS establishment sample assures a high degree of accuracy, the estimates derived from it may differ from the figures that would be obtained if it were possible to take a complete census using the same schedules and procedures. As discussed under the previous section, a "link relative" technique is used to estimate employment. This requires the use of the previous month's estimate as the base in computing the current month's estimate. Thus, small sampling and response errors may cumulate over several months. To remove this accumulated error, the estimates are usually adjusted annually to new benchmarks. In addition to taking account of sampling and response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Table N presents the average percent revisions (based on the 1967 SIC) of the

Table L. Approximate size and coverage of BLS employment and payrolls sample, March 1977¹

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	164,300	32,152,000	40
Mining	2,100	313,000	39
Construction	16,300	686,000	20
Manufacturing	47,100	11,166,000	58
Transportation and public utilities:			
Railroad transportation (ICC)	77	508,000	95
Other transportation and public utilities ..	7,400	2,208,000	53
Wholesale and retail trade	40,600	3,242,000	18
Finance, insurance, and real estate	10,600	1,583,000	36
Services	24,300	2,896,000	19
Government:			
Federal (Civil Service Commission) ²	3,700	2,714,000	100
State and local	12,100	6,836,000	55

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 3,700 reports covering about 55 percent of employment in Federal establishments.

Table M. Approximate size and coverage of BLS labor turnover sample, March 1977

Industry	Employees	
	Number reported	Percent of total
Total	10,070,140	49
Manufacturing	9,233,370	48
Mining	136,810	41
Telephone communication, ...	699,960	72

six most recent benchmarks (excluding the March 1973 adjustment) for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

The hours and earnings estimates for cells are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. The hours and earnings estimates, however, are subject to sampling errors which may be expressed as relative errors of the estimates. (A relative error is a standard error expressed as a percent of the estimate.) Relative errors (based on the 1967 SIC) for major industries are presented in table N and for individual industries with the specified number of employees in table O. The chances are about 2 out of 3 that the hours and earnings estimates from the sample would differ by a smaller percentage than the relative error

from the averages that would have been obtained from a complete census.

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

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

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

Approximations of the root-mean-square errors (based on the experience of the last 6 years and the 1967 SIC) of differences between final estimates and benchmarks are presented in table O.

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 P presents root-mean-square errors of the amounts of revisions that may be expected between the preliminary and final levels of employment and preliminary and final month-to-month changes. Revisions of preliminary hours and earnings estimates are

Table N. Average benchmark percent revision in employment estimates and relative errors for average weekly hours and average hourly earnings by industry division¹

[In percent]

Industry division	Average benchmark revision in estimates of employment ²	Relative errors ³ (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
Contract construction	1.2	.2	.3
Manufacturing	.3	.1	.1
Durable	.4	.1	.1
Nondurable goods	.3	.1	.1
Transportation and public utilities	.4	.7	.4
Trade	.3	.1	.2
Wholesale	1.0	.2	.3
Retail	.2	.2	.2
Finance, insurance, and real estate	.4	.2	.4
Services	.6	.4	.8
Government ⁴	.6	—	—

¹ Based on 1967 SIC.

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

³ Relative errors relate to March 1971 data.

⁴ Estimates for government are based on a total count for Federal Government and samples for State and local government benchmarked to a quinquennial census of government conducted by the Bureau of the Census.

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

Table O. Root-mean-square errors of differences between benchmarks and estimates of employment and average relative errors for average weekly hours and average hourly earnings¹

Size of employment estimate	Root-mean-square error of employment estimates ²	Relative errors ³ (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 Based on 1967 SIC.

² Assuming 12-month intervals between benchmark revisions.

³ Relative errors relate to March 1971 data.

Table P. Errors of preliminary employment estimates¹

Size of employment estimate	Root-mean-square error of	
	Monthly level	Month-to-month change
50,000	600	600
100,000	800	700
200,000	1,400	1,200
500,000	3,300	3,200
1,000,000	4,200	4,200
2,000,000	6,500	6,300
10,000,000	27,000	23,000
Total nonagricultural employment	94,000	81,000
Mining	6,000	5,000
Contract construction	17,000	15,000
Manufacturing	35,000	33,000
Transportation and public utilities	14,000	12,000
Wholesale and retail trade	33,000	31,000
Finance, insurance, and real estate	6,000	6,000
Services	27,000	22,000
Government	45,000	39,000

¹ Based on 1967 SIC.

STATISTICS FOR STATES AND AREAS

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

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

PRODUCTIVITY DATA

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

Definition

Hours of wage and salary workers in nonagricultural establishments refer to hours paid for all employees—production workers, nonsupervisory workers, and salaried workers.

Output is the constant dollar market value of final goods and services produced in a given period. Indexes of *output per hour* of labor input, or labor productivity, measure changes in the volume of goods and services produced per unit of labor.

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

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

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

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

Notes on the data

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

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

State and area unemployment data

(E table)

FEDERAL-STATE COOPERATIVE PROGRAM

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

ESTIMATING METHODS

Labor force and unemployment in 10 large States: New York, California, Illinois, Ohio, New Jersey, Pennsylvania, Michigan, Texas, Massachusetts, and Florida; and two areas: Los Angeles-Long Beach metropolitan area and New York City, are sufficiently

reliable to be used directly from the CPS. For a description of the CPS concepts see "Explanatory note A, Household Data," above.

Monthly employment and unemployment estimates in the remaining 40 States and 205 labor market areas are prepared in several stages.

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

adjusting teenage unemployment and those few other unemployment series (e.g., unemployed new entrants) of which teenagers are the exclusive or major part. In January 1978, modifications were introduced in the procedure for seasonally adjusting teenage nonagricultural employment, a number of other teenage employment series, and adult male unemployment.

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

Revised seasonally adjusted series for major components of the labor force based on data through December 1978, 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 1979 *Employment and Earnings*. Many additional series, which are either components or aggregates of the series presented, are available from the BLS upon request.

For establishment data, seasonally adjusted series for all employees, women employees, production workers, hours, and earnings, are computed using the *BLS Seasonal Factor Method*. Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly

earnings and seasonally adjusted weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted revised Consumer Price Index for Urban Wage Earners and Clerical Workers (revised CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, and dividing by the 1967 base. For total private, total goods-producing, total private service-producing, trade, manufacturing, and durable and nondurable goods industries, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1967 base.

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

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

The revised seasonally adjusted series for the establishment data reflect experience through May 1978. Seasonal factors to be used for current adjustment appear in the October 1978 issue of *Employment and Earnings*.

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

2. Preliminary estimate-Unemployment: In the current month, the estimate of unemployment is an aggregate of the estimates for each of three building block categories: (1) Persons who were previously employed in industries covered by State UI laws; (2) those previously employed in industries not covered by these laws; and (3) those who were either entering the labor force of the first time or reentering after a period of separation. This is referred to below, as the UI-based estimate.

An estimate for those previously employed in covered industries is derived from a count of current unemployment insurance claimants, plus estimates of claimants whose benefits have been exhausted, those persons disqualified from receiving benefits for nonmonetary reasons (because they quit, were discharged for cause, etc., but would otherwise have been eligible), and persons who either filed claims late, or not at all.

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

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

$U=A(X+E) + BX$, Where

U=total entrant unemployment

E=total employment

X=total experienced unemployment

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

3. Correction factors for employment and unemployment are then applied at the State level to the UI-based estimates obtained above for each of the 40 States and the District of Columbia. These correction factors are based on the ratio of the CPS to the UI-based estimates for the six month period ending in the current month (e.g. a 6-month moving average).

4. Substate adjustment for additivity. Independent estimates of employment and unemployment are prepared both for the State (obtained directly from the CPS in the 10 large States or by the UI-based method in the remaining States), and labor market areas (LMA's) within the State. The total labor force included in the LMA's exhaust the geographic boundaries of the State. A proportional adjustment is applied to all substate LMA estimates to ensure that the substate estimates of employment and unemployment add to the independent State totals. In California and New York, which also have substate areas taken directly from the CPS, the additivity adjustment for the remaining areas is applied to the State total minus the direct CPS area.

5. Benchmark correction procedures. Once each year monthly estimates prepared by State employment security agencies using UI-based estimating procedures are adjusted, or benchmarked, by BLS to the annual average CPS estimates for the 40 States for which monthly CPS estimates are not available. This adjustment is necessary because the State-prepared estimates are not as reliable as the CPS annual averages due to differences in State UI laws, the structural limitations of the UI-based estimating method, and errors in the UI data.

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

Seasonal adjustment

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

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

Data for the household series are seasonally adjusted utilizing the Census Bureau's X-11 Method. Each January, seasonal adjustment factors for unemployment and other labor force series are revised to take into account data from the previous year. In January 1976, in addition to the routine annual revisions, the Bureau introduced a modification in the procedure for seasonally

U.S. Department of Labor Bureau of Labor Statistics

REGION I - BOSTON John Fitzgerald Kennedy Federal Bldg. Government Center - Room 1603 A Boston, Mass. 02203	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 36130
X ALASKA	-Employment Security Division, Department of Labor, P.O. Box 3-7000, Juneau 99802
IX ARIZONA	-Department of Economic Security, P.O. Box 6123, Phoenix 85005
VI ARKANSAS	-Employment Security Division, Department of Labor, P.O. Box 2981, Little Rock 72203
IX CALIFORNIA	-Employment Development Department, P.O. Box 1679, Sacramento 95808 (LAUS and CES).
VIII COLORADO	-Management Services, Department of Labor and Employment, 1210 Sherman Street, Denver 80203
I CONNECTICUT	-Employment Security Division, Labor Department, 200 Folly Brook Boulevard, Wethersfield 06109
III DELAWARE	-Department of Labor, University Plaza Office Complex, Bldg. D, Chapman Rd., Route 273, Newark 19713
III DIST. OF COL.	-Office of Administration and Management Service, D.C. Department of Manpower, Suite 1000, 605 G Street, N. W., Washington 20001
IV FLORIDA	-Department of Commerce, Caldwell Building, Tallahassee 32304
IV GEORGIA	-Department of Labor, 254 Washington Street, S.W., Atlanta 30334
IX HAWAII	-Department of Labor and Industrial Relations, P.O. Box 3680, Honolulu 96811
X IDAHO	-Department of Employment, P.O. Box 35, Boise 83707
V ILLINOIS	-Bureau of Employment Security, 910 South Michigan Street, Chicago 60605
V INDIANA	-Employment Security Division, 10 North Senate Avenue, Indianapolis 46204
VII IOWA	-Department of Job Services, 1000 East Grand Avenue, Des Moines 50319
VII KANSAS	-Division of Employment, Department of Human Resources, 401 Topeka Avenue, Topeka 66603
IV KENTUCKY	-Department of Human Resources, 275 E. Main Street, 2nd Floor West, Frankfort 40601
VI LOUISIANA	-Department of Labor, P.O. Box 44094--Capitol Station, Baton Rouge 70804
I MAINE	-Employment Security Commission, Department of Manpower Affairs, 20 Union Street, Augusta 04330
III MARYLAND	-Department of Human Resources, 1100 North Eutaw Street, Baltimore 21201
I MASSACHUSETTS	-Division of Employment Security, Charles F. Hurley Building, Government Center, Boston 02114
V MICHIGAN	-Employment Security Commission, Department of Labor, 7310 Woodward Avenue, Detroit 48202
V MINNESOTA	-Department of Economic Security, 390 North Robert Street, St. Paul 55101
IV MISSISSIPPI	-Employment Security Commission, P.O. Box 1699, Jackson 39205
VII MISSOURI	-Division of Employment Security, Department of Labor and Industrial Relations, P.O. Box 59, Jefferson City 65101
VIII MONTANA	-Employment Security Division, Department of Labor and Industry, P.O. Box 1728, Helena 59601
VII NEBRASKA	-Division of Employment, Department of Labor, P.O. Box 94600, State House Station, Lincoln 68509
IX NEVADA	-Employment Security Department, P.O. Box 602, Carson City 89713
I NEW HAMPSHIRE	-Department of Employment Security, 32 South Main Street, Concord 03301
II NEW JERSEY	-Department of Labor and Industry, 202 John Fitch Plaza, Trenton 08625
VI NEW MEXICO	-Employment Service Division, Department of Human Services, P. O. Box 1928, Albuquerque 87103
II NEW YORK	-Division of Research and Statistics, N.Y. State Department of Labor, State Campus--Building 12, Albany 12201
IV NORTH CAROLINA	-Employment Security Commission, P.O. Box 25903, Raleigh 27611
VIII NORTH DAKOTA	-Employment Security Bureau, P.O. Box 1537, Bismarck 58505
V OHIO	-Division of Research and Statistics, Bureau of Employment Services, 145 S. Front St., Columbus 43216
VI OKLAHOMA	-Employment Security Commission, 301 Will Rogers Memorial Office Building, Oklahoma City 73105
X OREGON	-Employment Division, Department of Human Resources, Room 402, 875 Union Street, N.E., Salem 97310
III PENNSYLVANIA	-Department of Labor and Industry, Seventh and Forster Streets, Harrisburg 17121
I RHODE ISLAND	-Division of Statistics and Census, Department of Labor, 220 Elmwood Avenue, Providence 02907 (CES). Department of Employment Security, 24 Mason Street, Providence 02903 (LAUS and LTS)
IV SOUTH CAROLINA	-Employment Security Commission, P.O. Box 995, Columbia 29202
VIII SOUTH DAKOTA	-Department of Labor, P.O. Box 1730, Aberdeen 57401
IV TENNESSEE	-Department of Employment Security, Room 519, Cordell Hull Office Building, Nashville 37219
VI TEXAS	-Employment Commission, TEC Building, 15th and Congress Avenue, Austin 78778
VIII UTAH	-Department of Employment Security, P.O. Box 11249, Salt Lake City 84147
I VERMONT	-Department of Employment Security, P.O. Box 488, Montpelier 05602
III VIRGINIA	-Division of Research and Statistics, Department of Labor and Industry, P.O. Box 12064, Richmond 23241 (CES). Employment Commission, P.O. Box 1358, Richmond 23211 (LAUS and LTS)
X WASHINGTON	-Employment Security Department, 1007 South Washington Street, Olympia 98501
III WEST VIRGINIA	-Department of Employment Security, State Office Building, 112 California Avenue, Charleston 25305
V WISCONSIN	-Department of Industry, Labor, and Human Relations, P.O. Box 7944, Madison 53707
VIII WYOMING	-Employment Security Commission, P.O. Box 2760, Casper 82601