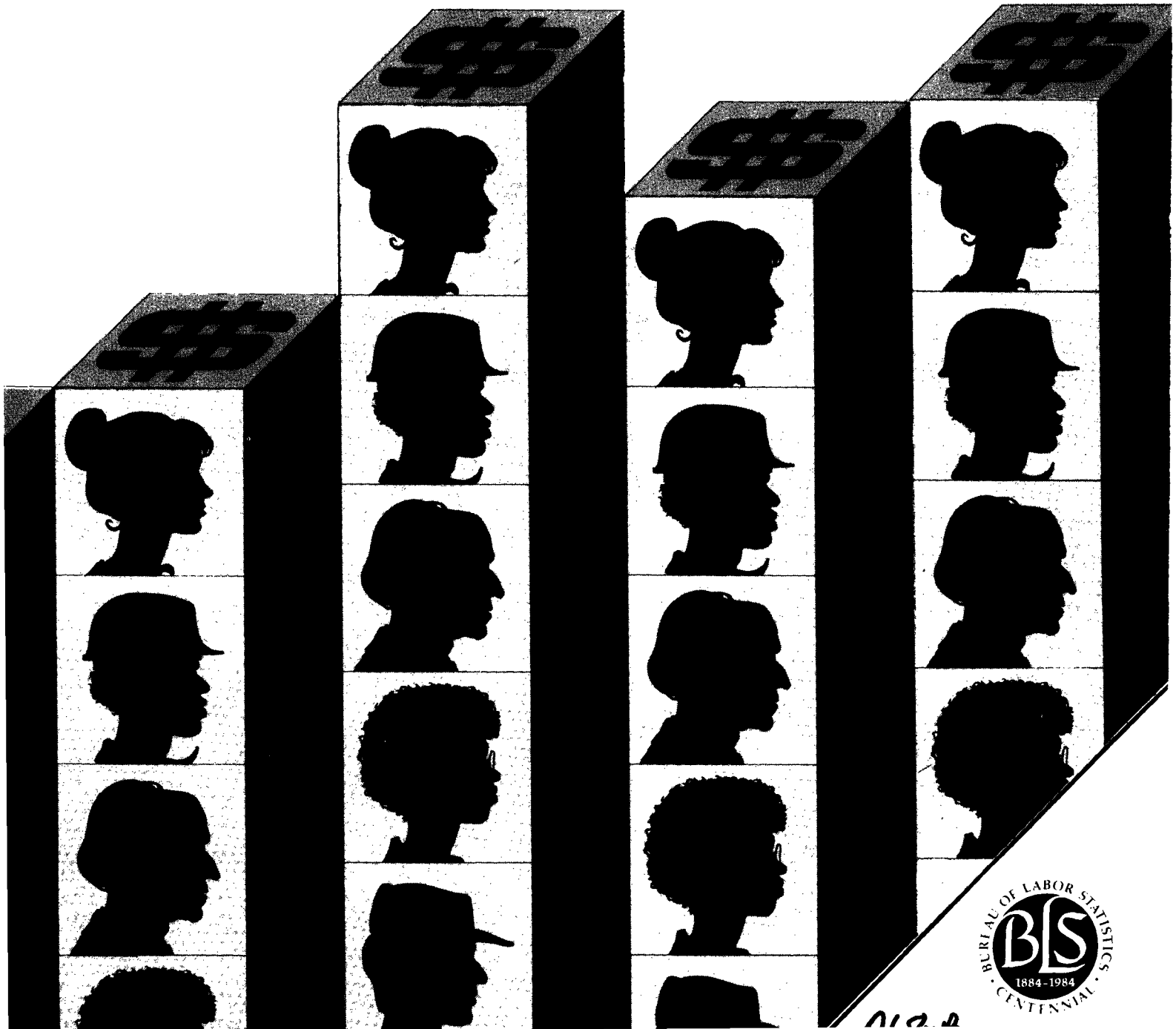




EMPLOYMENT AND EARNINGS

December 1984

U.S. Department of Labor
Bureau of Labor Statistics





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

BUREAU OF LABOR STATISTICS
Janet L. Norwood, Commissioner

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

Employment and Earnings may be ordered through the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Subscription price per year \$31 domestic and \$38.75 foreign. Single copy \$4.50 domestic and \$5.63 foreign. Annual supplement \$8 domestic and \$10 foreign. Prices are subject to change by the U.S. Government Printing Office. For ordering information call (202) 783-3238.

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

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

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

ISSN 0013-6840

Calendar of Features

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

Household data

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

Establishment data

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

State and area labor force data

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

¹ Issue varies. Latest revised data introduced June 1984.

² Month of publication varies. The latest supplement was published in July 1984.

Employment and Earnings

Vol. 31 No. 12 December 1984

Editors: Gloria Peterson Green, Rosalie K. Epstein

Contents

	<i>Page</i>
List of statistical tables	2
Employment and unemployment developments, November 1984	4
Statistical tables:	
Not seasonally adjusted—	
Household data	9
Establishment data:	
Employment	44
Hours and earnings	79
State and area labor force data	110
Seasonally adjusted—	
Household data	35
Establishment data:	
Employment	56
Hours and earnings	99
Productivity data	107
Explanatory notes	116

MONTHLY HOUSEHOLD DATA

Page

Employment Status

A- 1.	Employment status of the noninstitutional population 16 years and over, 1951 to date	6
A- 2.	Employment status of the noninstitutional population 16 years and over by sex, 1973 to date	7
A- 3.	Employment status of the civilian noninstitutional population 16 years and over, 1951, to date	8
A- 4.	Employment status of the civilian noninstitutional population by age, sex, and race	9
A- 5.	Employment status of the black-and-other civilian noninstitutional population by sex and age	12
A- 6.	Employment status of the civilian noninstitutional population by race, sex, and age	13
A- 7.	Employment status of the civilian noninstitutional population 16 to 21 years of age by major activity, sex, and race	14
A- 8.	Employment status of male Vietnam-era veterans and nonveterans by age	15
A- 9.	Full-and part-time status of the civilian labor force by sex, age, and race	16
A-10.	Employment status of persons in families by family relationship	17

Characteristics of the Unemployed

A-11.	Unemployed persons by marital status, race, age, and sex	18
A-12.	Unemployed persons by occupation and sex	19
A-13.	Unemployed persons by industry and sex	20
A-14.	Unemployed persons by reason for unemployment, sex, and race	21
A-15.	Unemployed persons by reason for unemployment, sex, age, and duration of unemployment	22
A-16.	Unemployed persons by duration of unemployment	22
A-17.	Unemployed persons by sex, age, marital status, and duration of unemployment	23
A-18.	Unemployed persons by occupation, industry, and duration of unemployment	24
A-19.	Unemployed jobseekers by sex, age, race, and jobsearch methods used	25
A-20.	Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used	25

Characteristics of the Employed

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

Seasonally Adjusted Employment and Unemployment Data

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

MONTHLY ESTABLISHMENT DATA

Page

Employment—National

B- 1.	Employees on nonagricultural payrolls by major industry, 1933 to date	43
B- 2.	Employees on nonagricultural payrolls by detailed industry	44
B- 3.	Women employees on nonagricultural payrolls by major industry and manufacturing group	55
B- 4.	Employees on nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted	56
B- 5.	Women employees on nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted	57
B- 6.	Production or nonsupervisory workers on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted	58
B- 7.	Indexes of diffusion: Percent of industries in which employment increased, seasonally adjusted	59

Employment—States and Areas

B- 8.	Employees on nonagricultural payrolls in States and selected areas by major industry	60
-------	--	----

Hours and Earnings—National

C- 1.	Average hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls by major industry, 1963 to date	79
C- 2.	Average hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls by detailed industry	82
C- 3.	Average hourly earnings, excluding overtime of production workers on manufacturing payrolls	98
C- 4.	Average hourly and weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls by major industry, in current and constant (1977) dollars	98
C- 5.	Average weekly hours of production or nonsupervisory workers on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted	99
C- 6.	Indexes of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted	100
C- 7.	The Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, seasonally adjusted	101

Hours and Earnings—States and Areas

C- 8.	Average hours and earnings of production workers on manufacturing payrolls in States and selected areas	102
-------	---	-----

PRODUCTIVITY DATA

C- 9.	Hours of wage and salary workers in nonagricultural establishments by major industry, seasonally adjusted	107
C-10.	Indexes of productivity, hourly compensation, unit costs, and prices, seasonally adjusted	108
C-11.	Percent changes from the preceding quarter and year in productivity, hourly compensation, unit costs, and prices, seasonally adjusted annual rates	109

MONTHLY STATE AND AREA LABOR FORCE DATA

D- 1.	Labor force status by State and selected metropolitan areas	110
-------	---	-----

Employment and Unemployment Developments, November 1984

Unemployment declined in November and employment rose. The overall unemployment rate fell from 7.3 to 7.0 percent, and the rate for civilian workers dropped from 7.4 to 7.2 percent. Although both measures had shown little movement in recent months, they were more than a full percentage point below year-earlier levels.

Civilian employment—as measured by the monthly survey of households—rose by nearly 300,000 in November to 105.9 million. The number of non-agricultural payroll jobs—as measured by the monthly survey of establishments—also was up by about 300,000 to 95.5 million. Since the November 1982 recession trough, each employment series has advanced by 6.8 million.

Unemployment

The number of unemployed persons fell by 275,000 in November to a seasonally adjusted level of 8.2 million, and the civilian worker unemployment rate declined two-tenths of a percentage point to 7.2 percent. Since November 1982, the jobless total has declined by 3.7 million, while the unemployment rate has dropped by 3.5 percentage points. (See table A-33.)

The over-the-month improvement was shared by several of the major worker groups. Jobless rates for adult women (6.6 percent) and teenagers (17.5 percent) declined, while that for adult men (6.3 percent) was unchanged. Also, there were reductions for whites (6.1 percent) and Hispanics (10.0 percent) and little change for blacks (15.0 percent). (See tables A-33 and A-34.)

All of the decline in unemployment over the month occurred among those who were jobless for less than 6 months. At 1.4 million, the number of persons jobless for 6 months or more has held at about this level in recent months, after declining markedly between mid-1983 and this past summer. (See table A-40.)

The number of job losers fell by 215,000 from October. Job losers, with a decrease of 1 million over the past year, accounted for the bulk of the total decline in unemployment of 1.3 million. (See table A-41.)

Civilian employment and the labor force

Civilian employment rose by 285,000 in November to 105.9 million, seasonally adjusted. The over-the-month gain occurred primarily among adult women. Civilian

employment was up by 3.2 million over the year—1.8 million adult men and 1.5 million adult women. (See table A-33.)

The civilian labor force was 114.0 million in November, unchanged from October. The proportion of the civilian working-age population in the labor force (the labor force participation rate) was 64.4 percent, also the same as in the previous month. Over the year, the labor force grew by about 2 million, and the participation rate was up by 0.4 percentage point.

Industry payroll employment

Total nonagricultural payroll employment increased by 300,000 in November to 95.5 million, seasonally adjusted. As in recent months, growth was concentrated in the service-producing sector. Since July, the number of jobs in this sector has risen by a million, while there has been virtually no growth in the goods-producing industries. Since November 1982, two-thirds of the 6.8-million job gain has occurred in the service sector. (See table B-4.)

The largest November increases were in retail trade (115,000) and services (90,000). In retail trade, strong growth took place in general merchandise stores, while both business and health services contributed to the rise in services. Elsewhere in the service-producing sector, modest gains were recorded in transportation and public utilities; finance, insurance, and real estate; and wholesale trade.

Manufacturing employment was little changed over the month. In fact, at 19.7 million in November, the number of factory jobs was about the same as in July. Over this period, jobs in durable goods have increased, while there has been a decline in nondurable goods.

Construction employment increased by 30,000 in November to 4.4 million. This was 620,000 greater than the March 1983 employment low but still 170,000 less than the January 1980 employment peak. In mining, continued gains in oil and gas extraction offset declines elsewhere in the industry.

Weekly hours

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls rose 0.1 hour in November, as did weekly and overtime hours in manufacturing. For the past several months,

the overall and manufacturing workweeks have been fluctuating around the November levels of 35.2 and 40.5 hours, respectively. (See table C-5.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls rose by 0.7 percent in November to 114.0 (1977 = 100). The index was up about 5 percent over the year and more than 11 percent from the November 1982 level. The manufacturing index was up 0.3 percent in November to 96.0. (See table C-6.)

Hourly and weekly earnings

Average hourly earnings rose 0.6 percent in November, and weekly earnings were up 0.9 percent, seasonally adjusted. Prior to seasonal adjustment, average hourly earnings increased 3 cents to \$8.44, and

average weekly earnings were up 21 cents to \$296.24. Over the past year, hourly earnings rose 28 cents and weekly earnings \$9.82. (See tables C-1 and C-7.)

The Hourly Earnings Index

The Hourly Earnings Index (HEI) was 162.1 (1977 = 100) in November, seasonally adjusted, an increase of 0.4 percent from October. For the 12 months ended in November, the increase (before seasonal adjustment) was 3.1 percent. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in overtime in manufacturing and interindustry employment shifts. In dollars of constant purchasing power, the HEI decreased 0.8 percent during the 12-month period ended in October. (See table C-7.)

Next month, with the issuance of data for December, this publication will incorporate annual revisions in seasonally adjusted unemployment and other labor force series. Seasonally adjusted data for the most recent 5 years are subject to revision.

**HOUSEHOLD DATA
HISTORICAL**

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

(Numbers in thousands)

Year and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
Annual averages												
1951	106,764	64,160	60.1	62,104	2,143	59,961	6,726	53,235	2,055	3.2	42,604	
1952	107,617	64,524	60.0	62,636	2,386	60,250	6,500	53,749	1,883	2.9	43,093	
1953 ¹	109,287	65,246	59.7	63,410	2,231	61,179	6,260	54,919	1,834	2.8	44,041	
1954	110,463	65,785	59.6	62,251	2,142	60,109	6,205	53,904	3,532	5.4	44,678	
1955	111,747	67,087	60.0	64,234	2,064	62,170	6,450	55,722	2,852	4.3	44,660	
1956	112,919	68,517	60.7	65,764	1,965	63,799	6,283	57,514	2,750	4.0	44,402	
1957	114,213	68,877	60.3	66,019	1,948	64,071	5,947	58,123	2,859	4.2	45,336	
1958	115,574	69,486	60.1	64,883	1,847	63,036	5,586	57,450	4,602	6.6	46,088	
1959	117,117	70,157	59.9	66,418	1,788	64,630	5,565	59,065	3,740	5.3	46,960	
1960 ¹	119,106	71,489	60.0	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617	
1961	120,671	72,359	60.0	67,646	1,900	65,746	5,200	60,546	4,714	6.5	48,312	
1962 ¹	122,214	72,675	59.5	68,763	2,061	66,702	4,944	61,759	3,911	5.4	49,539	
1963	124,422	73,839	59.3	69,768	2,006	67,762	4,687	63,076	4,070	5.5	50,583	
1964	126,503	75,109	59.4	71,323	2,018	69,305	4,523	64,782	3,786	5.0	51,394	
1965	128,459	76,401	59.5	73,034	1,946	71,088	4,361	66,726	3,366	4.4	52,058	
1966	130,180	77,892	59.8	75,017	2,122	72,895	3,979	68,915	2,875	3.7	52,288	
1967	132,092	79,565	60.2	76,590	2,218	74,372	3,844	70,527	2,975	3.7	52,527	
1968	134,281	80,990	60.3	78,173	2,253	75,920	3,817	72,103	2,817	3.5	53,291	
1969	136,573	82,972	60.8	80,140	2,238	77,902	3,606	74,296	2,832	3.4	53,602	
1970	139,203	84,889	61.0	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315	
1971	142,189	86,355	60.7	81,340	1,973	79,367	3,394	75,972	5,016	5.8	55,834	
1972 ¹	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091	
1973 ¹	148,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,667	
1974	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171	
1975	154,831	95,453	61.6	87,524	1,678	85,846	3,408	82,438	7,929	8.3	59,377	
1976	157,818	97,826	62.0	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991	
1977	160,689	100,665	62.6	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025	
1978 ¹	163,541	103,882	63.5	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659	
1979	166,460	106,559	64.0	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900	
1980	169,349	108,544	64.1	100,907	1,604	99,303	3,364	95,938	7,637	7.0	60,806	
1981	171,775	110,315	64.2	102,042	1,645	100,397	3,368	97,030	8,273	7.5	61,460	
1982	173,939	111,872	64.3	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067	
1983	175,891	113,226	64.4	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,665	
Monthly data, seasonally adjusted²												
1983:												
November	176,636	113,720	64.4	104,291	1,685	102,606	3,257	99,349	9,429	8.3	62,916	
December	176,809	113,824	64.4	104,629	1,688	102,941	3,356	99,585	9,195	8.1	62,985	
1984:												
January	177,219	113,901	64.3	104,876	1,686	103,190	3,271	99,918	9,026	7.9	63,318	
February	177,363	114,377	64.5	105,576	1,684	103,892	3,395	100,496	8,801	7.7	62,986	
March	177,510	114,598	64.6	105,826	1,686	104,140	3,281	100,859	8,772	7.7	62,912	
April	177,662	114,938	64.7	106,095	1,693	104,402	3,393	101,009	8,843	7.7	62,724	
May	177,813	115,493	65.0	106,978	1,690	105,288	3,389	101,899	8,514	7.4	62,320	
June	177,974	115,567	64.9	107,438	1,690	105,748	3,403	102,344	8,130	7.0	62,407	
July	178,138	115,636	64.9	107,093	1,698	105,395	3,345	102,050	8,543	7.4	62,503	
August	178,295	115,206	64.6	106,681	1,712	104,969	3,224	101,744	8,526	7.4	63,089	
September	178,483	115,419	64.7	106,959	1,720	105,239	3,315	101,923	8,460	7.3	63,064	
October	178,661	115,722	64.8	107,291	1,705	105,586	3,114	102,472	8,431	7.3	62,939	
November	178,834	115,725	64.7	107,571	1,699	105,872	3,353	102,519	8,154	7.0	63,109	

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

² The population and Armed Forces figures are not adjusted for seasonal variation.

NOTE: Revisions of seasonally adjusted monthly and quarterly data (shown in tables A-1 through A-3 and A-32 through A-53 of this publication) for the most recent 5-year period are made at the beginning of each calendar year.

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

(Numbers in thousands)

Sex, year, and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
Annual averages												
MEN												
1973 ¹	71,017	56,349	79.3	54,074	1,725	52,349	2,847	49,502	2,275	4.0	14,667	
1974	72,466	57,397	79.2	54,682	1,658	53,024	2,919	50,105	2,714	4.7	15,069	
1975	73,891	57,899	78.4	53,457	1,600	51,857	2,824	49,032	4,442	7.7	15,993	
1976	75,341	58,756	78.0	54,720	1,582	53,138	2,744	50,394	4,036	6.9	16,585	
1977	76,756	59,959	78.1	56,291	1,563	54,728	2,671	52,057	3,667	6.1	16,797	
1978 ¹	78,107	61,151	78.3	58,010	1,531	56,479	2,718	53,761	3,142	5.1	16,956	
1979	79,509	62,215	78.2	59,096	1,489	57,607	2,686	54,921	3,120	5.0	17,293	
1980	80,877	62,932	77.8	58,665	1,479	57,186	2,709	54,477	4,267	6.8	17,945	
1981	82,023	63,486	77.4	58,909	1,512	57,397	2,700	54,697	4,577	7.2	18,537	
1982	83,052	63,979	77.0	57,800	1,529	56,271	2,736	53,534	6,179	9.7	19,073	
1983	84,064	64,580	76.8	58,320	1,533	56,787	2,704	54,083	6,260	9.7	19,484	
Monthly data, seasonally adjusted²												
1983:												
November	84,423	64,846	76.8	59,389	1,534	57,855	2,575	55,280	5,457	8.4	19,577	
December	84,506	64,838	76.7	59,580	1,537	58,043	2,650	55,393	5,258	8.1	19,668	
1984:												
January	84,745	64,930	76.6	59,781	1,542	58,239	2,605	55,635	5,149	7.9	19,815	
February	84,811	65,093	76.8	60,147	1,540	58,607	2,697	55,910	4,946	7.6	19,718	
March	84,880	65,156	76.8	60,290	1,542	58,748	2,636	56,112	4,867	7.5	19,724	
April	84,953	65,212	76.8	60,293	1,548	58,745	2,720	56,026	4,919	7.5	19,741	
May	85,024	65,307	76.8	60,629	1,545	59,084	2,723	56,361	4,678	7.2	19,717	
June	85,101	65,452	76.9	60,923	1,545	59,378	2,710	56,668	4,529	6.9	19,649	
July	85,179	65,362	76.7	60,607	1,551	59,056	2,705	56,351	4,756	7.3	19,817	
August	85,257	65,244	76.5	60,661	1,563	59,098	2,607	56,490	4,583	7.0	20,013	
September	85,352	65,614	76.9	60,912	1,571	59,341	2,661	56,681	4,702	7.2	19,738	
October	85,439	65,603	76.8	61,023	1,557	59,466	2,516	56,951	4,580	7.0	19,836	
November	85,523	65,667	76.8	61,158	1,552	59,606	2,723	56,884	4,509	6.9	19,856	
Annual averages												
WOMEN												
1973 ¹	77,853	34,853	44.8	32,764	49	32,715	622	32,093	2,089	6.0	43,000	
1974	79,375	36,274	45.7	33,832	63	33,769	596	33,173	2,441	6.7	43,101	
1975	80,938	37,553	46.4	34,067	78	33,989	584	33,404	3,486	9.3	43,386	
1976	82,476	39,069	47.4	35,701	86	35,615	588	35,027	3,369	8.6	43,406	
1977	83,932	40,705	48.5	37,381	92	37,289	612	36,677	3,324	8.2	43,227	
1978 ¹	85,434	42,731	50.0	39,669	100	39,569	669	38,900	3,061	7.2	42,703	
1979	86,951	44,343	51.0	41,325	108	41,217	661	40,556	3,018	6.8	42,608	
1980	88,472	45,611	51.6	42,241	124	42,117	656	41,461	3,370	7.4	42,861	
1981	89,751	46,829	52.2	43,133	133	43,000	667	42,333	3,696	7.9	42,922	
1982	90,887	47,894	52.7	43,395	139	43,256	665	42,591	4,499	9.4	42,993	
1983	91,827	48,646	53.0	44,190	143	44,047	680	43,367	4,457	9.2	43,181	
Monthly data, seasonally adjusted²												
1983:												
November	92,214	48,874	53.0	44,902	151	44,751	682	44,069	3,972	8.1	43,340	
December	92,302	48,986	53.1	45,049	151	44,898	706	44,192	3,937	8.0	43,316	
1984:												
January	92,474	48,971	53.0	45,094	144	44,950	667	44,284	3,876	7.9	43,503	
February	92,552	49,283	53.2	45,429	144	45,285	698	44,587	3,855	7.8	43,269	
March	92,630	49,442	53.4	45,536	144	45,392	646	44,747	3,905	7.9	43,188	
April	92,709	49,725	53.6	45,802	145	45,657	673	44,983	3,924	7.9	42,984	
May	92,789	50,186	54.1	46,350	145	46,205	666	45,538	3,836	7.6	42,603	
June	92,873	50,115	54.0	46,515	145	46,370	693	45,676	3,600	7.2	42,758	
July	92,958	50,273	54.1	46,486	147	46,339	641	45,699	3,787	7.5	42,685	
August	93,039	49,963	53.7	46,020	149	45,871	617	45,254	3,943	7.9	43,076	
September	93,132	49,804	53.5	46,047	149	45,898	655	45,243	3,758	7.5	43,328	
October	93,222	50,119	53.6	46,268	148	46,120	598	45,521	3,852	7.7	43,103	
November	93,311	50,057	53.6	46,413	147	46,266	630	45,635	3,645	7.3	43,254	

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

² The population and Armed Forces figures are not adjusted for seasonal variation.

**HOUSEHOLD DATA
HISTORICAL**

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

(Numbers in thousands)

Year and month	Civilian noninstitutional population	Civilian labor force				Unemployment rates		
		Total	Percent of population	Employed	Unemployed	Total	Men	Women
Annual averages								
1951	104,621	62,017	59.2	59,961	2,055	3.3	2.8	4.4
1952	105,231	62,138	59.0	60,250	1,883	3.0	2.8	3.6
1953 ¹	107,056	63,015	58.9	61,179	1,834	2.9	2.8	3.3
1954	108,321	63,643	58.8	60,109	3,532	5.5	5.3	6.0
1955	109,683	65,023	59.3	62,170	2,852	4.4	4.2	4.9
1956	110,954	66,552	60.0	63,799	2,750	4.1	3.8	4.8
1957	112,265	66,929	59.6	64,071	2,859	4.3	4.1	4.7
1958	113,727	67,639	59.5	63,036	4,602	6.8	6.8	6.8
1959	115,329	68,369	59.3	64,630	3,740	5.5	5.2	5.9
1960 ¹	117,245	69,628	59.4	65,778	3,852	5.5	5.4	5.9
1961	118,771	70,459	59.3	65,746	4,714	6.7	6.4	7.2
1962 ¹	120,153	70,614	58.8	66,702	3,911	5.5	5.2	6.2
1963	122,416	71,833	58.7	67,762	4,070	5.7	5.2	6.5
1964	124,485	73,091	58.7	69,305	3,786	5.2	4.6	6.2
1965	126,513	74,455	58.9	71,088	3,366	4.5	4.0	5.5
1966	128,058	75,770	59.2	72,895	2,875	3.8	3.2	4.8
1967	129,874	77,347	59.6	74,372	2,975	3.8	3.1	5.2
1968	132,028	78,737	59.6	75,920	2,817	3.6	2.9	4.8
1969	134,335	80,734	60.1	77,902	2,832	3.5	2.8	4.7
1970	137,085	82,771	60.4	78,678	4,093	4.9	4.4	5.9
1971	140,216	84,382	60.2	79,367	5,016	5.9	5.3	6.9
1972 ¹	144,126	87,034	60.4	82,153	4,882	5.6	5.0	6.6
1973 ¹	147,096	89,429	60.8	85,064	4,365	4.9	4.2	6.0
1974	150,120	91,949	61.3	86,794	5,156	5.6	4.9	6.7
1975	153,153	93,775	61.2	85,846	7,929	8.5	7.9	9.3
1976	156,150	96,158	61.6	88,752	7,406	7.7	7.1	8.6
1977	159,033	99,009	62.3	92,017	6,991	7.1	6.3	8.2
1978 ¹	161,910	102,251	63.2	96,048	6,202	6.1	5.3	7.2
1979	164,863	104,962	63.7	98,824	6,137	5.8	5.1	6.8
1980	167,745	106,940	63.8	99,303	7,637	7.1	6.9	7.4
1981	170,130	108,670	63.9	100,397	8,273	7.6	7.4	7.9
1982	172,271	110,204	64.0	99,526	10,678	9.7	9.9	9.4
1983	174,215	111,550	64.0	100,834	10,717	9.6	9.9	9.2
Monthly data, seasonally adjusted²								
1983:								
November	174,951	112,035	64.0	102,606	9,429	8.4	8.6	8.2
December	175,121	112,136	64.0	102,941	9,195	8.2	8.3	8.1
1984:								
January	175,533	112,215	63.9	103,190	9,026	8.0	8.1	7.9
February	175,679	112,693	64.1	103,892	8,801	7.8	7.8	7.8
March	175,824	112,912	64.2	104,140	8,772	7.8	7.7	7.9
April	175,969	113,245	64.4	104,402	8,843	7.8	7.7	7.9
May	176,123	113,803	64.6	105,288	8,514	7.5	7.3	7.7
June	176,284	113,877	64.6	105,748	8,130	7.1	7.1	7.2
July	176,440	113,938	64.6	105,395	8,543	7.5	7.5	7.6
August	176,583	113,494	64.3	104,969	8,526	7.5	7.2	7.9
September	176,763	113,699	64.3	105,239	8,460	7.4	7.3	7.6
October	176,956	114,017	64.4	105,586	8,431	7.4	7.2	7.7
November	177,135	114,026	64.4	105,872	8,154	7.2	7.0	7.3

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

Explanatory Notes.
² The population figures are not adjusted for seasonal variation.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	November 1984										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
TOTAL											
16 years and over	177,135	114,115	64.4	106,246	7,869	6.9	63,020	31,297	9,430	2,659	19,635
16 to 19 years	14,575	7,425	50.9	6,088	1,337	18.0	7,151	469	6,199	16	467
16 to 17 years	7,172	2,829	39.4	2,264	565	20.0	4,344	94	4,091	3	156
18 to 19 years	7,403	4,596	62.1	3,824	772	16.8	2,807	375	2,109	12	312
20 to 24 years	20,573	15,999	77.8	14,326	1,674	10.5	4,573	1,760	2,197	49	568
25 to 54 years	93,280	75,764	81.2	71,527	4,237	5.6	17,515	13,057	994	880	2,585
25 to 34 years	40,292	33,117	82.2	30,938	2,180	6.6	7,174	5,282	733	238	922
25 to 29 years	21,024	17,291	82.2	16,014	1,276	7.4	3,733	2,650	500	114	468
30 to 34 years	19,268	15,826	82.1	14,924	903	5.7	3,442	2,631	233	123	454
35 to 44 years	30,731	25,504	83.0	24,267	1,237	4.8	5,228	4,045	206	255	722
35 to 39 years	17,056	14,168	83.1	13,450	718	5.1	2,888	2,271	126	128	367
40 to 44 years	13,676	11,336	82.9	10,818	518	4.6	2,339	1,778	80	127	355
45 to 54 years	22,257	17,143	77.0	16,323	820	4.8	5,114	3,730	55	387	941
45 to 49 years	11,401	9,149	80.2	8,683	466	5.1	2,253	1,718	22	160	353
50 to 54 years	10,855	7,994	73.6	7,640	354	4.4	2,861	2,012	34	226	589
55 to 64 years	22,050	11,975	54.3	11,457	517	4.3	10,075	5,682	30	671	3,693
55 to 59 years	11,246	7,228	64.3	6,904	324	4.5	4,018	2,578	24	320	1,096
60 to 64 years	10,803	4,747	43.9	4,553	193	4.1	6,057	3,103	6	351	2,596
65 years and over	26,658	2,953	11.1	2,848	104	3.5	23,705	10,329	10	1,045	12,322
65 to 69 years	9,016	1,713	19.0	1,653	60	3.5	7,302	3,261	4	211	3,828
70 years and over	17,642	1,239	7.0	1,196	43	3.5	16,403	7,069	6	834	8,494
Men											
16 years and over	83,971	63,825	76.0	59,511	4,315	6.8	20,146	507	4,815	1,537	13,286
16 to 19 years	7,308	3,871	53.0	3,109	762	19.7	3,437	5	3,159	12	261
16 to 17 years	3,644	1,440	39.5	1,137	304	21.1	2,203	2	2,118	3	79
18 to 19 years	3,664	2,430	66.3	1,972	458	18.9	1,234	3	1,041	9	182
20 to 24 years	10,054	8,461	84.2	7,559	902	10.7	1,593	19	1,210	27	338
25 to 54 years	45,451	42,710	94.0	40,442	2,269	5.3	2,740	184	433	603	1,520
25 to 34 years	19,751	18,621	94.3	17,426	1,195	6.4	1,130	76	342	162	550
25 to 29 years	10,319	9,649	93.5	8,967	681	7.1	670	46	256	82	286
30 to 34 years	9,432	8,972	95.1	8,459	514	5.7	460	30	86	80	264
35 to 44 years	14,959	14,248	95.3	13,616	632	4.4	710	47	67	170	426
35 to 39 years	8,309	7,941	95.6	7,558	383	4.8	368	27	47	89	206
40 to 44 years	6,650	6,308	94.9	6,059	249	4.0	342	21	20	81	220
45 to 54 years	10,741	9,841	91.6	9,399	442	4.5	900	60	25	270	545
45 to 49 years	5,528	5,180	93.7	4,941	239	4.6	348	25	7	122	194
50 to 54 years	5,213	4,661	89.4	4,459	202	4.3	552	35	18	148	351
55 to 64 years	10,283	7,046	68.5	6,724	322	4.6	3,237	91	11	439	2,696
55 to 59 years	5,302	4,257	80.3	4,060	196	4.6	1,045	43	11	221	770
60 to 64 years	4,981	2,790	56.0	2,664	126	4.5	2,192	49	-	218	1,926
65 years and over	10,875	1,737	16.0	1,677	60	3.4	9,138	207	3	456	8,471
65 to 69 years	4,018	978	24.3	947	31	3.2	3,040	68	2	128	2,843
70 years and over	6,857	759	11.1	731	28	3.7	6,098	140	1	329	5,628
Women											
16 years and over	93,164	50,290	54.0	46,738	3,554	7.1	42,874	30,790	4,614	1,122	6,348
16 to 19 years	7,267	3,554	48.9	2,979	574	16.2	3,714	463	3,041	4	206
16 to 17 years	3,528	1,388	39.3	1,127	261	18.8	2,140	91	1,973	-	76
18 to 19 years	3,739	2,166	57.9	1,852	313	14.5	1,573	372	1,068	4	130
20 to 24 years	10,519	7,539	71.7	6,767	772	10.2	2,980	1,741	987	22	230
25 to 54 years	47,829	33,054	69.1	31,086	1,967	6.0	14,775	12,873	561	277	1,065
25 to 34 years	20,541	14,496	70.6	13,512	984	6.8	6,045	5,206	392	75	372
25 to 29 years	10,705	7,642	71.4	7,047	595	7.8	3,063	2,604	244	32	182
30 to 34 years	9,836	6,854	69.7	6,465	389	5.7	2,982	2,601	147	43	190
35 to 44 years	15,772	11,255	71.4	10,651	604	5.4	4,517	3,997	139	85	296
35 to 39 years	8,747	6,227	71.2	5,892	335	5.4	2,520	2,241	79	39	161
40 to 44 years	7,026	5,028	71.6	4,759	269	5.4	1,997	1,757	60	46	135
45 to 54 years	11,516	7,302	63.4	6,923	379	5.2	4,213	3,670	30	117	396
45 to 49 years	5,873	3,969	67.6	3,742	227	5.7	1,905	1,693	15	38	159
50 to 54 years	5,642	3,333	59.1	3,181	152	4.6	2,309	1,977	16	78	238
55 to 64 years	11,766	4,929	41.9	4,733	196	4.0	6,838	5,591	19	231	997
55 to 59 years	5,945	2,971	50.0	2,844	128	4.3	2,973	2,536	13	98	326
60 to 64 years	5,822	1,957	33.6	1,889	68	3.5	3,865	3,055	6	133	671
65 years and over	15,783	1,215	7.7	1,171	45	3.7	14,567	10,122	7	588	3,850
65 to 69 years	4,998	735	14.7	706	29	4.0	4,262	3,193	2	83	985
70 years and over	10,785	480	4.5	465	15	3.2	10,305	6,929	5	505	2,866

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	November 1984										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
WHITE											
16 years and over	152,659	98,690	64.6	92,825	5,865	5.9	53,969	27,432	7,359	2,089	17,089
16 to 19 years	12,025	6,490	54.0	5,498	992	15.3	5,534	343	4,833	12	346
16 to 17 years	5,911	2,540	43.0	2,091	450	17.7	3,371	81	3,164	3	123
18 to 19 years	6,114	3,950	64.6	3,407	542	13.7	2,164	263	1,669	9	223
20 to 24 years	17,142	13,601	79.3	12,427	1,174	8.6	3,541	1,379	1,781	34	347
25 to 54 years	79,822	65,301	81.8	62,112	3,190	4.9	14,520	11,174	714	656	1,974
25 to 34 years	34,006	28,246	83.1	26,663	1,582	5.6	5,760	4,448	506	173	633
25 to 29 years	17,690	14,735	83.3	13,833	902	6.1	2,954	2,210	335	81	329
30 to 34 years	16,316	13,511	82.8	12,831	680	5.0	2,806	2,238	171	92	305
35 to 44 years	26,496	22,054	83.2	21,119	935	4.2	4,442	3,515	169	184	575
35 to 39 years	14,676	12,207	83.2	11,684	523	6.5	2,469	2,001	104	90	289
40 to 44 years	11,821	9,847	83.3	9,435	412	4.2	1,974	1,542	65	94	286
45 to 54 years	19,319	15,001	77.6	14,329	672	4.5	4,318	3,212	40	300	766
45 to 49 years	9,872	7,971	80.7	7,576	395	5.0	1,901	1,482	16	121	286
50 to 54 years	9,446	7,030	74.4	6,752	278	5.6	2,418	1,751	24	179	480
55 to 64 years	19,581	10,650	54.4	10,224	426	4.0	8,931	5,107	24	526	3,274
55 to 59 years	9,937	6,437	64.8	6,171	267	4.1	3,500	2,287	20	247	946
60 to 64 years	9,644	4,212	43.7	4,053	159	3.8	5,431	2,820	4	279	2,328
65 years and over	24,090	2,648	11.0	2,565	83	3.1	21,442	9,428	7	859	11,148
65 to 69 years	8,133	1,531	18.8	1,484	48	3.1	6,603	2,965	1	158	3,480
70 years and over	15,956	1,117	7.0	1,081	35	3.1	14,840	6,462	7	704	7,668
Men											
16 years and over	72,872	55,889	76.7	52,591	3,298	5.9	16,983	375	3,762	1,229	11,617
16 to 19 years	6,056	3,390	56.0	2,810	580	17.1	2,666	1	2,458	10	196
16 to 17 years	3,013	1,309	43.5	1,054	255	19.5	1,703	-	1,639	4	61
18 to 19 years	3,044	2,081	68.4	1,756	325	15.6	963	2	819	7	135
20 to 24 years	8,466	7,223	85.3	6,576	645	8.9	1,243	14	997	26	207
25 to 54 years	39,323	37,337	95.0	35,573	1,765	4.7	1,985	103	298	464	1,118
25 to 34 years	16,855	16,088	95.5	15,171	917	5.7	767	41	236	117	373
25 to 29 years	8,761	8,314	94.9	7,794	520	6.3	446	24	174	61	188
30 to 34 years	8,094	7,774	96.0	7,378	396	5.1	321	17	63	56	185
35 to 44 years	13,038	12,505	95.9	12,016	489	3.9	533	28	50	130	325
35 to 39 years	7,220	6,946	96.2	6,651	295	4.2	274	14	36	68	155
40 to 44 years	5,818	5,559	95.5	5,365	194	3.5	259	14	14	62	170
45 to 54 years	9,430	8,744	92.7	8,385	359	4.1	686	34	12	218	421
45 to 49 years	4,833	4,576	94.7	4,376	200	4.4	257	14	3	93	147
50 to 54 years	4,596	4,168	90.7	4,009	159	3.8	429	20	9	125	274
55 to 64 years	9,181	6,350	69.2	6,085	265	4.2	2,831	77	8	357	2,389
55 to 59 years	4,716	3,843	81.5	3,684	158	4.1	873	33	8	174	659
60 to 64 years	4,465	2,507	56.2	2,401	106	4.2	1,958	45	-	184	1,730
65 years and over	9,847	1,589	16.1	1,545	44	2.8	8,258	179	1	371	7,706
65 to 69 years	3,646	890	24.4	868	23	2.6	2,756	57	-	94	2,604
70 years and over	6,201	699	11.3	677	21	3.1	5,502	122	1	277	5,103
Women											
16 years and over	79,786	42,800	53.6	40,234	2,567	6.0	36,986	27,057	3,598	859	5,472
16 to 19 years	5,968	3,100	51.9	2,688	412	13.3	2,868	342	2,375	2	149
16 to 17 years	2,898	1,231	42.5	1,037	195	15.8	1,667	81	1,525	-	62
18 to 19 years	3,070	1,869	60.9	1,651	218	11.6	1,201	261	850	2	88
20 to 24 years	8,676	6,378	73.5	5,849	530	8.3	2,298	1,366	784	8	140
25 to 54 years	40,499	27,964	69.0	26,539	1,425	5.1	12,535	11,071	416	192	856
25 to 34 years	17,151	12,157	70.9	11,492	665	5.5	4,993	4,407	269	56	261
25 to 29 years	8,929	6,421	71.9	6,039	382	5.9	2,508	2,186	161	20	141
30 to 34 years	8,222	5,737	69.8	5,453	284	4.9	2,485	2,221	108	36	120
35 to 44 years	13,458	9,549	71.0	9,103	446	4.7	3,909	3,486	119	54	250
35 to 39 years	7,456	5,261	70.6	5,033	228	4.3	2,195	1,971	68	22	134
40 to 44 years	6,003	4,288	71.4	4,070	218	5.1	1,715	1,516	51	32	116
45 to 54 years	9,890	6,257	63.3	5,943	314	5.0	3,633	3,178	28	82	345
45 to 49 years	5,039	3,395	67.4	3,200	195	5.7	1,644	1,465	13	28	139
50 to 54 years	4,850	2,862	59.0	2,743	119	4.1	1,989	1,713	15	54	206
55 to 64 years	10,400	4,300	41.3	4,138	161	3.8	6,100	5,030	16	168	885
55 to 59 years	5,221	2,594	49.7	2,486	108	4.2	2,627	2,255	12	73	287
60 to 64 years	5,179	1,705	32.9	1,652	53	3.1	3,473	2,775	4	95	598
65 years and over	14,243	1,058	7.4	1,020	39	3.7	13,184	9,248	7	489	3,441
65 to 69 years	4,487	641	14.3	616	25	3.9	3,847	2,908	1	62	876
70 years and over	9,755	418	4.3	404	14	3.3	9,338	6,340	6	427	2,565

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

(Numbers in thousands)

Age, sex, and race	November 1984										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
BLACK											
16 years and over	19,481	12,234	62.8	10,479	1,754	14.3	7,247	3,030	1,555	517	2,147
16 to 19 years	2,137	793	37.1	460	332	41.9	1,345	112	1,125	2	106
16 to 17 years	1,049	240	22.9	129	111	46.2	809	12	772	-	26
18 to 19 years	1,088	552	50.8	331	222	40.1	536	100	353	2	80
20 to 24 years	2,788	1,993	71.5	1,544	449	22.5	795	307	280	14	194
25 to 54 years	10,375	8,144	78.5	7,259	884	10.9	2,231	1,383	148	200	501
25 to 34 years	4,848	3,814	78.7	3,286	528	13.8	1,034	599	126	63	246
25 to 29 years	2,599	2,027	78.0	1,692	335	16.5	572	325	85	32	129
30 to 34 years	2,250	1,788	79.5	1,595	193	10.8	462	274	42	30	117
35 to 44 years	3,229	2,640	81.8	2,395	244	9.2	589	385	16	64	125
35 to 39 years	1,807	1,500	83.0	1,349	150	10.0	308	206	4	33	64
40 to 44 years	1,421	1,140	80.2	1,047	93	8.2	281	179	12	31	60
45 to 54 years	2,298	1,690	73.5	1,578	112	6.6	608	399	6	73	130
45 to 49 years	1,204	925	76.8	871	55	5.9	279	188	1	35	53
50 to 54 years	1,095	765	69.9	707	58	7.6	330	210	5	38	77
55 to 64 years	1,978	1,064	53.8	990	74	7.0	914	446	2	133	333
55 to 59 years	1,046	638	61.0	591	47	7.4	408	226	1	64	117
60 to 64 years	933	426	45.7	399	27	6.3	507	220	1	70	216
65 years and over	2,203	241	10.9	226	15	6.2	1,962	782	-	168	1,013
65 to 69 years	738	130	17.6	125	6	4.6	608	251	-	49	307
70 years and over	1,464	110	7.5	101	9	8.2	1,355	530	-	118	706
Men											
16 years and over	8,717	6,164	70.7	5,301	862	14.0	2,553	111	755	280	1,407
16 to 19 years	1,044	420	40.3	240	180	42.8	624	4	563	-	56
16 to 17 years	521	110	21.1	62	48	44.0	411	3	396	-	13
18 to 19 years	523	310	59.3	179	132	42.4	213	1	168	-	43
20 to 24 years	1,298	1,037	79.9	812	225	21.7	260	5	140	1	115
25 to 54 years	4,652	4,063	87.3	3,659	405	10.0	589	75	52	124	339
25 to 34 years	2,196	1,924	87.6	1,692	232	12.1	273	33	40	45	154
25 to 29 years	1,184	1,023	86.4	888	135	13.2	161	19	34	21	87
30 to 34 years	1,013	901	89.0	804	97	10.8	112	14	7	24	67
35 to 44 years	1,440	1,296	90.0	1,180	116	8.9	144	17	6	34	88
35 to 39 years	809	735	90.8	666	69	9.5	74	12	2	16	44
40 to 44 years	631	561	88.9	515	46	8.3	70	5	4	18	43
45 to 54 years	1,016	844	83.0	787	57	6.7	173	25	6	45	97
45 to 49 years	535	458	85.7	431	27	5.9	77	11	1	27	38
50 to 54 years	482	386	80.0	356	30	7.6	96	13	5	19	59
55 to 64 years	856	531	62.0	488	43	8.0	326	9	-	74	241
55 to 59 years	452	319	70.4	292	27	8.4	134	8	-	43	83
60 to 64 years	404	212	52.5	196	16	7.5	192	2	-	32	158
65 years and over	866	111	12.9	102	10	8.9	755	18	-	81	656
65 to 69 years	308	59	19.3	57	3	(¹)	249	7	-	31	211
70 years and over	557	52	9.3	45	7	(¹)	506	11	-	49	445
Women											
16 years and over	10,764	6,070	56.4	5,178	892	14.7	4,694	2,918	800	236	740
16 to 19 years	1,093	372	34.0	220	152	40.9	721	108	562	2	50
16 to 17 years	528	130	24.7	68	62	47.9	398	9	376	-	13
18 to 19 years	565	242	42.8	152	90	37.2	323	99	185	2	37
20 to 24 years	1,490	955	64.1	732	223	23.4	535	302	140	13	79
25 to 54 years	5,723	4,081	71.3	3,600	479	11.7	1,642	1,308	96	76	162
25 to 34 years	2,652	1,891	71.3	1,595	296	15.7	761	566	86	18	92
25 to 29 years	1,415	1,004	70.9	804	200	19.9	411	306	51	11	42
30 to 34 years	1,237	887	71.7	791	96	10.8	350	260	35	6	50
35 to 44 years	1,789	1,344	75.1	1,215	128	9.5	445	368	10	30	37
35 to 39 years	998	765	76.6	683	81	10.6	234	194	2	17	20
40 to 44 years	790	579	73.2	532	47	8.1	211	174	8	13	17
45 to 54 years	1,282	846	66.0	791	55	6.6	435	374	-	28	33
45 to 49 years	669	467	69.8	440	28	5.9	202	177	-	8	15
50 to 54 years	613	379	61.9	351	28	7.4	234	197	-	19	18
55 to 64 years	1,122	533	47.5	502	32	5.9	589	437	2	59	92
55 to 59 years	593	319	53.8	299	21	6.5	274	219	1	21	34
60 to 64 years	529	214	40.5	203	11	5.1	315	218	1	38	58
65 years and over	1,337	129	9.7	124	5	3.8	1,208	764	-	87	357
65 to 69 years	430	71	16.6	68	3	(¹)	359	244	-	18	96
70 years and over	907	58	6.4	56	2	(¹)	849	519	-	69	261

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age and sex	November 1984								Not in labor force
	Civilian noninstitutional population	Civilian labor force							
		Total	Percent of population	Employed			Unemployed		
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
TOTAL									
16 years and over	24,477	15,425	63.0	13,422	283	13,139	2,004	13.0	9,051
16 to 19 years	2,551	934	36.6	590	14	576	345	36.9	1,616
16 to 17 years	1,261	288	22.8	173	1	171	115	40.0	973
18 to 19 years	1,290	646	50.1	417	12	405	229	35.5	643
20 to 24 years	3,430	2,398	69.9	1,899	31	1,868	499	20.8	1,032
25 to 54 years	13,459	10,463	77.7	9,416	182	9,234	1,046	10.0	2,996
25 to 34 years	6,286	4,872	77.5	4,274	64	4,211	598	12.3	1,414
25 to 29 years	3,334	2,555	76.6	2,181	39	2,142	375	14.7	779
30 to 34 years	2,952	1,268	43.0	2,093	25	2,068	222	17.5	636
35 to 44 years	4,235	3,449	81.5	3,148	58	3,089	302	8.7	785
35 to 39 years	2,380	1,961	82.4	1,765	28	1,738	196	10.0	420
40 to 44 years	1,854	1,489	80.3	1,383	31	1,352	106	7.1	366
45 to 54 years	2,938	2,142	72.9	1,994	59	1,935	148	6.9	796
45 to 49 years	1,529	1,178	77.0	1,106	35	1,071	71	6.0	352
50 to 54 years	1,408	965	68.5	888	25	863	78	8.1	443
55 to 64 years	2,469	1,325	53.7	1,233	37	1,196	91	6.9	1,144
55 to 59 years	1,309	791	60.4	733	24	709	57	7.3	519
60 to 64 years	1,160	534	46.1	500	13	487	34	6.4	625
65 years and over	2,568	305	11.9	283	20	264	21	7.0	2,263
65 to 69 years	882	183	20.7	169	13	157	13	7.1	700
70 years and over	1,686	122	7.2	114	7	107	21	17.2	1,563
Men									
16 years and over	11,099	7,936	71.5	6,919	253	6,666	1,017	12.8	3,163
16 to 19 years	1,252	480	38.4	298	12	286	182	37.9	771
16 to 17 years	631	131	20.8	82	-	83	49	37.3	500
18 to 19 years	621	349	56.3	216	13	203	133	38.2	271
20 to 24 years	1,588	1,238	78.0	981	25	956	257	20.8	350
25 to 54 years	6,129	5,373	87.7	4,869	161	4,708	504	9.4	755
25 to 34 years	2,896	2,533	87.5	2,255	59	2,196	278	11.0	363
25 to 29 years	1,558	1,334	85.6	1,173	35	1,138	161	12.1	224
30 to 34 years	1,338	1,199	89.6	1,081	24	1,057	117	9.8	139
35 to 44 years	1,921	1,743	90.8	1,600	47	1,553	143	8.2	177
35 to 39 years	1,089	995	91.3	907	24	883	88	8.8	95
40 to 44 years	831	749	90.1	694	24	670	55	7.4	83
45 to 54 years	1,312	1,097	83.6	1,014	55	959	83	7.6	215
45 to 49 years	695	604	86.8	564	33	531	39	6.5	92
50 to 54 years	616	493	80.0	450	22	428	44	8.8	123
55 to 64 years	1,102	696	63.1	639	37	602	57	8.2	406
55 to 59 years	586	414	70.6	376	23	353	38	9.1	172
60 to 64 years	516	282	54.7	263	13	250	19	6.8	234
65 years and over	1,028	148	14.4	132	19	114	16	10.6	880
65 to 69 years	372	88	23.6	79	11	68	9	9.9	284
70 years and over	656	60	9.2	53	7	46	7	(¹)	596
Women									
16 years and over	13,378	7,490	56.0	6,502	29	6,473	987	13.2	5,888
16 to 19 years	1,299	454	34.9	291	2	290	162	35.8	845
16 to 17 years	630	157	24.9	91	2	88	66	42.3	473
18 to 19 years	669	297	44.4	201	-	201	96	32.3	372
20 to 24 years	1,842	1,160	63.0	918	6	912	242	20.9	682
25 to 54 years	7,330	5,090	69.4	4,547	21	4,526	542	10.6	2,241
25 to 34 years	3,390	2,339	69.0	2,020	5	2,015	319	13.6	1,051
25 to 29 years	1,776	1,221	68.8	1,008	4	1,004	214	17.5	555
30 to 34 years	1,614	1,117	69.2	1,012	1	1,011	105	9.4	497
35 to 44 years	2,314	1,706	73.7	1,547	11	1,536	158	9.3	608
35 to 39 years	1,291	966	74.8	858	4	855	108	11.1	325
40 to 44 years	1,023	740	72.3	689	7	682	51	6.9	283
45 to 54 years	1,626	1,045	64.3	980	5	975	65	6.3	581
45 to 49 years	834	574	68.8	542	2	540	32	5.5	260
50 to 54 years	792	472	59.5	438	3	435	34	7.2	320
55 to 64 years	1,366	629	46.0	595	-	594	34	5.5	738
55 to 59 years	723	377	52.1	357	1	356	20	5.2	346
60 to 64 years	643	252	39.2	237	-	238	15	5.8	391
65 years and over	1,540	157	10.2	151	1	150	6	3.7	1,383
65 to 69 years	510	95	18.5	90	2	89	4	4.4	416
70 years and over	1,030	62	6.1	61	-	61	2	(¹)	967

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

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

(Numbers in thousands)

Employment status and race	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years	
	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984
TOTAL								
Civilian noninstitutional population	174,951	177,135	75,327	76,663	84,553	85,897	15,072	14,575
Civilian labor force	112,147	114,115	58,996	59,955	45,475	46,736	7,677	7,425
Percent of population	64.1	64.4	78.3	78.2	53.8	54.4	50.9	50.9
Employed	103,018	106,246	54,631	56,402	42,294	43,756	6,093	6,088
Agriculture	3,152	3,227	2,342	2,424	596	540	215	263
Nonagricultural industries	99,866	103,019	52,289	53,978	41,698	43,216	5,879	5,825
Unemployed	9,129	7,869	4,365	3,552	3,180	2,980	1,584	1,337
Unemployment rate	8.1	6.9	7.4	5.9	7.0	6.4	20.6	18.0
Not in labor force	62,804	63,020	16,331	16,709	39,078	39,161	7,395	7,151
White								
Civilian noninstitutional population	151,324	152,659	65,908	66,816	72,994	73,818	12,422	12,025
Civilian labor force	97,705	98,690	51,919	52,499	39,033	39,700	6,754	6,490
Percent of population	64.6	64.6	78.8	78.6	53.5	53.8	54.4	54.0
Employed	90,793	92,825	48,527	49,781	36,700	37,546	5,565	5,498
Agriculture	2,910	2,944	2,134	2,183	566	513	210	249
Nonagricultural industries	87,884	89,881	46,394	47,598	36,134	37,033	5,355	5,249
Unemployed	6,912	5,865	3,391	2,718	2,332	2,155	1,188	992
Unemployment rate	7.1	5.9	6.5	5.2	6.0	5.4	17.6	15.3
Not in labor force	53,619	53,969	13,990	14,317	33,961	34,118	5,668	5,534
Black								
Civilian noninstitutional population	19,057	19,481	7,434	7,673	9,421	9,671	2,202	2,137
Civilian labor force	11,580	12,234	5,566	5,743	5,271	5,698	743	793
Percent of population	60.8	62.8	74.9	74.8	55.9	58.9	33.7	37.1
Employed	9,629	10,479	4,743	5,061	4,502	4,958	385	460
Agriculture	165	223	150	197	17	16	-	11
Nonagricultural industries	9,464	10,256	4,593	4,864	4,485	4,942	385	449
Unemployed	1,950	1,754	823	682	769	740	358	332
Unemployment rate	16.8	14.3	14.8	11.9	14.6	13.0	48.2	41.9
Not in labor force	7,477	7,247	1,868	1,930	4,150	3,973	1,459	1,345

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status and major activity	November 1984								
	Total			White			Black		
	Both sexes	Men	Women	Both sexes	Men	Women	Both sexes	Men	Women
TOTAL									
Civilian noninstitutional population	22,513	11,180	11,333	18,616	9,297	9,318	3,250	1,565	1,685
Civilian labor force	13,220	6,854	6,366	11,375	5,924	5,451	1,551	802	749
Percent of population	58.7	61.3	56.2	61.1	63.7	58.5	47.7	51.2	44.5
Employed	11,201	5,730	5,470	9,911	5,088	4,823	1,030	528	502
Agriculture	394	338	55	371	320	51	15	14	1
Nonagricultural industries	10,807	5,392	5,415	9,540	4,768	4,772	1,015	514	501
Unemployed	2,020	1,124	895	1,464	836	628	521	274	247
Looking for full-time work	1,263	753	511	872	533	339	362	209	153
Looking for part-time work	756	371	385	593	303	289	159	65	94
Percent of labor force	15.3	16.4	14.1	12.9	14.1	11.5	33.6	34.2	32.9
Not in labor force	9,293	4,326	4,967	7,241	3,373	3,867	1,699	764	935
Major activity: Going to school									
Civilian noninstitutional population	11,726	5,995	5,731	9,670	4,931	4,738	1,669	848	821
Civilian labor force	4,209	2,120	2,089	3,730	1,870	1,860	389	209	180
Percent of population	35.9	35.4	36.5	38.6	37.9	39.3	23.3	24.6	21.9
Employed	3,484	1,735	1,749	3,189	1,575	1,614	207	121	86
Agriculture	112	93	19	110	93	17	3	1	2
Nonagricultural industries	3,372	1,642	1,730	3,080	1,482	1,598	204	120	84
Unemployed	725	385	341	540	295	246	182	88	94
Looking for full-time work	74	44	31	38	21	17	37	23	14
Looking for part-time work	651	341	310	502	273	229	145	65	80
Percent of labor force	17.2	18.2	16.3	14.5	15.8	13.2	46.7	42.1	52.2
Not in labor force	7,516	3,875	3,642	5,940	3,061	2,878	1,280	639	641
Major activity: Other									
Civilian noninstitutional population	10,788	5,186	5,602	8,946	4,366	4,580	1,581	718	863
Civilian labor force	9,011	4,735	4,277	7,645	4,054	3,591	1,162	593	569
Percent of population	83.5	91.3	76.3	85.5	92.9	78.4	73.5	82.7	65.9
Employed	7,717	3,995	3,722	6,721	3,513	3,208	823	407	416
Agriculture	282	245	36	261	227	34	12	12	-
Nonagricultural industries	7,435	3,750	3,685	6,460	3,286	3,174	811	393	418
Unemployed	1,294	739	555	924	541	382	339	187	152
Looking for full-time work	1,189	709	480	833	512	322	325	186	139
Looking for part-time work	105	30	75	90	30	61	14	1	13
Percent of labor force	14.4	15.6	13.0	12.1	13.4	10.7	29.2	31.5	26.8
Not in labor force	1,776	451	1,325	1,301	312	989	419	125	294

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

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	Nov. 1983	Nov. 1984	Total		Employed		Unemployed			
			Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984	Number		Percent of labor force	
							Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984
VETERANS										
Total, 25 years and over	7,896	7,924	7,390	7,418	6,870	7,032	520	386	7.0	5.2
25 to 39 years	5,744	5,345	5,514	5,130	5,091	4,833	423	297	7.7	5.8
25 to 29 years	607	396	561	378	495	342	66	36	11.8	9.5
30 to 34 years	2,000	1,567	1,915	1,495	1,739	1,382	176	113	9.2	7.6
35 to 39 years	3,137	3,382	3,038	3,257	2,857	3,109	181	148	6.0	4.5
40 years and over	2,152	2,579	1,876	2,288	1,779	2,199	97	89	5.2	3.9
NONVETERANS										
Total, 25 to 39 years	20,369	21,531	19,209	20,319	17,756	19,135	1,453	1,184	7.6	5.8
25 to 29 years	8,783	9,057	8,207	8,461	7,489	7,893	718	568	8.7	6.7
30 to 34 years	6,993	7,623	6,636	7,248	6,195	6,863	441	385	6.6	5.3
35 to 39 years	4,593	4,851	4,366	4,610	4,072	4,379	294	231	6.7	5.0

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Sex, age, and race	November 1984								
	Total	Full-time labor force				Part-time labor force			
		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									
Total, 16 years and over	97,356	85,513	5,509	6,334	6.5	16,760	15,225	1,534	9.2
16 to 19 years	3,313	2,041	571	701	21.2	4,112	3,476	635	15.5
16 to 17 years	418	197	89	132	31.6	2,411	1,978	433	18.0
18 to 19 years	2,895	1,844	482	569	19.7	1,701	1,499	202	11.9
20 years and over	94,043	83,472	4,938	5,633	6.0	12,648	11,749	899	7.1
20 to 24 years	13,275	10,708	1,168	1,400	10.5	2,724	2,450	274	10.1
25 years and over	80,768	72,765	3,770	4,233	5.2	9,923	9,299	625	6.3
25 to 54 years	68,909	61,979	3,157	3,773	5.5	6,855	6,392	464	6.8
55 years and over	11,859	10,785	614	460	3.9	3,068	2,907	161	5.2
Men, 16 years and over	58,515	52,368	2,435	3,712	6.3	5,310	4,708	602	11.3
16 to 19 years	1,874	1,134	307	432	23.1	1,997	1,667	330	16.5
20 years and over	56,641	51,233	2,128	3,280	5.8	3,313	3,041	272	8.2
20 to 24 years	7,303	5,921	574	809	11.1	1,157	1,065	93	8.0
25 years and over	49,338	45,313	1,554	2,472	5.0	2,156	1,977	179	8.3
25 to 54 years	41,740	38,271	1,303	2,167	5.2	970	868	102	10.5
55 years and over	7,597	7,042	251	305	4.0	1,186	1,109	77	6.5
Women, 16 years and over	38,841	33,145	3,074	2,622	6.8	11,449	10,517	932	8.1
16 to 19 years	1,439	906	264	269	18.7	2,115	1,809	305	14.4
20 years and over	37,401	32,239	2,810	2,353	6.3	9,335	8,708	627	6.7
20 to 24 years	5,972	4,787	594	591	9.9	1,567	1,385	181	11.6
25 years and over	31,430	27,452	2,216	1,763	5.6	7,767	7,321	446	5.7
25 to 54 years	27,168	23,709	1,853	1,606	5.9	5,885	5,523	362	6.2
55 years and over	4,261	3,743	363	156	3.7	1,882	1,798	84	4.5
White									
Men, 16 years and over	51,207	46,419	1,987	2,801	5.5	4,683	4,185	497	10.6
16 to 19 years	1,609	1,048	249	312	19.4	1,781	1,513	268	15.0
20 years and over	49,597	45,371	1,738	2,489	5.0	2,902	2,672	229	7.9
20 to 24 years	6,219	5,191	457	571	9.2	1,004	930	74	7.4
25 years and over	43,378	40,179	1,281	1,918	4.4	1,898	1,743	156	8.2
25 to 54 years	36,528	33,788	1,061	1,679	4.6	809	724	85	10.5
55 years and over	6,850	6,391	220	239	3.5	1,089	1,019	71	6.5
Women, 16 years and over	32,408	28,152	2,426	1,830	5.6	10,392	9,656	736	7.1
16 to 19 years	1,201	795	219	187	15.6	1,899	1,674	225	11.9
20 years and over	31,207	27,358	2,206	1,643	5.3	8,493	7,982	511	6.0
20 to 24 years	5,009	4,158	462	389	7.8	1,369	1,229	141	10.3
25 years and over	26,198	23,199	1,745	1,255	4.8	7,124	6,754	370	5.2
25 to 54 years	22,501	19,931	1,453	1,118	5.0	5,463	5,156	307	5.6
55 years and over	3,697	3,268	292	137	3.7	1,661	1,598	63	3.8
Black									
Men, 16 years and over	5,698	4,533	398	767	13.5	465	370	95	20.5
16 to 19 years	242	69	54	119	49.3	178	118	61	34.0
20 years and over	5,456	4,464	345	647	11.9	287	252	35	12.1
20 to 24 years	935	617	105	212	22.7	103	90	13	12.6
25 years and over	4,521	3,846	239	436	9.6	185	163	23	12.4
25 to 54 years	3,949	3,347	213	389	9.9	114	98	17	14.9
55 years and over	572	499	26	47	8.2	71	65	6	(²)
Women, 16 years and over	5,231	3,950	573	707	13.5	839	655	185	22.0
16 to 19 years	192	83	34	74	38.7	180	102	78	43.3
20 years and over	5,039	3,867	539	633	12.6	659	552	107	16.2
20 to 24 years	806	511	112	183	22.8	150	110	40	26.7
25 years and over	4,233	3,357	427	443	10.5	508	442	67	13.2
25 to 54 years	3,769	2,978	360	432	11.5	310	263	48	15.5
55 years and over	464	379	67	11	2.5	198	179	19	9.6

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

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

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

(Numbers in thousands)

Family relationship	November 1984									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over ¹	94,414	64.9	87,813	6,601	7.0	51,086	25,445	8,630	1,996	15,014
Husbands	39,623	79.0	38,052	1,571	4.0	10,550	195	208	906	9,240
With employed wife	23,628	92.1	22,818	811	3.4	2,037	74	112	338	1,513
With unemployed wife	1,253	91.6	1,087	166	13.3	114	1	1	31	81
With wife not in labor force	14,741	63.7	14,147	594	4.0	8,399	120	95	537	7,647
Wives	27,032	53.9	25,665	1,367	5.1	23,140	20,277	358	302	2,203
With employed husband	23,905	62.8	22,818	1,087	4.5	14,147	13,025	283	97	742
With unemployed husband	977	62.2	811	166	17.0	594	544	20	12	19
With husband not in labor force	2,151	20.4	2,037	114	5.3	8,399	6,709	55	193	1,442
Relatives in married-couple families	13,311	61.3	11,705	1,606	12.1	8,387	865	5,942	266	1,314
16 to 19 years	4,938	50.5	4,245	693	14.0	4,846	111	4,498	2	235
20 to 24 years	5,259	75.4	4,686	572	10.9	1,717	149	1,323	25	220
25 years and over	3,114	63.1	2,774	341	11.0	1,824	605	121	239	859
Women who maintain families	5,971	61.1	5,313	658	11.0	3,805	2,882	131	160	631
Relatives in families maintained by women	5,104	58.0	4,071	1,034	20.3	3,701	802	1,688	251	961
16 to 19 years	1,291	45.2	861	429	33.3	1,566	100	1,303	10	153
20 to 24 years	1,646	73.9	1,343	302	18.4	582	119	297	11	156
25 years and over	2,167	58.2	1,867	303	14.0	1,553	583	88	230	652
Men who maintain families	1,787	75.8	1,649	137	7.7	570	52	41	51	426
Relatives in families maintained by men	1,586	63.0	1,358	228	14.4	933	372	262	60	239
16 to 19 years	269	55.7	210	60	22.2	214	5	180	2	27
20 to 24 years	491	79.9	422	69	14.0	124	40	68	1	14
25 years and over	826	58.2	726	99	12.0	595	327	14	57	198

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

NOTE: Because of new estimation techniques introduced in January

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984
Total, 16 years and over	5,227	4,315	8.3	6.8	3,902	3,554	7.9	7.1
Married, spouse present	2,097	1,722	5.2	4.2	1,631	1,484	6.0	5.3
Widowed, divorced, or separated	629	506	10.7	8.5	814	756	8.4	7.9
Single (never married)	2,501	2,087	15.2	12.5	1,457	1,315	11.8	10.3
White, 16 years and over	4,052	3,298	7.3	5.9	2,860	2,567	6.8	6.0
Married, spouse present	1,783	1,433	4.9	3.9	1,398	1,230	5.7	4.9
Widowed, divorced, or separated	457	380	9.3	7.7	587	541	7.5	7.1
Single (never married)	1,812	1,485	13.1	10.6	875	795	8.6	7.7
Black, 16 years and over	1,006	862	16.9	14.0	944	892	16.8	14.7
Married, spouse present	242	214	8.2	7.1	187	203	9.1	8.9
Widowed, divorced, or separated	145	99	16.5	11.1	210	195	12.7	11.1
Single (never married)	619	549	28.8	24.5	546	494	29.0	24.4
Total, 25 years and over	3,247	2,651	6.4	5.1	2,325	2,208	6.1	5.6
Married, spouse present	1,908	1,565	5.0	4.0	1,320	1,172	5.4	4.7
Widowed, divorced, or separated	585	466	10.3	8.2	692	671	7.6	7.4
Single (never married)	754	619	11.4	9.0	313	365	6.8	7.4
White, 25 years and over	2,584	2,073	5.8	4.6	1,760	1,625	5.4	4.9
Married, spouse present	1,619	1,305	4.7	3.7	1,127	957	5.2	4.3
Widowed, divorced, or separated	418	350	8.9	7.4	492	476	6.7	6.6
Single (never married)	547	419	10.0	7.4	141	192	3.9	5.0
Black, 25 years and over	548	457	11.9	9.7	504	516	11.4	10.9
Married, spouse present	221	193	7.9	6.7	150	168	7.9	8.1
Widowed, divorced, or separated	139	90	16.2	10.4	187	178	11.8	10.4
Single (never married)	187	174	20.2	17.9	167	171	18.4	18.0

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-12. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984
Total, 16 years and over	9,129	7,869	8.1	6.9	8.3	6.8	7.9	7.1
Managerial and professional specialty	673	626	2.7	2.4	2.6	2.0	2.9	3.0
Executive, administrative, and managerial	355	306	3.1	2.5	2.9	2.1	3.7	3.5
Professional specialty	318	320	2.3	2.3	2.3	2.0	2.4	2.6
Technical, sales, and administrative support	1,852	1,598	5.5	4.6	4.8	3.7	5.9	5.1
Technicians and related support	146	103	4.6	3.2	4.5	3.0	4.6	3.4
Sales occupations	769	707	6.0	5.2	4.5	3.8	7.6	6.6
Administrative support, including clerical	937	789	5.3	4.5	5.4	4.0	5.3	4.6
Service occupations	1,549	1,361	9.9	8.8	10.2	8.6	9.7	8.9
Private household	75	67	7.1	6.2	(¹)	(¹)	6.8	6.6
Protective service	93	111	5.2	6.0	4.6	5.7	9.0	8.1
Service, except private household and protective	1,381	1,183	10.8	9.4	12.0	9.8	10.1	9.2
Precision production, craft, and repair	1,117	940	7.9	6.6	8.0	6.6	7.7	6.8
Mechanics and repairers	258	216	5.7	4.7	5.8	4.6	2.5	6.6
Construction trades	520	497	10.0	9.5	9.9	9.5	17.3	9.1
Other precision production, craft, and repair	338	228	7.8	5.3	7.9	4.9	7.4	6.6
Operators, fabricators, and laborers	2,436	2,053	12.7	10.7	12.7	10.4	12.8	11.4
Machine operators, assemblers, and inspectors	1,135	916	12.3	10.0	11.7	9.1	13.1	11.3
Transportation and material moving occupations	470	475	9.8	9.4	9.9	9.5	8.3	8.4
Handlers, equipment cleaners, helpers, and laborers	831	662	16.3	13.1	16.8	13.1	13.3	13.0
Construction laborers	167	161	20.1	20.8	19.0	20.8	(¹)	(¹)
Other handlers, equipment cleaners, helpers, and laborers	664	501	15.5	11.7	16.3	11.4	12.0	12.7
Farming, forestry, and fishing	405	320	10.8	8.4	10.3	7.8	13.2	11.9
No previous work experience	1,055	900	-	-	-	-	-	-
16 to 19 years	705	572	-	-	-	-	-	-
20 to 24 years	243	229	-	-	-	-	-	-
25 years and over	106	99	-	-	-	-	-	-

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-13. Unemployed persons by industry and sex

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984
Total, 16 years and over	9,129	7,869	8.1	6.9	8.3	6.8	7.9	7.1
Nonagricultural private wage and salary workers	6,824	5,919	8.3	7.0	8.6	7.0	7.8	6.9
Mining	115	102	11.4	10.5	12.6	10.9	6.1	7.8
Construction	759	713	13.6	12.5	13.7	13.1	12.8	6.5
Manufacturing	1,911	1,575	8.7	7.0	8.4	6.3	9.3	8.5
Durable goods	1,163	928	8.9	6.9	9.0	6.7	8.6	7.3
Lumber and wood products	78	60	11.6	9.0	11.6	9.0	11.5	8.7
Furniture and fixtures	63	56	10.5	9.4	10.2	9.0	11.2	10.3
Stone, clay, and glass products	54	55	9.2	8.6	7.5	8.7	14.7	8.1
Primary metal industries	157	143	15.9	14.7	15.3	15.6	20.8	8.8
Fabricated metal products	166	113	11.3	8.2	11.2	8.5	11.6	7.2
Machinery, except electrical	206	127	7.8	4.4	8.1	4.0	7.0	5.7
Electrical machinery, equipment, and supplies	144	162	6.1	6.3	5.5	5.6	7.0	7.1
Transportation equipment	196	128	7.7	5.0	8.0	4.7	6.5	6.1
Automobiles	104	90	8.5	6.6	8.5	6.3	8.6	7.8
Other transportation equipment	91	38	6.9	3.2	7.5	2.9	4.5	4.2
Professional and photographic equipment	46	23	6.5	3.5	6.6	3.6	6.2	3.4
Other durable goods industries	53	61	9.9	12.3	9.7	8.8	10.2	16.2
Nondurable goods	748	647	8.5	7.2	7.3	5.4	10.1	9.6
Food and kindred products	226	162	12.6	8.6	11.0	6.9	15.8	12.0
Textile mill products	41	63	5.2	7.0	4.5	4.2	5.9	9.7
Apparel and other textile products	136	133	10.1	11.0	12.5	9.9	9.5	11.2
Paper and allied products	38	51	5.6	7.1	4.0	5.2	11.1	11.7
Printing and publishing	79	79	4.8	4.6	4.1	3.6	5.8	6.1
Chemicals and allied products	77	61	6.4	4.9	5.5	3.8	8.5	7.2
Rubber and miscellaneous plastics products	90	54	11.5	7.1	8.0	6.3	17.6	8.5
Other nondurable goods industries	60	44	10.8	8.8	11.0	7.3	10.8	11.4
Transportation and public utilities	359	307	6.3	5.0	6.9	5.5	4.6	3.7
Transportation	280	217	7.2	5.2	7.9	5.6	4.5	4.0
Communications and other public utilities	79	90	3.1	3.3	2.9	3.6	3.6	2.8
Wholesale and retail trade	1,905	1,627	8.9	7.4	8.1	6.3	9.8	8.6
Wholesale trade	269	223	6.5	5.5	5.8	4.7	8.4	7.4
Retail trade	1,636	1,404	9.5	7.8	9.0	6.8	9.9	8.7
Finance, insurance, and real estate	256	217	4.2	3.5	4.3	4.1	4.1	3.2
Service industries	1,518	1,379	7.3	6.4	8.1	6.8	6.7	6.1
Professional services	573	504	4.8	4.1	4.6	3.7	4.9	4.2
Other service industries	945	875	10.4	9.4	10.8	9.4	10.0	9.5
Agricultural wage and salary workers	300	220	17.7	12.9	16.6	11.3	22.0	20.0
Government, self-employed, and unpaid family workers	951	829	3.6	3.1	3.6	3.0	3.5	3.3
No previous work experience	1,055	900	-	-	-	-	-	-

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

(Numbers in thousands)

Reason for unemployment	Total unemployed		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years		White		Black	
	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984
NUMBER OF UNEMPLOYED												
Total unemployed	9,129	7,869	4,365	3,552	3,180	2,980	1,584	1,337	6,912	5,865	1,950	1,754
Job losers	5,007	3,971	3,281	2,471	1,399	1,200	327	300	3,918	3,048	1,039	922
On layoff	1,228	981	793	598	378	322	57	61	1,010	835	190	123
Other job losers	3,779	2,990	2,488	1,873	1,021	878	270	239	2,908	2,213	848	800
Job leavers	874	901	341	368	398	410	135	123	753	730	14	15
Reentrants	2,193	2,100	599	609	1,178	1,147	416	344	1,547	1,522	556	512
New entrants	1,055	896	144	104	205	223	706	569	694	565	342	305
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	54.8	50.5	75.2	69.5	44.0	40.3	20.7	22.5	56.7	51.9	53.3	52.6
On layoff	13.4	12.5	18.2	16.8	11.9	10.8	3.6	4.6	14.6	14.2	9.8	7.0
Other job losers	41.4	38.0	57.0	52.7	32.1	29.5	17.1	17.9	42.1	37.7	43.5	45.6
Job leavers	9.6	11.5	7.8	10.4	12.5	13.8	8.5	9.2	10.9	12.4	.7	.8
Reentrants	24.0	26.7	13.7	17.2	37.0	38.5	26.3	25.7	22.4	26.0	28.5	29.2
New entrants	11.6	11.4	3.3	2.9	6.4	7.5	44.6	42.6	10.0	9.6	17.5	17.4
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE												
Job losers	4.5	3.5	5.5	4.1	3.0	2.6	4.2	4.0	4.0	3.0	9.0	7.5
Job leavers .....	.8	.8	.6	.6	.9	.9	1.8	1.7	.8	.7	.1	.1
Reentrants	2.0	1.8	1.0	1.0	2.6	2.5	5.4	4.6	1.6	1.5	4.8	4.2
New entrants .....	.9	.8	.2	.2	.5	.5	9.2	7.7	.7	.6	3.0	2.5

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Reason, sex, and age	November 1984						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over	7,869	100.0	42.2	29.9	27.9	11.5	16.5
Job losers	3,971	100.0	37.7	29.4	33.0	11.8	21.1
On layoff	981	100.0	59.0	25.4	15.5	7.0	8.5
Other job losers	2,990	100.0	30.7	30.6	38.7	13.4	25.3
Job leavers	901	100.0	46.9	31.3	21.7	10.3	11.4
Reentrants	2,100	100.0	47.8	31.5	20.7	9.5	11.3
New entrants	896	100.0	44.5	26.9	28.6	15.5	13.1
Men, 20 years and over	3,552	100.0	36.9	28.5	34.6	12.1	22.4
Job losers	2,471	100.0	36.6	28.3	35.1	10.8	24.3
On layoff	598	100.0	58.4	24.8	16.8	8.2	8.6
Other job losers	1,873	100.0	29.7	29.4	40.9	11.6	29.3
Job leavers	368	100.0	44.5	28.5	26.9	14.6	12.3
Reentrants	609	100.0	34.0	30.1	35.8	15.9	20.0
New entrants	104	100.0	34.5	24.0	41.5	12.9	28.6
Women, 20 years and over	2,980	100.0	42.9	31.5	25.6	11.0	14.6
Job losers	1,200	100.0	33.8	32.6	33.7	15.0	18.6
On layoff	322	100.0	56.6	28.5	14.9	5.3	9.6
Other job losers	878	100.0	25.4	34.1	40.5	18.6	21.9
Job leavers	410	100.0	45.7	32.9	21.4	8.0	13.4
Reentrants	1,147	100.0	51.8	31.4	16.9	7.5	9.3
New entrants	223	100.0	40.9	24.0	35.1	13.0	22.1
Both sexes, 16 to 19 years	1,337	100.0	54.7	29.8	15.4	10.7	4.7
Job losers	300	100.0	61.9	25.3	12.7	7.8	5.0
On layoff	61	100.0	(¹)	(¹)	(¹)	(¹)	(¹)
Other job losers	239	100.0	57.9	27.7	14.4	8.6	5.8
Job leavers	123	100.0	58.3	34.6	7.1	5.5	1.7
Reentrants	344	100.0	58.9	34.1	7.0	4.8	2.2
New entrants	569	100.0	47.7	28.6	23.8	17.0	6.8

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

A-16. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984
Total, 16 years and over	9,129	7,869	100.0	100.0	7,430	6,334	100.0	100.0
Less than 5 weeks	3,287	3,321	36.0	42.2	2,405	2,408	32.4	38.0
5 to 14 weeks	2,661	2,350	29.1	29.9	2,113	1,916	28.4	30.2
5 to 10 weeks	1,932	1,736	21.2	22.1	1,509	1,395	20.3	22.0
11 to 14 weeks	729	614	8.0	7.8	603	521	8.1	8.2
15 weeks and over	3,181	2,197	34.8	27.9	2,912	2,010	39.2	31.7
15 to 26 weeks	1,211	902	13.3	11.5	1,061	806	14.3	12.7
27 weeks and over	1,970	1,295	21.6	16.5	1,851	1,204	24.9	19.0
27 to 51 weeks	693	413	7.6	5.2	649	379	8.7	6.0
52 weeks and over	1,277	882	14.0	11.2	1,202	824	16.2	13.0
Average (mean) duration, in weeks	19.6	17.0	-	-	21.8	19.0	-	-
Median duration, in weeks	8.9	6.9	-	-	10.2	8.1	-	-

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED

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

Sex, age, race, and marital status	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
								Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984
	November 1984							Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984
Total, 16 years and over	7,869	3,321	2,350	902	1,295	17.0	6.9	36.0	42.2	34.8	27.9
16 to 19 years	1,337	732	399	143	63	9.0	4.6	44.7	54.7	18.9	15.4
20 to 24 years	1,674	735	533	169	237	15.1	6.4	40.6	43.9	29.5	24.2
25 to 34 years	2,180	891	651	250	387	18.2	7.2	35.6	40.9	36.3	29.2
35 to 44 years	1,237	456	373	173	235	19.0	8.3	29.1	36.8	44.9	33.0
45 to 54 years	820	302	236	80	202	21.2	8.8	27.1	36.8	45.7	34.4
55 to 64 years	517	163	141	69	145	25.8	10.3	30.1	31.4	48.0	41.4
65 years and over	104	43	18	17	27	27.2	9.5	28.0	40.8	45.3	42.1
Men, 16 years and over	4,315	1,746	1,236	504	829	19.4	7.5	30.8	40.5	40.9	30.9
16 to 19 years	762	434	223	73	32	8.5	4.4	41.6	57.0	21.6	13.8
20 to 24 years	902	387	272	99	145	16.4	7.0	35.7	42.9	32.8	27.0
25 to 34 years	1,195	429	368	141	257	21.8	8.3	29.4	35.9	44.5	33.3
35 to 44 years	632	225	169	92	147	22.6	9.7	25.6	35.7	51.2	37.7
45 to 54 years	442	151	123	38	130	24.8	9.4	21.0	34.1	51.4	38.0
55 to 64 years	322	99	73	48	101	29.4	12.9	23.1	30.7	56.4	46.4
65 years and over	60	21	8	13	18	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	3,554	1,575	1,115	399	466	14.1	6.4	42.9	44.3	26.8	24.3
16 to 19 years	574	297	176	70	31	9.7	4.8	48.5	51.8	15.6	17.7
20 to 24 years	772	349	261	70	92	13.5	6.0	47.0	45.2	25.2	21.0
25 to 34 years	984	462	283	110	130	13.8	5.9	43.7	46.9	25.3	24.3
35 to 44 years	604	230	204	82	88	15.3	7.2	33.6	38.1	36.4	28.1
45 to 54 years	379	152	113	42	72	17.1	8.0	36.0	40.0	37.1	30.1
55 to 64 years	196	64	67	21	43	20.0	9.1	42.1	32.5	33.7	33.1
65 years and over	45	22	10	3	9	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	5,865	2,535	1,764	635	931	16.5	6.6	37.4	43.2	33.9	26.7
Men	3,298	1,365	932	386	615	18.9	7.2	32.1	41.4	39.5	30.4
Women	2,567	1,170	832	250	315	13.5	6.0	45.0	45.6	26.0	22.0
Black, 16 years and over	1,754	672	526	218	338	19.2	6.9	30.1	38.3	39.2	31.7
Men	862	313	267	86	196	22.4	7.4	24.9	36.3	47.1	32.7
Women	892	359	259	132	142	16.1	6.3	35.6	40.2	30.9	30.7
Men, 16 years and over:											
Married, spouse present	1,722	628	476	211	407	22.5	8.8	28.2	36.5	46.8	35.9
Widowed, divorced, or separated	506	187	124	65	130	23.7	9.1	23.6	37.1	51.9	38.4
Single (never married)	2,087	931	636	228	293	15.8	6.3	34.8	44.6	33.1	24.9
Women, 16 years and over:											
Married, spouse present	1,484	706	454	164	159	12.3	5.6	44.8	47.6	26.6	21.8
Widowed, divorced, or separated	756	296	243	66	150	18.0	7.9	35.7	39.2	32.7	28.6
Single (never married)	1,315	572	417	169	157	13.9	6.5	44.9	43.5	23.7	24.8

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

Occupation and industry	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
								Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984
	November 1984										
OCCUPATION											
Managerial and professional specialty	626	252	201	80	93	15.3	7.4	32.9	40.2	42.3	27.6
Technical, sales, and administrative support	1,598	667	503	168	260	16.2	6.9	37.2	41.7	31.6	26.8
Service occupations	1,361	616	456	120	170	14.7	6.2	36.4	45.2	30.2	21.3
Precision production, craft, and repair	940	422	266	113	138	15.7	6.4	34.2	44.9	41.0	26.8
Operators, fabricators, and laborers	2,053	768	554	256	475	21.8	8.6	32.6	37.4	40.3	35.6
Farming, forestry, and fishing	320	170	101	18	32	11.0	4.7	46.5	53.0	24.9	15.4
INDUSTRY¹											
Agriculture	220	124	62	8	26	11.4	4.4	50.4	56.5	23.5	15.4
Construction	759	377	223	66	93	13.1	5.1	36.8	49.6	34.9	20.9
Manufacturing	1,579	584	421	209	365	22.5	8.5	27.1	37.0	47.1	36.3
Durable goods	932	324	234	127	247	25.7	9.2	23.4	34.7	52.3	40.2
Nondurable goods	647	260	188	81	117	17.9	7.8	33.0	40.2	39.0	30.7
Transportation and public utilities	347	113	116	43	75	19.0	9.5	29.0	32.6	41.1	34.0
Wholesale and retail trade	1,646	747	505	174	220	15.3	6.2	40.8	45.4	30.1	23.9
Finance and service industries	1,899	766	617	214	301	16.0	7.3	36.8	40.3	32.2	27.1
Public administration	257	107	96	16	38	15.3	7.0	28.9	41.8	34.4	20.9
No previous work experience	900	403	241	139	117	15.8	6.4	41.8	44.7	27.0	28.5

¹ Includes wage and salary workers only.

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

Sex, age, and race	November 1984								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	7,869	6,712	24.5	5.9	76.6	34.8	16.9	4.5	1.63
16 to 19 years	1,337	1,252	14.5	3.7	82.6	24.8	13.7	2.9	1.42
20 to 24 years	1,674	1,464	26.4	5.8	77.6	38.1	14.5	3.5	1.66
25 to 34 years	2,180	1,786	28.7	5.8	75.9	36.3	17.6	3.6	1.68
35 to 44 years	1,237	1,019	28.4	7.2	73.9	35.7	19.1	6.5	1.71
45 to 54 years	820	670	28.1	7.3	71.9	41.3	17.6	6.1	1.72
55 to 64 years	517	435	20.2	8.3	77.2	35.4	23.9	8.5	1.74
65 years and over	104	86	-	9.3	53.5	30.2	25.6	8.1	1.27
Men, 16 years and over	4,315	3,582	27.5	5.9	77.0	32.4	19.5	5.4	1.68
16 to 19 years	762	708	14.4	2.7	84.6	18.9	14.5	3.7	1.39
20 to 24 years	902	772	29.8	6.0	77.6	36.4	18.1	2.6	1.70
25 to 34 years	1,195	935	33.5	7.1	76.7	35.5	21.0	4.5	1.78
35 to 44 years	632	500	32.2	6.0	73.6	34.8	23.6	8.2	1.78
45 to 54 years	442	349	33.5	5.7	69.1	40.7	18.9	8.9	1.77
55 to 64 years	322	274	22.3	9.1	75.5	30.7	24.8	10.9	1.73
65 years and over	60	45	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	3,554	3,130	21.1	6.0	76.2	37.7	14.0	3.4	1.58
16 to 19 years	574	545	14.7	5.0	79.8	32.7	12.7	1.8	1.47
20 to 24 years	772	692	22.7	5.6	77.7	40.0	10.5	4.5	1.61
25 to 34 years	984	852	23.4	4.3	75.0	37.1	13.8	2.7	1.56
35 to 44 years	604	519	24.7	8.3	74.2	36.6	14.8	4.8	1.63
45 to 54 years	379	321	22.1	9.0	75.1	42.1	16.5	3.1	1.68
55 to 64 years	196	161	16.8	6.8	80.1	43.5	22.4	4.3	1.74
65 years and over	45	41	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	5,865	4,862	23.3	5.9	77.0	36.9	17.8	5.1	1.66
Men	3,298	2,657	26.2	5.3	77.9	34.1	20.5	6.1	1.70
Women	2,567	2,205	19.8	6.5	75.9	40.2	14.6	3.8	1.61
Black, 16 years and over	1,754	1,628	27.1	6.1	75.4	29.0	12.7	2.8	1.53
Men	862	787	30.6	7.6	73.4	26.4	15.6	3.0	1.57
Women	892	841	23.9	4.6	77.2	31.4	10.0	2.5	1.50

¹ Data not shown where base is less than 75,000.
NOTE: The jobseekers total is less than the total unemployed because persons on layoff or waiting to begin a new job within 30 days are not actually seeking jobs. It should also be noted that the percent using each method will always total more than 100 because many jobseekers use more than one method.

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

Sex and reason	November 1984								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	7,869	6,712	24.5	5.9	76.6	34.8	16.9	4.5	1.63
Job losers ¹	3,971	2,980	31.8	6.4	78.6	35.7	20.1	4.2	1.77
Job leavers	901	877	23.7	7.8	75.7	40.7	18.2	2.5	1.69
Reentrants	2,100	1,972	16.7	5.7	71.3	33.0	12.7	6.3	1.46
New entrants	896	883	18.2	3.3	82.9	30.4	14.6	3.6	1.53
Men, 16 years and over	4,315	3,582	27.5	5.9	77.0	32.4	19.5	5.4	1.68
Job losers ¹	2,671	2,023	33.5	6.1	78.5	32.8	20.5	5.2	1.77
Job leavers	434	409	24.0	6.4	72.6	39.6	22.2	2.9	1.68
Reentrants	803	748	19.5	6.3	69.1	29.3	17.6	8.8	1.51
New entrants	406	402	15.7	3.5	88.3	28.1	15.4	2.7	1.54
Women, 16 years and over	3,554	3,130	21.1	6.0	76.2	37.7	14.0	3.4	1.58
Job losers ¹	1,300	957	28.2	6.9	78.6	41.6	19.4	1.9	1.77
Job leavers	467	468	23.5	8.8	78.4	41.7	14.7	2.1	1.69
Reentrants	1,297	1,224	15.0	5.5	72.7	35.3	9.6	4.7	1.43
New entrants	490	481	20.4	2.9	78.4	32.2	13.9	4.4	1.52

¹ Data on the number of jobseekers and the jobsearch methods used exclude persons on layoff.
NOTE: The jobseeker total is less than the total unemployed because it does not include persons on layoff or waiting to begin a new job within 30 days, groups for whom jobseeking information is not collected. The percent using each method will always total more than 100 because many jobseekers use more than one method.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry and age	Total		Men		Women	
	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984
All industries	103,018	106,246	57,789	59,511	45,229	46,736
16 to 19 years	6,093	6,088	3,158	3,109	2,935	2,979
16 to 17 years	2,178	2,264	1,102	1,137	1,076	1,127
18 to 19 years	3,915	3,824	2,056	1,972	1,859	1,852
20 to 24 years	13,942	14,326	7,326	7,559	6,616	6,767
25 to 54 years	68,503	71,527	38,699	40,442	29,803	31,086
25 to 34 years	29,712	30,938	16,677	17,426	13,036	13,512
35 to 44 years	22,789	24,267	12,856	13,616	9,933	10,651
45 to 54 years	16,001	16,323	9,167	9,399	6,834	6,923
55 to 64 years	11,481	11,457	6,789	6,724	4,692	4,733
55 to 59 years	6,996	6,904	4,139	4,060	2,857	2,844
60 to 64 years	4,485	4,553	2,650	2,664	1,835	1,889
65 years and over	3,000	2,848	1,817	1,677	1,183	1,171
Agriculture	3,152	3,227	2,524	2,646	629	581
16 to 19 years	215	263	182	222	33	41
16 to 17 years	85	117	76	95	9	23
18 to 19 years	130	145	106	127	24	18
20 to 24 years	392	360	328	311	63	48
25 to 54 years	1,756	1,848	1,372	1,472	382	376
25 to 34 years	719	718	591	603	128	115
35 to 44 years	577	582	440	437	136	146
45 to 54 years	459	548	341	432	118	116
55 to 64 years	502	486	392	403	110	83
55 to 59 years	284	243	211	196	74	47
60 to 64 years	217	244	181	207	36	37
65 years and over	289	270	249	238	40	32
Nonagricultural industries	99,866	103,019	55,265	56,865	44,600	46,155
16 to 19 years	5,879	5,825	2,976	2,887	2,902	2,938
16 to 17 years	2,093	2,146	1,026	1,042	1,067	1,104
18 to 19 years	3,785	3,679	1,950	1,845	1,836	1,834
20 to 24 years	13,550	13,966	6,998	7,248	6,552	6,718
25 to 54 years	66,747	69,679	37,327	38,970	29,421	30,709
25 to 34 years	28,993	30,220	16,086	16,823	12,907	13,396
35 to 44 years	22,213	23,685	12,416	13,180	9,797	10,505
45 to 54 years	15,541	15,774	8,825	8,967	6,716	6,808
55 to 64 years	10,979	10,971	6,397	6,321	4,582	4,650
55 to 59 years	6,712	6,661	3,928	3,864	2,783	2,797
60 to 64 years	4,267	4,310	2,469	2,457	1,798	1,853
65 years and over	2,711	2,578	1,568	1,439	1,143	1,139

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Occupation	Total		Men				Women			
	16 years and over		16 years and over		20 years and over		16 years and over		20 years and over	
	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984	Nov. 1983	Nov. 1984
Total	103,018	106,246	57,789	59,511	54,531	56,402	45,229	46,736	42,294	43,756
Managerial and professional specialty	24,166	25,264	14,178	14,765	14,093	14,672	9,988	10,499	9,911	10,407
Executive, administrative, and managerial	10,951	11,720	7,403	7,769	7,372	7,725	3,549	3,951	3,529	3,928
Officials and administrators, public administration	473	503	327	327	327	327	146	176	146	176
Other executive, administrative, and managerial	7,552	7,985	5,361	5,576	5,331	5,536	2,191	2,409	2,182	2,388
Management-related occupations	2,926	3,231	1,714	1,866	1,714	1,863	1,212	1,366	1,201	1,364
Professional specialty	13,214	13,543	6,775	6,996	6,720	6,947	6,439	6,548	6,382	6,479
Engineers	1,587	1,602	1,487	1,492	1,487	1,492	99	110	98	108
Mathematical and computer scientists	435	520	311	377	312	376	124	143	124	142
Natural scientists	330	304	253	240	251	240	76	64	76	65
Health diagnosing occupations	706	757	606	658	606	658	101	99	100	95
Health assessment and treating occupations	1,909	2,027	300	287	299	287	1,609	1,740	1,606	1,740
Teachers, college and university	649	690	409	460	408	459	240	231	233	229
Teachers, except college and university	3,578	3,532	1,063	1,020	1,046	1,004	2,515	2,512	2,484	2,483
Lawyers and judges	655	644	543	526	542	526	112	118	112	117
Other professional specialty occupations	3,366	3,468	1,803	1,936	1,770	1,906	1,563	1,532	1,549	1,500
Technical, sales, and administrative support	31,691	32,921	11,137	11,515	10,596	10,958	20,555	21,407	19,060	19,854
Technicians and related support	3,047	3,111	1,589	1,616	1,562	1,590	1,458	1,495	1,429	1,477
Health technologists and technicians	1,113	1,146	181	213	167	211	932	933	914	925
Engineering and science technicians	1,011	1,064	811	854	803	840	200	211	197	204
Technicians, except health, engineering, and science	923	901	596	550	591	540	326	351	318	348
Sales occupations	12,017	12,930	6,182	6,543	5,837	6,171	5,835	6,387	5,042	5,445
Supervisors and proprietors	2,969	3,385	2,139	2,348	2,122	2,327	830	1,037	814	1,026
Sales representatives, finance and business services	1,891	1,959	1,160	1,187	1,156	1,177	732	772	725	756
Sales representatives, commodities, except retail	1,402	1,452	1,162	1,183	1,152	1,172	240	269	236	265
Sales workers, retail and personal services	5,687	6,075	1,688	1,807	1,377	1,477	3,999	4,268	3,235	3,361
Sales-related occupations	68	59	34	18	30	18	34	41	32	39
Administrative support, including clerical	16,627	16,880	3,365	3,356	3,197	3,197	13,262	13,525	12,588	12,932
Supervisors	667	641	295	299	295	299	371	342	371	342
Computer equipment operators	696	724	262	235	254	231	434	490	409	483
Secretaries, stenographers, and typists	4,942	5,060	87	154	79	145	4,855	4,906	4,604	4,689
Financial records processing	2,470	2,441	273	223	270	215	2,197	2,218	2,127	2,170
Mail and message distributing	832	808	567	564	532	537	265	244	253	241
Other administrative support, including clerical	7,021	7,206	1,881	1,882	1,768	1,769	5,140	5,324	4,824	5,007
Service occupations	14,141	14,162	5,557	5,543	4,667	4,710	8,584	8,620	7,528	7,620
Private household	990	1,005	33	48	19	42	957	957	742	779
Protective service	1,706	1,741	1,497	1,522	1,474	1,491	209	219	199	199
Service, except private household and protective	11,444	11,416	4,027	3,973	3,174	3,177	7,418	7,443	6,587	6,642
Food service	5,042	4,881	1,853	1,751	1,222	1,158	3,189	3,130	2,587	2,540
Health service	1,764	1,679	164	154	161	149	1,600	1,525	1,503	1,445
Cleaning and building service	2,700	2,837	1,656	1,709	1,459	1,543	1,044	1,127	989	1,074
Personal service	1,939	2,020	354	359	332	326	1,585	1,661	1,507	1,583
Precision production, craft, and repair	12,956	13,230	11,799	12,124	11,458	11,790	1,157	1,106	1,117	1,071
Mechanics and repairers	4,276	4,410	4,132	4,284	4,042	4,164	144	126	141	123
Construction trades	4,668	4,740	4,574	4,653	4,381	4,508	95	87	89	80
Other precision production, craft, and repair	4,012	4,081	3,093	3,187	3,035	3,117	919	894	887	868
Operators, fabricators, and laborers	16,723	17,187	12,317	12,574	11,263	11,550	4,406	4,613	4,178	4,357
Machine operators, assemblers, and inspectors	8,109	8,222	4,736	4,848	4,534	4,665	3,373	3,375	3,268	3,248
Manufacturing industries	6,766	6,888	3,873	3,997	3,733	3,864	2,894	2,891	2,815	2,793
Durable goods	3,711	3,827	2,567	2,633	2,494	2,545	1,144	1,195	1,116	1,145
Nondurable goods	3,056	3,061	1,306	1,365	1,240	1,318	1,750	1,697	1,699	1,649
Nonmanufacturing industries	1,343	1,334	864	851	801	801	479	484	452	455
Transportation and material moving occupations	4,342	4,561	4,005	4,170	3,883	4,034	337	390	321	381
Motor vehicle operators	3,084	3,299	2,808	2,965	2,709	2,855	276	335	262	326
Other transportation and material moving occupations	1,258	1,261	1,197	1,206	1,174	1,179	61	55	59	55
Handlers, equipment cleaners, helpers, and laborers	4,272	4,404	3,576	3,556	2,847	2,851	696	848	590	727
Construction laborers	665	616	659	597	589	542	6	19	6	18
Other handlers, equipment cleaners, helpers, and laborers	3,608	3,788	2,917	2,959	2,258	2,309	690	829	584	709
Farming, forestry, and fishing	3,342	3,482	2,802	2,990	2,554	2,722	540	492	500	448
Farm operators and managers	1,446	1,483	1,244	1,313	1,230	1,288	202	169	198	166
Other farming, forestry, and fishing occupations	1,897	1,999	1,558	1,677	1,325	1,434	339	323	302	282

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	November 1983	November 1984	November 1983	November 1984	November 1983	November 1984
TOTAL						
Total, 16 years and over (thousands)	103,018	106,246	57,789	59,511	45,229	46,736
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	23.5	23.8	24.5	24.8	22.1	22.5
Executive, administrative, and managerial	10.6	11.0	12.8	13.1	7.8	8.5
Professional specialty	12.8	12.7	11.7	11.8	14.2	14.0
Technical, sales, and administrative support	30.8	31.0	19.3	19.3	45.4	45.8
Technicians and related support	3.0	2.9	2.7	2.7	3.2	3.2
Sales occupations	11.7	12.2	10.7	11.0	12.9	13.7
Administrative support, including clerical	16.1	15.9	5.8	5.6	29.3	28.9
Service occupations	13.7	13.3	9.6	9.3	19.0	18.4
Private household	1.0	.9	.1	.1	2.1	2.0
Protective service	1.7	1.6	2.6	2.6	.5	.5
Service, except private household and protective	11.1	10.7	7.0	6.7	16.4	15.9
Precision production, craft, and repair	12.6	12.5	20.4	20.4	2.6	2.4
Operators, fabricators, and laborers	16.2	16.2	21.3	21.1	9.7	9.9
Machine operators, assemblers, and inspectors	7.9	7.7	8.2	8.1	7.5	7.2
Transportation and material moving occupations	4.2	4.3	6.9	7.0	.7	.8
Handlers, equipment cleaners, helpers, and laborers	4.1	4.1	6.2	6.0	1.5	1.8
Farming, forestry, and fishing	3.2	3.3	4.8	5.0	1.2	1.1
White						
Total, 16 years and over (thousands)	90,793	92,825	51,379	52,591	39,414	40,234
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	24.4	24.8	25.7	25.9	22.9	23.3
Executive, administrative, and managerial	11.2	11.6	13.5	13.7	8.3	8.8
Professional specialty	13.2	13.2	12.2	12.2	14.6	14.4
Technical, sales, and administrative support	31.5	31.6	19.8	19.7	46.8	47.2
Technicians and related support	2.9	2.9	2.8	2.7	3.1	3.1
Sales occupations	12.3	12.8	11.4	11.7	13.6	14.3
Administrative support, including clerical	16.2	15.9	5.6	5.3	30.1	29.7
Service occupations	12.5	12.1	8.7	8.3	17.4	17.0
Private household .....	.8	.7	(¹)	.1	1.7	1.6
Protective service	1.6	1.6	2.5	2.5	.4	.4
Service, except private household and protective	10.2	9.8	6.2	5.8	15.3	15.0
Precision production, craft, and repair	13.0	12.9	21.0	21.0	2.5	2.2
Operators, fabricators, and laborers	15.3	15.3	20.0	20.0	9.1	9.1
Machine operators, assemblers, and inspectors	7.3	7.2	7.7	7.7	6.9	6.6
Transportation and material moving occupations	4.1	4.2	6.6	6.8	.7	.8
Handlers, equipment cleaners, helpers, and laborers	3.9	3.9	5.7	5.6	1.5	1.7
Farming, forestry, and fishing	3.3	3.4	4.9	5.0	1.3	1.2
Black						
Total, 16 years and over (thousands)	9,629	10,479	4,958	5,301	4,671	5,178
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	13.6	14.3	11.9	12.6	15.4	16.1
Executive, administrative, and managerial	5.2	6.2	5.9	7.0	4.5	5.4
Professional specialty	8.4	8.1	5.9	5.6	10.9	10.7
Technical, sales, and administrative support	25.1	25.8	14.3	15.3	36.5	36.6
Technicians and related support	2.7	2.7	1.6	1.8	3.8	3.6
Sales occupations	5.9	6.7	4.4	4.5	7.4	9.1
Administrative support, including clerical	16.6	16.4	8.3	9.0	25.3	23.9
Service occupations	24.3	23.5	17.6	17.6	31.4	29.5
Private household	3.0	3.1	.2	.2	6.1	6.0
Protective service	2.6	2.4	4.3	4.0	.9	.8
Service, except private household and protective	18.7	18.0	13.2	13.5	24.5	22.7
Precision production, craft, and repair	9.5	9.5	16.3	16.1	2.2	2.8
Operators, fabricators, and laborers	25.1	24.0	35.5	33.1	14.1	14.6
Machine operators, assemblers, and inspectors	12.3	12.0	13.2	12.8	11.3	11.1
Transportation and material moving occupations	6.0	5.7	10.7	10.2	.9	1.0
Handlers, equipment cleaners, helpers, and laborers	6.9	6.3	11.6	10.1	1.9	2.5
Farming, forestry, and fishing	2.4	2.9	4.4	5.3	.3	.4

¹ Less than 0.05 percent.

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

(In thousands)

Age and sex	November 1984								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self-employed workers	Unpaid family workers	Wage and salary workers	Self-employed workers	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	94,931	1,231	15,918	77,782	7,731	358	1,482	1,555	190
16 to 19 years	5,707	207	295	5,205	96	23	201	21	40
16 to 17 years	2,105	150	95	1,860	29	12	88	6	23
18 to 19 years	3,601	57	200	3,344	67	11	113	15	16
20 to 24 years	13,603	152	1,291	12,160	328	35	254	90	15
25 to 34 years	28,108	179	4,445	23,484	2,053	59	408	287	23
35 to 44 years	21,546	189	4,451	16,906	2,039	100	269	282	31
45 to 54 years	14,205	152	3,009	11,044	1,495	75	176	339	32
55 to 64 years	9,750	218	2,079	7,452	1,178	43	122	333	32
55 to 59 years	5,953	110	1,309	4,534	677	31	60	167	16
60 to 64 years	3,797	108	770	2,918	501	12	62	165	16
65 years and over	2,012	134	348	1,531	542	23	51	204	16
Men, 16 years and over	51,764	139	7,887	43,738	5,055	46	1,229	1,356	61
16 to 19 years	2,795	26	107	2,663	74	18	169	21	32
16 to 17 years	1,010	24	28	959	22	10	70	6	19
18 to 19 years	1,785	2	79	1,704	52	8	99	15	13
20 to 24 years	7,023	27	613	6,383	212	13	219	77	15
25 to 34 years	15,548	31	2,156	13,362	1,270	5	346	254	2
35 to 44 years	11,842	18	2,210	9,614	1,339	-	204	232	-
45 to 54 years	7,993	13	1,572	6,408	970	4	136	295	2
55 to 64 years	5,497	6	1,052	4,439	823	1	104	296	3
55 to 59 years	3,390	7	673	2,710	472	1	52	142	2
60 to 64 years	2,107	-	379	1,729	351	-	52	154	1
65 years and over	1,065	18	178	869	367	7	50	181	7
Women, 16 years and over	43,167	1,092	8,031	34,044	2,676	312	253	199	129
16 to 19 years	2,911	182	188	2,542	22	5	33	-	8
16 to 17 years	1,096	127	67	902	7	2	18	-	4
18 to 19 years	1,816	55	121	1,640	15	4	15	-	3
20 to 24 years	6,580	125	677	5,778	116	22	35	13	-
25 to 34 years	12,560	148	2,290	10,122	783	54	62	33	21
35 to 44 years	9,704	170	2,242	7,292	699	102	65	49	32
45 to 54 years	6,212	139	1,437	4,636	525	70	41	45	30
55 to 64 years	4,253	212	1,027	3,013	354	43	18	36	29
55 to 59 years	2,563	103	636	1,824	205	30	8	25	14
60 to 64 years	1,690	109	392	1,189	150	13	9	12	16
65 years and over	947	116	170	661	175	16	-	22	9

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-25. Employed civilians by industry and occupation

(In thousands)

Industry	November 1984												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service ¹		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture	3,227	36	60	17	14	108	-	10	46	3	49	22	2,863
Mining	900	144	96	38	9	107	-	11	253	34	162	43	3
Construction	6,732	759	116	50	69	437	-	58	3,856	123	535	716	13
Manufacturing	21,326	2,307	1,631	775	748	2,546	-	352	4,073	6,888	873	1,035	97
Durable goods	12,861	1,402	1,150	551	305	1,463	-	196	2,903	3,827	497	480	88
Nondurable goods	8,464	905	482	223	443	1,083	-	158	1,170	3,061	376	554	9
Transportation and public utilities	7,499	707	417	186	269	2,040	-	244	1,372	133	1,670	440	21
Wholesale and retail trade	22,517	1,747	424	84	9,592	2,210	-	4,034	1,538	297	793	1,765	33
Wholesale trade	4,189	428	58	44	1,645	769	-	48	321	122	412	330	12
Retail trade	18,328	1,320	365	40	7,947	1,440	-	3,986	1,217	175	381	1,436	22
Finance, insurance, and real estate	6,642	1,569	141	99	1,593	2,714	-	293	123	25	18	15	54
Services	32,534	3,312	10,056	1,676	606	5,411	1,005	6,956	1,740	684	402	329	358
Private households	1,238	3	16	14	1	14	1,005	87	-	-	2	23	73
Other service industries	31,296	3,309	10,040	1,662	605	5,397	-	6,869	1,740	684	400	306	284
Professional services	21,583	1,916	9,087	1,411	135	4,012	-	4,026	394	185	239	96	80
Public administration	4,870	1,140	603	187	31	1,307	-	1,197	230	35	59	39	41

¹ Includes protective service, not shown separately.

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

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
	Nov. 1983	Nov. 1984	Total		Wage and salary workers ¹			
			Nov. 1983	Nov. 1984	Paid absences		Unpaid absences	
	Nov. 1983	Nov. 1984			Nov. 1983	Nov. 1984		
Total, 16 years and over	3,639	3,995	3,510	3,875	1,634	1,820	1,417	1,461
Vacation	1,386	1,640	1,359	1,601	987	1,121	250	293
Illness	1,238	1,230	1,207	1,204	492	453	629	604
Bad weather	94	86	54	59	(²)	(²)	(²)	(²)
Industrial dispute	48	27	48	27	(²)	(²)	(²)	(²)
All other reasons	873	1,012	842	984	155	245	538	564
Men, 16 years and over	2,041	2,129	1,934	2,032	1,039	991	625	683
Vacation	862	971	842	939	661	665	110	142
Illness	675	629	651	607	312	235	297	301
All other reasons ³	504	530	440	486	66	91	218	239
Women, 16 years and over	1,598	1,866	1,576	1,842	595	830	793	778
Vacation	524	669	517	662	326	456	140	150
Illness	563	602	556	597	180	219	332	302
All other reasons ³	511	596	504	584	90	155	320	325

¹ Excludes private household workers.

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

³ Includes bad weather and industrial dispute, not shown separately.

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

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

Hours of work	November 1984					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over	102,251	3,106	99,145	100.0	100.0	100.0
1 to 34 hours	28,729	874	27,854	28.1	28.1	28.1
1 to 4 hours	849	31	818	.8	1.0	.8
5 to 14 hours	4,638	213	4,424	4.5	6.9	4.5
15 to 29 hours	13,035	437	12,598	12.7	14.1	12.7
30 to 34 hours	10,207	193	10,014	10.0	6.2	10.1
35 hours and over	73,522	2,232	71,290	71.9	71.9	71.9
35 to 39 hours	6,687	139	6,548	6.5	4.5	6.6
40 hours	39,754	633	39,121	38.9	20.4	39.5
41 hours and over	27,081	1,460	25,621	26.5	47.0	25.8
41 to 48 hours	10,023	206	9,817	9.8	6.6	9.9
49 to 59 hours	9,824	443	9,381	9.6	14.3	9.5
60 hours and over	7,234	811	6,423	7.1	26.1	6.5
Average hours, total at work	38.4	44.4	38.1	-	-	-
Average hours, workers on full-time schedules	42.8	51.6	42.6	-	-	-

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

(Numbers in thousands)

Reason for working less than 35 hours	November 1984					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over	28,729	10,596	18,133	27,854	10,286	17,569
Economic reasons	5,508	1,659	3,849	5,264	1,551	3,713
Slack work	2,516	1,348	1,168	2,335	1,249	1,086
Material shortages or repairs to plant and equipment	89	89	-	89	89	-
New job started during week	123	123	-	119	119	-
Job terminated during week	99	99	-	94	94	-
Could find only part-time work	2,682	-	2,682	2,628	-	2,628
Other reasons	23,221	8,937	14,284	22,590	8,735	13,855
Does not want, or unavailable for, full-time work	12,043	-	12,043	11,694	-	11,694
Vacation	1,275	1,275	-	1,254	1,254	-
Illness	1,445	1,299	146	1,428	1,287	141
Bad weather	366	366	-	289	289	-
Industrial dispute	13	13	-	13	13	-
Legal or religious holiday	4,533	4,533	-	4,527	4,527	-
Full time for this job	1,572	-	1,572	1,528	-	1,528
All other reasons	1,974	1,452	522	1,858	1,366	492
Average hours:						
Economic reasons	21.9	24.7	20.7	22.0	24.9	20.8
Other reasons	22.3	28.1	18.7	22.4	28.2	18.8
Worked 30 to 34 hours:						
Economic reasons	1,693	794	899	1,650	763	887
Other reasons	8,514	6,079	2,435	8,364	5,997	2,367

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Industry	November 1984								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 to 48 hours	49 hours or more			
Total, 16 years and over	99,145	5,264	13,855	80,026	54,405	9,817	15,804	38.1	42.6	
Wage and salary workers	91,594	4,663	12,401	74,530	51,801	9,238	13,491	38.0	42.2	
Mining	828	27	17	784	209	127	248	45.5	46.7	
Construction	5,310	364	224	4,722	3,438	502	782	39.0	41.3	
Manufacturing	20,235	689	645	18,901	12,959	2,833	3,109	41.0	42.3	
Durable goods	12,207	264	258	11,685	7,993	1,774	1,918	41.5	42.3	
Nondurable goods	8,028	426	387	7,215	4,964	1,060	1,191	40.2	42.3	
Transportation and public utilities	6,834	218	363	6,253	4,247	763	1,243	40.9	42.7	
Wholesale and retail trade	19,899	1,536	4,723	13,640	8,521	2,039	3,080	36.2	43.5	
Finance, insurance, and real estate	5,846	153	555	5,138	3,881	479	778	38.4	40.9	
Service industries	27,965	1,606	5,611	20,748	14,891	2,165	3,692	36.0	42.0	
Private households	1,182	231	522	429	271	43	115	26.0	45.4	
All other industries	26,783	1,375	5,089	20,319	14,620	2,122	3,577	36.4	41.9	
Public administration	4,676	70	264	4,342	3,455	330	557	38.2	39.7	
Self-employed workers	7,193	589	1,271	5,333	2,509	561	2,263	39.9	47.6	
Unpaid family workers	358	12	183	163	93	18	52	34.4	47.6	

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

(Numbers in thousands)

Sex, age, race, and marital status	November 1984							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
TOTAL								
Total, 16 years and over	99,145	5,264	13,855	80,026	54,405	25,621	38.1	42.6
16 to 19 years	5,679	537	3,237	1,905	1,474	431	24.9	40.6
16 to 17 years	2,070	77	1,818	175	145	30	16.9	38.4
18 to 19 years	3,608	460	1,419	1,729	1,328	401	29.5	40.9
20 years and over	93,466	4,727	10,619	78,120	52,930	25,190	38.9	42.6
20 to 24 years	13,614	1,117	2,333	10,164	7,344	2,820	36.4	41.8
25 years and over	79,853	3,610	8,286	67,957	45,588	22,369	39.4	42.7
25 to 44 years	51,953	2,427	4,568	44,958	29,607	15,351	39.9	42.9
45 to 64 years	25,487	1,075	2,529	21,883	15,196	6,687	39.4	42.5
65 years and over	2,412	108	1,189	1,115	785	330	28.3	41.9
Men, 16 years and over	54,832	2,263	4,122	48,447	29,679	18,768	41.1	43.9
16 to 19 years	2,810	281	1,495	1,034	747	287	26.2	41.3
16 to 17 years	991	38	833	120	99	21	18.1	36.6
18 to 19 years	1,819	243	662	914	646	268	30.6	42.0
20 years and over	52,022	1,982	2,627	47,413	28,932	18,481	41.9	44.0
20 to 24 years	7,091	534	1,015	5,542	3,667	1,875	38.1	43.0
25 years and over	44,931	1,448	1,612	41,871	25,265	16,606	42.5	44.1
25 to 44 years	29,027	1,015	600	27,412	16,032	11,380	43.2	44.4
45 to 64 years	14,567	389	425	13,753	8,748	5,005	42.4	43.6
65 years and over	1,337	45	588	704	484	220	30.0	42.6
Women, 16 years and over	44,312	3,001	9,733	31,578	24,724	6,854	34.5	40.5
16 to 19 years	2,869	256	1,742	871	728	143	23.7	39.8
16 to 17 years	1,079	39	985	55	46	9	15.8	(¹)
18 to 19 years	1,790	217	757	816	681	135	28.4	39.6
20 years and over	41,444	2,745	7,991	30,708	23,997	6,711	35.3	40.5
20 to 24 years	6,523	583	1,318	4,622	3,677	945	34.5	40.2
25 years and over	34,921	2,163	6,674	26,084	20,320	5,764	35.4	40.5
25 to 44 years	22,927	1,413	3,968	17,546	13,574	3,972	35.8	40.5
45 to 64 years	10,920	686	2,105	8,129	6,445	1,684	35.4	40.5
65 years and over	1,074	64	601	409	299	110	26.4	40.8
RACE								
White, 16 years and over	86,546	4,216	12,610	69,720	46,128	23,592	38.3	42.8
Men	48,437	1,850	3,667	42,920	25,488	17,432	41.3	44.2
Women	38,109	2,366	8,943	26,800	20,639	6,161	34.3	40.6
Black, 16 years and over	9,815	930	915	7,970	6,527	1,443	37.0	40.7
Men	4,880	365	318	4,197	3,261	936	38.9	41.9
Women	4,935	565	597	3,773	3,266	507	35.1	39.4
MARITAL STATUS								
Men, 16 years and over:								
Married, spouse present	36,283	971	1,152	34,160	20,279	13,881	42.9	44.3
Widowed, divorced, or separated	5,019	280	241	4,498	2,755	1,743	41.3	43.7
Single (never married)	13,530	1,012	2,730	9,788	6,642	3,146	36.1	42.7
Women, 16 years and over:								
Married, spouse present	24,895	1,539	5,720	17,636	14,010	3,626	34.4	40.2
Widowed, divorced, or separated	8,367	647	1,063	6,657	5,032	1,625	36.8	40.9
Single (never married)	11,051	814	2,951	7,286	5,684	1,602	33.1	40.6

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Occupation and sex	November 1984								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules	
				Total	40 hours or less	41 to 48 hours			49 hours or more
Total, 16 years and over	98,929	5,246	13,808	79,875	54,229	9,802	15,843	38.2	42.6
Managerial and professional specialty	24,407	469	2,287	21,651	12,860	2,652	6,139	41.3	44.1
Executive, administrative, and managerial	11,324	139	535	10,650	5,939	1,276	3,435	43.4	44.9
Professional specialty	13,083	330	1,751	11,001	6,921	1,376	2,703	39.4	43.4
Technical, sales, and administrative support	31,797	1,391	5,766	24,641	17,750	2,796	4,095	36.8	41.7
Technicians and related support	3,017	79	351	2,587	1,960	319	308	38.2	41.2
Sales occupations	12,479	768	2,728	8,982	5,058	1,173	2,752	38.0	45.0
Administrative support, including clerical	16,301	543	2,686	13,072	10,731	1,305	1,035	35.6	39.5
Service occupations	13,533	1,513	3,924	8,096	6,046	883	1,167	32.6	41.8
Private household	965	186	447	332	199	38	95	25.3	45.5
Protective service	1,633	45	134	1,454	933	210	311	41.5	44.4
Service, except private household and protective	10,935	1,283	3,343	6,309	4,913	635	761	31.9	41.0
Precision production, craft, and repair	12,695	625	474	11,595	7,796	1,637	2,162	40.6	42.5
Operators, fabricators, and laborers	16,496	1,247	1,357	13,892	9,777	1,834	2,280	39.0	42.3
Machine operators, assemblers, and inspectors	7,941	527	296	7,118	5,287	975	855	39.6	41.4
Transportation and material moving occupations	4,312	251	291	3,770	2,215	485	1,070	41.9	44.9
Handlers, equipment cleaners, helpers, and laborers	4,244	469	770	3,004	2,276	373	355	35.0	41.2
Men, 16 years and over	54,529	2,234	4,055	48,240	29,461	6,495	12,284	41.2	44.0
Managerial and professional specialty	14,367	204	678	13,485	7,044	1,732	4,710	44.0	45.7
Executive, administrative, and managerial	7,533	95	204	7,234	3,596	881	2,756	45.1	46.2
Professional specialty	6,834	109	473	6,252	3,448	850	1,953	42.8	45.1
Technical, sales, and administrative support	11,168	266	1,075	9,826	5,606	1,360	2,860	41.6	44.7
Technicians and related support	1,573	20	101	1,452	1,053	182	217	40.0	41.8
Sales occupations	6,352	162	655	5,535	2,555	792	2,188	43.4	47.0
Administrative support, including clerical	3,243	85	320	2,838	1,997	387	454	38.7	41.7
Service occupations	5,305	408	1,042	3,854	2,744	460	651	36.3	42.8
Private household	44	16	13	15	3	2	11	(¹)	(¹)
Protective service	1,425	35	78	1,312	825	191	296	42.7	44.7
Service, except private household and protective	3,835	356	952	2,527	1,916	267	344	34.0	41.8
Precision production, craft, and repair	11,649	563	353	10,733	7,121	1,551	2,060	40.9	42.6
Operators, fabricators, and laborers	12,042	794	907	10,342	6,946	1,393	2,003	39.8	42.9
Machine operators, assemblers, and inspectors	4,677	218	112	4,346	3,043	629	673	40.8	42.2
Transportation and material moving occupations	3,945	204	196	3,545	2,050	467	1,028	42.7	45.1
Handlers, equipment cleaners, helpers, and laborers	3,420	372	598	2,450	1,853	296	302	35.2	41.1
Women, 16 years and over	44,399	3,011	9,753	31,635	24,769	3,307	3,560	34.5	40.5
Managerial and professional specialty	10,040	266	1,609	8,166	5,816	920	1,429	37.3	41.6
Executive, administrative, and managerial	3,791	44	331	3,416	2,343	395	679	40.0	42.1
Professional specialty	6,249	222	1,278	4,750	3,474	526	750	35.7	41.2
Technical, sales, and administrative support	20,630	1,124	4,691	14,815	12,144	1,436	1,235	34.2	39.7
Technicians and related support	1,444	59	251	1,134	907	137	91	36.3	40.4
Sales occupations	6,127	607	2,074	3,447	2,503	381	563	32.4	41.9
Administrative support, including clerical	13,058	458	2,366	10,233	8,734	919	580	34.8	38.9
Service occupations	8,229	1,105	2,882	4,242	3,302	423	516	30.2	40.9
Private household	921	169	434	317	197	36	84	25.1	45.1
Protective service	207	9	56	142	108	19	15	33.3	41.1
Service, except private household and protective	7,100	927	2,391	3,782	2,997	368	417	30.8	40.5
Precision production, craft, and repair	1,046	62	121	863	675	86	102	37.4	41.0
Operators, fabricators, and laborers	4,454	454	451	3,550	2,832	441	277	36.7	40.5
Machine operators, assemblers, and inspectors	3,264	308	184	2,772	2,244	346	182	37.8	40.2
Transportation and material moving occupations	366	48	95	224	165	18	42	33.4	42.1
Handlers, equipment cleaners, helpers, and laborers	824	98	172	554	423	78	54	34.2	41.3

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status and sex	1983		1984										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
TOTAL													
Noninstitutional population ¹	176,636	176,809	177,219	177,363	177,510	177,662	177,813	177,974	178,138	178,295	178,483	178,661	178,834
Labor force ¹	113,720	113,824	113,901	114,377	114,598	114,938	115,493	115,567	115,636	115,206	115,419	115,722	115,725
Percent of population ²	64.4	64.4	64.3	64.5	64.6	64.7	65.0	64.9	64.9	64.6	64.7	64.8	64.7
Total employed ¹	104,291	104,629	104,876	105,576	105,826	106,095	106,978	107,438	107,093	106,681	106,959	107,291	107,571
Employment-population ratio ³	59.0	59.2	59.2	59.5	59.6	59.7	60.2	60.4	60.1	59.8	59.9	60.1	60.2
Resident Armed Forces	1,685	1,688	1,686	1,684	1,686	1,693	1,690	1,690	1,698	1,712	1,720	1,705	1,699
Civilian employed	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748	105,395	104,969	105,239	105,586	105,872
Agriculture	3,257	3,356	3,271	3,395	3,281	3,393	3,389	3,403	3,345	3,224	3,315	3,114	3,353
Nonagricultural industries	99,349	99,585	99,918	100,496	100,859	101,009	101,899	102,344	102,050	101,744	101,923	102,472	102,519
Unemployed	9,429	9,195	9,026	8,801	8,772	8,843	8,514	8,130	8,543	8,526	8,460	8,431	8,154
Unemployment rate ⁴	8.3	8.1	7.9	7.7	7.7	7.7	7.4	7.0	7.4	7.4	7.3	7.3	7.0
Not in labor force	62,916	62,985	63,318	62,986	62,912	62,724	62,320	62,407	62,503	63,089	63,064	62,939	63,109
Men													
Noninstitutional population ¹	84,423	84,506	84,745	84,811	84,880	84,953	85,024	85,101	85,179	85,257	85,352	85,439	85,523
Labor force ¹	64,846	64,838	64,930	65,093	65,156	65,212	65,307	65,452	65,362	65,244	65,614	65,603	65,667
Percent of population ²	76.8	76.7	76.6	76.8	76.8	76.8	76.8	76.9	76.7	76.5	76.9	76.8	76.8
Total employed ¹	59,389	59,580	59,781	60,147	60,290	60,293	60,629	60,923	60,607	60,661	60,912	61,023	61,158
Employment-population ratio ³	70.3	70.5	70.5	70.9	71.0	71.0	71.3	71.6	71.2	71.2	71.4	71.4	71.5
Resident Armed Forces	1,534	1,537	1,542	1,540	1,542	1,548	1,545	1,545	1,551	1,563	1,571	1,557	1,552
Civilian employed	57,855	58,043	58,239	58,607	58,748	58,745	59,084	59,378	59,056	59,098	59,341	59,466	59,606
Unemployed	5,457	5,258	5,149	4,946	4,867	4,919	4,678	4,529	4,756	4,583	4,702	4,580	4,509
Unemployment rate ⁴	8.4	8.1	7.9	7.6	7.5	7.5	7.2	6.9	7.3	7.0	7.2	7.0	6.9
Not in labor force	19,577	19,668	19,815	19,718	19,724	19,741	19,717	19,649	19,817	20,013	19,738	19,836	19,856
Women													
Noninstitutional population ¹	92,214	92,302	92,474	92,552	92,630	92,709	92,789	92,873	92,958	93,039	93,132	93,222	93,311
Labor force ¹	48,874	48,986	48,971	49,283	49,442	49,725	50,186	50,115	50,273	49,963	49,804	50,119	50,057
Percent of population ²	53.0	53.1	53.0	53.2	53.4	53.6	54.1	54.0	54.1	53.7	53.5	53.8	53.6
Total employed ¹	44,902	45,049	45,094	45,429	45,536	45,802	46,350	46,515	46,486	46,020	46,047	46,268	46,413
Employment-population ratio ³	48.7	48.8	48.8	49.1	49.2	49.4	50.0	50.1	50.0	49.5	49.4	49.6	49.7
Resident Armed Forces	151	151	144	144	144	145	145	145	147	149	149	148	147
Civilian employed	44,751	44,898	44,950	45,285	45,392	45,657	46,205	46,370	46,339	45,871	45,898	46,120	46,266
Unemployed	3,972	3,937	3,876	3,855	3,905	3,924	3,836	3,600	3,787	3,943	3,758	3,852	3,645
Unemployment rate ⁴	8.1	8.0	7.9	7.8	7.9	7.9	7.6	7.2	7.5	7.9	7.5	7.7	7.3
Not in labor force	43,340	43,316	43,503	43,269	43,188	42,984	42,603	42,758	42,685	43,076	43,328	43,103	43,254

¹ Includes members of the Armed Forces stationed in the United States.

² Labor force as a percent of the noninstitutional population.

³ Total employment as a percent of the noninstitutional population.

⁴ Unemployment as a percent of the labor force (including the resident

Armed Forces).

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, sex, and age	1983		1984										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
TOTAL													
Civilian noninstitutional population ¹	174,951	175,121	175,533	175,679	175,824	175,969	176,123	176,284	176,440	176,583	176,763	176,956	177,135
Civilian labor force	112,035	112,136	112,215	112,693	112,912	113,245	113,803	113,877	113,938	113,494	113,699	114,017	114,026
Percent of population	64.0	64.0	63.9	64.1	64.2	64.4	64.6	64.6	64.6	64.3	64.3	64.4	64.4
Employed	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748	105,395	104,969	105,239	105,586	105,872
Employment-population ratio ²	58.6	58.8	58.8	59.1	59.2	59.3	59.8	60.0	59.7	59.4	59.5	59.7	59.8
Unemployed	9,429	9,195	9,026	8,801	8,772	8,843	8,514	8,130	8,543	8,526	8,460	8,431	8,154
Unemployment rate	8.4	8.2	8.0	7.8	7.8	7.8	7.5	7.1	7.5	7.5	7.4	7.4	7.2
Men, 20 years and over													
Civilian noninstitutional population ¹	75,327	75,433	75,692	75,786	75,880	75,973	76,073	76,176	76,269	76,350	76,451	76,565	76,663
Civilian labor force	59,053	59,050	59,299	59,394	59,388	59,480	59,546	59,726	59,694	59,752	59,898	59,971	59,994
Percent of population	78.4	78.3	78.3	78.4	78.3	78.3	78.3	78.4	78.3	78.3	78.3	78.3	78.3
Employed	54,457	54,658	54,999	55,266	55,368	55,385	55,685	55,970	55,789	55,899	56,022	56,213	56,243
Employment-population ratio ²	72.3	72.5	72.7	72.9	73.0	72.9	73.2	73.5	73.1	73.2	73.3	73.4	73.4
Agriculture	2,336	2,374	2,356	2,409	2,364	2,453	2,451	2,469	2,455	2,392	2,403	2,316	2,426
Nonagricultural industries	52,121	52,284	52,643	52,857	53,004	52,932	53,234	53,501	53,334	53,507	53,620	53,898	53,817
Unemployed	4,596	4,392	4,300	4,128	4,020	4,095	3,861	3,755	3,906	3,853	3,875	3,758	3,751
Unemployment rate	7.8	7.4	7.3	7.0	6.8	6.9	6.5	6.3	6.5	6.4	6.5	6.3	6.3
Not in labor force	16,274	16,383	16,393	16,392	16,492	16,493	16,527	16,450	16,575	16,598	16,553	16,594	16,669
Women, 20 years and over													
Civilian noninstitutional population ¹	84,553	84,666	84,860	84,962	85,064	85,168	85,272	85,380	85,488	85,581	85,688	85,793	85,897
Civilian labor force	44,953	45,024	44,981	45,258	45,459	45,703	46,222	46,101	46,261	46,082	45,859	46,220	46,232
Percent of population	53.2	53.2	53.0	53.3	53.4	53.7	54.2	54.0	54.1	53.8	53.5	53.9	53.8
Employed	41,738	41,843	41,798	42,138	42,315	42,517	43,098	43,146	43,088	42,819	42,807	43,016	43,194
Employment-population ratio ²	49.4	49.4	49.3	49.6	49.7	49.9	50.5	50.5	50.4	50.0	50.0	50.1	50.3
Agriculture	638	653	625	640	574	619	610	623	573	563	595	554	575
Nonagricultural industries	41,100	41,190	41,174	41,498	41,741	41,898	42,487	42,523	42,515	42,255	42,212	42,462	42,619
Unemployed	3,215	3,181	3,182	3,120	3,144	3,186	3,124	2,955	3,173	3,264	3,053	3,204	3,038
Unemployment rate	7.2	7.1	7.1	6.9	6.9	7.0	6.8	6.4	6.9	7.1	6.7	6.9	6.6
Not in labor force	39,600	39,642	39,879	39,704	39,605	39,465	39,050	39,279	39,227	39,499	39,829	39,573	39,665
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	15,072	15,022	14,981	14,931	14,880	14,828	14,778	14,728	14,683	14,653	14,624	14,598	14,575
Civilian labor force	8,029	8,062	7,935	8,041	8,065	8,062	8,034	8,050	7,982	7,660	7,942	7,826	7,800
Percent of population	53.3	53.7	53.0	53.9	54.2	54.4	54.4	54.7	54.4	52.3	54.3	53.6	53.5
Employed	6,411	6,440	6,392	6,488	6,457	6,500	6,505	6,631	6,518	6,251	6,410	6,356	6,435
Employment-population ratio ²	42.5	42.9	42.7	43.5	43.4	43.8	44.0	45.0	44.4	42.7	43.8	43.5	44.1
Agriculture	283	329	290	346	343	321	327	311	317	269	318	244	352
Nonagricultural industries	6,128	6,111	6,102	6,142	6,114	6,179	6,178	6,320	6,201	5,982	6,092	6,112	6,083
Unemployed	1,618	1,622	1,543	1,553	1,608	1,562	1,529	1,419	1,464	1,409	1,532	1,470	1,365
Unemployment rate	20.2	20.1	19.4	19.3	19.9	19.4	19.0	17.6	18.3	18.4	19.3	18.8	17.5
Not in labor force	7,043	6,960	7,046	6,890	6,815	6,766	6,744	6,678	6,701	6,993	6,682	6,772	6,775

¹ The population figures are not adjusted for seasonal variation.

population.

² Civilian employment as a percent of the civilian noninstitutional

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1983		1984										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
WHITE													
Civilian noninstitutional population ¹	151,324	151,484	151,939	152,079	152,285	152,178	152,229	152,295	152,286	152,402	152,471	152,605	152,659
Civilian labor force	97,559	97,724	97,813	98,167	98,424	98,495	98,853	98,770	98,710	98,156	98,388	98,520	98,526
Percent of population	64.5	64.5	64.4	64.6	64.6	64.7	64.9	64.9	64.8	64.4	64.5	64.6	64.5
Employed	90,430	90,779	91,044	91,544	91,845	91,933	92,505	92,697	92,430	91,850	92,074	92,249	92,498
Employment-population ratio ²	59.8	59.9	59.9	60.2	60.3	60.4	60.8	60.9	60.7	60.3	60.4	60.4	60.6
Unemployed	7,129	6,945	6,768	6,623	6,580	6,562	6,348	6,072	6,280	6,306	6,314	6,271	6,028
Unemployment rate	7.3	7.1	6.9	6.7	6.7	6.7	6.4	6.1	6.4	6.4	6.4	6.4	6.1
Men, 20 years and over													
Civilian labor force	52,021	52,063	52,270	52,335	52,398	52,406	52,357	52,548	52,366	52,371	52,516	52,463	52,583
Percent of population	78.9	78.9	78.8	78.8	78.8	78.8	78.7	78.9	78.6	78.6	78.7	78.6	78.7
Employed	48,414	48,589	48,964	49,149	49,343	49,329	49,440	49,744	49,470	49,471	49,600	49,615	49,731
Employment-population ratio ²	73.5	73.6	73.8	74.0	74.2	74.2	74.3	74.7	74.3	74.2	74.4	74.3	74.4
Unemployed	3,607	3,474	3,306	3,186	3,055	3,077	2,917	2,804	2,896	2,900	2,916	2,848	2,852
Unemployment rate	6.9	6.7	6.3	6.1	5.8	5.9	5.6	5.3	5.5	5.5	5.6	5.4	5.4
Women, 20 years and over													
Civilian labor force	38,489	38,556	38,505	38,726	38,873	39,032	39,439	39,226	39,396	39,137	38,944	39,253	39,153
Percent of population	52.7	52.8	52.6	52.8	52.9	53.1	53.7	53.3	53.5	53.1	52.8	53.2	53.0
Employed	36,177	36,292	36,180	36,465	36,570	36,688	37,150	37,042	37,074	36,784	36,694	36,928	36,991
Employment-population ratio ²	49.6	49.7	49.4	49.7	49.8	49.9	50.5	50.4	50.4	49.9	49.8	50.0	50.1
Unemployed	2,312	2,264	2,325	2,261	2,303	2,344	2,289	2,184	2,321	2,352	2,250	2,325	2,161
Unemployment rate	6.0	5.9	6.0	5.8	5.9	6.0	5.8	5.6	5.9	6.0	5.8	5.9	5.5
Both sexes, 16 to 19 years													
Civilian labor force	7,049	7,105	7,038	7,106	7,153	7,057	7,057	6,996	6,948	6,649	6,928	6,804	6,790
Percent of population	56.7	57.2	56.9	57.7	58.3	57.7	58.0	57.7	57.5	55.1	57.4	56.5	56.5
Employed	5,839	5,898	5,900	5,930	5,932	5,916	5,915	5,911	5,886	5,595	5,780	5,706	5,776
Employment-population ratio ²	47.0	47.5	47.7	48.1	48.3	48.4	48.6	48.7	48.7	46.4	47.9	47.4	48.0
Unemployed	1,210	1,207	1,138	1,176	1,221	1,141	1,142	1,085	1,062	1,054	1,148	1,098	1,014
Unemployment rate	17.2	17.0	16.2	16.5	17.1	16.2	16.2	15.5	15.3	15.9	16.6	16.1	14.9
Men	17.6	17.5	17.8	16.4	17.3	16.6	16.8	16.5	17.8	16.2	17.3	17.0	16.0
Women	16.6	16.5	14.5	16.7	16.8	15.7	15.5	14.5	12.6	15.5	15.8	15.2	13.8
BLACK													
Civilian noninstitutional population ¹	19,057	19,086	19,196	19,222	19,248	19,274	19,302	19,330	19,360	19,386	19,416	19,449	19,481
Civilian labor force	11,623	11,650	11,660	11,881	11,867	11,934	12,008	11,962	12,076	12,176	12,079	12,185	12,285
Percent of population	61.0	61.0	60.7	61.8	61.7	61.9	62.2	61.9	62.4	62.8	62.2	62.7	63.1
Employed	9,563	9,582	9,707	9,958	9,896	9,923	10,105	10,168	10,041	10,226	10,259	10,314	10,443
Employment-population ratio ²	50.2	50.2	50.6	51.8	51.4	51.5	52.4	52.6	51.9	52.8	52.8	53.0	53.6
Unemployed	2,060	2,068	1,953	1,923	1,972	2,011	1,903	1,795	2,035	1,950	1,820	1,872	1,842
Unemployment rate	17.7	17.8	16.7	16.2	16.6	16.8	15.8	15.0	16.9	16.0	15.1	15.4	15.0
Men, 20 years and over													
Civilian labor force	5,568	5,565	5,621	5,677	5,660	5,607	5,673	5,646	5,700	5,735	5,684	5,728	5,741
Percent of population	74.9	74.7	74.8	75.4	75.0	74.2	74.9	74.4	74.9	75.3	74.4	74.8	74.8
Employed	4,701	4,722	4,789	4,877	4,789	4,712	4,872	4,811	4,802	4,922	4,919	4,962	5,021
Employment-population ratio ²	63.2	63.4	63.7	64.8	63.5	62.4	64.3	63.4	63.1	64.6	64.4	64.8	65.4
Unemployed	867	843	833	800	871	894	801	835	897	813	765	765	720
Unemployment rate	15.6	15.1	14.8	14.1	15.4	16.0	14.1	14.8	15.7	14.2	13.5	13.4	12.5
Women, 20 years and over													
Civilian labor force	5,270	5,303	5,277	5,408	5,425	5,469	5,547	5,496	5,522	5,604	5,538	5,584	5,710
Percent of population	55.9	56.2	55.6	56.9	57.0	57.3	58.0	57.4	57.5	58.3	57.5	57.8	59.0
Employed	4,448	4,461	4,522	4,630	4,690	4,737	4,793	4,818	4,746	4,816	4,840	4,828	4,928
Employment-population ratio ²	47.2	47.3	47.7	48.7	49.2	49.6	50.1	50.3	49.5	50.1	50.2	50.0	51.0
Unemployed	822	842	755	777	735	731	754	679	776	788	698	755	781
Unemployment rate	15.6	15.9	14.3	14.4	13.5	13.4	13.6	12.4	14.0	14.1	12.6	13.5	13.7

See footnotes at end of table.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1983		1984										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	785	782	762	796	783	859	787	820	854	837	857	874	834
Percent of population	35.6	35.6	34.7	36.4	35.9	39.5	36.3	37.9	39.6	38.9	39.9	40.8	39.0
Employed	414	399	397	450	417	474	440	539	492	488	500	523	494
Employment-population ratio ²	18.8	18.2	18.1	20.6	19.1	21.8	20.3	24.9	22.8	22.7	23.3	24.4	23.1
Unemployed	371	383	365	346	366	385	347	281	362	349	357	351	340
Unemployment rate	47.3	49.0	47.9	43.5	46.7	44.8	44.1	34.3	42.4	41.7	41.7	40.2	40.8
Men	44.9	46.4	47.1	46.7	44.4	42.8	40.9	35.3	42.6	40.6	39.9	45.1	41.8
Women	50.0	51.9	48.8	39.9	49.6	47.1	48.2	33.1	42.1	42.9	43.7	34.6	39.5
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	9,677	9,735	9,778	9,906	10,080	10,072	10,026	9,824	9,738	9,785	9,713	9,794	9,901
Civilian labor force	6,232	6,267	6,336	6,292	6,484	6,378	6,332	6,298	6,293	6,271	6,328	6,339	6,453
Percent of population	64.4	64.4	64.8	63.5	64.3	63.3	63.2	64.1	64.6	64.1	65.2	64.7	65.2
Employed	5,463	5,540	5,627	5,652	5,751	5,643	5,666	5,669	5,626	5,600	5,650	5,649	5,807
Employment-population ratio ²	56.5	56.9	57.6	57.1	57.1	56.0	57.7	57.8	57.2	57.2	58.2	57.7	58.7
Unemployed	769	727	708	639	733	735	666	629	667	672	678	689	646
Unemployment rate	12.3	11.6	11.2	10.2	11.3	11.5	10.5	10.0	10.6	10.7	10.7	10.9	10.0

¹ The population figures are not adjusted for seasonal variation.

² Civilian employment as a percent of the civilian noninstitutional population.

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

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

(In thousands)

Category	1983		1984										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
CHARACTERISTIC													
Total	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748	105,395	104,969	105,239	105,586	105,872
Married men, spouse present	38,388	38,494	38,682	38,911	38,927	39,062	39,159	39,072	39,121	39,029	39,034	39,023	39,348
Married women, spouse present	25,057	25,140	24,947	25,212	25,239	25,457	25,722	25,786	25,716	25,764	25,641	25,891	25,981
Women who maintain families	5,236	5,254	5,293	5,346	5,444	5,491	5,668	5,688	5,662	5,507	5,412	5,344	5,362
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,481	1,512	1,443	1,560	1,515	1,661	1,610	1,604	1,513	1,425	1,569	1,481	1,585
Self-employed workers	1,556	1,572	1,613	1,609	1,580	1,534	1,537	1,570	1,559	1,568	1,569	1,479	1,561
Unpaid family workers	224	265	233	232	198	207	246	212	230	208	187	173	201
Nonagricultural industries:													
Wage and salary workers	91,094	91,422	91,641	92,379	92,819	92,931	93,928	94,040	93,841	93,554	94,122	94,369	94,461
Government	15,585	15,481	15,535	15,822	15,813	15,784	15,761	15,685	15,604	15,782	15,959	16,046	15,745
Private industries	75,509	75,941	76,106	76,557	77,006	77,147	78,167	78,355	78,236	77,772	78,163	78,323	78,716
Private households	1,216	1,241	1,197	1,219	1,155	1,296	1,347	1,329	1,239	1,181	1,185	1,209	1,221
Other industries	74,293	74,700	74,909	75,339	75,851	75,851	76,820	77,026	76,997	76,591	76,979	77,114	77,495
Self-employed workers	7,800	7,734	7,936	7,849	7,755	7,834	7,707	7,828	7,717	7,829	7,721	7,775	7,693
Unpaid family workers	474	450	364	330	326	338	311	348	306	324	314	312	372
PERSONS AT WORK¹													
Nonagricultural industries	93,834	94,173	94,707	95,067	94,982	96,918	96,523	96,500	96,848	96,921	96,448	96,577	96,614
Full-time schedules	75,398	75,802	76,237	76,715	77,004	78,276	78,280	78,496	78,659	78,799	78,291	78,459	78,611
Part time for economic reasons	5,848	5,712	5,943	5,808	5,463	5,593	5,353	5,491	5,300	5,324	5,496	5,479	5,373
Usually work full time	1,719	1,672	1,771	1,611	1,472	1,530	1,549	1,654	1,589	1,749	1,675	1,606	1,592
Usually work part time	4,129	4,040	4,172	4,197	3,991	4,063	3,804	3,837	3,711	3,576	3,821	3,873	3,781
Part time for noneconomic reasons	12,588	12,659	12,527	12,545	12,515	13,049	12,889	12,514	12,889	12,797	12,662	12,638	12,630

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**

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

(In thousands)

Sex and age	1983		1984										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Total, 16 years and over	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748	105,395	104,969	105,239	105,586	105,872
16 to 24 years	20,338	20,377	20,401	20,628	20,616	20,639	20,873	21,127	20,760	20,221	20,541	20,625	20,754
16 to 19 years	6,411	6,440	6,392	6,488	6,457	6,500	6,505	6,631	6,518	6,251	6,410	6,356	6,435
16 to 17 years	2,332	2,355	2,321	2,342	2,376	2,379	2,493	2,453	2,429	2,321	2,477	2,410	2,419
18 to 19 years	4,064	4,092	4,114	4,153	4,082	4,125	4,024	4,176	4,079	3,860	3,941	3,964	3,972
20 to 24 years	13,927	13,937	14,008	14,140	14,159	14,139	14,368	14,496	14,241	13,970	14,131	14,268	14,320
25 years and over	82,268	82,551	82,765	83,294	83,493	83,729	84,440	84,648	84,604	84,815	84,697	84,923	85,113
25 to 54 years	67,913	68,179	68,534	68,964	69,279	69,516	70,138	70,485	70,409	70,655	70,462	70,810	70,970
55 years and over	14,364	14,347	14,239	14,293	14,212	14,274	14,260	14,179	14,223	14,195	14,265	14,137	14,166
Men, 16 years and over	57,855	58,043	58,239	58,607	58,748	58,745	59,084	59,378	59,056	59,098	59,341	59,466	59,606
16 to 24 years	10,789	10,770	10,700	10,864	10,965	10,947	11,084	11,145	10,787	10,648	10,863	10,858	10,994
16 to 19 years	3,398	3,385	3,240	3,342	3,380	3,361	3,399	3,408	3,267	3,199	3,319	3,253	3,363
16 to 17 years	1,223	1,224	1,222	1,223	1,256	1,220	1,297	1,246	1,200	1,160	1,321	1,236	1,260
18 to 19 years	2,155	2,151	2,050	2,120	2,126	2,144	2,105	2,153	2,058	1,998	2,008	2,025	2,069
20 to 24 years	7,391	7,385	7,460	7,523	7,586	7,586	7,686	7,737	7,520	7,449	7,545	7,605	7,630
25 years and over	47,073	47,266	47,531	47,745	47,777	47,798	48,044	48,260	48,213	48,466	48,526	48,562	48,606
25 to 54 years	38,550	38,757	39,049	39,271	39,418	39,431	39,622	39,909	39,866	40,053	40,090	40,216	40,323
55 years and over	8,541	8,470	8,495	8,473	8,373	8,387	8,366	8,379	8,369	8,403	8,439	8,353	8,323
Women, 16 years and over	44,751	44,898	44,950	45,285	45,392	45,657	46,205	46,370	46,339	45,871	45,898	46,120	46,266
16 to 24 years	9,549	9,607	9,700	9,763	9,651	9,692	9,789	9,982	9,973	9,573	9,677	9,767	9,760
16 to 19 years	3,013	3,055	3,152	3,147	3,078	3,139	3,107	3,223	3,252	3,052	3,091	3,103	3,071
16 to 17 years	1,109	1,131	1,099	1,119	1,120	1,159	1,196	1,207	1,229	1,161	1,156	1,174	1,159
18 to 19 years	1,909	1,941	2,064	2,033	1,956	1,981	1,919	2,023	2,021	1,862	1,933	1,939	1,903
20 to 24 years	6,536	6,552	6,548	6,617	6,573	6,553	6,682	6,759	6,721	6,520	6,586	6,664	6,689
25 years and over	35,195	35,285	35,234	35,549	35,716	35,931	36,396	36,387	36,391	36,350	36,171	36,362	36,507
25 to 54 years	29,363	29,422	29,485	29,694	29,861	30,085	30,517	30,577	30,543	30,602	30,372	30,594	30,646
55 years and over	5,823	5,877	5,744	5,820	5,839	5,887	5,893	5,801	5,853	5,792	5,825	5,784	5,843

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

(In thousands)

Sex and age	1983		1984										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Total, 16 years and over	9,429	9,195	9,026	8,801	8,772	8,843	8,514	8,130	8,543	8,526	8,460	8,431	8,154
16 to 24 years	3,692	3,564	3,537	3,410	3,467	3,522	3,402	3,156	3,276	3,287	3,359	3,243	3,125
16 to 19 years	1,618	1,622	1,543	1,553	1,608	1,562	1,529	1,419	1,464	1,409	1,532	1,470	1,365
16 to 17 years	653	700	649	663	712	683	632	602	626	631	669	606	587
18 to 19 years	972	947	878	881	904	876	896	813	817	775	862	870	785
20 to 24 years	2,074	1,942	1,994	1,857	1,859	1,960	1,873	1,737	1,812	1,878	1,827	1,773	1,760
25 years and over	5,728	5,659	5,474	5,405	5,279	5,301	5,132	4,996	5,257	5,237	5,109	5,172	4,990
25 to 54 years	5,007	4,938	4,789	4,742	4,647	4,663	4,474	4,274	4,619	4,566	4,441	4,452	4,338
55 years and over	741	742	700	636	643	621	659	683	660	677	675	717	650
Men, 16 years and over	5,457	5,258	5,149	4,946	4,867	4,919	4,678	4,529	4,756	4,583	4,702	4,580	4,509
16 to 24 years	2,042	1,998	1,971	1,857	1,869	1,925	1,812	1,772	1,846	1,772	1,887	1,754	1,709
16 to 19 years	861	866	849	818	847	824	817	774	850	730	827	822	758
16 to 17 years	344	372	336	337	376	378	352	365	358	330	354	339	309
18 to 19 years	524	501	501	469	472	448	472	413	478	396	473	485	458
20 to 24 years	1,181	1,132	1,122	1,039	1,022	1,101	995	998	996	1,042	1,060	932	951
25 years and over	3,417	3,283	3,154	3,089	2,988	2,996	2,878	2,757	2,896	2,813	2,824	2,822	2,793
25 to 54 years	2,935	2,799	2,743	2,686	2,569	2,604	2,480	2,377	2,496	2,411	2,398	2,388	2,367
55 years and over	490	481	431	396	408	382	394	378	401	408	442	423	415
Women, 16 years and over	3,972	3,937	3,876	3,855	3,905	3,924	3,836	3,600	3,787	3,943	3,758	3,852	3,645
16 to 24 years	1,650	1,566	1,566	1,552	1,598	1,597	1,591	1,384	1,430	1,514	1,472	1,489	1,415
16 to 19 years	757	756	694	735	761	738	712	645	614	679	705	648	607
16 to 17 years	309	328	313	326	336	305	280	237	268	301	315	267	278
18 to 19 years	448	446	377	412	432	428	424	400	339	379	389	385	327
20 to 24 years	893	810	872	817	837	859	879	739	816	835	767	841	808
25 years and over	2,311	2,376	2,320	2,316	2,291	2,305	2,254	2,238	2,361	2,424	2,285	2,349	2,197
25 to 54 years	2,072	2,139	2,046	2,057	2,078	2,059	1,994	1,897	2,123	2,156	2,043	2,064	1,971
55 years and over	251	261	269	240	235	239	266	305	259	269	234	294	235

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Civilian workers)

Sex and age	1983					1984							
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Total, 16 years and over	8.4	8.2	8.0	7.8	7.8	7.8	7.5	7.1	7.5	7.5	7.4	7.4	7.2
16 to 24 years	15.4	14.9	14.8	14.2	14.4	14.6	14.0	13.0	13.6	14.0	14.1	13.6	13.1
16 to 19 years	20.2	20.1	19.4	19.3	19.9	19.4	19.0	17.6	18.3	18.4	19.3	18.8	17.5
16 to 17 years	21.9	22.9	21.9	22.1	23.1	22.3	20.2	19.7	20.5	21.4	21.3	20.1	19.5
18 to 19 years	19.3	18.8	17.6	17.5	18.1	17.5	18.2	16.3	16.7	16.7	17.9	18.0	16.5
20 to 24 years	13.0	12.2	12.5	11.6	11.6	12.2	11.5	10.7	11.3	11.8	11.5	11.1	10.9
25 years and over	6.5	6.4	6.2	6.1	5.9	6.0	5.7	5.6	5.9	5.8	5.7	5.7	5.5
25 to 54 years	6.9	6.8	6.5	6.4	6.3	6.3	6.0	5.7	6.2	6.1	5.9	5.9	5.8
55 years and over	4.9	4.9	4.7	4.3	4.3	4.2	4.4	4.6	4.4	4.6	4.5	4.8	4.4
Men, 16 years and over	8.6	8.3	8.1	7.8	7.7	7.7	7.3	7.1	7.5	7.2	7.3	7.2	7.0
16 to 24 years	15.9	15.6	15.6	14.6	14.6	15.0	14.0	13.7	14.6	14.3	14.8	13.9	13.5
16 to 19 years	20.2	20.4	20.8	19.7	20.0	19.7	19.4	18.5	20.6	18.6	19.9	20.2	18.4
16 to 17 years	22.0	23.3	21.6	21.6	23.0	23.7	21.3	22.7	23.0	22.1	21.1	21.5	19.7
18 to 19 years	19.6	18.9	19.6	18.1	18.2	17.3	18.3	16.1	18.8	16.5	19.1	19.3	18.1
20 to 24 years	13.8	13.3	13.1	12.1	11.9	12.7	11.5	11.4	11.7	12.3	12.3	10.9	11.1
25 years and over	6.8	6.5	6.2	6.1	5.9	5.9	5.7	5.4	5.7	5.5	5.5	5.5	5.4
25 to 54 years	7.1	6.7	6.6	6.4	6.1	6.2	5.9	5.6	5.9	5.7	5.6	5.6	5.5
55 years and over	5.4	5.4	4.8	4.5	4.6	4.4	4.5	4.3	4.6	4.6	5.0	4.8	4.7
Women, 16 years and over	8.2	8.1	7.9	7.8	7.9	7.9	7.7	7.2	7.6	7.9	7.6	7.7	7.3
16 to 24 years	14.7	14.0	13.9	13.7	14.2	14.1	14.0	12.2	12.5	13.7	13.2	13.2	12.7
16 to 19 years	20.1	19.8	18.0	18.9	19.8	19.0	18.6	16.7	15.9	18.2	18.6	17.3	16.5
16 to 17 years	21.8	22.5	22.2	22.6	23.1	20.8	19.0	16.4	17.9	20.6	21.4	18.5	19.3
18 to 19 years	19.0	18.7	15.4	16.9	18.1	17.8	18.1	16.5	14.4	16.9	16.8	16.6	14.7
20 to 24 years	12.0	11.0	11.7	11.0	11.3	11.6	11.6	9.9	10.8	11.4	10.4	11.2	10.8
25 years and over	6.2	6.3	6.2	6.1	6.0	6.0	5.8	5.8	6.1	6.3	5.9	6.1	5.7
25 to 54 years	6.6	6.8	6.5	6.5	6.5	6.4	6.1	5.8	6.5	6.6	6.3	6.3	6.0
55 years and over	4.1	4.3	4.5	4.0	3.9	3.9	4.3	5.0	4.2	4.4	3.9	4.8	3.9

A-39. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1983					1984							
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
CHARACTERISTIC													
Total (all civilian workers)	8.4	8.2	8.0	7.8	7.8	7.8	7.5	7.1	7.5	7.5	7.4	7.4	7.2
Men, 20 years and over	7.8	7.4	7.3	7.0	6.8	6.9	6.5	6.3	6.5	6.4	6.5	6.3	6.3
Women, 20 years and over	7.2	7.1	7.1	6.9	6.9	7.0	6.8	6.4	6.9	7.1	6.7	6.9	6.6
Both sexes, 16 to 19 years	20.2	20.1	19.4	19.3	19.9	19.4	19.0	17.6	18.3	18.4	19.3	18.8	17.5
White	7.3	7.1	6.9	6.7	6.7	6.7	6.4	6.1	6.4	6.4	6.4	6.4	6.1
Black and other	16.1	16.3	15.6	14.9	15.1	15.1	14.2	13.4	15.1	14.4	13.9	13.8	13.6
Black	17.7	17.8	16.7	16.2	16.6	16.8	15.8	15.0	16.9	16.0	15.1	15.4	15.0
Hispanic origin	12.3	11.6	11.2	10.2	11.3	11.5	10.5	10.0	10.6	10.7	10.7	10.9	10.0
Married men, spouse present	5.5	5.2	5.0	4.9	4.7	4.7	4.5	4.5	4.6	4.4	4.6	4.6	4.4
Married women, spouse present	6.0	6.1	6.0	5.9	5.8	5.8	5.8	5.6	5.9	6.0	5.8	5.8	5.3
Women who maintain families	10.5	10.9	10.7	11.0	11.0	10.5	9.8	9.6	9.6	10.5	10.0	10.5	11.0
Full-time workers	8.2	8.0	7.8	7.5	7.5	7.6	7.2	6.7	7.2	7.2	7.1	7.1	6.9
Part-time workers	9.8	9.8	9.2	9.3	9.2	9.1	9.3	10.3	9.6	9.6	9.4	9.1	8.6
Unemployed 15 weeks and over ¹	3.1	3.0	2.9	2.6	2.5	2.5	2.5	2.3	2.4	2.3	2.3	2.2	2.1
Labor force time lost ²	9.7	9.4	9.2	8.9	8.8	8.9	8.5	8.3	8.7	8.5	8.5	8.6	8.2
INDUSTRY													
Nonagricultural private wage and salary workers	8.6	8.3	7.9	7.8	7.6	7.7	7.2	7.0	7.4	7.5	7.4	7.3	7.2
Mining	12.8	12.4	10.9	12.2	11.2	10.3	8.9	7.1	7.5	10.3	8.6	10.9	11.8
Construction	15.6	16.3	15.0	15.1	13.3	14.3	14.8	14.8	14.7	14.0	13.8	13.5	14.2
Manufacturing	8.9	8.3	8.4	7.5	7.5	7.7	7.1	7.2	7.5	7.5	7.6	7.4	7.2
Durable goods	9.0	8.3	8.0	7.3	7.8	7.5	7.0	7.2	6.7	6.9	7.0	7.0	7.0
Nondurable goods	8.7	8.2	8.9	7.8	7.2	8.0	7.1	7.3	8.6	8.3	8.4	7.9	7.5
Transportation and public utilities	6.7	6.5	5.1	5.9	5.0	5.4	5.5	5.2	6.1	6.2	6.1	5.3	5.1
Wholesale and retail trade	9.1	8.8	8.4	8.3	8.3	8.7	7.9	7.2	7.8	7.8	8.2	7.9	7.5
Finance and service industries	6.7	6.6	6.3	6.3	6.4	6.1	5.5	5.4	5.9	6.1	5.6	5.7	5.8
Agricultural wage and salary workers	15.7	15.6	15.5	14.0	14.6	12.2	13.9	11.8	14.6	12.8	15.0	13.8	11.3

¹ Unemployment as a percent of the civilian labor force.

² Aggregate hours lost by the unemployed and persons on part time

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Weeks of unemployment	1983		1984										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
DURATION													
Less than 5 weeks	3,328	3,382	3,233	3,359	3,386	3,438	3,238	3,174	3,462	3,555	3,286	3,431	3,351
5 to 14 weeks	2,616	2,504	2,556	2,484	2,539	2,493	2,433	2,294	2,490	2,333	2,539	2,399	2,320
15 weeks and over	3,527	3,369	3,201	2,984	2,873	2,855	2,851	2,619	2,689	2,606	2,600	2,530	2,438
15 to 26 weeks	1,337	1,284	1,166	1,173	1,114	1,111	1,186	1,008	1,100	1,113	1,085	1,099	993
27 weeks and over	2,190	2,085	2,035	1,810	1,759	1,744	1,664	1,611	1,589	1,493	1,515	1,431	1,445
Average (mean) duration, in weeks	20.2	19.6	20.5	18.8	18.8	18.5	18.4	18.6	18.1	17.3	17.1	16.5	17.5
Median duration, in weeks	9.4	9.0	9.2	8.3	8.3	8.1	8.7	7.2	7.6	7.5	7.6	7.2	7.3
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	35.1	36.5	36.0	38.1	38.5	39.1	38.0	39.2	40.1	41.9	39.0	41.0	41.3
5 to 14 weeks	27.6	27.1	28.4	28.1	28.9	28.4	28.6	28.4	28.8	27.5	30.1	28.7	28.6
15 weeks and over	37.2	36.4	35.6	33.8	32.7	32.5	33.5	32.4	31.1	30.7	30.9	30.3	30.1
15 to 26 weeks	14.1	13.9	13.0	13.3	12.7	12.6	13.9	12.5	12.7	13.1	12.9	13.2	12.2
27 weeks and over	23.1	22.5	22.6	20.5	20.0	19.8	19.5	19.9	18.4	17.6	18.0	17.1	17.8

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

(Numbers in thousands)

Reasons for unemployment	1983		1984										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
NUMBER OF UNEMPLOYED													
Job losers	5,226	5,017	4,825	4,737	4,614	4,527	4,327	4,220	4,511	4,218	4,211	4,370	4,154
On layoff	1,321	1,283	1,238	1,272	1,254	1,108	1,192	1,166	1,164	1,152	1,109	1,176	1,058
Other job losers	3,905	3,734	3,588	3,465	3,360	3,419	3,134	3,055	3,346	3,066	3,102	3,193	3,096
Job leavers	868	855	809	772	756	781	804	800	865	835	845	818	885
Reentrants	2,250	2,246	2,192	2,153	2,208	2,308	2,178	1,968	2,091	2,322	2,298	2,136	2,147
New entrants	1,154	1,150	1,175	1,092	1,213	1,216	1,186	1,136	1,092	1,093	1,052	1,073	1,003
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	55.0	54.1	53.6	54.1	52.5	51.3	50.9	51.9	52.7	49.8	50.1	52.0	50.7
On layoff	13.9	13.8	13.7	14.5	14.3	12.5	14.0	14.4	13.6	13.6	13.2	14.0	12.9
Other job losers	41.1	40.3	39.9	39.6	38.2	38.7	36.9	37.6	39.1	36.2	36.9	38.0	37.8
Job leavers	9.1	9.2	9.0	8.8	8.6	8.8	9.5	9.8	10.1	9.9	10.1	9.7	10.8
Reentrants	23.7	24.2	24.4	24.6	25.1	26.1	25.6	24.2	24.4	27.4	27.3	25.4	26.2
New entrants	12.1	12.4	13.1	12.5	13.8	13.8	14.0	14.0	12.8	12.9	12.5	12.8	12.2
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	4.7	4.5	4.3	4.2	4.1	4.0	3.8	3.7	4.0	3.7	3.7	3.8	3.6
Job leavers .....	.8	.8	.7	.7	.7	.7	.7	.7	.8	.7	.7	.7	.8
Reentrants	2.0	2.0	2.0	1.9	2.0	2.0	1.9	1.7	1.8	2.0	2.0	1.9	1.9
New entrants	1.0	1.0	1.0	1.0	1.1	1.1	1.0	1.0	1.0	1.0	.9	.9	.9

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-2. Employees on nonagricultural payrolls by detailed industry

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P
Total		92,049	92,406	95,358	95,894	96,215	-	-	-	-	-
Total private		76,081	76,294	79,597	79,698	79,899	61,649	61,830	64,524	64,611	64,764
Mining		965	970	1,024	1,013	1,016	686	690	735	726	729
Metal mining	10	57.6	56.7	55.4	54.7	-	41.6	41.2	39.6	39.1	-
Iron ores	101	10.4	9.6	10.6	10.4	-	7.0	6.6	7.6	7.5	-
Copper ores	102	19.3	19.2	15.8	15.5	-	13.5	13.5	11.0	10.7	-
Coal mining	11,12	197.5	199.1	209.2	197.9	-	159.3	161.0	170.3	159.9	-
Bituminous coal and lignite mining	12	194.7	196.3	206.6	195.3	-	156.9	158.6	168.0	157.7	-
Oil and gas extraction	13	597.4	602.6	639.7	641.2	651.0	400.1	403.5	432.7	434.6	-
Crude petroleum, natural gas, and natural gas liquids	131,2	258.6	258.6	256.0	255.8	-	119.8	119.0	117.4	118.4	-
Oil and gas field services	138	338.8	344.0	383.7	385.4	-	280.3	284.5	315.3	316.2	-
Nonmetallic minerals, except fuels	14	112.0	111.1	119.7	119.4	-	85.4	84.6	92.7	92.1	-
Crushed and broken stone	142	36.7	35.8	39.2	39.3	-	29.0	28.5	31.7	31.7	-
Sand and gravel	144	35.5	35.5	39.0	38.7	-	-	-	-	-	-
Chemical and fertilizer minerals	147	20.9	21.1	21.8	21.7	-	-	-	-	-	-
Construction		4,285	4,231	4,654	4,647	4,586	3,359	3,304	3,672	3,669	3,603
General building contractors	15	1,105.0	1,097.6	1,201.9	1,198.1	1,188.3	831.7	823.9	905.5	903.3	-
Residential building construction	152	534.3	529.8	579.7	571.4	-	390.8	386.2	423.5	417.7	-
Operative builders	153	61.4	60.6	64.5	64.0	-	35.0	34.0	34.6	34.1	-
Nonresidential building construction	154	509.3	507.2	557.7	562.7	-	405.9	403.7	447.4	451.5	-
Heavy construction contractors	16	870.8	836.0	863.3	858.3	-	716.6	683.9	716.8	713.5	-
Highway and street construction	161	282.9	263.2	300.6	294.7	-	242.4	223.6	257.9	251.2	-
Heavy construction, except highway	162	587.9	572.8	562.7	563.6	-	474.2	460.3	458.9	462.3	-
Special trade contractors	17	2,308.9	2,297.5	2,588.7	2,590.8	-	1,810.5	1,796.4	2,049.7	2,052.1	-
Plumbing, heating, and air conditioning	171	525.3	528.1	562.0	562.7	-	383.5	385.5	416.3	417.8	-
Painting, paper hanging, and decorating	172	143.8	141.0	162.3	163.6	-	121.1	117.7	137.9	138.6	-
Electrical work	173	423.3	425.7	463.0	466.2	-	324.1	325.9	355.6	358.2	-
Masonry, stonework, and plastering	174	357.8	357.0	418.1	413.6	-	306.1	305.6	358.3	354.8	-
Carpentering and flooring	175	130.5	129.3	137.2	138.9	-	99.6	97.3	104.2	104.9	-
Roofing and sheet metal work	176	181.7	180.6	203.1	204.8	-	147.1	144.9	166.1	167.8	-
Manufacturing		19,052	19,093	19,909	19,851	19,775	13,082	13,117	13,715	13,652	13,570
Durable goods		11,140	11,201	11,836	11,819	11,799	7,482	7,539	7,997	7,978	7,950
Lumber and wood products	24	702.8	692.7	730.6	723.5	709.6	589.7	580.7	614.8	606.9	592.8
Logging camps and logging contractors	241	90.5	86.6	90.2	88.2	-	71.6	68.0	71.0	69.2	-
Sawmills and planing mills	242	205.1	203.9	212.2	210.1	-	182.4	181.3	188.1	186.1	-
Sawmills and planing mills, general	2421	170.4	169.3	176.0	174.2	-	151.8	150.8	156.6	154.9	-
Hardwood dimension and flooring	2426	30.1	30.2	30.6	30.4	-	26.5	26.6	26.7	26.5	-
Millwork, plywood, and structural members	243	212.6	212.5	225.5	222.9	-	177.1	177.3	189.3	186.4	-
Millwork	2431	79.0	79.0	84.5	83.3	-	64.0	64.0	69.1	67.9	-
Wood kitchen cabinets	2434	54.1	54.4	60.6	60.5	-	43.5	43.9	50.1	49.9	-
Hardwood veneer and plywood	2435	24.0	24.0	24.6	24.1	-	21.1	21.3	21.7	21.2	-
Softwood veneer and plywood	2436	36.9	36.6	36.8	36.3	-	33.3	33.1	33.5	32.9	-
Wood containers	244	38.4	37.8	41.9	42.1	-	32.3	31.8	35.8	35.7	-
Wood buildings and mobile homes	245	76.3	72.3	76.8	75.1	-	60.0	56.2	60.0	58.4	-
Mobile homes	2451	56.4	53.0	56.3	54.8	-	45.8	42.7	45.7	44.5	-
Miscellaneous wood products	249	79.9	79.6	84.0	85.1	-	66.3	66.1	70.6	71.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p
Durable goods—Continued											
Furniture and fixtures	25	467.1	471.8	486.5	491.5	497.6	373.4	377.6	388.7	393.0	399.1
Household furniture	251	286.2	286.7	284.2	288.3	-	238.7	241.1	237.0	240.9	-
Wood household furniture	2511	128.1	128.8	126.4	127.3	-	111.1	112.0	109.8	110.7	-
Upholstered household furniture	2512	89.6	89.9	90.0	90.9	-	73.3	73.4	73.8	74.7	-
Metal household furniture	2514	26.6	28.4	25.2	27.1	-	21.3	23.0	19.7	21.5	-
Mattresses and bedsprings	2515	29.6	29.3	29.8	29.8	-	22.6	22.3	23.0	23.0	-
Office furniture	252	60.4	61.3	69.4	70.5	-	46.8	47.6	53.4	54.2	-
Public building and related furniture	253	24.1	24.4	25.9	26.1	-	17.8	18.2	19.8	20.1	-
Partitions and fixtures	254	62.9	63.4	69.4	69.8	-	47.0	47.4	51.5	52.1	-
Miscellaneous furniture and fixtures	259	33.5	34.0	37.6	36.8	-	23.1	23.3	27.0	25.7	-
Stone, clay, and glass products	32	599.9	596.2	622.0	620.7	616.3	463.0	459.4	480.5	479.2	475.5
Flat glass	321	16.4	16.5	16.0	15.8	-	12.9	13.2	12.7	12.5	-
Glass and glassware, pressed or blown	322	106.2	103.9	99.7	99.3	-	90.1	87.8	84.5	84.2	-
Glass containers	3221	57.2	55.2	51.4	50.8	-	50.4	48.4	45.5	44.9	-
Pressed and blown glass, nec	3229	49.0	48.7	48.3	48.5	-	39.7	39.4	39.0	39.3	-
Products of purchased glass	323	47.6	48.2	50.4	50.9	-	32.5	33.7	35.6	36.2	-
Cement, hydraulic	324	26.1	26.1	26.4	25.8	-	20.5	20.6	20.6	20.0	-
Structural clay products	325	38.1	38.0	39.7	39.2	-	29.5	29.2	30.7	30.4	-
Pottery and related products	326	40.8	41.1	42.2	42.8	-	32.4	32.5	33.6	34.0	-
Concrete, gypsum, and plaster products	327	198.3	195.0	213.7	212.8	-	154.3	151.2	167.1	166.1	-
Concrete block and brick	3271	18.2	18.1	19.7	19.6	-	12.4	12.3	13.4	13.4	-
Concrete products, nec	3272	65.7	64.7	72.2	71.8	-	49.6	48.6	55.2	54.5	-
Ready-mixed concrete	3273	96.5	94.2	103.3	102.8	-	78.0	75.9	84.0	83.6	-
Misc. nonmetallic mineral products	329	115.6	116.6	122.5	122.6	-	82.1	82.6	86.6	86.6	-
Abrasive products	3291	23.0	23.2	24.7	24.7	-	15.3	15.3	16.5	16.5	-
Asbestos products	3292	12.3	12.4	12.7	12.5	-	9.3	9.3	9.8	9.6	-
Mineral wool	3296	27.8	27.7	28.1	28.3	-	-	-	-	-	-
Primary metal industries	33	857.5	860.8	871.9	858.9	855.6	645.3	650.2	662.5	653.3	649.0
Blast furnaces and basic steel products	331	345.9	345.0	325.0	316.1	315.6	262.2	263.7	249.0	242.1	-
Blast furnaces and steel mills	3312	279.4	278.0	255.9	247.2	-	212.8	213.8	197.1	190.3	-
Steel pipe and tubes	3317	24.7	24.8	24.7	25.0	-	18.0	18.1	18.2	18.6	-
Iron and steel foundries	332	146.3	148.4	161.9	160.1	-	113.5	115.5	128.4	127.2	-
Gray iron foundries	3321	94.6	95.8	103.0	102.2	-	75.8	77.1	84.0	83.6	-
Malleable iron foundries	3322	11.8	11.9	12.0	11.9	-	8.6	8.7	8.8	8.8	-
Steel foundries, nec	3325	29.4	30.2	34.1	33.0	-	21.8	22.3	26.0	25.0	-
Primary nonferrous metals	333	52.6	52.7	53.3	52.6	-	38.6	38.7	38.8	38.3	-
Primary aluminum	3334	27.9	28.4	28.8	28.5	-	21.5	22.0	22.2	22.0	-
Nonferrous rolling and drawing	335	186.5	186.9	192.7	191.1	-	132.1	132.1	136.9	136.4	-
Copper rolling and drawing	3351	26.0	26.2	26.9	26.8	-	19.3	19.5	20.0	20.0	-
Aluminum sheet, plate, and foil	3353	30.7	30.9	30.9	29.9	-	23.8	23.6	22.9	22.6	-
Nonferrous wire drawing and insulating	3357	80.2	80.1	82.7	82.3	-	56.6	56.4	59.5	59.4	-
Nonferrous foundries	336	82.7	83.8	91.2	91.2	-	66.7	67.6	73.6	73.7	-
Aluminum foundries	3361	49.8	50.7	55.9	55.8	-	41.1	41.9	46.0	46.0	-
Fabricated metal products	34	1,418.3	1,426.8	1,504.7	1,504.2	1,501.3	1,038.2	1,043.8	1,113.3	1,114.1	1,112.6
Metal cans and shipping containers	341	60.9	61.3	60.8	59.9	-	51.3	51.8	51.6	50.6	-
Metal cans	3411	48.7	49.0	48.1	47.2	-	41.9	42.3	41.6	40.6	-
Cutlery, hand tools, and hardware	342	141.5	143.1	149.0	149.5	-	104.7	106.3	110.6	110.9	-
Hand and edge tools, and hand saws and blades	3423.5	44.3	44.6	46.9	47.2	-	32.5	32.7	34.5	34.8	-
Hardware, nec	3429	83.5	84.8	88.0	88.1	-	62.9	64.3	66.9	66.8	-
Plumbing and heating, except electric	343	64.0	64.1	65.8	65.5	-	45.7	45.7	47.3	47.2	-
Plumbing fittings and brass goods	3432	25.2	25.4	26.8	26.7	-	19.0	19.1	20.2	20.1	-
Heating equipment, except electric	3433	29.4	29.2	29.8	29.7	-	19.9	19.6	20.0	20.1	-
Fabricated structural metal products	344	442.6	442.6	468.4	467.4	-	301.1	299.2	324.5	324.4	-
Fabricated structural metal	3441	78.3	77.6	83.5	83.4	-	54.5	53.5	59.1	59.3	-
Metal doors, sash, and trim	3442	87.1	87.5	93.5	92.6	-	64.6	64.6	69.1	68.7	-
Fabricated plate work (boiler shops)	3443	105.6	105.4	107.2	107.1	-	60.7	59.8	64.1	63.9	-
Sheet metal work	3444	110.3	110.7	119.4	119.6	-	80.3	80.6	88.4	88.9	-
Architectural metal work	3446	27.3	27.7	27.9	27.8	-	18.9	19.1	19.9	19.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P
Durable goods—Continued											
Fabricated metal products—Continued											
Screw machine products, bolts, etc	345	87.9	89.3	96.7	97.5	-	66.1	67.3	74.4	75.1	-
Screw machine products	3451	41.2	42.1	46.8	47.4	-	32.8	33.6	38.1	38.8	-
Bolts, nuts, rivets, and washers	3452	46.7	47.2	49.9	50.1	-	33.3	33.7	36.3	36.3	-
Metal forgings and stampings	346	239.7	242.7	259.4	259.4	-	191.7	194.4	207.9	208.1	-
Iron and steel forgings	3462	31.6	32.0	34.3	34.3	-	23.9	24.3	26.4	26.5	-
Automotive stampings	3465	92.9	94.8	100.5	100.3	-	79.4	81.2	85.8	85.7	-
Metal stampings, nec	3469	104.2	104.9	113.4	113.6	-	80.0	80.5	87.3	87.6	-
Metal services, nec	347	97.6	98.5	103.8	104.4	-	77.9	78.5	83.4	83.8	-
Plating and polishing	3471	66.9	67.7	71.5	72.1	-	54.6	55.2	58.3	58.7	-
Metal coating and allied services	3479	30.7	30.8	32.3	32.3	-	23.3	23.3	25.1	25.1	-
Ordnance and accessories, nec	348	65.2	65.0	68.5	68.8	-	41.5	41.4	44.5	45.1	-
Ammunition, except for small arms, nec	3483	30.0	29.8	31.5	31.8	-	19.2	19.1	20.5	21.1	-
Misc. fabricated metal products	349	218.9	220.2	232.3	231.8	-	158.2	159.2	169.1	168.9	-
Valves and pipe fittings	3494	81.9	82.4	86.7	86.3	-	54.1	54.6	58.6	58.4	-
Misc. fabricated wire products	3496	54.7	55.2	56.4	56.1	-	41.8	42.1	42.9	42.7	-
Machinery, except electrical	35	2,072.5	2,103.0	2,249.8	2,249.4	2,248.6	1,232.5	1,259.2	1,373.6	1,373.1	1,370.5
Engines and turbines	351	98.9	109.1	113.5	113.9	-	57.4	66.9	70.3	70.7	-
Turbines and turbine generator sets	3511	35.5	35.4	34.9	35.0	-	17.3	17.5	17.6	17.7	-
Internal combustion engines, nec	3519	63.4	73.7	78.6	78.9	-	40.1	49.4	52.7	53.0	-
Farm and garden machinery	352	108.5	109.6	113.6	113.4	-	70.5	71.7	75.4	75.1	-
Farm machinery and equipment	3523	88.2	88.9	92.4	91.5	-	56.1	57.0	60.1	59.2	-
Construction and related machinery	353	256.0	257.5	281.8	281.8	-	150.3	152.9	175.2	175.7	-
Construction machinery	3531	89.4	89.5	96.0	95.6	-	50.4	51.2	59.8	59.9	-
Mining machinery	3532	20.5	20.8	25.0	24.9	-	11.5	11.8	15.2	15.1	-
Oil field machinery	3533	68.9	69.4	77.6	77.9	-	43.0	44.0	50.0	50.0	-
Conveyors and conveying equipment	3535	27.1	27.2	29.6	29.3	-	14.2	14.4	15.7	15.7	-
Industrial trucks and tractors	3537	25.9	26.1	28.7	28.7	-	16.5	16.6	19.3	19.4	-
Metalworking machinery	354	284.8	289.8	316.3	317.5	-	199.6	204.0	226.0	227.4	-
Machine tools, metal cutting types	3541	51.7	52.8	57.2	57.5	-	30.1	31.0	35.3	35.8	-
Machine tools, metal forming types	3542	17.6	17.9	19.5	19.7	-	10.4	10.7	12.1	12.2	-
Special dies, tools, jigs, and fixtures	3544	123.9	126.0	136.3	136.9	-	96.3	98.1	107.0	107.8	-
Machine tool accessories	3545	52.9	53.9	59.7	60.0	-	36.5	37.3	42.2	42.3	-
Power driven hand tools	3546	22.8	22.9	25.4	25.5	-	16.7	17.0	17.8	18.0	-
Special industry machinery	355	162.2	163.3	171.3	171.4	-	95.9	96.8	103.0	103.1	-
Food products machinery	3551	36.5	36.6	36.4	36.4	-	22.4	22.4	22.5	22.4	-
Textile machinery	3552	20.6	20.8	20.7	20.4	-	14.1	14.4	14.2	13.9	-
Printing trades machinery	3555	32.8	33.1	35.0	35.1	-	18.9	19.1	20.4	20.5	-
General industrial machinery	356	257.6	260.0	282.5	282.1	-	160.4	162.1	181.8	181.5	-
Pumps and pumping equipment	3561	49.5	50.1	54.4	53.8	-	27.8	28.5	32.0	31.4	-
Ball and roller bearings	3562	45.4	46.1	50.7	50.7	-	33.8	34.4	37.9	38.1	-
Air and gas compressors	3563	22.9	22.1	24.0	23.6	-	11.9	11.0	13.4	13.3	-
Blowers and fans	3564	32.6	32.8	34.6	34.5	-	19.7	19.7	21.7	21.6	-
Speed changers, drives, and gears	3566	19.6	19.8	21.1	21.1	-	12.7	12.9	14.2	14.3	-
Power transmission equipment, nec	3568	16.6	16.7	19.9	20.1	-	11.1	11.2	13.9	13.9	-
Office and computing machines	357	489.5	492.5	512.6	511.0	-	197.6	198.8	202.5	200.1	-
Electronic computing equipment	3573	424.2	426.1	446.4	444.7	-	165.1	164.7	167.9	166.0	-
Refrigeration and service machinery	358	167.7	169.8	185.8	184.0	-	115.9	117.9	131.1	129.1	-
Refrigeration and heating equipment	3585	117.7	119.5	131.0	129.2	-	82.6	84.4	94.3	92.3	-
Misc. machinery, except electrical	359	247.3	251.4	272.4	274.3	-	184.9	188.1	208.3	210.4	-
Carburetors, pistons, rings, and valves	3592	34.5	35.9	38.6	38.7	-	27.2	28.0	31.6	31.8	-
Machinery, except electrical, nec	3599	212.8	215.5	233.8	235.6	-	157.7	160.1	176.7	178.6	-
Electrical and electronic equipment	36	2,097.7	2,114.2	2,281.3	2,280.0	2,281.0	1,288.9	1,301.6	1,408.8	1,406.4	1,404.9
Electric distributing equipment	361	108.7	110.1	116.9	116.2	-	77.8	78.7	85.0	84.4	-
Transformers	3612	47.9	49.1	53.1	53.3	-	33.4	34.2	38.5	38.7	-
Switchgear and switchboard apparatus	3613	60.8	61.0	63.8	62.9	-	44.4	44.5	46.5	45.7	-
Electrical industrial apparatus	362	203.5	205.5	213.8	212.1	-	142.4	144.1	151.3	149.9	-
Motors and generators	3621	101.6	103.0	104.4	103.5	-	78.5	79.6	80.9	80.2	-
Industrial controls	3622	63.7	64.2	68.4	67.8	-	38.2	38.7	42.0	41.4	-
Household appliances	363	149.0	144.5	156.4	155.2	-	116.9	112.3	124.7	123.6	-
Household refrigerators and freezers	3632	29.0	24.3	28.6	27.4	-	23.5	18.9	22.9	22.0	-
Household laundry equipment	3633	19.7	19.6	20.6	20.6	-	15.2	15.2	16.3	16.1	-
Electric housewares and fans	3634	44.2	44.0	46.6	46.4	-	34.0	33.8	36.6	36.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p
Durable goods—Continued											
Electrical and electronic equipment—Continued											
Electric lighting and wiring equipment	364	193.7	195.3	207.8	207.2	-	142.6	144.2	152.1	151.2	-
Electric lamps	3641	28.3	28.4	29.7	29.9	-	24.6	24.7	25.7	25.7	-
Current-carrying wiring devices	3643	80.7	81.4	88.6	87.4	-	54.2	55.0	59.0	58.2	-
Noncurrent-carrying wiring devices	3644	17.5	17.5	18.1	18.1	-	12.8	12.8	13.0	12.9	-
Residential lighting fixtures	3645	27.0	26.9	27.5	27.8	-	20.8	20.5	20.9	21.2	-
Radio and TV receiving equipment	365	89.8	90.3	92.7	92.1	-	62.5	63.3	64.9	64.4	-
Radio and TV receiving sets	3651	69.1	69.0	72.2	71.5	-	47.1	47.4	49.6	48.9	-
Communication equipment	366	581.6	586.2	625.9	630.2	-	264.6	267.7	288.1	291.9	-
Telephone and telegraph apparatus	3661	143.2	145.1	154.6	154.4	-	91.2	92.6	100.2	100.7	-
Radio and TV communication equipment	3662	438.4	441.1	471.3	475.8	-	173.4	175.1	187.9	191.2	-
Electronic components and accessories	367	614.7	623.4	706.0	705.2	-	368.2	375.3	426.2	425.5	-
Electronic tubes	3671-3	39.9	40.1	42.4	42.3	-	24.8	24.8	26.1	26.0	-
Semiconductors and related devices	3674	242.3	245.5	283.3	282.1	-	104.0	106.2	123.5	121.8	-
Electronic components, nec	3679	255.2	259.0	291.2	292.3	-	181.0	184.4	207.8	209.4	-
Misc. electrical equipment and supplies	369	156.7	158.9	161.8	161.8	-	113.9	116.0	116.5	115.5	-
Storage batteries	3691	31.6	32.2	31.4	31.5	-	25.3	25.7	24.5	24.7	-
Engine electrical equipment	3694	61.5	62.6	65.9	65.9	-	48.4	49.7	51.5	51.1	-
Transportation equipment	37	1,834.8	1,843.3	1,962.5	1,960.3	1,958.3	1,171.9	1,184.6	1,256.1	1,249.5	1,246.3
Motor vehicles and equipment	371	824.4	831.6	884.7	880.7	886.6	633.4	641.9	681.1	677.9	-
Motor vehicles and car bodies	3711	383.9	384.1	396.6	395.1	-	285.1	286.6	292.7	290.8	-
Truck and bus bodies	3713	35.7	36.2	42.5	42.1	-	27.5	28.0	33.6	33.3	-
Motor vehicle parts and accessories	3714	364.1	369.1	396.4	394.7	-	289.1	294.1	315.9	315.4	-
Truck trailers	3715	26.2	27.4	33.3	32.5	-	20.0	21.1	26.2	25.3	-
Aircraft and parts	372	577.5	575.9	611.2	615.9	-	278.4	279.0	293.0	293.6	-
Aircraft	3721	306.6	302.5	325.0	327.3	-	130.2	128.5	136.5	137.5	-
Aircraft engines and engine parts	3724	139.4	141.0	147.2	148.1	-	72.8	74.3	76.4	76.4	-
Aircraft equipment, nec	3728	131.5	132.4	139.0	140.5	-	75.4	76.2	80.1	79.7	-
Ship and boat building and repairing	373	194.3	196.1	207.0	204.5	-	148.6	151.1	157.0	153.8	-
Ship building and repairing	3731	150.5	152.2	157.9	156.1	-	112.7	114.9	116.6	114.3	-
Boat building and repairing	3732	43.8	43.9	49.1	48.4	-	35.9	36.2	40.4	39.5	-
Railroad equipment	374	32.3	32.2	39.1	37.4	-	21.0	21.1	27.7	26.1	-
Guided missiles, space vehicles, and parts	376	143.3	144.3	157.2	158.7	-	46.3	47.1	54.0	54.7	-
Guided missiles and space vehicles	3761	111.1	111.8	121.3	122.4	-	34.8	35.3	41.0	41.3	-
Miscellaneous transportation equipment	379	47.4	47.3	49.3	48.8	-	32.5	32.5	33.1	33.0	-
Travel trailers and campers	3792	20.8	20.8	20.8	20.4	-	16.5	16.6	16.3	16.3	-
Instruments and related products	38	702.3	705.7	728.7	728.9	732.3	396.7	399.0	405.5	406.4	405.7
Engineering and scientific instruments	381	76.9	77.0	81.4	81.6	-	35.3	35.7	36.6	36.7	-
Measuring and controlling devices	382	236.8	238.5	255.5	255.8	-	140.1	140.4	146.8	146.8	-
Environmental controls	3822	44.4	44.1	47.3	47.1	-	29.1	28.5	30.4	30.1	-
Process control instruments	3823	52.0	52.2	54.6	54.5	-	24.6	24.6	26.6	27.0	-
Instruments to measure electricity	3825	99.2	100.2	108.7	109.1	-	58.7	59.0	60.6	60.7	-
Optical instruments and lenses	383	33.2	33.3	31.9	32.3	-	17.2	17.3	16.8	17.1	-
Medical instruments and supplies	384	172.6	173.9	174.8	174.4	-	105.2	106.5	105.5	105.7	-
Surgical and medical instruments	3841	85.6	85.9	83.8	83.5	-	49.9	50.3	47.4	47.5	-
Surgical appliances and supplies	3842	72.7	73.5	76.3	76.3	-	47.1	47.8	49.6	49.7	-
Ophthalmic goods	385	39.8	39.8	41.3	41.6	-	27.4	27.3	27.2	27.7	-
Photographic equipment and supplies	386	127.0	127.1	127.3	126.6	-	60.5	60.5	60.9	60.5	-
Watches, clocks, and watchcases	387	16.0	16.1	16.5	16.6	-	11.0	11.3	11.7	11.9	-
Miscellaneous manufacturing	39	386.8	386.0	397.7	401.1	398.2	282.7	282.4	292.9	296.3	293.9
Jewelry, silverware, and plated ware	391	55.9	55.9	53.9	55.3	-	40.1	40.0	37.5	38.9	-
Jewelry, precious metal	3911	38.0	37.9	36.1	37.3	-	27.3	27.2	25.0	26.1	-
Musical instruments	393	17.8	17.7	17.9	17.7	-	14.0	14.0	14.0	14.0	-
Toys and sporting goods	394	114.1	113.5	125.7	125.7	-	83.8	83.5	96.5	95.9	-
Dolls, games, toys, and children's vehicles	3942.4	60.5	59.2	66.7	65.9	-	43.1	42.2	50.8	49.6	-
Sporting and athletic goods, nec	3949	53.6	54.3	59.0	59.8	-	40.7	41.3	45.7	46.3	-
Pens, pencils, office, and art supplies	395	32.6	32.9	33.7	33.6	-	22.7	22.9	23.0	23.0	-
Costume jewelry and notions	396	40.1	40.5	37.9	39.5	-	31.4	31.8	29.0	30.7	-
Costume jewelry	3961	22.5	23.2	21.1	22.1	-	17.8	18.5	16.2	17.3	-
Miscellaneous manufactures	399	126.3	125.5	128.6	129.3	-	90.7	90.2	92.9	93.8	-
Signs and advertising displays	3993	48.0	47.9	52.7	52.9	-	33.9	33.7	37.4	37.6	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p
Nondurable goods		7,912	7,892	8,073	8,032	7,976	5,600	5,578	5,718	5,674	5,620
Food and kindred products	20	1,679.7	1,648.9	1,729.8	1,698.7	1,659.2	1,173.5	1,142.4	1,225.7	1,195.1	1,154.5
Meat products	201	355.4	356.6	359.8	367.1	-	297.8	298.4	303.0	308.4	-
Meat packing plants	2011	147.7	148.3	146.5	149.5	-	120.9	121.0	121.5	123.8	-
Sausages and other prepared meats	2013	72.5	73.3	71.3	72.8	-	53.9	54.7	52.4	52.9	-
Poultry dressing plants	2016	117.3	117.4	124.1	125.8	-	107.2	107.1	113.1	114.7	-
Dairy products	202	164.9	164.0	164.7	162.3	-	95.1	94.3	95.9	93.4	-
Cheese, natural and processed	2022	38.2	38.4	37.1	36.7	-	29.2	29.4	28.1	27.6	-
Fluid milk	2026	89.2	89.0	88.8	88.3	-	41.4	41.1	42.8	42.3	-
Preserved fruits and vegetables	203	258.5	232.6	313.5	271.1	-	217.3	190.8	269.9	229.4	-
Canned specialties	2032	26.9	25.8	29.0	26.6	-	20.4	18.9	22.0	20.7	-
Canned fruits and vegetables	2033	96.3	78.4	139.2	100.7	-	81.2	63.6	122.7	85.1	-
Frozen fruits and vegetables	2037	53.9	50.1	59.1	58.5	-	46.9	43.1	52.9	52.1	-
Grain mill products	204	131.5	130.4	130.4	130.3	-	88.8	87.4	88.7	89.4	-
Flour and other grain mill products	2041	25.3	25.5	24.4	24.5	-	15.0	15.1	14.7	15.0	-
Prepared feeds, nec	2048	47.8	47.0	47.1	46.7	-	30.3	29.4	29.9	29.8	-
Bakery products	205	215.8	216.8	213.4	211.9	-	128.6	129.4	127.7	125.8	-
Bread, cake, and related products	2051	171.9	172.4	168.9	168.9	-	93.4	93.7	92.0	91.9	-
Cookies and crackers	2052	43.9	44.4	44.5	43.0	-	35.2	35.7	35.7	33.9	-
Sugar and confectionery products	206	114.7	115.2	106.2	117.2	-	90.6	90.8	82.8	92.5	-
Cane and beet sugar	2061-3	34.2	31.9	26.2	32.4	-	27.3	24.9	20.8	25.9	-
Confectionery products	2065	60.8	63.7	59.4	64.1	-	50.1	52.8	48.1	52.5	-
Fats and oils	207	40.2	40.5	38.7	42.2	-	29.9	30.2	28.3	31.1	-
Beverages	208	228.0	225.4	228.6	223.9	-	97.5	95.9	98.5	96.0	-
Malt beverages	2082	48.7	48.6	48.0	46.7	-	29.3	29.0	29.7	28.6	-
Bottled and canned soft drinks	2086	130.9	130.0	133.7	131.7	-	41.7	41.3	43.4	42.5	-
Misc. food and kindred products	209	170.7	167.4	174.5	172.7	-	127.9	125.2	130.9	129.1	-
Tobacco manufactures	21	72.9	68.3	73.5	74.3	72.2	56.6	52.2	57.4	58.3	56.3
Cigarettes	211	46.4	46.4	44.8	45.0	-	34.6	34.8	33.5	34.0	-
Textile mill products	22	764.9	764.2	752.3	740.3	732.2	662.2	662.0	650.7	639.4	632.4
Weaving mills, cotton	221	126.2	126.9	122.3	117.7	-	112.6	113.4	109.5	105.3	-
Weaving mills, synthetics	222	93.7	93.1	92.4	91.6	-	84.0	83.5	82.2	81.5	-
Weaving and finishing mills, wool	223	18.3	18.3	18.5	18.5	-	15.4	15.3	15.6	15.5	-
Narrow fabric mills	224	22.7	22.9	23.1	22.9	-	19.6	19.8	19.8	19.5	-
Knitting mills	225	211.0	210.7	206.1	203.4	-	183.3	183.4	179.5	177.1	-
Women's hosiery, except socks	2251	34.8	35.1	33.4	33.1	-	31.3	31.6	29.9	29.7	-
Hosiery, nec	2252	35.6	35.3	35.1	34.6	-	32.1	31.9	31.4	30.9	-
Knit outerwear mills	2253	64.3	64.1	62.8	61.4	-	55.5	55.1	54.2	53.0	-
Knit underwear mills	2254	31.0	31.2	30.4	30.3	-	26.4	26.8	26.2	26.1	-
Circular knit fabric mills	2257	25.6	25.6	25.2	24.9	-	21.6	21.7	21.6	21.3	-
Textile finishing, except wool	226	64.7	64.5	63.4	63.0	-	54.1	54.0	53.3	53.0	-
Finishing plants, cotton	2261	25.5	25.3	24.9	24.8	-	21.3	21.0	21.0	20.9	-
Finishing plants, synthetics	2262	24.0	24.1	23.4	23.3	-	20.0	20.2	19.5	19.4	-
Floor covering mills	227	50.9	50.5	54.3	54.2	-	40.9	40.7	44.2	44.0	-
Yarn and thread mills	228	114.7	114.5	110.6	107.6	-	102.6	102.2	97.9	95.0	-
Yarn mills, except wool	2281	78.9	78.8	75.9	73.3	-	71.2	71.1	68.2	65.4	-
Throwing and winding mills	2282	18.0	17.9	17.4	17.1	-	16.1	15.9	15.2	15.2	-
Miscellaneous textile goods	229	62.7	62.8	61.6	61.4	-	49.7	49.7	48.7	48.5	-
Apparel and other textile products	23	1,204.9	1,206.7	1,199.4	1,197.8	1,187.0	1,020.7	1,021.3	1,015.1	1,013.0	1,003.0
Men's and boys' suits and coats	231	71.8	72.4	72.6	72.2	-	62.9	63.1	63.9	63.4	-
Men's and boys' furnishings	232	337.8	338.0	344.6	340.3	-	288.9	289.0	296.8	293.1	-
Men's and boys' shirts and nightwear	2321	97.7	97.5	100.6	99.9	-	84.0	83.9	87.3	86.6	-
Men's and boys' separate trousers	2327	64.3	65.0	67.7	66.4	-	55.8	56.2	59.0	57.9	-
Men's and boys' work clothing	2328	103.2	102.5	101.5	100.3	-	87.1	86.6	86.5	85.9	-
Women's and misses' outerwear	233	397.1	396.9	380.6	381.5	-	335.4	335.4	320.1	320.6	-
Women's and misses' blouses and waists	2331	60.4	60.0	58.3	59.3	-	51.5	51.2	49.4	50.3	-
Women's and misses' dresses	2335	128.0	126.3	118.1	117.4	-	109.4	107.7	100.2	99.2	-
Women's and misses' suits and coats	2337	60.1	59.9	58.8	56.4	-	50.6	50.2	48.8	46.4	-
Women's and misses' outerwear, nec	2339	148.6	150.7	145.4	148.4	-	123.9	126.3	121.7	124.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P
Nondurable goods—Continued											
Apparel and other textile products—Continued											
Women's and children's undergarments	234	88.1	88.5	87.7	88.7	-	74.5	74.9	73.8	74.6	-
Women's and children's underwear	2341	71.5	71.7	71.9	73.0	-	62.2	62.3	62.1	63.0	-
Brassieres and allied garments	2342	16.6	16.8	15.8	15.7	-	12.3	12.6	11.7	11.6	-
Children's outerwear	236	61.4	61.5	62.9	62.9	-	52.3	52.5	53.2	53.1	-
Children's dresses and blouses	2361	25.3	25.3	25.5	25.6	-	22.3	22.4	22.4	22.6	-
Misc. apparel and accessories	238	48.2	47.9	48.8	48.9	-	40.3	39.9	40.4	40.6	-
Misc. fabricated textile products	239	180.8	182.0	181.2	182.3	-	149.8	150.3	149.8	150.5	-
Curtains and draperies	2391	26.7	26.9	26.2	26.5	-	22.0	22.2	21.5	21.8	-
House furnishings, nec	2392	53.5	53.6	53.3	54.2	-	45.4	45.4	45.5	46.2	-
Automotive and apparel trimmings	2396	33.2	33.6	32.8	32.3	-	27.5	27.9	27.1	26.6	-
Paper and allied products	26	670.7	672.0	684.4	686.0	684.4	502.8	504.2	514.0	510.8	512.3
Paper and pulp mills	261,2,6	201.5	202.2	203.7	204.2	-	151.7	152.3	152.6	152.7	-
Paper mills, except building paper	262	175.3	175.9	177.6	178.5	-	130.3	131.0	131.3	131.8	-
Paperboard mills	263	59.1	59.4	59.0	58.7	-	45.3	45.6	45.4	45.0	-
Misc. converted paper products	264	215.9	215.3	224.0	224.3	-	156.5	156.2	163.3	159.1	-
Paper coating and glazing	2641	55.8	56.2	58.4	59.0	-	36.0	36.7	37.7	33.3	-
Envelopes	2642	25.1	25.2	25.8	26.0	-	19.4	19.6	19.9	20.1	-
Bags, except textile bags	2643	48.1	48.0	49.4	49.5	-	37.6	37.5	38.7	38.7	-
Paperboard containers and boxes	265	194.2	195.1	197.7	198.8	-	149.3	150.1	152.7	154.0	-
Folding paperboard boxes	2651	41.5	41.5	41.7	41.8	-	32.5	32.4	32.9	33.0	-
Corrugated and solid fiber boxes	2653	100.3	101.0	102.3	103.2	-	75.1	75.7	77.1	77.9	-
Sanitary food containers	2654	22.8	22.8	23.1	22.8	-	18.8	18.8	19.1	18.8	-
Printing and publishing	27	1,310.9	1,320.9	1,372.6	1,378.8	1,388.0	719.9	728.0	757.7	762.0	765.5
Newspapers	271	434.3	436.0	445.4	447.6	-	163.4	165.0	168.4	170.2	-
Periodicals	272	100.4	100.8	104.9	105.8	-	21.9	22.3	24.5	24.6	-
Books	273	94.7	96.4	100.7	100.3	-	45.3	46.6	47.9	47.4	-
Book publishing	2731	71.1	71.8	74.9	74.8	-	26.4	26.8	27.3	27.0	-
Book printing	2732	23.6	24.6	25.8	25.5	-	18.9	19.8	20.6	20.4	-
Miscellaneous publishing	274	53.2	53.5	56.1	56.1	-	28.6	28.9	29.9	29.8	-
Commercial printing	275	444.5	449.5	473.6	476.4	-	326.4	330.5	347.4	349.7	-
Commercial printing, letterpress	2751	152.5	153.8	163.1	164.3	-	113.6	114.3	121.4	122.4	-
Commercial printing, lithographic	2752	267.7	270.7	284.9	286.5	-	193.5	196.2	205.4	206.7	-
Manifold business forms	276	48.1	48.5	48.7	48.8	-	33.3	33.6	33.7	33.7	-
Blankbooks and bookbinding	278	66.6	66.5	70.6	70.8	-	54.0	53.5	57.3	57.5	-
Printing trade services	279	45.0	45.5	46.5	46.8	-	33.5	34.0	34.2	34.5	-
Chemicals and allied products	28	1,047.0	1,047.2	1,065.2	1,062.5	1,063.8	580.7	582.1	590.7	588.1	590.9
Industrial inorganic chemicals	281	154.1	154.7	158.0	158.2	-	77.6	78.3	79.9	79.6	-
Industrial inorganic chemicals, nec	2819	104.8	105.6	108.9	109.1	-	53.9	54.6	56.5	56.4	-
Plastics materials and synthetics	282	176.4	176.2	175.5	175.2	-	114.6	114.9	115.6	115.2	-
Plastics materials and resins	2821	74.8	74.7	76.7	76.6	-	43.4	43.6	45.3	45.2	-
Organic fibers, noncellulosic	2824	71.6	71.4	69.2	69.2	-	50.2	50.3	48.6	48.5	-
Drugs	283	200.0	199.6	199.5	199.3	-	97.7	97.5	89.8	89.9	-
Pharmaceutical preparations	2834	158.2	157.6	159.8	158.6	-	75.8	75.6	73.0	72.1	-
Soap, cleaners, and toilet goods	284	144.9	144.8	151.6	149.5	-	91.1	90.7	98.7	96.1	-
Soap and other detergents	2841	43.4	43.6	43.6	43.8	-	28.3	28.5	28.9	28.8	-
Toilet preparations	2844	63.7	63.5	70.0	67.7	-	42.1	41.7	48.6	46.2	-
Polishing, sanitation, and finishing preparations	2842,3	37.8	37.7	38.0	38.0	-	20.7	20.5	21.2	21.1	-
Paints and allied products	285	60.6	60.2	62.2	61.9	-	29.7	29.4	30.6	30.2	-
Industrial organic chemicals	286	161.4	161.6	164.0	163.9	-	82.7	82.8	84.4	84.8	-
Cyclic crudes and intermediates	2865	33.2	33.1	33.1	32.9	-	19.8	19.8	20.4	19.9	-
Gum, wood, and industrial organic chemicals, nec	2861,9	128.2	128.5	130.9	131.0	-	62.9	63.0	64.0	64.9	-
Agricultural chemicals	287	58.7	59.3	59.9	59.9	-	35.1	36.0	36.8	37.1	-
Miscellaneous chemical products	289	90.9	90.8	94.5	94.6	-	52.2	52.5	54.9	55.2	-
Petroleum and coal products	29	194.7	193.0	188.6	187.8	185.5	117.5	115.3	112.2	113.1	112.2
Petroleum refining	291	155.4	154.7	149.0	148.4	-	88.9	87.9	83.6	84.5	-
Paving and roofing materials	295	28.1	26.9	28.2	28.0	-	21.6	20.4	21.5	21.5	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P
Nondurable goods—Continued											
Rubber and misc. plastics products	30	752.3	757.5	808.5	808.6	807.9	586.7	590.4	629.1	630.1	630.6
Tires and inner tubes	301	96.9	96.9	102.9	102.6	-	69.6	68.8	72.5	72.5	-
Rubber and plastics footwear	302	16.3	16.7	16.0	15.4	-	13.6	14.1	13.7	13.2	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	21.7	22.1	23.7	23.7	-	15.3	15.6	15.9	16.1	-
Fabricated rubber products, nec	306	105.0	106.1	109.9	109.9	-	81.0	82.1	84.8	85.0	-
Miscellaneous plastics products	307	512.4	515.7	556.0	557.0	-	407.2	409.8	442.2	443.3	-
Leather and leather products	31	213.5	213.7	198.7	196.8	195.3	179.5	179.6	165.5	163.8	161.9
Leather tanning and finishing	311	19.3	19.2	17.3	16.9	-	16.1	16.0	14.3	13.9	-
Footwear, except rubber	314	128.3	128.5	117.4	116.2	-	109.8	110.2	99.7	98.6	-
Men's footwear, except athletic	3143	52.2	52.3	49.1	48.6	-	42.5	42.7	39.8	39.5	-
Women's footwear, except athletic	3144	48.1	48.5	44.1	43.6	-	42.9	43.2	38.6	38.1	-
Luggage	316	12.8	12.6	12.0	12.0	-	9.5	9.3	8.9	9.0	-
Handbags and personal leather goods	317	29.8	29.7	28.4	28.3	-	24.7	24.5	23.0	23.0	-
Transportation and public utilities		5,098	5,071	5,265	5,272	5,280	4,203	4,175	4,347	4,354	4,362
Transportation		2,821	2,791	2,987	3,002	3,003	-	-	-	-	-
Railroad transportation	40	385.6	370.4	377.1	372.8	-	-	-	-	-	-
Class I railroads ²	4011	356.0	341.0	348.2	343.5	-	-	-	-	-	-
Local and interurban passenger transit	41	269.4	250.4	269.1	272.7	-	250.3	233.4	248.5	251.6	-
Local and suburban transportation	411	78.9	78.8	81.4	81.0	-	72.6	72.5	74.3	74.0	-
Taxicabs	412	38.8	38.8	37.9	38.4	-	-	-	-	-	-
Intercity highway transportation	413	38.5	21.0	39.8	37.0	-	35.0	19.3	36.9	33.9	-
School buses	415	92.5	91.5	89.8	95.6	-	-	-	-	-	-
Trucking and warehousing	42	1,264.1	1,272.2	1,335.4	1,355.3	-	1,103.9	1,111.0	1,164.7	1,185.4	-
Trucking and trucking terminals	421,3	1,171.9	1,180.9	1,245.7	1,256.4	-	1,025.8	1,033.6	1,089.7	1,101.5	-
Public warehousing	422	92.2	91.3	89.7	98.9	-	78.1	77.4	75.0	83.9	-
Water transportation	44	196.2	194.3	234.6	230.0	-	-	-	-	-	-
Local water transportation	445	29.1	28.6	31.0	30.3	-	-	-	-	-	-
Water transportation services	446	99.3	98.3	133.9	129.8	-	-	-	-	-	-
Transportation by air	45	455.4	454.7	492.0	491.3	-	-	-	-	-	-
Air transportation	451,2	399.9	398.9	429.6	429.5	-	-	-	-	-	-
Air transportation services	458	55.5	55.8	62.4	61.8	-	-	-	-	-	-
Pipe lines, except natural gas	46	20.3	20.3	21.0	20.4	-	14.4	14.3	14.9	14.6	-
Transportation services	47	230.3	229.0	258.0	259.5	-	-	-	-	-	-
Freight forwarding	471	54.8	55.0	65.2	65.4	-	-	-	-	-	-
Communication and public utilities		2,277	2,280	2,278	2,270	2,277	-	-	-	-	-
Communication	48	1,392.2	1,394.9	1,385.9	1,380.1	-	1,057.3	1,058.4	1,049.1	1,044.2	-
Telephone communication	481	1,012.5	1,012.4	979.4	973.4	-	754.5	754.1	727.0	721.5	-
Radio and television broadcasting	483	225.5	225.8	231.4	231.1	-	181.4	181.6	186.7	186.9	-
Radio broadcasting	4832	110.8	111.0	111.5	111.1	-	-	-	-	-	-
Television broadcasting	4833	114.7	114.8	119.9	120.0	-	-	-	-	-	-
Electric, gas, and sanitary services	49	884.5	885.1	892.1	890.2	-	705.3	705.2	710.0	707.3	-
Electric services	491	431.7	433.3	441.8	442.2	-	339.7	340.2	344.9	345.3	-
Gas production and distribution	492	172.4	171.7	171.5	170.7	-	137.4	136.6	134.7	133.7	-
Combination utility services	493	203.1	203.1	198.8	197.8	-	160.9	161.4	161.3	159.9	-
Sanitary services	495	54.0	53.9	56.1	56.0	-	48.3	48.2	49.5	49.1	-
Wholesale trade		5,344	5,363	5,605	5,638	5,647	4,300	4,313	4,525	4,556	4,564
Durable goods	50	3,118	3,132	3,296	3,308	3,315	2,485	2,499	2,643	2,654	-
Motor vehicles and automotive equipment	501	404.1	405.3	421.9	421.7	-	318.1	319.6	339.4	339.1	-
Automobiles and other motor vehicles	5012	96.4	96.6	103.7	103.4	-	-	-	-	-	-
Automotive parts and supplies	5013	273.5	274.4	284.1	283.9	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p
Wholesale trade—Continued											
Durable goods—Continued											
Furniture and home furnishings	502	114.5	116.2	120.8	122.0	-	94.4	96.7	101.6	102.6	-
Furniture	5021	48.5	49.4	50.7	51.0	-	-	-	-	-	-
Home furnishings	5023	66.0	66.8	70.1	71.0	-	-	-	-	-	-
Lumber and construction materials	503	195.3	195.8	205.6	206.3	-	161.6	162.2	171.0	171.9	-
Lumber, plywood, and millwork	5031	87.5	88.3	95.5	95.5	-	-	-	-	-	-
Construction materials, nec	5039	107.8	107.5	110.1	110.8	-	-	-	-	-	-
Sporting goods, toys, and hobby goods	504	72.0	71.8	73.3	73.3	-	57.8	57.5	61.3	61.3	-
Metals and minerals, except petroleum	505	128.8	129.0	133.6	133.8	-	102.5	102.8	107.7	107.8	-
Electrical goods	506	447.5	451.8	472.3	475.4	-	356.4	360.3	375.8	378.5	-
Electrical apparatus and equipment	5063	240.2	242.1	251.4	253.5	-	-	-	-	-	-
Electrical appliances, TV and radios	5064	71.7	72.3	72.6	73.4	-	-	-	-	-	-
Electronic parts and equipment	5065	135.6	137.4	148.3	148.5	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	238.7	238.5	250.2	250.6	-	193.5	194.0	202.7	203.1	-
Hardware	5072	80.4	80.3	83.5	84.0	-	-	-	-	-	-
Plumbing and hydronic heating supplies	5074	99.5	99.4	104.9	104.4	-	-	-	-	-	-
Machinery, equipment, and supplies	508	1,328.9	1,334.6	1,421.7	1,427.1	-	1,045.3	1,049.0	1,120.9	1,126.1	-
Commercial machines and equipment	5081	452.1	456.2	490.5	492.7	-	-	-	-	-	-
Construction and mining machinery	5082	74.2	74.6	80.7	81.3	-	-	-	-	-	-
Farm machinery and equipment	5083	135.8	134.1	140.2	140.2	-	-	-	-	-	-
Industrial machinery and equipment	5084	294.1	295.4	314.7	318.4	-	-	-	-	-	-
Industrial supplies	5085	125.7	126.1	136.0	137.1	-	-	-	-	-	-
Professional equipment and supplies	5086	149.7	151.2	158.6	156.2	-	-	-	-	-	-
Miscellaneous durable goods	509	167.8	189.1	196.1	197.3	-	155.8	157.0	162.6	163.9	-
Scrap and waste materials	5093	87.0	87.7	93.4	93.6	-	-	-	-	-	-
Nondurable goods	51	2,226	2,231	2,309	2,330	2,332	1,815	1,814	1,882	1,902	-
Paper and paper products	511	165.1	166.7	173.1	174.0	-	134.5	135.6	140.7	141.0	-
Drugs, proprietaries, and sundries	512	154.5	155.6	155.4	156.1	-	128.9	129.8	128.7	129.1	-
Apparel, piece goods, and notions	513	173.1	173.9	178.3	179.2	-	129.5	129.8	132.5	133.5	-
Groceries and related products	514	698.7	700.0	732.8	739.3	-	603.3	603.9	631.6	637.3	-
Groceries, general line	5141	220.9	222.9	232.8	234.5	-	-	-	-	-	-
Meats and meat products	5147	64.4	64.3	65.1	65.4	-	-	-	-	-	-
Fresh fruits and vegetables	5148	92.6	90.8	97.0	95.6	-	-	-	-	-	-
Chemicals and allied products	516	123.7	124.2	127.6	127.9	-	86.6	86.9	88.2	89.5	-
Petroleum and petroleum products	517	207.0	207.8	206.7	206.6	-	152.7	153.2	154.5	155.3	-
Petroleum bulk stations and terminals	5171	81.0	81.5	82.9	82.9	-	-	-	-	-	-
Petroleum products, nec	5172	126.0	126.3	123.8	123.7	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	148.8	149.3	154.5	154.9	-	125.3	125.9	129.2	129.4	-
Beer and ale	5181	92.6	92.4	96.7	96.4	-	-	-	-	-	-
Wines and distilled beverages	5182	56.2	56.9	57.8	58.5	-	-	-	-	-	-
Miscellaneous nondurable goods	519	401.7	399.8	416.1	420.6	-	325.1	321.3	339.4	343.5	-
Farm supplies	5191	148.9	145.9	158.5	161.8	-	-	-	-	-	-
Retail trade		15,802	16,022	16,489	16,545	16,828	14,177	14,388	14,758	14,812	15,077
Building materials and garden supplies	52	631.1	630.7	658.9	659.3	-	531.8	532.1	556.6	557.4	-
Lumber and other building materials	521	335.3	334.7	349.2	349.5	-	285.0	284.7	297.2	297.7	-
Hardware stores	525	149.9	151.7	156.8	158.0	-	127.1	128.8	132.4	133.0	-
General merchandise stores	53	2,186.0	2,313.3	2,285.8	2,355.6	2,517.9	2,048.9	2,174.7	2,137.9	2,200.2	-
Department stores	531	1,847.8	1,964.8	1,943.5	2,007.5	-	1,743.6	1,859.0	1,831.5	1,888.8	-
Variety stores	533	215.2	221.2	214.2	219.7	-	198.2	203.9	195.3	199.7	-
Misc. general merchandise stores	539	123.0	127.3	128.1	128.4	-	107.1	111.8	111.1	111.7	-
Food stores	54	2,595.2	2,620.9	2,660.8	2,686.1	2,724.5	2,413.4	2,440.7	2,473.5	2,500.1	-
Grocery stores	541	2,271.5	2,287.6	2,338.2	2,355.7	-	2,121.7	2,139.4	2,184.7	2,203.8	-
Meat markets and freezer provisioners	542	58.5	57.9	57.0	56.8	-	-	-	-	-	-
Dairy products stores	545	38.5	42.0	39.2	39.5	-	-	-	-	-	-
Retail bakeries	546	144.8	146.4	151.3	155.6	-	132.6	133.7	136.9	140.6	-
Automotive dealers and service stations	55	1,701.6	1,702.0	1,770.7	1,769.0	1,772.1	1,434.6	1,433.7	1,484.9	1,484.4	-
New and used car dealers	551,2	780.5	784.2	825.7	828.2	-	643.7	646.6	680.0	682.6	-
Auto and home supply stores	553	279.6	280.2	287.9	287.6	-	241.5	241.9	241.1	240.8	-
Gasoline service stations	554	566.9	563.6	576.0	574.9	-	489.5	485.8	499.8	499.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P
Retail trade—Continued											
Apparel and accessory stores	56	958.4	988.3	967.6	977.2	-	811.1	840.8	813.1	823.3	-
Men's and boys' clothing and furnishings	561	114.9	119.0	110.1	112.6	-	96.2	100.2	91.4	94.0	-
Women's ready-to-wear stores	562	349.0	358.2	359.2	362.5	-	297.8	306.3	304.7	308.3	-
Family clothing stores	565	175.8	185.1	178.7	181.6	-	153.4	162.4	155.0	157.9	-
Shoe stores	566	206.4	210.1	206.1	206.3	-	168.0	172.3	167.0	167.2	-
Furniture and home furnishings stores	57	622.9	638.6	664.7	674.7	-	522.3	535.2	554.0	563.2	-
Furniture and home furnishings stores	571	370.5	381.1	383.3	386.6	-	309.9	319.4	319.6	322.5	-
Furniture stores	5712	237.8	240.9	245.6	247.5	-	-	-	-	-	-
Household appliance stores	572	81.9	81.8	81.9	83.2	-	70.3	70.0	69.2	70.3	-
Radio, television, and music stores	573	170.5	175.7	199.5	204.9	-	142.1	145.8	165.2	170.4	-
Radio and television stores	5732	112.5	115.9	135.6	141.4	-	-	-	-	-	-
Music stores	5733	58.0	59.8	63.9	63.5	-	-	-	-	-	-
Eating and drinking places	58	5,093.6	5,049.9	5,412.5	5,305.0	5,268.5	4,670.0	4,624.5	4,958.7	4,855.1	-
Miscellaneous retail	59	2,012.9	2,077.8	2,068.4	2,118.2	-	1,745.3	1,806.5	1,779.6	1,828.2	-
Drug stores and proprietary stores	591	507.0	517.6	540.5	549.9	-	448.7	458.8	474.7	481.7	-
Liquor stores	592	127.3	127.2	121.8	122.8	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	659.8	701.8	673.0	691.0	-	566.6	608.4	575.9	593.9	-
Sporting goods and bicycle shops	5941	114.3	123.9	116.4	118.9	-	-	-	-	-	-
Book stores	5942	64.5	67.1	69.3	68.7	-	-	-	-	-	-
Stationery stores	5943	64.4	65.7	67.9	68.7	-	-	-	-	-	-
Jewelry stores	5944	143.6	149.6	139.4	144.3	-	-	-	-	-	-
Gift, novelty, and souvenir shops	5947	113.5	118.8	116.4	117.0	-	-	-	-	-	-
Sewing, needlework, and piece goods	5949	64.4	66.8	69.4	70.4	-	-	-	-	-	-
Nonstore retailers	596	262.6	270.9	263.0	273.2	-	241.3	248.9	237.9	248.2	-
Mail order houses	5961	130.1	137.0	126.7	133.8	-	-	-	-	-	-
Merchandising machine operators	5962	80.3	80.6	84.0	84.9	-	-	-	-	-	-
Fuel and ice dealers	598	101.6	104.5	104.2	108.0	-	83.7	86.4	86.6	90.2	-
Retail stores, nec	599	286.6	287.1	293.1	299.4	-	239.7	238.6	241.7	248.9	-
Finance, insurance, and real estate²		5,508	5,520	5,707	5,705	5,714	4,097	4,105	4,240	4,233	4,235
Finance		2,770	2,783	2,862	2,869	2,883	-	-	-	-	-
Banking	60	1,664.2	1,667.1	1,687.4	1,687.4	-	1,236.8	1,238.0	1,248.4	1,247.5	-
Commercial and stock savings banks	602	1,508.6	1,510.9	1,533.5	1,534.1	-	1,116.0	1,116.8	1,127.5	1,126.1	-
State banks, Federal Reserve	6022	332.4	333.3	338.0	338.1	-	-	-	-	-	-
State banks, not Federal Reserve	6023.4	378.6	378.9	385.9	386.6	-	-	-	-	-	-
Mutual savings banks	603	75.4	75.7	77.3	77.5	-	-	-	-	-	-
Credit agencies other than banks	61	644.3	648.2	690.2	694.7	-	490.7	494.2	525.4	528.9	-
Savings and loan associations	612	300.2	302.2	317.6	319.5	-	231.2	233.2	244.2	245.1	-
Federal savings and loan associations	6122	173.7	175.0	182.5	182.5	-	-	-	-	-	-
State associations, insured	6123	117.7	118.3	125.5	127.4	-	-	-	-	-	-
Personal credit institutions	614	201.5	202.9	212.4	214.0	-	154.2	155.3	163.5	165.2	-
Business credit institutions	615	36.0	36.2	39.6	40.2	-	-	-	-	-	-
Mortgage bankers and brokers	616	83.5	83.8	96.6	97.0	-	-	-	-	-	-
Security, commodity brokers, and services	62	322.8	326.5	343.3	344.3	-	-	-	-	-	-
Security brokers and dealers	621	264.0	267.1	280.5	281.6	-	-	-	-	-	-
Holding and other investment offices	67	139.0	141.0	141.5	142.7	-	-	-	-	-	-
Insurance		1,722	1,725	1,764	1,771	1,776	-	-	-	-	-
Insurance carriers	63	1,234.7	1,236.4	1,247.6	1,250.6	-	830.5	832.1	846.9	848.0	-
Life insurance	631	540.3	540.9	535.7	537.0	-	322.3	322.8	325.9	326.2	-
Medical service and health insurance	632	146.4	147.1	156.3	157.6	-	117.2	117.4	125.6	126.6	-
Fire, marine, and casualty insurance	633	469.5	469.5	472.5	473.5	-	328.4	328.6	329.8	330.1	-
Title insurance	636	43.8	44.1	45.6	45.1	-	-	-	-	-	-
Insurance agents, brokers, and service	64	487.7	488.6	516.0	520.0	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P
Finance, insurance, and real estate—Continued											
Real estate, and combined real estate, insurance, etc		1,016	1,012	1,081	1,065	1,055	-	-	-	-	-
Real estate	65	1,000.2	996.4	1,065.2	1,049.1	-	-	-	-	-	
Real estate operators and lessors	651	485.0	482.7	503.5	493.8	-	-	-	-	-	
Real estate agents and managers	653	366.9	368.0	399.0	396.3	-	-	-	-	-	
Subdividers and developers	655	124.1	121.0	134.9	131.7	-	-	-	-	-	
Combined real estate, insurance, etc	66	15.3	15.3	16.0	16.1	-	-	-	-	-	
Services		20,027	20,024	20,944	21,027	21,053	17,745	17,738	18,532	18,609	18,624
Hotels and other lodging places	70	1,181.8	1,154.8	1,304.1	1,261.2	-	-	-	-	-	
Hotels, motels, and tourist courts	701	1,150.4	1,125.4	1,260.8	1,229.1	-	1,044.2	1,019.0	1,140.9	1,111.1	
Personal services	72	954.0	961.6	992.4	1,010.7	-	-	-	-	-	
Laundry, cleaning, and garment services	721	352.2	354.1	360.6	364.9	-	313.2	314.8	321.5	325.1	
Photographic studios, portrait	722	57.1	59.0	58.5	63.3	-	-	-	-	-	
Beauty shops	723	302.7	304.8	322.8	325.7	-	279.0	280.4	292.2	295.0	
Funeral service and crematories	726	72.4	72.4	73.2	73.6	-	-	-	-	-	
Business services	73	3,713.9	3,735.1	4,117.7	4,155.8	4,168.3	3,227.8	3,248.3	3,600.2	3,632.9	
Advertising	731	172.6	173.2	177.6	179.8	-	130.7	131.1	133.7	136.0	
Advertising agencies	7311	131.0	131.7	135.4	137.3	-	-	-	-	-	
Credit reporting and collection	732	75.7	76.4	80.2	81.0	-	-	-	-	-	
Mailing, reproduction, and stenographic	733	153.5	155.8	161.7	166.7	-	-	-	-	-	
Services to buildings	734	572.6	575.2	625.4	627.6	-	520.9	523.5	571.0	571.3	
Personnel supply services	736	708.2	707.9	874.8	881.4	-	-	-	-	-	
Employment agencies	7361	142.8	142.6	173.5	176.7	-	-	-	-	-	
Temporary help supply services	7362	533.7	532.8	664.6	668.2	-	-	-	-	-	
Computer and data processing services	737	434.3	438.5	483.1	491.5	-	363.8	368.3	402.8	408.9	
Computer programming and software	7372	143.8	144.8	160.0	164.1	-	-	-	-	-	
Data processing services	7374	226.4	229.1	252.6	257.3	-	-	-	-	-	
Miscellaneous business services	739	1,589.2	1,600.3	1,707.1	1,720.0	-	-	-	-	-	
Research development laboratories, nec	7391	174.2	175.4	185.6	186.8	-	-	-	-	-	
Management and public relations	7392	416.6	418.3	440.2	452.3	-	-	-	-	-	
Detective and protective services	7393	372.0	374.6	395.8	391.2	-	-	-	-	-	
Equipment rental and leasing	7394	135.6	138.5	148.2	151.1	-	-	-	-	-	
Photofinishing laboratories	7395	80.5	83.1	82.1	81.5	-	-	-	-	-	
Auto repair, services, and garages	75	630.3	633.1	691.4	698.0	-	532.5	535.2	584.0	590.4	
Automotive rentals, without drivers	751	126.4	127.5	136.0	135.7	-	-	-	-	-	
Automotive repair shops	753	389.7	391.6	426.2	429.7	-	325.3	327.3	354.6	357.9	
Miscellaneous repair services	76	292.1	291.9	310.2	312.5	-	242.8	242.7	260.3	261.9	
Electrical repair shops	762	87.0	86.7	85.9	85.9	-	-	-	-	-	
Motion pictures	78	218.2	213.5	225.1	219.7	-	187.4	183.4	193.5	188.8	
Motion picture production and services	781	104.3	102.2	105.5	107.2	-	87.4	85.4	88.1	89.8	
Motion picture theaters	783	103.1	100.5	109.2	101.9	-	-	-	-	-	
Amusement and recreation services	79	798.4	762.3	894.8	791.9	-	722.5	685.7	807.7	709.6	
Health services	80	6,012.3	6,018.6	6,090.6	6,092.9	6,112.2	5,399.3	5,405.2	5,448.0	5,447.3	
Offices of physicians	801	873.1	877.8	915.2	916.0	-	732.6	738.1	765.8	765.4	
Offices of dentists	802	415.8	419.1	435.8	438.1	-	367.3	370.6	385.3	387.7	
Nursing and personal care facilities	805	1,124.5	1,125.1	1,162.0	1,161.7	-	1,017.8	1,018.9	1,051.9	1,050.9	
Skilled nursing care facilities	8051	720.4	720.5	743.9	743.4	-	-	-	-	-	
Nursing and personal care, nec	8059	404.1	404.6	418.1	418.3	-	-	-	-	-	
Hospitals	806	3,035.3	3,031.3	2,974.9	2,966.9	-	2,779.6	2,775.4	2,716.9	2,709.0	
General medical and surgical hospitals	8062	2,871.1	2,866.7	2,807.1	2,799.2	-	-	-	-	-	
Psychiatric hospitals	8063	48.1	48.3	49.8	50.0	-	-	-	-	-	
Specialty hospitals, excluding psychiatric	8069	116.1	116.3	118.0	117.7	-	-	-	-	-	
Medical and dental laboratories	807	110.4	110.1	108.9	108.7	-	-	-	-	-	
Outpatient care facilities	808	181.9	184.3	193.2	196.4	-	-	-	-	-	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p
Services—Continued											
Legal services	81	611.5	617.3	654.1	660.1	-	513.8	520.0	554.2 ¹	560.0 ¹	-
Educational services	82	1,299.7	1,317.9	1,187.3	1,316.6	-	-	-	-	-	-
Elementary and secondary schools	821	342.0	344.8	341.8	355.2	-	-	-	-	-	-
Colleges and universities	822	835.0	848.5	723.7	832.3	-	-	-	-	-	-
Correspondence and vocational schools	824	56.4	58.0	57.6	61.2	-	-	-	-	-	-
Social services	83	1,250.5	1,261.0	1,320.1	1,343.1	-	-	-	-	-	-
Individual and family services	832	268.0	272.7	305.7	311.0	-	-	-	-	-	-
Job training and related services	833	197.2	198.2	205.9	207.4	-	-	-	-	-	-
Residential care	836	253.0	253.8	265.3	266.4	-	-	-	-	-	-
Museums, botanical and zoological gardens	84	38.9	38.1	43.3	43.9	-	-	-	-	-	-
Membership organizations	86	1,505.5	1,505.7	1,492.5	1,500.6	-	-	-	-	-	-
Business associations	861	84.0	84.6	87.0	87.1	-	-	-	-	-	-
Labor organizations	863	135.5	135.0	137.7	140.2	-	-	-	-	-	-
Civic and social associations	864	319.1	320.8	318.3	323.1	-	-	-	-	-	-
Miscellaneous services	89	1,070.6	1,076.3	1,145.0	1,153.4	-	879.2	882.8	942.3	947.5	-
Engineering and architectural services	891	579.3	582.7	630.3	634.2	-	484.1	485.8	532.1	535.5	-
Noncommercial research organizations	892	108.2	108.5	108.5	108.9	-	-	-	-	-	-
Accounting, auditing, and bookkeeping	893	362.4	364.5	385.2	389.0	-	287.2	289.0	302.8	304.5	-
Government		15,968	16,112	15,761	16,196	16,316	-	-	-	-	-
Federal Government ⁴		2,742	2,741	2,776	2,755	2,763	-	-	-	-	-
Executive, by agency ⁴		2,686.5	2,685.5	2,720.6	-	-	-	-	-	-	-
Department of Defense		944.5	938.8	954.9	-	-	-	-	-	-	-
Postal Service		665.8	673.5	679.6	-	-	-	-	-	-	-
Other executive agencies		1,076.2	1,073.2	1,086.1	-	-	-	-	-	-	-
Legislative		39.3	39.1	38.8	-	-	-	-	-	-	-
Judicial		16.3	16.6	17.0	-	-	-	-	-	-	-
Federal government, by industry:											
Manufacturing activities		135.4	135.6	136.1	137.3	-	-	-	-	-	-
Shipbuilding and repairing	3731	82.6	82.6	82.1	83.2	-	-	-	-	-	-
Transportation and public utilities, except Postal Service		40.0	39.8	38.0	37.6	-	-	-	-	-	-
Services		405.9	402.8	409.3	406.7	-	-	-	-	-	-
Hospitals	806	237.5	238.2	240.0	240.5	-	-	-	-	-	-
State government		3,747	3,768	3,654	3,793	3,813	-	-	-	-	-
Hospitals	806	466.5	468.1	468.8	471.4	-	-	-	-	-	-
Education	82	1,570.4	1,594.9	1,418.6	1,573.5	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		1,117.9	1,114.7	1,156.5	1,143.4	-	-	-	-	-	-
Local government		9,479	9,604	9,331	9,648	9,740	-	-	-	-	-
Transportation and public utilities		492.2	492.8	503.3	501.9	-	-	-	-	-	-
Hospitals	806	643.5	641.5	619.8	619.4	-	-	-	-	-	-
Education	82	5,260.2	5,384.0	5,038.0	5,416.9	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		2,799.8	2,803.9	2,878.3	2,835.6	-	-	-	-	-	-

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

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

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

⁴ Prepared by the Office of Personnel Management. Data relate to civilian employment only and exclude the Central Intelligence Agency and

the National Security Agency.

- Data not available.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1983 forward are subject to revision. August 1984 data for Executive by agency; Department of Defense; Postal Service; Other executive agencies; Legislative; and Judicial are 2,760.6; 977.2; 681.4; 1,102.0; 40.5; and 17.1 respectively.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	Aug. 1983	Sept. 1983	July 1984	Aug. 1984	Sept. 1984
Total	39,097	40,237	41,247	41,407	42,261
Total private	32,153	32,749	34,042	34,260	34,522
Goods-producing	6,586	6,681	6,899	7,022	7,040
Mining	118	116	123	124	123
Construction	399	401	433	439	438
Manufacturing	6,069	6,164	6,343	6,459	6,479
Durable goods	2,814	2,877	3,073	3,106	3,126
Lumber and wood products	100	103	108	110	109
Furniture and fixtures	134	137	142	144	145
Stone, clay, and glass products	113	115	117	119	120
Primary metal industries	98	100	105	107	106
Fabricated metal products	302	309	324	328	331
Machinery, except electrical	449	453	492	492	493
Electrical and electronic equipment	852	881	965	976	981
Transportation equipment	295	306	336	337	344
Instruments and related products	297	300	311	313	314
Miscellaneous manufacturing	173	175	173	182	183
Nondurable goods	3,255	3,287	3,270	3,353	3,353
Food and kindred products	545	550	527	553	554
Tobacco manufactures	24	26	21	24	27
Textile mill products	360	363	354	359	359
Apparel and other textile products	949	962	932	968	963
Paper and allied products	156	156	163	164	162
Printing and publishing	530	533	566	568	571
Chemicals and allied products	276	276	286	288	287
Petroleum and coal products	30	30	31	30	29
Rubber and misc. plastics products	260	264	276	281	283
Leather and leather products	126	126	115	120	118
Service-producing	32,511	33,556	34,348	34,385	35,221
Transportation and public utilities	1,022	1,365	1,396	1,403	1,429
Wholesale trade	1,459	1,474	1,551	1,559	1,586
Retail trade	7,955	8,012	8,352	8,419	8,514
Finance, insurance, and real estate	3,320	3,307	3,460	3,468	3,450
Services	11,811	11,910	12,384	12,389	12,503
Government	6,944	7,488	7,205	7,147	7,739
Federal	963	951	988	983	968
State	1,473	1,549	1,551	1,559	1,641
Local	4,508	4,988	4,666	4,605	5,130

NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are

introduced, all unadjusted data from April 1983 forward are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1983			1984										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. ^P	Nov. ^P	
Total	91,688	92,026	92,391	92,846	93,058	93,449	93,786	94,135	94,350	94,523	94,807	95,150	95,453	
Total private	75,814	76,157	76,533	76,971	77,185	77,546	77,864	78,241	78,422	78,566	78,698	79,067	79,383	
Goods-producing	24,058	24,198	24,383	24,577	24,395	24,760	24,851	24,974	25,059	25,098	25,010	25,078	25,131	
Mining	967	969	975	978	978	984	995	1,002	1,007	1,017	1,020	1,013	1,013	
Oil and gas extraction	603	607	608	607	607	612	619	623	629	636	642	644	651	
Construction	4,073	4,086	4,154	4,226	4,151	4,246	4,286	4,343	4,356	4,356	4,374	4,384	4,414	
General building contractors	1,064	1,077	1,100	1,111	1,099	1,110	1,126	1,135	1,133	1,132	1,140	1,142	1,153	
Manufacturing	19,018	19,143	19,254	19,373	19,466	19,530	19,570	19,629	19,696	19,725	19,616	19,681	19,704	
Durable goods	11,170	11,266	11,343	11,440	11,513	11,551	11,598	11,652	11,702	11,758	11,696	11,748	11,772	
Lumber and wood products	695	698	702	706	712	714	711	712	708	706	703	710	712	
Furniture and fixtures	467	470	475	480	483	482	482	485	485	484	481	486	493	
Stone, clay, and glass products	589	592	595	604	606	604	605	605	606	603	603	607	610	
Primary metal industries	869	877	871	877	877	879	887	884	880	879	865	865	864	
Blast furnaces and basic steel products	351	352	347	348	347	345	347	345	342	334	324	320	321	
Fabricated metal products	1,420	1,431	1,440	1,447	1,456	1,459	1,469	1,479	1,490	1,491	1,485	1,494	1,495	
Machinery, except electrical	2,106	2,122	2,137	2,151	2,166	2,189	2,203	2,226	2,242	2,252	2,243	2,254	2,251	
Electrical and electronic equipment	2,109	2,132	2,152	2,175	2,202	2,212	2,228	2,237	2,252	2,267	2,263	2,269	2,276	
Transportation equipment	1,832	1,855	1,876	1,898	1,905	1,905	1,906	1,917	1,926	1,961	1,939	1,945	1,949	
Motor vehicles and equipment	823	843	858	865	863	857	848	855	858	894	864	866	880	
Instruments and related products	705	707	711	715	718	719	722	723	727	726	726	728	732	
Miscellaneous manufacturing	378	382	384	387	388	388	385	384	386	389	388	390	390	
Nondurable goods	7,848	7,877	7,911	7,933	7,953	7,979	7,972	7,977	7,994	7,967	7,920	7,933	7,932	
Food and kindred products	1,629	1,631	1,638	1,637	1,638	1,648	1,643	1,644	1,655	1,642	1,630	1,641	1,640	
Tobacco manufactures	66	67	66	65	66	67	67	67	66	65	69	69	70	
Textile mill products	760	762	768	767	769	766	762	759	755	751	744	734	729	
Apparel and other textile products	1,195	1,202	1,207	1,213	1,218	1,226	1,217	1,209	1,206	1,200	1,181	1,178	1,175	
Paper and allied products	671	675	676	680	680	680	681	685	687	686	680	685	683	
Printing and publishing	1,317	1,321	1,328	1,333	1,339	1,348	1,356	1,362	1,368	1,371	1,375	1,379	1,384	
Chemicals and allied products	1,050	1,052	1,053	1,054	1,054	1,057	1,057	1,062	1,064	1,067	1,063	1,064	1,066	
Petroleum and coal products	192	191	191	190	190	189	188	188	187	187	186	186	184	
Rubber and misc. plastics products	758	766	774	784	790	790	795	797	801	800	798	804	809	
Leather and leather products	210	210	210	210	209	208	206	204	205	198	194	193	192	
Service-producing	67,630	67,828	68,008	68,269	68,463	68,689	68,935	69,161	69,291	69,425	69,797	70,072	70,322	
Transportation and public utilities	5,043	5,055	5,095	5,105	5,112	5,129	5,144	5,163	5,175	5,202	5,213	5,225	5,250	
Transportation	2,763	2,776	2,816	2,828	2,839	2,862	2,871	2,883	2,896	2,924	2,937	2,955	2,973	
Communication and public utilities	2,280	2,279	2,279	2,276	2,273	2,267	2,273	2,280	2,279	2,278	2,276	2,270	2,277	
Wholesale trade	5,344	5,371	5,406	5,438	5,457	5,473	5,492	5,502	5,528	5,544	5,588	5,613	5,628	
Durable goods	3,128	3,147	3,168	3,193	3,205	3,215	3,235	3,249	3,268	3,278	3,293	3,301	3,312	
Nondurable goods	2,216	2,224	2,238	2,245	2,252	2,258	2,257	2,253	2,260	2,266	2,295	2,312	2,316	
Retail trade	15,805	15,857	15,914	15,980	16,030	16,095	16,166	16,245	16,283	16,295	16,342	16,479	16,596	
General merchandise stores	2,195	2,189	2,210	2,211	2,230	2,251	2,273	2,295	2,301	2,303	2,318	2,349	2,389	
Food stores	2,594	2,600	2,618	2,626	2,626	2,635	2,630	2,641	2,648	2,640	2,648	2,678	2,698	
Automotive dealers and service stations	1,703	1,710	1,725	1,740	1,748	1,743	1,751	1,751	1,762	1,758	1,755	1,762	1,772	
Eating and drinking places	5,082	5,095	5,111	5,121	5,136	5,154	5,183	5,199	5,211	5,238	5,255	5,279	5,300	
Finance, insurance, and real estate	5,530	5,546	5,573	5,593	5,613	5,640	5,662	5,676	5,676	5,679	5,684	5,708	5,725	
Finance	2,777	2,789	2,797	2,812	2,831	2,851	2,863	2,858	2,854	2,850	2,856	2,866	2,877	
Insurance	1,728	1,730	1,737	1,741	1,742	1,742	1,746	1,752	1,759	1,763	1,766	1,775	1,780	
Real estate	1,025	1,027	1,039	1,040	1,041	1,047	1,053	1,066	1,063	1,066	1,062	1,067	1,068	
Services	20,034	20,130	20,162	20,278	20,378	20,449	20,549	20,681	20,701	20,748	20,861	20,964	21,053	
Business services	3,703	3,758	3,798	3,845	3,875	3,912	3,979	4,014	4,035	4,069	4,085	4,111	4,135	
Health services	6,016	6,026	6,030	6,040	6,052	6,062	6,073	6,064	6,079	6,034	6,085	6,087	6,112	
Government	15,874	15,869	15,858	15,875	15,873	15,903	15,922	15,894	15,928	15,957	16,109	16,083	16,070	
Federal	2,759	2,762	2,760	2,763	2,770	2,771	2,785	2,777	2,779	2,785	2,804	2,772	2,780	
State	3,669	3,668	3,670	3,682	3,686	3,693	3,699	3,699	3,697	3,714	3,725	3,711	3,713	
Local	9,446	9,439	9,428	9,430	9,417	9,439	9,438	9,418	9,452	9,458	9,580	9,600	9,577	

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are

introduced, all seasonally adjusted data from January 1980 forward are subject to revision.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1983				1984								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total	40,237	40,373	40,531	40,712	40,858	41,074	41,210	41,390	41,584	41,735	41,966	42,094	42,246
Total private	32,538	32,684	32,824	32,997	33,140	33,333	33,463	33,618	33,793	33,948	34,081	34,176	34,290
Goods-producing	6,566	6,626	6,677	6,723	6,773	6,820	6,854	6,886	6,904	6,919	6,943	6,947	6,916
Mining	116	117	116	116	117	117	117	117	119	120	121	122	123
Construction	396	397	400	402	404	407	409	413	418	423	424	429	432
Manufacturing	6,054	6,112	6,161	6,205	6,252	6,296	6,328	6,356	6,367	6,376	6,398	6,396	6,361
Durable goods	2,851	2,887	2,920	2,947	2,973	3,003	3,031	3,043	3,057	3,075	3,089	3,108	3,092
Lumber and wood products	100	101	102	103	105	105	106	107	106	107	107	107	106
Furniture and fixtures	136	137	139	140	142	143	144	144	144	146	146	145	145
Stone, clay, and glass products	113	114	114	115	116	117	118	117	117	117	116	117	117
Primary metal industries	99	101	102	103	103	103	104	105	105	105	105	106	105
Fabricated metal products	305	309	312	315	317	320	322	321	325	324	328	328	326
Machinery, except electrical	452	456	463	466	468	473	476	481	485	492	494	496	492
Electrical and electronic equipment	875	888	901	910	921	932	946	952	957	965	970	977	973
Transportation equipment	303	308	310	315	319	324	327	327	330	332	335	341	339
Instruments and related products	299	301	303	304	306	308	310	310	311	311	313	312	312
Miscellaneous manufacturing	169	172	174	176	176	178	178	179	177	176	175	179	177
Nondurable goods	3,203	3,225	3,241	3,258	3,279	3,293	3,297	3,313	3,310	3,301	3,309	3,288	3,269
Food and kindred products	497	496	501	502	505	506	504	508	506	505	514	504	502
Tobacco manufactures	23	23	22	23	23	23	23	24	24	23	24	23	24
Textile mill products	358	361	361	363	366	366	367	365	364	361	360	356	353
Apparel and other textile products	948	959	965	969	974	979	982	989	983	973	968	964	950
Paper and allied products	155	156	156	157	157	158	157	158	159	162	162	162	160
Printing and publishing	535	538	540	543	547	549	552	557	562	566	568	570	573
Chemicals and allied products	275	275	275	276	278	279	279	281	281	282	284	285	285
Petroleum and coal products	30	30	30	30	30	30	30	30	30	30	30	29	29
Rubber and misc. plastics products	259	263	267	271	275	278	280	278	279	278	278	278	278
Leather and leather products	123	124	124	124	124	125	123	123	122	121	121	117	115
Service-producing	33,671	33,747	33,854	33,989	34,085	34,254	34,356	34,504	34,680	34,816	35,023	35,147	35,330
Transportation and public utilities	1,357	1,355	1,356	1,362	1,373	1,378	1,380	1,385	1,388	1,400	1,409	1,416	1,420
Wholesale trade	1,468	1,474	1,485	1,496	1,508	1,519	1,532	1,534	1,542	1,544	1,556	1,561	1,580
Retail trade	7,951	7,987	8,024	8,048	8,084	8,121	8,154	8,204	8,265	8,323	8,360	8,394	8,446
Finance, insurance, and real estate	3,309	3,318	3,327	3,340	3,358	3,367	3,374	3,387	3,403	3,419	3,429	3,444	3,450
Services	11,887	11,924	11,955	12,028	12,044	12,128	12,169	12,222	12,291	12,343	12,384	12,414	12,478
Government	7,699	7,689	7,707	7,715	7,718	7,741	7,747	7,772	7,791	7,787	7,885	7,918	7,956
Federal	960	960	960	962	962	964	967	964	968	962	962	967	976
State	1,586	1,595	1,603	1,609	1,620	1,629	1,636	1,650	1,660	1,670	1,668	1,676	1,680
Local	5,153	5,134	5,144	5,144	5,136	5,148	5,144	5,158	5,163	5,155	5,255	5,275	5,300

NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all

seasonally adjusted data from January 1980 forward are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1983		1984										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. ^P	Nov. ^P
Total private	61,371	61,665	61,948	62,327	62,443	62,800	63,060	63,363	63,494	63,616	63,708	63,996	64,283
Goods-producing	16,881	16,996	17,155	17,318	17,297	17,446	17,507	17,600	17,654	17,671	17,581	17,628	17,657
Mining	686	690	694	696	698	707	714	720	720	729	730	725	725
Construction	3,147	3,161	3,227	3,296	3,211	3,296	3,328	3,388	3,393	3,384	3,403	3,410	3,431
Manufacturing	13,048	13,145	13,234	13,326	13,388	13,443	13,465	13,492	13,541	13,558	13,448	13,493	13,501
Durable goods	7,511	7,585	7,643	7,718	7,769	7,799	7,826	7,860	7,899	7,945	7,876	7,915	7,925
Lumber and wood products	583	587	589	592	599	599	596	597	594	592	589	595	596
Furniture and fixtures	373	376	380	384	387	387	385	387	388	386	383	388	394
Stone, clay, and glass products	453	454	455	462	463	464	465	466	466	464	463	466	469
Primary metal industries	657	665	661	666	666	668	676	674	669	668	655	659	657
Fabricated metal products	1,037	1,049	1,056	1,062	1,069	1,074	1,083	1,091	1,101	1,103	1,096	1,103	1,107
Machinery, except electrical	1,261	1,273	1,286	1,300	1,314	1,329	1,342	1,356	1,370	1,379	1,368	1,377	1,372
Electrical and electronic equipment	1,300	1,313	1,327	1,346	1,364	1,371	1,377	1,379	1,390	1,401	1,395	1,398	1,403
Transportation equipment	1,173	1,192	1,208	1,221	1,221	1,221	1,217	1,224	1,233	1,265	1,241	1,238	1,236
Instruments and related products	399	398	401	403	404	403	404	405	406	403	403	406	405
Miscellaneous manufacturing	275	278	280	282	282	283	281	281	282	284	283	285	286
Nondurable goods	5,537	5,560	5,591	5,608	5,619	5,644	5,639	5,632	5,642	5,613	5,572	5,578	5,576
Food and kindred products	1,124	1,126	1,134	1,133	1,133	1,143	1,142	1,142	1,152	1,140	1,131	1,139	1,135
Tobacco manufactures	50	50	49	49	50	50	50	50	50	49	53	53	54
Textile mill products	658	660	666	665	666	665	661	658	652	649	642	633	628
Apparel and other textile products	1,012	1,018	1,023	1,028	1,031	1,039	1,033	1,021	1,018	1,013	998	996	993
Paper and allied products	503	506	508	511	512	512	512	515	516	516	510	509	511
Printing and publishing	725	727	732	734	737	744	748	752	757	757	758	762	762
Chemicals and allied products	584	586	587	588	588	589	588	590	591	592	590	590	593
Petroleum and coal products	114	113	112	112	111	111	111	110	110	110	110	111	111
Rubber and misc. plastics products	591	598	604	612	616	616	621	623	624	622	619	625	631
Leather and leather products	176	176	176	176	175	175	173	171	172	165	161	160	158
Service-producing	44,490	44,669	44,793	45,009	45,146	45,354	45,553	45,763	45,840	45,945	46,127	46,368	46,626
Transportation and public utilities	4,151	4,161	4,189	4,198	4,207	4,228	4,236	4,253	4,265	4,293	4,295	4,307	4,336
Wholesale trade	4,292	4,316	4,349	4,375	4,395	4,406	4,425	4,430	4,458	4,466	4,502	4,529	4,541
Retail trade	14,174	14,221	14,264	14,317	14,341	14,434	14,493	14,558	14,586	14,592	14,626	14,738	14,854
Finance, insurance, and real estate	4,122	4,135	4,149	4,161	4,165	4,175	4,195	4,217	4,217	4,233	4,227	4,241	4,252
Services	17,751	17,836	17,842	17,958	18,038	18,111	18,204	18,305	18,314	18,361	18,477	18,553	18,643

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

^P = preliminary.
NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1980 forward are subject to revision.

**ESTABLISHMENT DATA
INDEXES OF DIFFUSION
SEASONALLY ADJUSTED**

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

Time span	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Over 1-month span	1982.....	27.6	47.6	35.7	30.8	41.6	33.0	34.6	32.4	37.3	28.9	32.4	45.7
	1983.....	54.3	46.5	60.8	68.9	69.5	64.6	74.3	68.6	69.5	75.4	69.7	73.8
	1984.....	71.1	73.2	67.0	63.8	64.1	63.0	62.4	57.6	40.8	^P 66.2	^P 55.1	
Over 3-month span	1982.....	25.1	27.8	28.4	27.3	27.6	28.6	23.5	24.1	26.5	25.9	27.8	41.6
	1983.....	46.8	57.3	64.1	75.1	75.7	77.8	74.1	81.6	80.8	78.9	79.5	77.6
	1984.....	82.4	80.5	76.5	71.1	68.4	66.9	63.5	58.1	^P 57.8	^P 54.1		
Over 6-month span	1982.....	19.5	22.2	21.9	24.6	20.3	21.4	20.8	18.9	23.2	27.3	29.5	35.4
	1983.....	50.8	63.0	69.2	75.1	80.0	82.4	84.1	82.4	84.6	85.9	86.8	83.8
	1984.....	81.9	82.7	79.7	75.4	69.2	63.2	^P 63.2	^P 64.1				
Over 12-month span	1982.....							21.1	21.1	25.1	31.6	34.1	40.3
	1983.....	49.5	54.3	61.9	71.1	77.3	79.5	83.8	88.1	86.8	87.3	85.4	87.3
	1984.....	86.5	81.9	78.9	^P 76.5	^P 73.0							

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

^P = preliminary.

NOTE: Figures are the percent of industries with employment

rising. (Half of the unchanged components are counted as rising.) Data are centered within the spans. Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1980 forward are subject to revision.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Oct. 1983	Sept. 1984	Oct. 1984 ^a	Oct. 1983	Sept. 1984	Oct. 1984 ^a	Oct. 1983	Sept. 1984	Oct. 1984 ^a
Alabama	1,334.8	1,347.2	1,353.6	13.3	14.4	13.8	62.6	67.1	65.5
Birmingham	338.4	342.9	343.6	7.1	7.4	7.3	19.9	20.8	20.6
Huntsville	135.7	141.5	142.3	(^b)	(^b)	(^b)	4.5	4.9	4.9
Mobile	145.7	148.8	150.1	(^b)	(^b)	(^b)	9.5	11.2	11.5
Montgomery	108.4	110.5	110.8	(^b)	(^b)	(^b)	6.4	6.8	6.7
Tuscaloosa	50.4	52.0	52.1	2.0	2.6	2.6	2.0	2.1	2.0
Alaska	218.7	232.3	224.8	8.0	8.1	8.0	24.4	24.2	22.3
Arizona	1,094.1	1,151.4	1,170.1	14.3	13.1	13.0	81.8	92.4	93.8
Phoenix	707.6	753.6	766.4	.6	.7	.7	57.0	63.8	65.1
Tucson	201.6	209.7	213.3	3.5	3.1	2.9	16.0	19.2	19.4
Arkansas	763.9	787.2	789.0	5.3	5.8	5.7	30.0	34.0	33.8
Fayetteville-Springdale	69.8	72.0	72.6	(^b)	(^b)	(^b)	2.5	2.6	2.6
Fort Smith	70.3	71.4	71.1	1.2	1.3	1.3	2.8	2.7	2.7
Little Rock-North Little Rock	186.0	188.7	188.4	(^b)	(^b)	(^b)	8.7	9.6	9.4
Pine Bluff	30.7	30.0	30.3	(^b)	(^b)	(^b)	1.2	1.3	1.3
California	10,100.7	10,456.0	10,490.7	47.6	48.2	48.2	390.1	426.2	424.6
Anaheim-Santa Ana-Garden Grove	872.5	905.2	917.9	3.6	3.8	3.8	34.3	42.1	42.1
Bakersfield	141.2	143.0	144.0	14.3	14.9	14.8	7.1	6.5	6.5
Fresno	178.5	186.9	186.9	1.2	1.3	1.3	9.4	10.7	10.5
Los Angeles-Long Beach	3,582.3	3,681.4	3,717.7	12.6	11.9	11.9	100.5	107.5	107.8
Modesto	86.6	90.8	88.2	.1	.1	.1	4.7	5.4	5.4
Oxnard-Simi Valley-Ventura	164.7	165.3	165.9	3.3	3.3	3.3	6.2	6.4	6.4
Riverside-San Bernardino-Ontario	443.4	453.3	460.9	1.2	1.2	1.2	22.4	26.1	26.5
Sacramento	422.9	433.6	434.9	.8	.8	.7	19.3	21.3	21.1
Salinas-Seaside-Monterey	91.8	94.8	94.5	.4	.4	.4	3.2	3.3	3.3
San Diego	686.4	718.9	719.2	.5	.5	.5	34.2	39.6	40.4
San Francisco-Oakland	1,571.7	1,592.8	1,600.4	4.6	4.7	4.7	62.5	66.0	65.8
San Jose	726.0	750.0	756.7	.1	.1	.1	25.8	28.6	28.4
Santa Barbara-Santa Maria-Lompoc	125.4	126.7	128.1	1.5	1.4	1.4	4.8	5.4	5.7
Santa Rosa	99.3	101.4	102.4	.7	.6	.6	4.9	5.4	5.6
Stockton	122.7	126.8	124.7	.1	.1	.1	6.3	6.4	6.4
Vallejo-Fairfield-Napa	103.2	105.9	105.8	.4	.4	.4	4.8	5.8	5.8
Colorado	1,342.6	1,368.7	1,374.6	36.8	36.9	37.0	87.4	89.4	88.8
Denver-Boulder	869.1	883.8	885.4	25.8	24.8	24.9	51.2	51.6	51.3
Connecticut	1,465.9	1,499.4	1,505.0	1.5	1.6	1.5	57.8	61.2	61.4
Bridgeport	169.8	170.2	171.2	(^b)	(^b)	(^b)	5.3	5.5	5.3
Hartford	407.7	414.6	418.2	.2	.2	.2	12.9	13.7	13.8
New Britain	59.5	60.6	61.1	(^b)	(^b)	(^b)	2.6	2.7	2.8
New Haven-West Haven	194.3	204.3	202.8	.2	.3	.3	6.7	7.1	7.1
Stamford	113.1	115.6	115.4	.7	.6	.6	4.7	5.0	5.0
Waterbury	87.0	88.9	89.1	(^b)	(^b)	(^b)	3.2	3.3	3.3
Delaware	270.6	275.5	276.3	.1	.1	.1	16.9	17.6	17.3
Wilmington	238.0	239.8	241.9	.2	.2	.2	19.6	19.0	18.8
District of Columbia	593.6	598.2	600.9	.1	.1	.1	10.9	11.0	10.9
Washington SMSA	1,655.6	1,705.1	1,720.8	1.1	1.2	1.1	80.3	88.7	88.9
Florida	3,956.9	4,144.9	4,178.8	10.0	10.0	10.1	279.8	314.6	317.0
Daytona Beach	87.3	89.7	90.8	(^b)	(^b)	(^b)	4.9	5.7	5.9
Fort Lauderdale-Hollywood	372.0	380.3	383.4	(^b)	(^b)	(^b)	26.4	30.7	31.1
Fort Myers-Cape Coral	78.5	82.4	83.0	(^b)	(^b)	(^b)	8.7	9.8	9.8
Gainesville	72.8	73.5	73.7	(^b)	(^b)	(^b)	4.6	4.4	4.4
Jacksonville	316.9	327.5	328.6	(^b)	(^b)	(^b)	19.9	21.0	21.1
Lakeland-Winter Haven	115.5	115.6	117.1	4.6	4.6	4.6	6.5	6.9	7.0
Melbourne-Titusville-Cocoa	119.4	127.0	126.8	(^b)	(^b)	(^b)	7.4	8.1	8.0
Miami	736.5	747.0	749.2	(^b)	(^b)	(^b)	38.5	40.1	39.6
Orlando	343.6	358.8	359.6	(^b)	(^b)	(^b)	23.4	24.6	24.9
Pensacola	106.7	110.8	110.3	(^b)	(^b)	(^b)	7.7	8.4	8.1
Sarasota	81.1	81.7	82.0	(^b)	(^b)	(^b)	7.6	7.7	7.9
Tallahassee	78.5	79.5	79.8	(^b)	(^b)	(^b)	3.9	4.3	4.3
Tampa-St. Petersburg	614.0	627.1	629.8	(^b)	(^b)	(^b)	43.3	46.1	46.3
West Palm Beach-Boca Raton	236.2	247.7	252.2	(^b)	(^b)	(^b)	20.4	21.8	22.0

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Oct. 1983	Sept. 1984	Oct. 1984 ^p	Oct. 1983	Sept. 1984	Oct. 1984 ^p	Oct. 1983	Sept. 1984	Oct. 1984 ^p
Alabama	346.0	345.0	347.5	71.3	71.9	72.1	275.5	285.8	285.8
Birmingham	48.8	50.0	50.2	29.1	29.7	29.8	80.6	81.8	81.7
Huntsville	44.3	47.0	47.0	2.8	2.7	2.7	23.8	26.6	26.9
Mobile	25.7	25.4	26.0	9.7	9.2	9.3	37.0	38.9	39.0
Montgomery	15.6	16.1	16.2	4.3	4.4	4.4	24.5	25.7	25.9
Tuscaloosa	7.9	8.2	8.2	1.6	1.6	1.6	10.4	10.7	10.7
Alaska	11.1	15.1	10.0	18.8	20.1	19.6	44.1	44.9	44.4
Arizona	160.4	173.5	173.7	56.7	59.5	60.1	260.1	274.4	279.7
Phoenix	115.0	125.2	125.5	36.5	38.7	39.2	176.1	187.6	191.7
Tucson	27.1	29.5	29.2	8.7	9.2	9.2	43.3	44.0	44.9
Arkansas	205.7	213.1	212.1	44.9	46.6	47.7	167.7	175.0	175.2
Fayetteville-Springdale	19.5	20.4	20.6	4.6	5.2	5.2	16.5	17.4	17.5
Fort Smith	23.1	23.9	23.6	3.5	3.6	3.6	15.1	15.1	15.1
Little Rock-North Little Rock	26.3	26.6	26.3	13.5	13.6	13.7	44.4	45.0	45.0
Pine Bluff	5.8	5.4	5.5	3.3	3.3	3.3	5.9	6.0	6.0
California	1,965.5	2,044.9	2,029.5	545.8	534.5	532.1	2,373.1	2,523.6	2,524.4
Anaheim-Santa Ana-Garden Grove	213.2	222.2	224.1	30.2	29.4	29.8	220.0	230.7	232.0
Bakersfield	9.5	9.4	9.4	8.0	7.9	7.9	36.0	37.0	37.1
Fresno	21.7	24.3	23.3	10.3	10.0	10.0	45.8	47.6	47.5
Los Angeles-Long Beach	862.1	881.7	885.1	194.7	196.7	193.0	822.5	860.4	868.6
Modesto	19.8	23.8	20.4	4.0	3.8	3.8	21.7	22.3	22.1
Oxnard-Simi Valley-Ventura	25.6	24.7	24.5	6.9	7.0	7.1	40.7	41.7	41.5
Riverside-San Bernardino-Ontario	58.7	58.0	58.8	25.7	25.8	25.9	112.4	117.8	118.7
Sacramento	29.1	32.0	30.1	21.6	20.9	20.7	100.0	104.1	104.4
Salinas-Seaside-Monterey	9.3	9.8	9.5	4.5	4.5	4.5	24.5	25.5	25.4
San Diego	108.3	111.7	108.9	30.2	29.3	29.4	161.8	173.6	174.5
San Francisco-Oakland	182.6	183.6	182.3	127.4	128.7	127.7	367.9	379.3	379.3
San Jose	263.0	280.3	278.2	21.4	20.5	20.4	136.7	141.6	143.2
Santa Barbara-Santa Maria-Lompoc	21.1	21.3	21.1	5.4	5.3	5.4	29.9	30.3	30.8
Santa Rosa	16.3	17.7	17.7	5.1	4.7	4.6	24.2	24.7	24.9
Stockton	20.2	25.1	21.2	8.2	8.1	8.0	29.5	29.0	29.9
Vallejo-Fairfield-Napa	10.4	11.1	10.2	4.1	4.2	4.2	22.9	24.2	24.1
Colorado	184.2	190.8	190.8	84.6	85.2	84.9	327.2	339.0	337.6
Denver-Boulder	125.9	130.7	129.9	62.1	62.8	62.8	209.1	214.0	214.6
Connecticut	404.7	415.3	416.4	63.3	65.4	65.6	317.1	325.8	326.2
Bridgeport	58.4	59.2	59.2	6.8	6.8	6.7	37.8	37.6	37.9
Hartford	86.5	89.0	88.8	14.7	14.6	14.7	85.8	86.2	86.5
New Britain	23.9	24.1	24.4	3.0	3.1	3.1	10.9	11.3	11.3
New Haven-West Haven	38.4	39.5	39.7	16.0	16.1	16.1	44.1	48.3	48.5
Stamford	30.9	31.1	31.1	4.5	4.3	4.3	24.8	25.5	25.6
Waterbury	28.9	30.1	30.1	3.3	3.4	3.4	16.9	17.3	17.4
Delaware	68.8	69.3	69.8	12.4	11.3	11.9	59.1	62.0	60.7
Wilmington	59.9	60.3	60.6	12.1	10.8	11.4	48.5	49.1	49.1
District of Columbia	14.5	14.5	14.6	26.2	25.4	25.2	59.5	59.8	60.3
Washington SMSA	66.7	70.8	70.6	78.3	80.3	80.5	316.8	326.5	331.6
Florida	476.6	502.8	506.3	232.0	230.9	231.0	1,062.3	1,111.5	1,125.6
Daytona Beach	10.3	10.7	10.9	3.2	3.2	3.2	24.2	24.7	24.8
Fort Lauderdale-Hollywood	42.7	45.0	45.0	18.5	17.3	17.3	107.6	108.7	109.8
Fort Myers-Cape Coral	4.2	4.4	4.4	4.5	4.5	4.5	22.8	24.0	24.3
Gainesville	4.6	4.9	4.9	1.7	1.6	1.6	15.0	14.9	14.8
Jacksonville	32.5	34.2	34.4	25.8	26.0	26.1	82.8	86.1	86.4
Lakeland-Winter Haven	19.9	19.8	20.1	5.3	5.4	5.3	29.5	29.7	30.9
Melbourne-Titusville-Cocoa	26.2	28.7	28.8	5.1	5.0	5.0	26.7	29.5	29.4
Miami	91.2	93.3	93.0	68.1	68.0	68.3	190.2	190.4	191.4
Orlando	41.2	42.8	43.0	16.6	16.6	16.7	94.3	99.0	98.6
Pensacola	12.6	12.8	13.0	6.1	6.0	6.1	26.1	28.2	27.7
Sarasota	6.3	6.4	6.4	3.3	3.3	3.2	23.9	24.6	24.8
Tallahassee	3.2	3.1	3.2	2.7	2.7	2.7	17.8	18.3	18.4
Tampa-St. Petersburg	80.0	81.6	81.4	34.3	33.6	33.2	163.8	165.9	168.0
West Palm Beach-Boca Raton	30.9	34.7	34.9	9.9	10.1	10.2	61.4	63.6	65.1

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Oct. 1983	Sept. 1984	Oct. 1984 ^a	Oct. 1983	Sept. 1984	Oct. 1984 ^a	Oct. 1983	Sept. 1984	Oct. 1984 ^a
Alabama	59.6	62.0	61.9	219.6	218.4	218.9	286.9	282.6	288.1
Birmingham	23.8	24.4	24.3	73.4	74.1	74.0	55.7	54.7	55.7
Huntsville	3.6	3.7	3.7	20.2	20.7	20.5	36.5	35.9	36.6
Mobile	7.0	7.1	7.1	31.4	31.4	31.2	25.4	25.6	26.0
Montgomery	6.3	6.5	6.4	21.7	21.7	21.7	29.6	29.3	29.5
Tuscaloosa	1.6	1.6	1.7	6.8	6.9	6.9	18.1	18.3	18.4
Alaska	10.8	11.4	11.2	38.3	42.9	42.4	63.2	65.6	66.9
Arizona	66.3	69.4	69.7	242.0	259.6	262.8	212.5	209.5	217.3
Phoenix	51.7	54.3	54.5	163.6	176.8	179.7	107.1	106.5	110.0
Tucson	9.5	9.8	9.8	46.3	48.9	49.4	47.2	46.0	48.5
Arkansas	34.3	35.6	35.7	132.8	135.3	134.1	143.2	141.8	144.7
Fayetteville-Springdale	2.5	2.6	2.5	10.4	10.4	10.4	13.8	13.4	13.8
Fort Smith	2.6	2.7	2.8	12.6	12.6	12.6	9.4	9.5	9.6
Little Rock-North Little Rock	13.7	13.7	13.8	40.5	41.4	41.0	38.9	38.8	39.2
Pine Bluff	1.4	1.4	1.5	5.8	5.5	5.5	7.3	7.1	7.2
California	661.4	682.3	682.2	2,386.6	2,487.1	2,497.9	1,730.6	1,709.2	1,751.8
Anaheim-Santa Ana-Garden Grove	64.6	66.7	67.5	202.2	214.9	215.0	104.4	95.4	103.6
Bakersfield	5.7	5.7	5.7	27.2	28.1	28.2	33.4	33.5	34.4
Fresno	12.0	12.7	12.7	38.5	40.8	40.8	39.6	39.5	40.8
Los Angeles-Long Beach	237.5	244.7	246.1	893.5	930.2	935.5	458.9	448.3	469.7
Modesto	3.7	3.7	3.7	17.6	17.6	17.6	15.0	14.1	15.1
Oxnard-Simi Valley-Ventura	10.7	10.5	10.5	34.5	34.5	34.5	36.8	37.2	38.1
Riverside-San Bernardino-Ontario	19.7	19.8	19.9	100.8	101.6	103.7	102.5	103.0	106.2
Sacramento	23.7	24.1	24.1	83.0	85.1	85.5	145.4	145.3	148.3
Salinas-Seaside-Monterey	4.5	4.5	4.5	21.3	22.2	22.2	24.1	24.6	24.7
San Diego	46.0	47.5	47.7	165.0	176.6	175.9	140.4	140.1	141.9
San Francisco-Oakland	152.7	153.9	153.7	391.8	401.8	406.0	282.2	274.8	280.9
San Jose	29.4	29.7	29.8	172.4	176.0	179.4	77.2	73.2	77.2
Santa Barbara-Santa Maria-Lompoc	6.4	6.4	6.4	32.0	32.6	32.9	24.3	24.0	24.4
Santa Rosa	6.3	6.5	6.5	21.6	22.4	22.5	20.2	19.4	20.0
Stockton	6.1	6.2	6.2	24.9	24.6	25.1	27.4	27.3	27.8
Vallejo-Fairfield-Napa	3.7	3.7	3.7	21.6	21.9	22.4	35.3	34.6	35.0
Colorado	86.1	88.3	87.7	288.5	298.2	295.5	247.8	240.8	252.2
Denver-Boulder	62.0	63.4	63.2	194.1	201.0	199.5	138.8	135.5	139.2
Connecticut	119.1	122.0	121.4	319.6	328.0	326.8	182.8	180.1	185.7
Bridgeport	8.3	8.3	8.3	37.0	37.3	37.5	16.2	15.5	16.3
Hartford	68.8	71.7	72.6	85.6	86.5	87.9	53.2	52.7	53.7
New Britain	1.9	2.0	2.0	11.0	11.3	11.4	6.2	6.1	6.1
New Haven-West Haven	11.8	12.6	12.8	52.8	55.8	54.4	24.3	24.6	23.9
Stamford	8.7	9.0	8.9	28.4	29.7	29.5	10.4	10.4	10.4
Waterbury	3.9	4.0	3.9	19.3	19.4	19.4	11.5	11.4	11.6
Delaware	15.8	16.8	16.9	54.0	55.7	55.9	43.5	42.7	43.7
Wilmington	14.5	15.4	15.4	47.8	49.6	49.8	35.5	35.3	36.4
District of Columbia	34.1	34.8	35.0	191.9	194.4	196.1	256.4	258.2	258.7
Washington SMSA	94.1	97.5	97.1	490.4	507.8	510.8	527.9	532.3	540.2
Florida	291.8	312.2	314.3	969.9	1,010.1	1,016.2	634.5	652.8	658.3
Daytona Beach	5.3	5.7	5.8	23.6	23.6	24.1	15.8	16.1	16.1
Fort Lauderdale-Hollywood	33.7	35.0	35.0	92.9	92.2	93.7	50.2	51.4	51.5
Fort Myers-Cape Coral	6.8	6.7	6.8	18.7	19.7	19.9	12.8	13.3	13.3
Gainesville	3.0	3.0	3.0	14.5	14.5	14.5	29.4	30.2	30.5
Jacksonville	28.8	29.7	29.9	73.9	76.9	77.2	53.2	53.6	53.5
Lakeland-Winter Haven	7.2	7.4	7.4	26.7	26.4	26.4	15.8	15.4	15.4
Melbourne-Titusville-Cocoa	4.4	4.6	4.6	30.2	31.1	31.1	19.4	20.0	19.9
Miami	60.5	62.0	62.3	191.6	195.4	196.1	96.4	97.8	98.5
Orlando	22.3	23.6	23.9	99.2	103.9	102.9	46.6	48.3	49.6
Pensacola	4.3	4.4	4.5	23.3	24.1	23.9	26.6	26.9	27.0
Sarasota	7.2	7.3	7.4	22.2	22.0	21.9	10.6	10.4	10.4
Tallahassee	3.8	3.6	3.6	15.3	15.4	15.4	31.8	32.1	32.2
Tampa-St. Petersburg	46.4	48.1	48.3	161.5	165.1	165.1	84.7	86.7	87.5
West Palm Beach-Boca Raton	20.1	20.8	21.0	61.1	63.7	64.7	32.4	33.0	34.3

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P
Georgia	2,320.5	2,450.0	2,463.7	7.5	8.0	8.1	117.1	143.0	141.8
Albany	44.7	45.9	45.9	(¹)	(¹)	(¹)	2.0	1.7	1.7
Athens	56.4	53.9	57.1	(¹)	(¹)	(¹)	1.9	1.8	1.8
Atlanta	1,077.6	1,152.2	1,154.6	(¹)	(¹)	(¹)	54.7	63.1	63.3
Augusta	125.7	127.8	128.1	(¹)	(¹)	(¹)	6.3	6.7	6.5
Columbus	82.3	85.6	86.0	(¹)	(¹)	(¹)	4.7	5.2	5.3
Macon	102.3	103.8	103.8	(¹)	(¹)	(¹)	4.6	4.8	4.8
Savannah	90.6	92.9	93.4	(¹)	(¹)	(¹)	5.0	5.8	5.9
Hawaii	400.8	395.8	400.9	(¹)	(¹)	(¹)	18.0	15.1	13.6
Honolulu	326.5	322.0	326.7	(¹)	(¹)	(¹)	14.8	12.4	11.1
Idaho	328.7	331.8	331.4	4.5	4.2	4.0	14.9	13.9	13.6
Boise City	80.1	83.7	83.4	(¹)	(¹)	(¹)	5.4	5.5	5.4
Illinois	4,512.0	4,587.4	4,610.7	24.1	25.3	24.9	159.5	156.9	156.8
Bloomington-Normal	50.5	52.0	52.2	(¹)	(¹)	(¹)	1.2	1.2	1.2
Champaign-Urbana-Rantoul	76.0	75.1	75.8	(¹)	(¹)	(¹)	1.7	1.7	1.7
Chicago-Gary	3,222.7	3,261.3	(¹)	3.2	4.0	(¹)	119.2	122.2	(¹)
Chicago SMSA	3,005.8	3,051.3	3,063.6	3.1	3.9	3.9	108.6	111.6	111.2
Davenport-Rock Island-Moline	146.8	147.1	147.8	(¹)	(¹)	(¹)	6.2	6.0	6.0
Decatur	52.3	52.8	53.4	(¹)	(¹)	(¹)	2.3	2.2	2.3
Kankakee	31.4	31.5	31.6	(¹)	(¹)	(¹)	1.2	1.2	1.2
Peoria	128.4	133.1	133.1	(¹)	(¹)	(¹)	7.0	7.5	7.6
Rockford	110.8	113.3	115.5	(¹)	(¹)	(¹)	3.3	3.6	3.6
Springfield	88.1	88.5	88.1	(¹)	(¹)	(¹)	3.6	3.3	3.2
Indiana	2,043.2	2,098.7	2,096.7	9.8	10.2	10.1	75.7	79.2	79.2
Anderson	45.8	47.5	46.9	(¹)	(¹)	(¹)	1.1	1.2	1.2
Elkhart	81.1	88.1	87.6	(¹)	(¹)	(¹)	2.2	2.3	2.3
Evansville	124.3	125.2	126.2	2.7	2.6	2.6	6.5	6.5	6.6
Fort Wayne	159.7	165.7	166.1	(¹)	(¹)	(¹)	5.9	6.5	6.5
Gary-Hammond-East Chicago	216.9	207.9	208.1	(¹)	(¹)	(¹)	10.6	10.6	10.9
Indianapolis	514.2	532.8	532.9	(¹)	(¹)	(¹)	21.4	23.0	23.0
Lafayette-West Lafayette	58.3	59.6	60.1	(¹)	(¹)	(¹)	1.4	1.6	1.6
Muncie	46.6	46.5	47.1	(¹)	(¹)	(¹)	1.3	1.5	1.4
South Bend	109.8	115.1	116.0	(¹)	(¹)	(¹)	4.1	4.8	4.6
Terre Haute	60.1	62.3	62.4	1.2	1.3	1.3	2.7	2.9	2.7
Iowa	1,043.3	1,041.2	1,050.4	1.9	2.3	2.2	42.1	46.4	45.8
Cedar Rapids	75.1	74.2	75.0	.1	.1	.1	2.9	2.7	2.7
Des Moines	173.1	173.7	175.5	(¹)	(¹)	(¹)	6.8	7.4	7.4
Dubuque	39.2	39.1	39.5	(¹)	(¹)	(¹)	1.1	1.1	1.1
Sioux City	47.2	47.1	47.4	(¹)	(¹)	(¹)	2.0	1.8	1.8
Waterloo-Cedar Falls	57.4	55.5	54.9	(¹)	(¹)	(¹)	2.2	2.5	2.4
Kansas	930.1	944.2	951.1	17.6	17.7	17.7	41.7	43.2	42.9
Lawrence	27.8	27.9	27.8	(¹)	(¹)	(¹)	.8	.9	.9
Topeka	82.6	85.6	85.3	.2	.3	.3	3.0	2.9	2.9
Wichita	195.1	202.9	203.3	3.4	3.0	3.1	9.1	9.7	9.7
Kentucky	1,172.9	1,201.7	1,210.2	40.8	43.9	43.7	51.3	58.8	58.6
Lexington-Fayette	151.6	151.2	154.0	(¹)	(¹)	(¹)	7.5	9.0	8.6
Louisville	365.9	376.8	376.8	(¹)	(¹)	(¹)	15.8	19.7	19.9
Owensboro	31.7	32.0	32.0	1.0	1.1	1.1	1.6	2.0	2.0
Louisiana	1,579.8	1,579.1	1,581.0	78.7	78.3	77.8	118.0	113.0	113.4
Alexandria	54.9	54.8	55.1	(¹)	(¹)	(¹)	3.6	3.4	3.4
Baton Rouge	209.3	213.7	214.1	.9	.9	.9	20.8	20.8	21.2
Lafayette	86.2	89.0	89.2	15.5	16.7	16.8	5.2	5.0	5.0
Lake Charles	62.2	57.9	57.9	2.4	2.1	2.1	6.6	4.5	4.6
Monroe	50.4	50.3	50.8	.5	.4	.4	3.1	2.3	2.5
New Orleans	506.9	506.1	505.6	18.3	18.6	18.8	31.9	28.0	27.1
Shreveport	149.7	152.1	152.1	6.1	6.5	6.0	10.1	9.5	9.4
Maine	430.5	442.8	441.1	.2	.2	.2	19.5	19.3	19.7
Lewiston-Auburn	34.3	34.2	34.2	(¹)	(¹)	(¹)	1.4	1.5	1.5
Portland	98.6	103.2	104.2	(¹)	(¹)	(¹)	4.5	4.6	4.7
Maryland	1,718.3	1,745.2	1,763.5	1.6	1.4	1.2	101.0	110.3	110.1
Baltimore SMSA	945.7	953.7	964.4	.1	.1	.1	47.7	52.2	52.6
Baltimore City	433.2	434.1	436.2	(¹)	(¹)	(¹)	16.1	18.4	17.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Oct. 1983	Sept. 1984	Oct. 1984 ^p	Oct. 1983	Sept. 1984	Oct. 1984 ^p	Oct. 1983	Sept. 1984	Oct. 1984 ^p
Georgia	522.1	539.3	537.0	150.4	155.9	156.5	558.3	612.5	618.7
Albany	10.4	11.0	11.0	2.4	2.3	2.3	10.6	11.2	11.3
Athens	14.7	14.8	14.9	1.5	1.6	1.6	11.1	11.0	11.0
Atlanta	149.2	156.8	157.0	93.6	96.8	97.0	302.3	330.6	330.7
Augusta	33.6	33.8	33.7	4.2	4.3	4.3	24.2	24.9	24.9
Columbus	20.9	21.7	21.9	3.0	3.0	3.0	17.1	18.6	18.4
Macon	16.8	16.8	16.6	4.4	4.2	4.2	21.4	22.1	22.2
Savannah	16.8	16.7	16.9	9.8	9.8	9.9	21.3	21.7	21.7
Hawaii	21.5	21.3	21.3	30.5	31.1	31.1	105.4	107.7	107.6
Honolulu	15.8	15.4	15.6	25.4	25.9	26.0	85.6	88.0	87.5
Idaho	54.5	56.1	56.8	19.7	19.4	19.4	81.2	83.3	82.9
Boise City	9.7	10.6	10.7	5.3	5.4	5.4	20.2	21.4	21.3
Illinois	967.8	994.7	989.6	266.8	272.6	274.5	1,091.9	1,116.6	1,122.5
Bloomington-Normal	5.0	5.6	5.5	3.2	3.1	3.1	12.1	13.1	13.1
Champaign-Urbana-Rantoul	7.1	6.9	6.9	2.5	2.4	2.4	18.5	18.5	18.6
Chicago-Gary	714.7	708.8	(¹)	193.3	195.7	(²)	786.3	792.8	(³)
Chicago SMSA	644.6	647.6	647.0	180.6	182.1	182.3	740.6	746.1	748.6
Davenport-Rock Island-Moline	35.0	34.3	35.0	7.0	7.0	7.0	38.7	39.1	38.6
Decatur	17.7	18.3	18.3	4.1	4.0	4.0	11.1	11.5	11.8
Kankakee	5.8	6.1	6.0	1.2	1.1	1.1	7.2	7.2	7.3
Peoria	33.8	36.1	35.9	6.7	6.7	6.6	31.0	31.3	31.4
Rockford	42.5	45.0	45.1	4.3	4.3	4.3	24.5	24.9	24.9
Springfield	5.7	5.8	5.7	4.1	4.1	4.1	19.4	19.2	19.1
Indiana	591.9	610.7	608.5	102.0	103.8	104.2	461.2	480.7	478.1
Anderson	18.2	19.9	19.3	1.2	1.2	1.2	9.7	9.9	9.8
Elkhart	44.0	48.6	48.0	2.6	2.7	2.7	14.8	16.3	16.3
Evansville	33.6	33.3	33.5	6.9	7.1	7.1	31.0	31.5	31.9
Fort Wayne	45.8	49.3	49.2	9.9	10.6	10.7	39.5	40.2	40.3
Gary-Hammond-East Chicago	70.1	60.1	59.5	12.7	13.3	13.3	45.7	47.5	47.6
Indianapolis	106.7	110.4	110.0	30.7	31.8	32.0	130.2	135.4	135.4
Lafayette-West Lafayette	10.7	11.4	11.5	1.7	1.8	1.8	11.8	11.9	11.9
Muncie	11.3	11.4	11.5	1.9	1.9	1.9	11.1	11.1	11.1
South Bend	28.7	30.9	31.2	4.7	4.9	4.9	27.7	29.4	29.7
Terre Haute	12.4	12.8	12.7	3.4	3.4	3.4	15.6	16.7	16.8
Iowa	207.0	207.9	208.4	49.9	49.8	49.7	261.8	261.2	261.6
Cedar Rapids	20.3	20.3	20.3	3.8	3.7	3.7	17.9	17.9	18.0
Des Moines	21.0	21.9	21.9	10.4	10.1	10.0	44.8	44.8	45.4
Dubuque	11.8	11.8	12.2	1.7	1.7	1.7	8.9	8.6	8.6
Sioux City	9.1	9.6	9.6	3.4	3.3	3.3	12.1	12.2	12.3
Waterloo-Cedar Falls	16.4	15.4	14.7	1.9	1.8	1.7	12.6	12.6	12.6
Kansas	169.7	179.5	179.4	62.4	64.0	64.4	227.4	228.1	229.0
Lawrence	4.1	4.2	4.0	1.3	1.3	1.3	6.0	6.2	6.2
Topeka	8.8	9.5	9.1	7.6	7.9	7.9	18.1	19.2	19.1
Wichita	51.0	55.7	56.3	9.9	10.5	10.4	46.1	48.5	48.2
Kentucky	244.3	255.4	255.4	64.3	64.3	64.0	269.2	278.0	282.4
Lexington-Fayette	27.6	28.8	29.1	7.4	7.3	7.3	34.3	33.4	34.6
Louisville	82.8	87.0	86.9	21.2	21.2	21.1	87.6	90.1	89.3
Owensboro	6.3	6.6	6.5	2.4	2.3	2.3	7.8	7.6	7.6
Louisiana	182.0	183.0	182.7	117.8	116.2	115.9	373.6	373.6	374.4
Alexandria	5.8	5.8	5.8	2.5	2.6	2.6	12.5	12.5	12.6
Baton Rouge	22.4	21.9	22.2	10.4	9.6	9.7	49.7	52.5	52.8
Lafayette	3.6	3.9	3.9	6.6	6.7	6.7	23.1	24.4	24.5
Lake Charles	9.7	9.1	9.1	4.5	4.6	4.7	14.7	13.5	13.4
Monroe	7.1	7.0	7.1	2.7	2.7	2.8	14.3	14.4	14.6
New Orleans	40.6	39.7	39.9	47.0	46.0	45.8	130.2	132.4	132.3
Shreveport	23.7	26.2	26.2	9.4	9.4	9.3	33.9	33.6	33.9
Maine	111.4	109.2	108.9	18.4	18.8	18.5	95.6	105.2	101.6
Lewiston-Auburn	11.6	11.1	10.9	1.3	1.1	1.2	8.0	8.1	8.2
Portland	16.4	17.2	17.1	5.7	5.7	5.7	27.3	29.1	29.2
Maryland	213.5	214.8	214.7	88.1	90.1	91.2	422.5	436.2	438.7
Baltimore SMSA	141.2	139.6	139.7	58.0	58.8	59.2	223.1	229.9	231.9
Baltimore City	54.8	52.2	53.0	34.8	35.3	35.2	93.1	95.2	95.1

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Oct. 1983	Sept. 1984	Oct. 1984 ^a	Oct. 1983	Sept. 1984	Oct. 1984 ^a	Oct. 1983	Sept. 1984	Oct. 1984 ^a
Georgia	122.5	130.0	129.5	402.7	435.0	436.1	439.9	426.5	435.9
Albany	2.1	2.1	2.1	6.2	6.2	6.2	11.1	11.2	11.4
Athens	1.7	1.7	1.8	7.2	7.9	8.0	18.2	15.1	18.0
Atlanta	75.8	78.4	78.0	235.8	258.4	258.8	166.1	168.1	169.7
Augusta	4.6	4.8	4.8	19.9	20.4	20.3	32.9	32.9	33.6
Columbus	5.4	5.8	5.8	11.8	12.1	12.0	19.4	19.2	19.5
Macon	6.3	6.4	6.4	18.3	18.5	18.6	30.5	30.9	31.0
Savannah	4.1	4.3	4.3	17.6	18.0	18.1	16.0	16.5	16.7
Hawaii	31.2	30.8	31.5	104.2	105.1	105.8	90.0	84.7	90.5
Honolulu	26.9	26.7	26.8	81.8	82.7	83.1	76.2	70.9	76.6
Idaho	23.2	23.7	23.5	60.8	62.6	61.8	69.9	68.6	69.4
Boise City	7.8	8.2	8.0	16.1	17.0	16.9	15.5	15.6	15.7
Illinois	317.9	321.4	321.3	1,017.5	1,028.6	1,030.5	666.5	671.3	690.6
Bloomington-Normal	8.7	8.7	8.8	8.9	9.2	9.2	11.4	11.1	11.3
Champaign-Urbana-Rantoul	2.4	2.5	2.5	12.2	12.5	12.4	31.6	30.6	31.3
Chicago-Gary	245.7	249.6	(^b) 783.7	783.7	788.2	(^b) 376.7	376.7	400.1	(^b) 377.7
Chicago SMSA	237.2	241.6	240.3	745.3	750.0	752.6	345.8	368.4	377.7
Davenport-Rock Island-Moline	7.1	7.3	7.3	26.2	26.4	26.8	26.6	27.0	27.1
Decatur	2.7	2.8	2.8	9.1	8.9	9.0	5.3	5.1	5.2
Kankakee	1.5	1.5	1.5	7.2	6.9	7.1	7.3	7.5	7.4
Peoria	6.5	6.5	6.5	27.0	28.4	28.5	16.4	16.6	16.6
Rockford	4.1	4.2	4.2	19.9	21.0	21.0	12.2	10.3	12.4
Springfield	7.4	7.4	7.3	18.7	18.5	18.5	29.2	30.2	30.2
Indiana	100.9	102.7	101.9	365.0	377.0	375.4	336.6	334.5	339.3
Anderson	1.6	1.6	1.5	8.3	8.2	8.2	5.7	5.5	5.7
Elkhart	2.1	2.2	2.2	10.2	10.9	10.9	5.2	5.1	5.2
Evansville	4.5	4.6	4.6	26.9	27.5	27.4	12.2	12.1	12.5
Fort Wayne	10.5	10.7	10.6	30.5	31.1	31.1	17.5	17.2	17.6
Gary-Hammond-East Chicago	8.5	8.0	8.0	38.4	38.9	39.0	30.9	29.5	29.8
Indianapolis	39.2	40.7	40.2	102.9	108.1	108.4	82.4	82.6	83.1
Lafayette-West Lafayette	2.6	2.6	2.6	9.7	9.8	9.8	20.3	20.4	20.8
Muncie	1.5	1.5	1.5	8.6	8.6	8.7	10.8	10.5	11.0
South Bend	5.3	5.3	5.3	27.1	27.9	27.9	12.2	11.9	12.4
Terre Haute	2.1	2.1	2.1	10.5	11.1	11.0	12.2	12.0	12.4
Iowa	60.0	61.2	61.4	211.9	208.8	210.0	208.7	203.6	211.3
Cedar Rapids	4.3	4.4	4.4	15.8	15.3	15.7	10.0	9.7	10.2
Des Moines	22.1	22.7	22.9	40.9	40.8	40.6	27.1	26.0	27.3
Dubuque	1.3	1.3	1.3	10.6	10.9	10.9	3.7	3.6	3.6
Sioux City	2.6	2.5	2.5	12.1	11.7	11.8	5.9	5.9	6.1
Waterloo-Cedar Falls	2.2	2.2	2.2	11.0	10.5	10.4	11.1	10.4	10.8
Kansas	48.9	49.8	49.8	174.3	175.3	176.2	188.1	186.6	191.7
Lawrence .....	.8	.9	.9	4.1	4.2	4.2	10.5	10.2	10.3
Topeka	5.8	5.9	5.9	17.7	18.1	18.0	21.4	21.8	22.1
Wichita	9.9	9.9	9.9	40.2	40.4	40.1	25.5	25.2	25.6
Kentucky	53.0	54.1	54.4	226.3	231.9	232.6	223.7	215.3	219.1
Lexington-Fayette	7.5	7.3	7.3	36.0	34.0	35.5	31.3	31.4	31.6
Louisville	24.4	25.5	25.4	81.1	80.6	81.0	52.9	52.7	53.2
Owensboro	1.3	1.2	1.2	6.5	6.4	6.5	4.8	4.8	4.8
Louisiana	83.3	83.5	83.4	306.5	312.2	311.9	319.9	319.3	321.5
Alexandria	2.8	2.9	2.9	11.9	11.8	11.9	15.8	15.8	15.9
Baton Rouge	12.3	12.6	12.8	38.2	40.6	40.0	54.6	54.8	54.5
Lafayette	3.8	3.7	3.8	18.0	18.4	18.3	10.4	10.2	10.2
Lake Charles	2.9	3.0	3.0	11.0	10.5	10.5	10.4	10.6	10.5
Monroe	4.1	4.1	4.1	10.0	10.5	10.4	8.6	8.9	8.9
New Orleans	31.7	30.9	30.8	122.7	125.4	125.4	84.5	85.1	85.5
Shreveport	8.1	8.0	8.0	32.4	32.8	32.6	26.0	26.1	26.7
Maine	18.0	19.2	19.1	83.7	89.7	87.7	83.7	81.2	85.4
Lewiston-Auburn	1.6	1.8	1.7	7.2	7.5	7.6	3.2	3.1	3.1
Portland	8.5	9.0	9.0	22.3	24.4	23.9	13.9	13.2	14.6
Maryland	96.6	98.2	97.8	403.1	414.4	416.1	391.9	379.8	393.7
Baltimore SMSA	59.3	59.6	59.7	214.7	218.3	218.3	201.6	195.2	202.9
Baltimore City	39.5	39.5	39.7	114.5	116.2	116.9	80.4	77.3	78.4

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Oct. 1983	Sept. 1984	Oct. 1984 ^p	Oct. 1983	Sept. 1984	Oct. 1984 ^p	Oct. 1983	Sept. 1984	Oct. 1984 ^p
Massachusetts	2,716.4	2,758.4	2,763.9	1.1	1.2	1.1	87.4	93.7	92.3
Boston	1,525.1	1,545.2	1,557.3	.4	.5	.5	46.9	46.6	46.0
Brockton	58.3	58.8	59.6	(^o)	(^o)	(^o)	2.3	2.8	2.8
Fall River	55.9	56.6	56.9	(^o)	(^o)	(^o)	1.8	2.0	1.9
Fitchburg-Leominster	41.1	42.8	42.9	(^o)	(^o)	(^o)	1.3	1.5	1.5
Lawrence-Haverhill	115.1	115.9	116.5	(^o)	(^o)	(^o)	3.4	3.7	3.7
Lowell	87.2	89.7	90.6	(^o)	(^o)	(^o)	2.5	2.2	2.1
New Bedford	65.7	69.3	69.0	(^o)	(^o)	(^o)	2.3	2.8	2.9
Pittsfield	52.2	53.1	53.2	.1	(^o)	(^o)	1.8	2.0	2.0
Springfield-Chicopee-Holyoke	236.4	233.3	234.9	.1	.2	.2	6.4	6.5	6.5
Worcester	159.0	158.4	159.8	.6	.6	.6	4.3	4.1	4.0
Michigan	3,254.7	3,341.2	3,353.8	9.0	9.2	9.0	95.1	105.3	106.2
Ann Arbor	140.4	141.4	142.8	(^o)	(^o)	(^o)	3.9	3.4	3.3
Battle Creek	59.3	63.4	61.5	(^o)	(^o)	(^o)	1.6	2.1	2.1
Bay City	32.4	33.0	32.8	(^o)	(^o)	(^o)	1.1	1.2	1.2
Benton Harbor	56.6	57.8	58.7	(^o)	(^o)	(^o)	2.3	2.4	2.4
Detroit	1,568.6	1,621.0	1,629.5	.8	.8	.7	41.7	49.3	51.0
Flint	181.2	188.9	188.4	(^o)	(^o)	(^o)	3.9	4.3	4.4
Grand Rapids	268.7	274.6	275.7	(^o)	(^o)	(^o)	10.3	10.9	10.8
Jackson	46.6	48.0	47.9	(^o)	(^o)	(^o)	1.3	1.3	1.3
Kalamazoo-Portage	107.0	109.8	110.0	(^o)	(^o)	(^o)	3.9	4.0	4.0
Lansing-East Lansing	195.0	192.2	199.9	(^o)	(^o)	(^o)	4.5	6.0	5.8
Muskegon-Norton Shores-Muskegon Heights	54.5	58.7	58.1	(^o)	(^o)	(^o)	2.1	2.3	2.2
Saginaw	79.6	84.7	86.4	(^o)	(^o)	(^o)	2.2	2.8	2.7
Minnesota	1,760.5	1,863.9	1,877.8	7.7	9.3	10.4	71.4	85.4	85.2
Duluth-Superior	52.9	53.1	53.7	(^o)	(^o)	(^o)	1.5	1.9	2.0
Minneapolis-St. Paul	1,100.5	1,153.9	1,166.8	(^o)	(^o)	(^o)	41.8	48.7	48.8
Rochester	52.0	52.7	52.6	(^o)	(^o)	(^o)	1.9	1.8	1.7
St. Cloud	58.2	58.9	59.8	(^o)	(^o)	(^o)	3.2	3.3	3.2
Mississippi	803.6	812.2	816.3	8.9	9.1	9.1	34.7	33.2	32.9
Jackson	147.4	149.4	150.0	1.6	1.7	1.7	6.5	7.2	7.0
Missouri	1,946.3	1,975.8	1,977.1	6.6	6.0	5.9	80.1	81.9	80.8
Kansas City	619.9	634.8	634.6	.5	.6	.6	24.7	27.5	27.8
St. Joseph	36.5	36.3	36.5	(^o)	(^o)	(^o)	1.3	1.8	1.8
St. Louis	1,001.8	1,026.7	1,026.9	3.4	3.9	3.8	47.1	53.8	53.6
Springfield	92.2	93.7	94.2	.1	.1	.1	3.4	3.7	3.7
Montana	275.2	277.2	278.1	6.6	6.5	6.5	14.0	13.0	12.5
Nebraska	621.2	634.0	636.8	1.8	1.7	1.8	24.0	23.9	23.7
Lincoln	97.4	99.2	100.1	(^o)	(^o)	(^o)	3.1	3.5	3.6
Omaha	268.9	274.6	276.4	.1	.2	.2	10.4	10.7	10.7
Nevada	418.0	423.5	424.6	6.2	6.6	6.6	21.6	20.9	20.8
Las Vegas	235.5	236.6	237.6	.3	.3	.3	12.9	12.5	12.5
Reno	115.8	117.8	118.3	.7	.8	.8	5.9	5.6	5.5
New Hampshire	419.3	438.7	443.8	.4	.5	.4	25.1	23.0	24.3
Manchester	79.8	83.4	83.9	(^o)	(^o)	(^o)	3.8	4.4	4.4
Nashua	73.9	77.5	78.1	.2	.2	.2	3.0	3.3	3.2
New Jersey	3,199.9	3,301.9	3,308.3	2.0	2.0	2.0	123.1	138.0	139.3
Atlantic City	107.4	117.1	115.1	(^o)	(^o)	(^o)	4.6	5.0	5.0
Camden	362.3	365.4	369.1	.1	.1	.1	14.3	14.6	15.0
Hackensack	413.9	418.9	421.0	(^o)	(^o)	(^o)	15.1	15.4	15.0
Jersey City	223.3	222.7	223.7	(^o)	(^o)	(^o)	5.0	5.4	5.3
Long Branch-Asbury Park	174.4	187.7	186.7	(^o)	(^o)	(^o)	7.9	9.3	9.4
New Brunswick-Perth Amboy-Sayreville	298.7	302.4	304.9	(^o)	(^o)	(^o)	10.1	10.7	11.0
Newark	969.0	992.3	999.8	.7	.6	.6	31.7	35.4	35.3
Paterson-Clifton-Passaic	191.0	193.6	195.2	(^o)	(^o)	(^o)	7.1	8.1	8.2
Trenton	168.2	172.0	173.3	(^o)	(^o)	(^o)	3.1	4.0	3.9
Vineland-Millville-Bridgeton	53.9	51.8	52.2	(^o)	(^o)	(^o)	1.7	1.8	1.8
New Mexico	485.1	504.5	503.0	20.7	21.5	21.4	34.2	37.4	36.9
Albuquerque	202.5	212.7	213.0	(^o)	(^o)	(^o)	14.3	16.0	16.0
Las Cruces	35.1	36.2	37.7	(^o)	(^o)	(^o)	2.3	2.9	3.0

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Oct. 1983	Sept. 1984	Oct. 1984 ^a	Oct. 1983	Sept. 1984	Oct. 1984 ^a	Oct. 1983	Sept. 1984	Oct. 1984 ^a
Massachusetts	636.6	646.3	648.6	121.6	124.3	123.7	612.9	639.0	632.7
Boston	288.2	294.7	293.9	72.7	74.3	73.7	337.1	342.0	342.2
Brockton	11.1	10.6	10.7	3.9	4.3	4.3	16.3	17.0	17.2
Fall River	20.0	19.7	19.9	1.8	2.1	2.2	12.6	12.9	13.0
Fitchburg-Leominster	16.1	16.2	16.2	1.6	1.6	1.6	8.6	9.8	9.9
Lawrence-Haverhill	42.6	43.8	44.0	5.0	4.8	4.8	23.3	22.9	23.0
Lowell	35.1	37.6	37.3	3.1	3.2	3.3	17.7	18.1	18.2
New Bedford	24.9	26.5	26.2	2.3	2.3	2.4	13.2	14.3	14.1
Pittsfield	15.6	15.9	15.9	1.3	1.2	1.2	12.2	13.1	12.9
Springfield-Chicopee-Holyoke	56.2	55.2	55.0	9.5	9.8	9.9	50.1	51.4	50.7
Worcester	40.2	39.4	39.5	7.1	6.5	6.5	37.4	38.7	38.7
Michigan	920.1	961.6	960.8	138.2	137.8	137.8	693.8	724.6	725.4
Ann Arbor	35.5	36.4	36.1	3.1	3.2	3.2	20.8	20.5	20.5
Battle Creek	17.1	18.3	18.0	1.9	2.1	2.0	10.5	10.6	10.6
Bay City	8.3	8.0	8.0	1.5	1.5	1.5	8.6	8.6	8.6
Benton Harbor	19.0	19.4	19.3	2.3	2.4	2.4	10.8	11.4	11.4
Detroit	431.4	454.0	453.6	72.4	70.7	71.5	355.0	372.6	374.2
Flint	68.0	72.8	71.6	5.2	4.9	4.8	40.8	43.8	43.5
Grand Rapids	88.0	92.9	93.0	10.5	10.7	10.7	66.1	66.6	66.9
Jackson	11.4	12.2	12.3	5.1	4.7	4.6	9.6	9.8	9.8
Kalamazoo-Portage	31.2	32.3	32.1	3.7	3.6	3.6	22.1	23.9	23.8
Lansing-East Lansing	40.8	40.4	40.0	5.5	5.1	5.2	35.8	37.8	38.2
Muskegon-Norton Shores-Muskegon Heights	17.2	19.9	20.2	2.9	2.9	2.8	11.1	11.6	11.5
Saginaw	26.3	27.4	29.8	4.7	4.4	4.3	17.1	18.0	18.4
Minnesota	354.3	383.5	377.0	95.8	98.3	98.8	436.0	472.6	473.6
Duluth-Superior	4.6	4.6	4.6	5.6	5.2	5.2	14.4	14.8	15.1
Minneapolis-St. Paul	238.5	253.7	253.5	63.1	66.6	67.4	265.3	281.7	283.6
Rochester	10.2	11.2	11.2	1.9	2.0	2.1	10.7	10.4	10.5
St. Cloud	10.4	10.2	10.3	3.5	3.5	3.5	16.4	17.2	17.4
Mississippi	210.2	210.9	211.5	39.5	38.7	39.6	166.0	172.3	172.8
Jackson	16.3	16.4	16.5	9.7	9.9	9.8	35.8	36.4	36.5
Missouri	409.5	421.1	421.3	133.0	136.8	137.1	458.6	466.9	463.7
Kansas City	111.5	117.0	117.2	50.3	50.4	50.6	159.1	161.4	160.8
St. Joseph	8.7	8.4	8.4	2.0	1.8	1.9	8.8	8.6	8.4
St. Louis	217.3	223.5	222.8	71.4	72.9	72.6	230.9	239.3	238.7
Springfield	19.1	19.8	19.7	6.0	6.0	6.0	25.7	26.4	26.4
Montana	21.8	21.1	21.2	20.6	20.4	20.1	71.7	71.9	71.9
Nebraska	88.1	90.8	91.6	43.6	42.3	42.2	158.8	160.9	161.4
Lincoln	11.9	12.4	12.5	6.3	6.4	6.4	21.4	21.1	21.3
Omaha	35.6	36.6	36.6	22.6	22.2	22.2	67.6	67.9	68.7
Nevada	19.6	20.3	20.2	24.9	24.6	24.5	82.5	84.4	84.8
Las Vegas	7.4	7.7	7.7	14.3	14.0	13.9	47.1	47.7	47.9
Reno	7.7	7.8	7.8	7.9	7.9	7.9	25.0	26.1	26.2
New Hampshire	116.6	123.7	124.0	15.8	16.0	16.0	96.7	102.8	104.9
Manchester	16.6	17.6	17.7	5.1	5.2	5.2	21.1	22.1	22.2
Nashua	34.5	36.6	36.7	2.0	2.1	2.1	14.3	14.5	14.9
New Jersey	727.0	743.4	744.6	206.5	211.4	212.2	737.2	783.8	776.9
Atlantic City	8.0	8.0	7.9	4.7	4.5	4.5	20.0	22.5	21.1
Camden	71.3	71.8	72.7	16.1	16.6	16.4	95.8	98.4	98.6
Hackensack	102.8	102.4	102.7	21.6	21.4	21.8	125.4	130.8	131.1
Jersey City	60.8	60.4	60.6	26.8	26.2	26.5	48.0	48.1	48.6
Long Branch-Asbury Park	23.5	23.9	23.6	7.1	7.5	7.5	44.8	48.8	48.1
New Brunswick-Perth Amboy-Sayreville	81.2	83.0	82.6	24.3	24.0	24.3	71.5	74.0	74.2
Newark	223.4	226.9	227.4	79.6	81.8	82.8	198.0	204.7	205.3
Paterson-Clifton-Passaic	64.1	64.3	64.5	7.0	6.8	6.8	41.7	42.5	43.4
Trenton	31.3	31.9	32.1	5.5	5.0	5.1	26.6	29.0	28.6
Vineland-Millville-Bridgeton	17.3	15.0	15.3	2.6	2.7	2.7	9.5	9.4	9.4
New Mexico	35.5	35.9	35.8	29.4	29.0	28.8	112.5	119.0	118.9
Albuquerque	19.0	19.8	19.8	12.2	11.7	11.7	50.8	53.3	53.1
Las Cruces	3.7	4.0	4.0	1.4	1.2	1.3	6.7	7.5	7.6

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P
Massachusetts	170.3	175.3	172.8	721.0	722.0	731.4	365.5	356.6	361.3
Boston	119.9	122.3	121.8	476.9	483.1	493.5	183.0	181.7	185.7
Brockton	2.1	2.1	2.0	11.3	11.1	11.4	11.3	10.9	11.2
Fall River	2.8	3.0	2.9	10.5	10.8	10.7	6.4	6.1	6.3
Fitchburg-Leominster	1.2	1.2	1.2	6.7	6.8	6.6	5.6	5.7	5.9
Lawrence-Haverhill	4.3	4.4	4.4	20.5	20.8	20.7	16.0	15.5	15.9
Lowell	2.4	2.5	2.4	14.2	14.9	15.1	12.2	11.2	12.2
New Bedford	2.2	2.2	2.2	11.2	11.6	11.4	9.6	9.6	9.8
Pittsfield	2.3	2.3	2.3	12.1	12.1	12.1	6.8	6.4	6.7
Springfield-Chicopee-Holyoke	14.1	14.3	13.9	51.7	51.4	52.1	48.3	44.5	46.6
Worcester	9.5	9.7	9.5	36.5	36.6	37.7	23.4	22.8	23.3
Michigan	151.0	157.3	156.6	664.7	673.7	676.1	582.8	571.7	581.9
Ann Arbor	4.3	4.5	4.5	25.1	26.6	26.8	47.8	46.8	48.2
Battle Creek	4.1	4.1	4.1	12.0	12.1	12.1	12.2	14.1	12.6
Bay City	1.4	1.4	1.5	6.3	6.9	6.8	5.2	5.4	5.3
Benton Harbor	1.9	2.0	2.0	12.2	12.1	12.8	8.1	8.0	8.4
Detroit	87.8	90.0	89.9	361.4	367.5	368.8	218.0	216.1	219.7
Flint	5.9	6.0	6.0	29.2	29.5	29.9	28.2	27.5	28.2
Grand Rapids	10.9	11.0	11.0	54.5	53.8	54.9	28.4	28.8	28.4
Jackson	1.6	1.6	1.6	9.5	9.8	9.7	8.2	8.6	8.6
Kalamazoo-Portage	4.1	4.1	4.1	21.9	22.0	22.2	20.2	19.8	20.2
Lansing-East Lansing	9.7	9.7	9.8	31.2	32.7	32.7	67.5	60.4	68.3
Muskegon-Norton Shores-Muskegon Heights	1.5	1.5	1.4	10.2	10.4	10.3	9.6	10.1	9.7
Saginaw	3.7	3.5	3.5	14.3	16.0	15.8	11.3	12.6	11.9
Minnesota	101.9	106.7	106.4	401.1	425.3	426.7	292.4	282.9	299.7
Duluth-Superior	2.1	2.2	2.2	13.4	13.3	13.1	11.3	11.1	11.4
Minneapolis-St. Paul	76.1	79.0	78.7	263.4	277.9	278.8	152.3	146.3	156.0
Rochester	1.6	1.6	1.5	20.4	20.6	20.4	5.3	5.1	5.2
St. Cloud	2.0	2.1	2.1	11.3	11.7	12.1	11.4	10.8	11.3
Mississippi	34.0	34.5	34.5	126.3	127.6	128.8	184.1	185.9	187.1
Jackson	11.6	11.8	11.8	31.1	31.5	31.8	34.8	34.6	34.9
Missouri	109.6	109.9	109.4	413.8	418.6	416.3	335.1	334.6	342.6
Kansas City	47.3	49.0	49.0	137.7	140.6	138.7	88.8	88.3	89.9
St. Joseph	2.0	2.2	2.2	7.7	7.7	7.7	5.9	5.8	6.1
St. Louis	59.1	59.8	59.8	234.9	236.8	236.1	137.7	136.7	139.5
Springfield	3.8	3.8	3.9	22.3	22.3	22.3	11.8	11.6	12.1
Montana	12.8	13.0	12.8	57.3	60.6	60.2	70.4	70.7	72.8
Nebraska	41.8	43.2	43.0	127.3	131.9	132.5	135.8	139.2	140.7
Lincoln	7.1	7.3	7.3	19.2	19.8	20.0	28.4	28.7	29.1
Omaha	24.1	25.4	25.3	65.0	67.8	67.3	43.5	43.9	45.4
Nevada	19.2	19.0	19.0	185.2	188.2	188.1	58.8	59.5	60.6
Las Vegas	11.0	11.1	11.1	114.7	115.0	115.2	27.8	28.3	29.0
Reno	6.3	5.9	6.0	45.6	47.1	47.1	16.7	16.6	17.0
New Hampshire	21.8	23.3	23.5	87.7	94.6	95.1	55.2	54.8	55.6
Manchester	6.3	6.5	6.5	18.5	19.2	19.3	8.4	8.3	8.5
Nashua	2.3	2.6	2.6	12.2	12.7	12.8	5.4	5.5	5.6
New Jersey	173.6	178.4	178.1	700.4	725.6	721.0	530.1	519.3	534.2
Atlantic City	5.0	5.2	5.2	48.2	55.1	54.4	16.9	16.8	17.0
Camden	18.3	18.9	18.8	76.9	76.5	77.1	69.5	68.5	70.4
Hackensack	19.9	20.8	20.5	85.4	86.4	86.6	43.6	41.7	43.3
Jersey City	8.2	8.7	8.7	34.7	33.3	33.5	39.7	40.6	40.5
Long Branch-Asbury Park	8.3	8.4	8.4	46.3	51.4	50.9	36.8	38.4	38.8
New Brunswick-Perth Amboy-Sayreville	14.1	14.6	14.6	49.1	50.2	51.0	48.4	45.9	47.2
Newark	68.9	70.7	71.2	222.5	230.6	230.6	144.3	141.6	146.6
Paterson-Clifton-Passaic	9.5	9.0	9.0	36.1	37.7	37.4	25.4	25.2	25.9
Trenton	8.0	7.9	7.9	46.6	47.6	49.2	47.1	46.6	46.5
Vineland-Millville-Bridgeton	2.7	2.7	2.7	9.6	9.3	9.3	10.6	10.9	11.0
New Mexico	23.5	24.5	24.5	100.4	105.3	104.1	128.9	131.9	132.6
Albuquerque	12.0	12.5	12.6	50.7	53.5	53.3	43.5	45.9	46.5
Las Cruces	1.3	1.4	1.4	4.7	4.7	5.1	15.0	14.5	15.3

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P
New York	7,380.5	7,486.6	7,552.5	7.4	7.8	7.8	245.7	259.9	260.1
Albany-Schenectady-Troy	343.5	349.2	353.6	(¹)	(¹)	(¹)	12.4	13.6	13.6
Binghamton	118.6	121.1	122.1	(¹)	(¹)	(¹)	4.6	5.3	5.1
Buffalo	469.7	467.7	471.7	(¹)	(¹)	(¹)	16.3	16.4	16.4
Elmira	34.4	34.5	34.9	(¹)	(¹)	(¹)	1.2	1.3	1.3
Glens Falls	38.3	40.5	39.6	(¹)	(¹)	(¹)	1.1	1.2	1.2
Monroe County	344.8	344.0	349.2	(¹)	(¹)	(¹)	10.4	11.4	11.5
Nassau-Suffolk	991.2	1,015.9	1,028.9	(¹)	(¹)	(¹)	43.2	46.3	45.8
Newburgh-Middletown	83.9	84.0	85.0	(¹)	(¹)	(¹)	2.5	3.0	2.9
New York-Northeastern New Jersey	6,926.5	7,048.4	7,106.2	2.4	2.4	2.4	224.1	239.4	239.2
New York and Nassau-Suffolk	4,830.5	4,918.5	4,961.5	2.2	2.3	2.3	155.0	164.4	164.3
New York SMSA	3,839.3	3,902.6	3,932.7	2.0	2.1	2.1	111.9	118.1	118.5
New York City	3,374.2	3,433.8	3,460.9	1.7	1.8	1.8	89.1	94.8	95.3
Poughkeepsie	106.7	109.4	109.6	(¹)	(¹)	(¹)	3.9	4.1	4.0
Rochester	426.5	426.2	432.4	(¹)	(¹)	(¹)	12.7	14.4	14.6
Rockland County	86.4	87.2	88.4	(¹)	(¹)	(¹)	3.2	3.5	3.6
Syracuse	268.4	270.0	275.1	(¹)	(¹)	(¹)	14.7	15.2	15.2
Utica-Rome	112.9	115.8	117.0	(¹)	(¹)	(¹)	3.2	3.9	3.8
Westchester County	365.5	368.1	369.8	(¹)	(¹)	(¹)	18.8	19.1	19.0
North Carolina	2,468.3	2,515.9	2,524.9	4.4	4.5	4.5	118.4	125.8	127.6
Asheville	71.8	71.9	72.1	(¹)	(¹)	(¹)	2.9	2.8	2.9
Charlotte-Gastonia	349.8	357.2	358.2	(¹)	(¹)	(¹)	18.1	19.1	19.4
Greensboro-Winston-Salem-High Point	399.4	405.8	407.6	(¹)	(¹)	(¹)	18.2	19.7	20.2
Raleigh-Durham	300.3	308.6	313.4	(¹)	(¹)	(¹)	16.7	18.4	18.9
North Dakota	255.9	255.0	256.3	6.9	7.8	7.6	20.5	17.1	16.8
Fargo-Moorhead	64.9	63.6	65.5	(¹)	(¹)	(¹)	3.3	3.3	3.2
Ohio	4,170.0	4,224.2	4,236.2	27.5	27.9	27.7	145.0	145.1	145.2
Akron	250.3	254.8	254.1	(¹)	(¹)	(¹)	7.9	8.0	8.1
Canton	145.9	148.7	148.8	(¹)	(¹)	(¹)	4.9	5.4	5.4
Cincinnati	584.0	591.0	593.0	(¹)	(¹)	(¹)	22.8	21.9	22.0
Cleveland	835.5	833.4	835.9	(¹)	(¹)	(¹)	27.7	25.7	25.8
Columbus	512.6	519.0	526.0	(¹)	(¹)	(¹)	17.2	17.6	17.5
Dayton	342.1	350.4	352.3	(¹)	(¹)	(¹)	10.3	10.3	10.3
Toledo	289.6	296.9	298.2	(¹)	(¹)	(¹)	10.6	10.8	10.7
Youngstown-Warren	181.3	182.9	182.1	(¹)	(¹)	(¹)	5.5	5.4	5.4
Oklahoma	1,173.8	1,185.7	1,181.2	73.2	73.6	73.4	51.8	46.9	44.9
Enid	27.2	26.1	26.0	2.1	2.0	2.0	1.4	1.1	1.1
Lawton	32.4	32.2	32.4	(¹)	(¹)	(¹)	1.4	1.1	1.1
Oklahoma City	427.8	440.5	438.6	22.9	23.5	23.4	18.8	18.9	17.8
Tulsa	304.1	309.1	308.4	22.5	22.8	22.8	15.0	15.1	14.5
Oregon	989.0	1,011.5	1,017.2	1.8	2.2	2.2	30.1	31.2	30.4
Eugene-Springfield	95.4	94.5	96.7	.3	.3	.3	2.9	3.3	3.2
Medford	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Portland	522.5	536.7	539.3	.7	.7	.7	16.9	19.4	19.6
Salem	86.6	87.7	89.2	.1	.1	.1	2.4	2.5	2.5
Pennsylvania	4,598.8	4,640.5	4,666.8	40.4	40.1	38.8	182.1	191.3	194.7
Allentown-Bethlehem-Easton	251.1	254.1	254.9	.7	.6	.5	8.0	7.7	7.8
Altoona	45.8	47.9	47.1	.1	.2	.1	1.8	1.8	1.8
Delaware Valley	1,589.7	1,601.4	1,622.0	1.0	1.1	1.1	64.0	66.2	66.8
Erie	105.6	108.0	107.8	.2	.3	.3	3.1	3.2	3.0
Harrisburg	226.7	231.5	232.2	.1	.1	.1	7.8	8.3	8.5
Johnstown	75.1	76.3	75.9	6.2	6.5	6.0	2.4	2.7	2.7
Lancaster	156.8	157.7	158.7	.4	.4	.4	6.4	6.8	6.8
Northeast Pennsylvania	234.8	236.4	237.9	.8	.8	.8	9.2	8.6	8.7
Philadelphia SMSA	1,952.6	1,966.6	1,991.2	1.1	1.2	1.2	78.3	80.8	81.8
Philadelphia City	754.9	755.0	767.2	(¹)	(¹)	(¹)	19.1	19.6	20.0
Pittsburgh	862.1	858.3	858.4	6.7	6.6	5.6	40.9	44.1	44.9
Reading	140.6	143.0	144.4	.2	.2	.2	4.7	5.5	5.6
Sharon	39.5	40.6	41.0	.4	.5	.5	.9	1.1	1.0
State College	49.0	49.7	50.5	.4	.3	.3	1.8	1.6	1.7
Williamsport	43.8	45.5	46.0	.2	.2	.2	1.1	1.2	1.2
York	152.2	155.9	155.5	.4	.4	.4	5.7	6.0	6.0

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Oct. 1983	Sept. 1984	Oct. 1984 ^p	Oct. 1983	Sept. 1984	Oct. 1984 ^p	Oct. 1983	Sept. 1984	Oct. 1984 ^p
New York	1,319.3	1,332.7	1,330.7	419.5	410.2	411.7	1,509.1	1,554.8	1,560.3
Albany-Schenectady-Troy	52.0	50.9	51.0	15.4	15.8	15.8	70.8	74.7	75.5
Binghamton	41.2	42.3	42.4	4.4	4.4	4.4	21.6	22.7	22.6
Buffalo	104.1	102.4	102.2	25.1	25.3	25.3	110.4	111.7	111.8
Elmira	8.4	8.1	8.1	1.4	1.4	1.4	8.7	9.2	9.2
Glens Falls	9.4	9.7	9.7	1.3	1.4	1.3	8.2	9.0	8.6
Monroe County	126.6	127.2	126.9	10.3	10.0	10.0	66.0	66.2	66.8
Nassau-Suffolk	169.5	172.3	173.1	44.6	44.0	44.3	261.2	276.3	275.7
Newburgh-Middletown	14.5	14.7	14.8	5.5	5.2	5.3	20.1	20.5	20.5
New York-Northeastern New Jersey	1,226.6	1,234.9	1,234.5	469.3	464.9	467.8	1,470.2	1,516.1	1,525.4
New York and Nassau-Suffolk	694.3	697.9	696.7	310.1	304.6	305.6	985.7	1,016.1	1,022.8
New York SMSA	524.8	525.6	523.6	265.4	260.7	261.3	724.4	739.7	747.1
New York City	440.9	441.3	440.3	240.9	237.2	237.5	613.9	627.1	633.5
Poughkeepsie	33.8	34.7	34.5	3.3	3.3	3.3	17.4	18.2	18.2
Rochester	147.6	149.2	148.9	12.9	12.7	12.6	84.1	84.8	85.3
Rockland County	14.9	15.7	15.7	3.6	3.6	3.6	19.4	19.8	19.8
Syracuse	56.3	57.9	58.2	15.0	15.0	15.0	59.0	60.4	60.4
Utica-Rome	26.5	28.5	28.7	4.2	4.3	4.3	23.0	23.9	23.7
Westchester County	67.7	67.3	66.3	20.3	19.3	19.6	87.7	89.3	90.2
North Carolina	809.7	815.2	811.0	122.4	123.9	124.1	518.7	536.7	539.9
Asheville	21.1	20.8	20.4	3.5	3.5	3.5	15.8	16.1	16.4
Charlotte-Gastonia	90.8	93.3	93.1	32.0	32.6	32.6	85.4	86.4	86.6
Greensboro-Winston-Salem-High Point	145.4	148.2	148.3	21.9	22.0	22.0	82.0	84.7	84.8
Raleigh-Durham	49.6	52.4	52.7	14.6	14.7	14.8	58.2	60.3	61.3
North Dakota	15.8	16.2	16.4	16.7	16.5	16.6	65.9	66.6	66.4
Fargo-Moorhead	4.9	4.9	5.1	3.9	3.7	3.7	18.7	19.0	18.9
Ohio	1,099.1	1,125.2	1,120.2	200.7	201.0	201.4	931.2	947.1	945.2
Akron	66.1	67.7	67.5	12.7	12.7	12.6	57.5	58.4	58.1
Canton	44.2	45.5	45.5	6.0	5.8	5.8	33.3	34.3	34.0
Cincinnati	144.2	143.5	146.1	31.7	31.1	31.1	140.5	142.8	142.6
Cleveland	210.9	210.5	210.2	42.1	41.9	42.2	193.7	193.4	193.0
Columbus	86.6	89.5	89.2	23.1	23.8	23.9	123.4	126.8	127.6
Dayton	88.7	92.6	92.2	12.9	13.1	13.1	72.3	74.0	73.9
Toledo	73.2	77.2	76.4	17.6	17.8	17.8	64.2	65.0	65.0
Youngstown-Warren	54.9	54.8	54.4	7.6	7.6	7.6	41.8	42.1	41.7
Oklahoma	168.2	176.9	177.4	67.1	65.7	65.6	285.8	294.1	289.3
Enid	2.5	2.0	2.0	2.8	2.7	2.6	7.5	7.6	7.5
Lawton	3.3	3.5	3.5	1.5	1.4	1.5	8.4	8.6	8.4
Oklahoma City	51.1	54.4	54.3	23.3	22.9	23.0	107.9	114.3	112.9
Tulsa	53.3	55.6	56.1	22.2	22.7	22.7	70.7	72.9	72.8
Oregon	195.5	207.7	203.7	56.0	55.6	55.8	247.9	256.3	256.0
Eugene-Springfield	18.9	19.8	19.4	4.5	4.2	4.2	23.9	24.4	24.5
Medford	8.4	8.9	8.8	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Portland	95.1	102.6	101.8	34.5	34.6	34.7	139.1	143.7	143.6
Salem	15.6	16.2	16.1	2.7	2.6	2.6	18.8	19.5	19.3
Pennsylvania	1,110.5	1,115.4	1,112.0	247.5	249.2	249.7	1,012.7	1,018.4	1,023.4
Allentown-Bethlehem-Easton	88.0	88.8	89.0	13.5	13.8	13.8	51.3	52.9	53.2
Altoona	10.9	11.3	11.2	5.1	5.1	5.1	10.7	11.4	11.3
Delaware Valley	321.0	321.3	321.7	79.0	81.0	80.7	350.4	353.6	358.2
Erie	34.8	36.1	36.8	4.3	4.3	4.3	21.8	22.8	22.5
Harrisburg	41.3	42.8	41.9	16.6	16.1	16.4	47.9	48.7	49.3
Johnstown	12.5	12.2	12.4	4.8	4.9	4.9	15.6	15.9	15.8
Lancaster	56.4	57.6	57.4	6.4	6.2	6.3	37.2	37.4	37.5
Northeast Pennsylvania	62.2	63.7	63.8	12.9	12.8	12.9	52.1	52.5	52.3
Philadelphia SMSA	392.1	392.8	394.5	95.0	97.6	97.1	448.3	452.0	456.8
Philadelphia City	110.6	109.1	108.7	48.3	48.6	48.3	146.2	146.3	148.8
Pittsburgh	164.8	154.7	152.5	52.4	53.3	53.3	207.7	207.6	207.2
Reading	51.9	52.8	53.0	5.9	5.8	5.9	29.1	30.6	30.8
Sharon	10.3	11.3	11.2	2.1	2.1	2.1	9.4	9.5	9.5
State College	7.2	7.9	7.7	1.2	1.3	1.4	9.3	9.3	9.4
Williamsport	13.9	15.6	15.6	2.0	2.0	2.0	9.6	9.8	9.8
York	58.1	59.2	58.9	7.2	7.6	7.6	35.0	36.9	36.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Oct. 1983	Sept. 1984	Oct. 1984 ^a	Oct. 1983	Sept. 1984	Oct. 1984 ^a	Oct. 1983	Sept. 1984	Oct. 1984 ^a
New York	690.7	709.3	706.9	1,896.9	1,950.5	1,966.9	1,291.9	1,261.5	1,308.0
Albany-Schenectady-Troy	16.9	17.3	17.2	80.5	81.6	82.7	95.5	95.4	97.7
Binghamton	3.9	3.9	3.9	21.2	21.5	21.7	21.7	20.9	22.0
Buffalo	22.7	23.5	23.5	109.0	109.3	110.5	82.1	79.1	82.0
Elmira	1.1	1.1	1.1	7.5	7.3	7.5	6.2	6.1	6.3
Glens Falls	1.9	1.9	1.9	8.0	9.4	8.4	8.3	8.0	8.4
Monroe County	15.2	15.4	15.3	77.3	77.2	79.3	38.9	36.6	39.4
Nassau-Suffolk	57.9	59.5	59.5	243.4	254.7	255.3	171.4	162.8	175.1
Newburgh-Middletown	3.1	3.3	3.2	17.3	17.6	17.5	20.9	19.8	20.7
New York-Northeastern New Jersey	700.7	719.3	717.4	1,767.8	1,818.1	1,831.0	1,065.4	1,053.3	1,088.5
New York and Nassau-Suffolk	580.1	595.4	593.5	1,339.1	1,379.4	1,391.3	763.9	758.4	785.0
New York SMSA	522.2	535.9	534.0	1,096.0	1,124.9	1,136.2	592.5	595.5	609.9
New York City	496.6	509.9	508.0	974.1	999.3	1,010.2	516.9	522.6	534.3
Poughkeepsie	3.1	3.4	3.4	21.8	22.0	22.2	23.5	23.8	24.1
Rochester	16.9	17.2	17.0	92.1	91.0	93.0	60.0	57.0	61.0
Rockland County	3.4	3.5	3.4	21.5	21.6	21.8	20.3	19.5	20.4
Syracuse	17.5	17.7	17.7	58.9	58.6	61.6	47.1	45.1	46.9
Utica-Rome	6.0	6.2	6.1	22.4	21.9	22.0	27.4	27.1	28.3
Westchester County	21.7	22.1	22.0	97.2	100.6	100.9	52.2	50.2	51.9
North Carolina	101.6	104.2	104.1	370.7	380.4	380.9	422.4	425.2	432.8
Asheville	2.3	2.5	2.5	14.7	15.0	15.0	11.5	11.2	11.4
Charlotte-Gastonia	23.4	23.7	23.7	62.1	62.4	63.0	38.0	39.7	39.8
Greensboro-Winston-Salem-High Point	19.0	19.1	19.0	63.5	63.9	64.0	49.4	48.2	49.3
Raleigh-Durham	16.6	17.4	17.4	64.3	66.0	67.3	80.3	79.4	81.0
North Dakota	11.8	12.1	12.1	56.0	57.4	57.3	62.3	61.3	63.1
Fargo-Moorhead	3.9	4.0	4.1	16.3	15.7	16.6	13.9	13.0	13.9
Ohio	211.5	215.1	214.8	888.8	911.5	909.8	666.3	651.3	671.9
Akron	9.3	9.6	9.6	53.5	55.8	55.4	42.5	41.9	42.1
Canton	6.5	6.8	6.8	31.1	32.2	32.2	18.6	17.3	17.8
Cincinnati	32.8	33.9	33.9	131.3	138.1	135.5	80.3	79.4	81.3
Cleveland	48.9	48.2	47.9	198.2	202.4	203.2	112.9	110.1	112.4
Columbus	44.1	45.5	45.4	114.8	116.6	118.3	102.9	98.7	103.5
Dayton	14.0	14.3	14.3	77.0	79.5	79.4	66.7	66.4	68.8
Toledo	10.7	11.0	11.1	65.1	66.6	66.9	47.8	47.9	49.8
Youngstown-Warren	7.2	7.4	7.4	39.4	41.3	40.3	24.2	23.7	24.7
Oklahoma	62.2	64.1	63.6	218.1	224.7	221.4	247.4	239.7	245.6
Enid	1.3	1.3	1.3	5.6	5.5	5.5	4.0	3.8	3.9
Lawton	1.4	1.3	1.3	5.7	6.0	5.6	10.7	10.3	11.0
Oklahoma City	27.5	28.1	27.9	81.3	86.3	85.0	95.0	92.1	94.3
Tulsa	16.5	17.3	17.0	67.9	67.4	67.3	36.0	35.3	35.2
Oregon	65.4	67.3	66.9	195.8	203.3	203.8	196.5	187.9	198.4
Eugene-Springfield	4.5	4.5	4.3	18.9	19.2	19.1	21.5	18.8	21.7
Medford	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Portland	43.4	43.4	43.4	113.2	114.5	115.5	79.6	77.8	80.0
Salem	5.2	5.3	5.3	15.1	15.8	16.1	26.7	25.7	27.2
Pennsylvania	243.1	253.9	253.2	1,086.0	1,111.0	1,114.9	676.5	661.2	680.1
Allentown-Bethlehem-Easton	9.9	10.1	10.0	51.5	53.8	53.4	28.2	26.4	27.2
Altoona	1.5	1.5	1.5	8.9	9.4	9.2	6.8	7.2	6.9
Delaware Valley	110.4	116.2	116.2	444.2	448.8	459.3	219.7	213.2	218.0
Erie	4.7	4.8	4.8	24.1	24.1	23.5	12.6	12.4	12.6
Harrisburg	13.1	13.9	14.1	44.3	45.8	45.3	55.6	55.8	56.6
Johnstown	3.9	4.1	4.1	17.0	17.3	17.3	12.7	12.7	12.7
Lancaster	5.8	5.8	5.8	29.2	29.1	29.3	15.0	14.4	15.2
Northeast Pennsylvania	9.9	10.4	10.3	51.7	52.8	53.0	36.0	34.8	36.1
Philadelphia SMSA	128.7	135.2	135.0	519.8	525.3	536.4	289.3	281.7	288.4
Philadelphia City	62.8	64.7	65.0	232.2	231.9	240.0	135.7	134.8	136.4
Pittsburgh	48.0	50.0	50.0	234.2	235.7	235.8	107.4	106.3	109.1
Reading	6.3	6.5	6.5	26.0	25.9	25.9	16.5	15.7	16.5
Sharon	1.3	1.3	1.3	10.1	9.8	10.1	5.0	5.0	5.3
State College	1.4	1.5	1.5	6.9	7.5	7.5	20.8	20.3	21.0
Williamsport	2.1	2.2	2.2	8.8	9.0	8.9	6.1	5.5	6.1
York	4.1	4.3	4.3	24.0	24.5	24.0	17.7	17.0	17.4

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P
Rhode Island	401.3	408.6	408.6	0.1	0.1	0.1	12.5	13.6	13.5
Providence-Warwick-Pawtucket	403.3	408.6	410.3	.2	.3	.2	12.1	13.2	13.1
South Carolina	1,207.1	1,244.0	1,241.4	1.7	1.8	1.8	71.9	71.5	70.8
Charleston-North Charleston	155.7	161.5	161.4	(⁹)	(⁹)	(⁹)	10.6	10.5	10.6
Columbia	191.4	196.2	198.8	(⁹)	(⁹)	(⁹)	13.0	11.8	11.9
Greenville-Spartanburg	266.4	268.0	268.7	(⁹)	(⁹)	(⁹)	16.6	16.2	15.7
South Dakota	238.2	241.1	241.7	2.7	2.7	2.7	9.8	9.8	9.7
Sioux Falls	58.0	60.6	60.3	(⁹)	(⁹)	(⁹)	2.6	2.8	2.8
Tennessee	1,763.8	1,825.7	1,830.4	8.5	8.0	8.1	75.4	82.1	78.6
Chattanooga	167.5	171.9	171.8	1.2	1.2	1.2	6.2	7.2	7.1
Johnson City-Kingsport-Bristol	147.4	153.1	152.7	.3	.3	.3	7.5	9.1	8.9
Knoxville	204.4	203.3	203.4	1.3	1.4	1.4	9.5	9.4	9.3
Memphis	356.3	363.6	365.5	.1	.1	.1	14.2	14.8	14.8
Nashville-Davidson	384.5	400.4	400.8	(¹)	(¹)	(¹)	19.8	23.1	22.6
Texas	6,228.2	6,373.8	6,393.4	259.6	271.8	271.3	422.4	401.5	399.3
Abilene	58.3	58.0	58.0	4.2	4.0	4.0	3.1	3.1	3.1
Amarillo	78.6	80.1	79.8	(¹)	(¹)	(¹)	4.2	4.0	3.8
Austin	287.4	304.9	306.5	(¹)	(¹)	(¹)	17.6	21.1	21.1
Beaumont-Port Arthur-Orange	141.0	141.2	141.3	(¹)	(¹)	(¹)	9.9	9.5	9.3
Brownsville-Harlingen-San Benito	63.1	62.9	62.6	(¹)	(¹)	(¹)	3.7	3.2	3.3
Bryan-College Station	46.7	47.7	49.0	1.1	1.1	1.1	3.1	3.5	3.4
Corpus Christi	127.4	130.6	130.8	7.2	7.6	7.5	9.5	9.6	9.7
Dallas-Fort Worth	1,611.1	1,672.8	1,675.2	28.5	28.0	28.1	99.2	104.0	103.3
El Paso	164.9	168.3	169.7	(¹)	(¹)	(¹)	8.9	9.3	9.2
Galveston-Texas City	69.5	70.8	71.6	(¹)	(¹)	(¹)	4.5	4.1	4.4
Houston	1,502.8	1,527.4	1,529.5	97.6	100.6	101.0	137.9	124.4	123.9
Killeen-Temple	61.0	63.5	63.7	(¹)	(¹)	(¹)	3.5	4.0	3.8
Laredo	29.9	30.3	30.7	(¹)	(¹)	(¹)	1.3	1.1	1.1
Longview-Marshall	67.5	67.5	67.4	(¹)	(¹)	(¹)	4.8	4.7	4.7
Lubbock	92.0	92.7	93.4	(¹)	(¹)	(¹)	4.4	4.4	4.2
McAllen-Pharr-Edinburg	77.6	77.1	78.1	1.4	1.5	1.5	5.2	4.9	4.9
Midland	52.3	58.3	59.0	12.2	13.2	13.3	3.7	3.6	3.7
Odessa	55.8	60.1	61.2	8.8	8.8	8.8	4.2	4.5	4.7
San Angelo	37.4	38.2	38.2	.9	.8	.8	2.4	2.4	2.3
San Antonio	442.6	461.2	462.6	3.4	3.7	3.7	31.5	32.7	32.6
Sherman-Denison	34.5	35.3	35.0	.2	.2	.2	1.3	1.3	1.3
Texarkana	46.4	48.4	48.0	.1	.1	.1	2.0	2.2	1.9
Tyler	57.6	58.7	58.3	3.0	2.9	2.9	2.6	2.5	2.3
Waco	75.5	78.2	78.6	(¹)	(¹)	(¹)	3.9	4.3	4.2
Wichita Falls	53.2	54.1	53.8	3.2	3.3	3.2	2.2	2.0	2.0
Utah	582.2	609.5	610.5	14.2	12.5	11.8	33.0	37.7	37.4
Salt Lake City-Ogden	412.2	432.5	433.7	6.2	4.5	4.4	22.1	25.8	25.4
Vermont	210.5	213.4	214.7	.6	.6	.6	13.2	13.8	14.2
Burlington	64.1	65.5	66.8	(⁹)	(⁹)	(⁹)	3.9	4.5	4.7
Springfield	13.3	13.6	13.7	(⁹)	(⁹)	(⁹)	1.5	1.5	1.4
Virginia	2,238.2	2,313.7	2,324.7	18.3	18.6	17.1	120.9	134.1	135.0
Bristol	27.0	28.1	28.1	.1	.1	.1	1.1	1.4	1.4
Charlottesville	58.2	60.0	60.4	.1	.1	.1	3.0	3.2	3.1
Danville	41.0	41.1	41.3	.1	.1	.1	1.4	1.7	1.7
Lynchburg	70.4	71.8	71.9	.1	.1	.1	2.6	2.8	2.7
Newport News-Hampton	161.1	170.0	170.0	.1	.1	.1	7.9	8.4	8.8
Norfolk-Virginia Beach-Portsmouth	308.6	323.3	320.7	.1	.1	.1	20.4	22.1	22.1
Northern Virginia	512.8	543.3	548.1	.5	.6	.6	29.8	35.2	35.1
Petersburg-Colonial Heights-Hopewell	41.2	41.3	41.6	.1	.1	.1	1.8	1.9	1.9
Richmond	337.1	345.4	347.2	.3	.4	.4	16.4	17.4	18.0
Roanoke	103.0	107.5	107.8	.1	.1	.1	5.6	6.1	6.0
Washington	1,612.1	1,672.9	1,668.4	2.9	2.7	2.6	75.0	83.1	81.1
Seattle-Everett	780.5	808.8	812.4	.4	.4	.4	36.8	39.1	38.3

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Oct. 1983	Sept. 1984	Oct. 1984 ^p	Oct. 1983	Sept. 1984	Oct. 1984 ^p	Oct. 1983	Sept. 1984	Oct. 1984 ^p
Rhode Island	118.7	121.7	120.9	13.4	13.8	13.6	84.3	84.9	85.1
Providence-Warwick-Pawtucket	128.3	130.3	130.8	13.6	13.9	13.9	84.2	84.4	84.5
South Carolina	369.3	374.2	373.0	55.2	57.1	56.9	241.1	255.1	251.4
Charleston-North Charleston	19.1	20.1	19.7	8.2	8.9	8.7	36.4	39.0	38.5
Columbia	26.2	27.1	27.0	9.4	8.7	8.8	39.8	41.6	41.8
Greenville-Spartanburg	98.8	99.3	99.4	9.8	9.5	9.6	54.6	55.9	56.3
South Dakota	27.0	28.4	28.4	12.5	12.4	12.4	61.8	65.1	63.9
Sioux Falls	8.4	9.2	9.0	4.4	4.7	4.6	15.6	16.5	16.3
Tennessee	485.0	496.0	493.2	87.3	92.0	92.6	398.1	414.5	419.2
Chattanooga	43.9	44.6	44.4	7.4	7.3	7.3	38.3	38.3	38.8
Johnson City-Kingsport-Bristol	53.0	54.7	54.3	5.9	5.6	5.6	29.3	28.9	28.7
Knoxville	48.9	50.7	50.6	7.5	7.0	7.0	46.5	47.6	47.5
Memphis	51.6	52.1	52.1	27.3	30.0	30.8	98.6	100.2	100.7
Nashville-Davidson	83.0	87.5	86.6	20.4	19.3	19.5	88.9	90.6	89.9
Texas	966.4	997.5	996.0	371.5	385.0	384.4	1,571.1	1,603.4	1,605.1
Abilene	6.4	5.9	5.9	3.2	3.1	3.1	15.0	15.2	15.2
Amarillo	9.6	9.7	9.6	6.5	6.5	6.5	23.2	24.2	24.1
Austin	33.9	36.5	36.4	8.0	8.1	8.1	64.4	69.0	69.2
Beaumont-Port Arthur-Orange	32.0	31.1	31.1	11.6	11.7	11.6	32.9	34.0	33.9
Brownsville-Harlingen-San Benito	10.8	10.8	10.3	3.2	3.2	3.2	17.2	17.3	17.3
Bryan-College Station	3.1	3.2	3.2	1.8	1.8	1.8	10.2	10.5	10.8
Corpus Christi	14.3	14.8	14.8	7.4	7.4	7.4	32.0	33.1	33.2
Dallas-Fort Worth	311.0	321.9	321.1	97.5	100.9	100.5	433.9	447.7	449.7
El Paso	36.0	38.7	39.5	9.8	9.6	9.7	39.9	41.1	41.1
Galveston-Texas City	10.4	9.9	9.9	6.3	5.9	5.7	12.6	12.4	12.4
Houston	198.4	199.0	198.7	103.4	107.3	107.1	362.7	372.1	371.7
Killeen-Temple	8.6	8.7	8.9	3.1	3.1	3.1	14.4	15.3	15.3
Laredo	1.8	1.7	1.8	3.2	3.3	3.4	9.0	9.3	9.5
Longview-Marshall	14.6	14.9	14.9	3.7	3.6	3.6	17.1	17.3	17.3
Lubbock	10.9	9.4	9.4	4.7	4.7	4.9	26.4	27.1	27.4
McAllen-Pharr-Edinburg	9.5	9.8	10.3	2.6	2.6	2.6	24.6	23.8	23.9
Midland	3.5	4.1	3.9	2.9	2.9	3.0	12.3	14.1	14.6
Odessa	6.2	5.8	5.9	3.0	2.9	2.9	15.9	18.9	19.4
San Angelo	5.6	5.5	5.5	3.7	3.8	3.7	8.9	9.6	9.6
San Antonio	49.2	51.5	51.3	18.4	18.8	19.0	113.4	122.0	121.8
Sherman-Denison	11.4	12.0	11.8	2.1	2.1	2.1	7.1	7.3	7.3
Texarkana	8.6	9.4	9.4	2.1	1.9	1.8	10.8	11.2	11.0
Tyler	11.7	12.5	12.4	2.8	2.9	2.8	14.5	14.9	14.7
Waco	15.7	16.2	16.0	3.2	3.4	3.4	19.0	20.4	20.4
Wichita Falls	9.0	9.8	9.6	2.8	2.9	2.9	13.3	13.5	13.5
Utah	89.3	96.3	96.0	37.0	36.8	36.7	135.0	144.7	144.5
Salt Lake City-Ogden	60.9	65.4	65.0	29.1	28.2	28.1	100.5	107.7	107.9
Vermont	47.9	48.5	48.6	9.0	9.3	9.2	44.1	45.5	45.2
Burlington	15.6	16.0	16.1	2.6	2.6	2.6	13.4	13.9	13.9
Springfield	3.9	4.0	4.0	6	6	7	2.4	2.4	2.4
Virginia	410.3	416.3	415.0	122.1	126.5	126.7	484.9	511.3	518.9
Bristol	8.8	9.9	9.8	1.1	1.1	1.1	6.5	6.5	6.6
Charlottesville	10.4	10.3	10.2	1.9	1.9	1.9	9.6	9.9	10.1
Danville	19.5	19.3	19.0	1.0	1.0	1.1	7.6	7.6	7.7
Lynchburg	27.0	27.8	27.7	2.9	3.1	3.1	12.3	12.6	12.6
Newport News-Hampton	38.8	40.3	40.0	4.6	4.9	4.9	32.9	35.7	36.0
Norfolk-Virginia Beach-Portsmouth	26.7	28.6	27.9	20.2	20.2	20.2	76.3	82.1	80.8
Northern Virginia	25.6	28.3	28.5	36.3	37.6	37.5	117.0	123.1	125.4
Petersburg-Colonial Heights-Hopewell	7.8	7.0	7.1	1.2	1.2	1.3	8.3	8.4	8.4
Richmond	55.6	57.1	57.1	19.6	20.4	20.7	81.9	84.1	84.5
Roanoke	19.9	20.4	20.5	8.1	8.2	8.2	26.6	28.5	28.6
Washington	282.2	293.5	292.2	89.5	94.0	92.2	404.7	418.5	414.1
Seattle-Everett	148.3	155.0	155.1	53.0	55.6	54.4	195.6	202.3	202.5

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Oct. 1983	Sept. 1984	Oct. 1984 ^p	Oct. 1983	Sept. 1984	Oct. 1984 ^p	Oct. 1983	Sept. 1984	Oct. 1984 ^p
Rhode Island	21.4	21.9	21.8	93.6	95.5	96.1	57.3	57.1	57.5
Providence-Warwick-Pawtucket	20.8	21.0	21.1	89.9	91.6	92.5	54.2	53.9	54.2
South Carolina	51.6	53.3	52.7	180.6	193.1	191.2	235.7	237.9	243.6
Charleston-North Charleston	7.3	7.8	7.7	26.8	27.7	27.4	47.2	47.4	48.7
Columbia	15.1	15.1	15.1	32.0	33.0	33.7	55.6	58.5	60.3
Greenville-Spartanburg	10.8	10.8	10.9	39.4	40.8	41.0	36.2	35.2	35.5
South Dakota	12.6	13.0	13.0	54.1	55.0	54.6	57.7	54.8	57.0
Sioux Falls	4.8	5.4	5.4	15.4	15.3	15.4	6.8	6.8	6.7
Tennessee	81.2	83.8	83.2	328.3	346.6	345.7	300.0	302.7	309.8
Chattanooga	9.9	10.4	10.3	29.6	30.1	29.8	31.0	32.8	32.9
Johnson City-Kingsport-Bristol	4.7	4.8	4.8	22.2	25.1	25.1	24.5	24.6	25.0
Knoxville	8.4	8.2	8.2	37.6	37.1	37.0	44.7	41.9	42.4
Memphis	20.8	21.3	21.3	81.7	82.5	82.4	62.0	62.6	63.3
Nashville-Davidson	26.8	28.7	28.8	84.6	89.6	91.1	61.2	61.6	62.3
Texas	395.4	406.3	406.2	1,194.7	1,238.0	1,239.1	1,047.1	1,070.3	1,092.0
Abilene	3.2	3.3	3.3	13.6	13.6	13.6	9.6	9.8	9.8
Amarillo	4.3	4.6	4.5	16.7	16.7	16.7	14.1	14.4	14.6
Austin	18.3	19.4	19.4	59.1	63.3	63.5	86.1	87.5	88.8
Beaumont-Port Arthur-Orange	5.6	5.6	5.6	28.8	29.5	29.8	20.2	19.8	20.0
Brownsville-Harlingen-San Benito	3.1	3.1	3.1	11.2	11.3	11.3	13.9	14.0	14.1
Bryan-College Station	1.9	1.9	1.9	6.6	7.0	6.9	18.9	18.7	19.9
Corpus Christi	6.6	6.6	6.3	23.9	24.2	24.6	26.5	27.3	27.3
Dallas-Fort Worth	130.2	139.5	139.9	323.0	340.9	340.5	187.8	189.9	192.1
El Paso	7.8	7.9	8.0	27.9	28.1	27.8	34.6	33.6	34.4
Galveston-Texas City	4.5	4.5	4.5	11.3	12.3	12.2	19.9	21.4	22.5
Houston	105.1	110.7	110.6	316.2	332.9	331.9	181.5	180.4	184.6
Killeen-Temple	2.3	2.6	2.6	11.1	11.4	11.4	18.0	18.4	18.6
Laredo	1.4	1.4	1.5	5.9	6.4	6.3	7.3	7.1	7.1
Longview-Marshall	2.9	2.8	2.8	16.1	15.6	15.6	8.3	8.6	8.5
Lubbock	5.2	5.4	5.4	19.4	20.3	20.3	21.0	21.4	21.8
McAllen-Pharr-Edinburg	3.2	3.3	3.3	11.1	11.5	11.6	20.0	19.7	20.0
Midland	3.6	4.1	4.1	8.7	10.4	10.4	5.4	5.9	6.0
Odessa	2.3	2.3	2.3	8.3	9.5	9.6	7.1	7.4	7.6
San Angelo	1.6	1.7	1.7	7.4	7.8	7.8	6.9	6.6	6.8
San Antonio	31.7	33.2	33.6	95.8	99.8	100.2	99.2	99.5	100.4
Sherman-Denison	1.3	1.3	1.3	6.3	6.2	6.1	4.8	4.9	4.9
Texarkana	1.7	1.7	1.7	8.3	8.8	9.0	12.8	13.1	13.1
Tyler	3.2	3.2	3.2	11.7	11.8	11.9	8.1	8.0	8.1
Waco	4.5	4.7	4.7	17.4	17.7	18.1	11.8	11.5	11.8
Wichita Falls	2.5	2.5	2.5	9.3	9.4	9.4	10.9	10.7	10.7
Utah	28.6	30.3	30.4	115.3	121.5	121.1	129.8	129.9	132.7
Salt Lake City-Ogden	23.5	24.9	25.0	78.2	82.8	83.1	91.6	93.2	94.8
Vermont	8.9	9.3	9.3	49.8	50.5	50.3	37.0	35.9	37.3
Burlington	2.6	2.7	2.5	15.2	15.9	15.9	10.8	9.9	11.1
Springfield .....	.4	.4	.4	2.8	3.1	3.1	1.7	1.6	1.7
Virginia	111.1	116.5	114.9	462.3	483.3	483.6	508.3	507.1	513.5
Bristol .....	.9	.9	.9	3.5	3.7	3.7	5.0	4.6	4.6
Charlottesville	2.6	3.1	3.2	9.2	9.3	9.2	21.5	22.2	22.6
Danville	1.1	1.2	1.3	5.1	5.3	5.3	5.1	4.9	5.3
Lynchburg	3.2	3.2	3.2	12.6	12.7	12.6	9.6	9.7	9.9
Newport News-Hampton	4.7	5.4	5.1	33.4	35.6	35.2	38.7	39.6	39.8
Norfolk-Virginia Beach-Portsmouth	16.0	16.5	16.4	67.2	72.8	71.1	81.8	81.0	82.2
Northern Virginia	30.7	32.9	32.4	149.7	158.3	158.9	123.2	127.3	129.7
Petersburg-Colonial Heights-Hopewell	1.2	1.2	1.2	6.9	7.1	7.1	14.1	14.3	14.4
Richmond	27.5	28.1	27.8	63.8	66.8	67.3	71.9	71.1	71.4
Roanoke	6.2	6.5	6.5	21.9	23.3	23.1	14.5	14.4	14.8
Washington	93.2	94.8	94.2	329.8	351.6	347.6	334.8	334.7	344.4
Seattle-Everett	58.2	59.4	59.3	166.5	174.3	175.3	121.7	122.7	127.1

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P
West Virginia	590.3	594.0	589.6	49.5	50.4	42.5	24.9	25.5	25.1
Charleston	105.5	106.5	106.5	4.0	3.1	2.6	5.4	5.3	5.3
Huntington-Ashland	93.7	93.1	93.2	.7	.7	.7	4.8	4.8	4.7
Parkersburg-Marietta	56.6	57.4	57.5	1.2	1.2	1.2	2.6	3.0	2.8
Wheeling	58.3	57.5	57.0	3.4	3.1	2.6	2.2	2.2	2.2
Wisconsin	1,882.1	1,953.7	1,953.0	2.7	2.8	2.8	63.1	64.9	64.7
Appleton-Oshkosh	128.6	131.3	132.8	(¹)	(¹)	(¹)	5.1	6.1	6.2
Eau Claire	50.1	50.5	50.8	(¹)	(¹)	(¹)	1.6	1.3	1.4
Green Bay	82.0	83.8	84.4	(¹)	(¹)	(¹)	3.3	3.1	3.0
Janesville-Beloit	52.0	52.5	49.6	(¹)	(¹)	(¹)	1.4	1.5	1.5
Kenosha	43.2	43.5	42.9	(¹)	(¹)	(¹)	1.2	1.0	.9
La Crosse	46.7	47.7	48.3	(¹)	(¹)	(¹)	1.5	1.3	1.3
Madison	177.6	180.0	182.4	(¹)	(¹)	(¹)	7.1	6.8	6.6
Milwaukee	619.9	640.2	643.1	(¹)	(¹)	(¹)	17.0	17.8	17.8
Racine	64.0	65.7	65.6	(¹)	(¹)	(¹)	1.2	1.3	1.3
Sheboygan	39.6	44.3	44.3	(¹)	(¹)	(¹)	1.7	2.5	2.4
Wausau	41.8	42.3	42.6	(¹)	(¹)	(¹)	1.3	1.5	1.5
Wyoming	205.3	209.8	207.2	28.8	26.5	26.3	17.2	23.2	22.0
Puerto Rico	642.1	663.9	669.4	.7	.7	.7	26.2	27.7	27.4
Caguas	25.1	25.4	25.4	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Mayaguez	36.8	37.1	37.3	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Ponce	43.3	43.8	44.1	(¹)	(¹)	(¹)	1.6	1.9	1.9
San Juan	331.5	342.3	345.5	(¹)	(¹)	(¹)	18.5	20.9	21.0
Virgin Islands	34.9	33.6	33.6	(¹)	(¹)	(¹)	2.3	2.0	2.0

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Oct. 1983	Sept. 1984	Oct. 1984 ^p	Oct. 1983	Sept. 1984	Oct. 1984 ^p	Oct. 1983	Sept. 1984	Oct. 1984 ^p
West Virginia	90.8	91.7	91.0	39.8	39.3	39.0	126.7	128.0	128.3
Charleston	13.8	13.6	13.6	9.0	9.0	9.0	26.1	27.3	27.3
Huntington-Ashland	19.4	20.1	19.8	8.1	8.2	8.1	23.2	23.0	22.9
Parkersburg-Marietta	14.5	15.3	15.2	2.2	2.1	2.1	13.4	13.5	13.5
Wheeling	8.5	8.4	8.2	3.6	3.5	3.4	14.2	14.6	14.5
Wisconsin	490.2	518.9	509.5	88.3	87.3	88.5	434.1	455.5	457.4
Appleton-Oshkosh	46.7	48.1	47.9	4.7	4.7	4.8	27.3	28.5	29.3
Eau Claire	9.2	9.2	9.0	2.7	2.7	2.7	13.9	14.5	14.6
Green Bay	21.4	22.9	22.5	5.9	6.1	6.2	22.3	22.7	23.2
Janesville-Beloit	19.0	19.1	15.8	2.2	2.3	2.1	11.9	12.6	12.6
Kenosha	17.5	17.9	17.5	1.1	1.1	1.2	7.9	8.0	7.9
La Crosse	10.1	10.7	10.7	2.1	2.2	2.2	12.5	12.9	13.0
Madison	19.5	19.1	19.5	5.9	6.0	6.1	39.9	40.8	41.6
Milwaukee	158.9	169.8	169.6	33.5	32.0	32.3	139.3	143.6	144.1
Racine	24.5	25.1	25.0	2.3	2.3	2.3	13.8	14.2	14.4
Sheboygan	15.2	18.9	19.1	1.4	1.3	1.3	7.5	7.8	7.7
Wausau	11.3	11.8	11.7	2.1	2.1	2.1	10.1	10.2	10.2
Wyoming	8.9	9.0	9.3	16.5	16.4	16.1	44.3	44.7	44.1
Puerto Rico	145.9	148.1	148.4	15.2	15.0	15.6	102.9	103.7	103.5
Caguas	8.2	8.0	8.1	(¹)	(¹)	(¹)	5.1	5.3	5.2
Mayaguez	13.9	14.0	14.0	(¹)	(¹)	(¹)	5.2	5.3	5.5
Ponce	9.3	9.5	9.3	(¹)	(¹)	(¹)	7.1	6.9	7.0
San Juan	32.6	32.1	32.4	11.8	11.7	12.0	66.0	65.6	65.7
Virgin Islands	2.5	2.4	2.4	2.2	2.2	2.2	6.9	6.7	6.5

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Oct. 1983	Sept. 1984	Oct. 1984 ^p	Oct. 1983	Sept. 1984	Oct. 1984 ^p	Oct. 1983	Sept. 1984	Oct. 1984 ^p
West Virginia	22.2	22.1	22.1	107.1	106.1	107.9	129.3	130.9	133.7
Charleston	5.2	5.5	5.4	21.4	21.9	21.8	20.5	20.8	21.4
Huntington-Ashland	3.5	3.5	3.4	15.3	15.2	15.2	18.8	17.7	18.4
Parkersburg-Marietta	2.0	2.1	2.1	11.0	10.7	10.9	9.6	9.7	9.6
Wheeling	2.7	2.6	2.6	14.5	14.3	14.4	9.2	8.8	9.1
Wisconsin	97.6	100.0	100.3	386.5	407.1	405.4	317.6	317.2	324.4
Appleton-Oshkosh	6.0	6.4	6.4	22.6	22.6	22.7	16.0	15.0	15.5
Eau Claire	1.7	1.8	1.8	10.3	10.6	10.7	10.8	10.4	10.7
Green Bay	2.6	2.7	2.7	16.6	16.4	16.6	9.8	10.0	10.3
Janesville-Beloit	1.4	1.4	1.4	9.7	9.5	9.8	6.5	6.2	6.3
Kenosha	1.0	1.0	1.0	8.0	7.9	7.8	6.4	6.6	6.6
La Crosse	1.4	1.3	1.3	12.2	12.4	12.7	6.8	6.8	7.0
Madison	13.0	13.5	13.5	35.4	36.5	37.0	56.8	57.2	58.0
Milwaukee	41.9	42.4	42.6	150.7	157.7	158.0	78.6	76.8	78.7
Racine	2.1	2.2	2.2	12.1	12.6	12.5	7.9	8.0	8.0
Sheboygan	1.9	1.8	1.8	6.7	6.7	6.7	5.2	5.2	5.3
Wausau	3.8	3.8	3.8	6.9	6.9	6.9	6.2	6.1	6.4
Wyoming	7.6	7.6	7.6	30.5	32.8	30.7	51.5	49.6	51.1
Puerto Rico	28.1	28.7	28.7	85.2	88.2	88.7	238.0	251.8	256.4
Caguas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	8.4	8.6	8.8
Mayaguez	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	12.6	12.6	12.7
Ponce	(¹)	(¹)	(¹)	6.9	6.9	6.8	15.4	15.6	15.9
San Juan	21.5	21.7	21.8	57.9	60.0	60.4	123.0	130.1	132.0
Virgin Islands	1.4	1.3	1.3	5.6	5.4	5.5	14.0	13.6	13.7

- ¹ Combined with services.
- ² Not available.
- ³ Combined with construction.
- ⁴ Less than 50 employees.
- ^p = preliminary.

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1983 benchmarks except Wisconsin and Idaho. Idaho data have been adjusted to March 1984 benchmarks.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Total private ¹			Mining			Construction		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1963	38.8	\$2.28	\$88.46	41.6	\$2.75	\$114.40	37.3	\$3.41	\$127.19
1964	38.7	2.36	91.33	41.9	2.81	117.74	37.2	3.55	132.06
1965	38.8	2.46	95.45	42.3	2.92	123.52	37.4	3.70	138.38
1966	38.6	2.56	98.82	42.7	3.05	130.24	37.6	3.89	146.26
1967	38.0	2.68	101.84	42.6	3.19	135.89	37.7	4.11	154.95
1968	37.8	2.85	107.73	42.6	3.35	142.71	37.3	4.41	164.49
1969	37.7	3.04	114.61	43.0	3.60	154.80	37.9	4.79	181.54
1970	37.1	3.23	119.83	42.7	3.85	164.40	37.3	5.24	195.45
1971	36.9	3.45	127.31	42.4	4.06	172.14	37.2	5.69	211.67
1972	37.0	3.70	136.90	42.6	4.44	189.14	36.5	6.06	221.19
1973	36.9	3.94	145.39	42.4	4.75	201.40	36.8	6.41	235.89
1974	36.5	4.24	154.76	41.9	5.23	219.14	36.6	6.81	249.25
1975	36.1	4.53	163.53	41.9	5.95	249.31	36.4	7.31	266.08
1976	36.1	4.86	175.45	42.4	6.46	273.90	36.8	7.71	283.73
1977	36.0	5.25	189.00	43.4	6.94	301.20	36.5	8.10	295.65
1978	35.8	5.69	203.70	43.4	7.67	332.88	36.8	8.66	318.69
1979	35.7	6.16	219.91	43.0	8.49	365.07	37.0	9.27	342.99
1980	35.3	6.66	235.10	43.3	9.17	397.06	37.0	9.94	367.78
1981	35.2	7.25	255.20	43.7	10.04	438.75	36.9	10.82	399.26
1982	34.8	7.68	267.26	42.7	10.77	459.88	36.7	11.63	426.82
1983	35.0	8.02	280.70	42.5	11.27	478.98	37.2	11.92	443.42
Monthly data, not seasonally adjusted									
1983:									
November	35.1	\$8.16	\$286.42	42.9	\$11.40	\$489.06	36.3	\$11.91	\$432.33
December	35.5	8.16	289.68	43.4	11.41	495.19	36.8	12.02	442.34
1984:									
January	35.0	8.26	289.10	43.3	11.54	499.68	36.3	12.08	438.50
February	35.0	8.24	288.40	42.9	11.49	492.92	37.0	11.99	443.63
March	35.0	8.24	288.40	42.8	11.60	496.48	36.7	11.97	439.30
April	35.3	8.29	292.64	43.0	11.62	499.66	37.5	11.95	448.13
May	35.2	8.28	291.46	43.2	11.56	499.39	38.2	11.99	458.02
June	35.5	8.29	294.30	43.7	11.57	505.61	38.6	11.94	460.88
July	35.6	8.32	296.19	43.0	11.57	497.51	38.6	11.97	462.04
August	35.5	8.30	294.65	43.5	11.57	503.30	38.5	12.01	462.39
September	35.5	8.43	299.27	44.0	11.66	513.04	38.5	12.15	467.78
October ^a	35.2	8.41	296.03	43.2	11.50	496.80	38.0	12.14	461.32
November ^a	35.1	8.44	296.24	43.6	11.54	503.14	37.4	12.03	449.92

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

C-1. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry, 1963 to date—Continued

Year and month	Manufacturing				Transportation and public utilities			Wholesale trade		
	Weekly hours	Hourly earnings	Hourly earnings, excluding overtime	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages										
1963	40.5	\$2.45	\$2.37	\$99.23	(²)	(²)	(²)	40.6	\$2.45	\$99.47
1964	40.7	2.53	2.43	102.97	41.1	\$2.89	\$118.78	40.7	2.52	102.56
1965	41.2	2.61	2.50	107.53	41.3	3.03	125.14	40.8	2.61	106.49
1966	41.4	2.71	2.59	112.19	41.2	3.11	128.13	40.7	2.73	111.11
1967	40.6	2.82	2.71	114.49	40.5	3.23	130.82	40.3	2.88	116.06
1968	40.7	3.01	2.88	122.51	40.6	3.42	138.85	40.1	3.05	122.31
1969	40.6	3.19	3.05	129.51	40.7	3.63	147.74	40.2	3.23	129.85
1970	39.8	3.35	3.23	133.33	40.5	3.85	155.93	39.9	3.44	137.26
1971	39.9	3.57	3.45	142.44	40.1	4.21	168.82	39.5	3.65	144.18
1972	40.5	3.82	3.66	154.71	40.4	4.65	187.86	39.4	3.85	151.69
1973	40.7	4.09	3.91	166.46	40.5	5.02	203.31	39.3	4.08	160.34
1974	40.0	4.42	4.25	176.80	40.2	5.41	217.48	38.8	4.39	170.33
1975	39.5	4.83	4.67	190.79	39.7	5.88	233.44	38.7	4.73	183.05
1976	40.1	5.22	5.02	209.32	39.8	6.45	256.71	38.7	5.03	194.66
1977	40.3	5.68	5.44	228.90	39.9	6.99	278.90	38.8	5.39	209.13
1978	40.4	6.17	5.91	249.27	40.0	7.57	302.80	38.8	5.88	228.14
1979	40.2	6.70	6.43	269.34	39.9	8.16	325.58	38.8	6.39	247.93
1980	39.7	7.27	7.02	288.62	39.6	8.87	351.25	38.5	6.96	267.96
1981	39.8	7.99	7.72	318.00	39.4	9.70	382.18	38.5	7.56	291.06
1982	38.9	8.49	8.25	330.26	39.0	10.32	402.48	38.3	8.09	309.85
1983	40.1	8.83	8.51	354.08	39.0	10.80	421.20	38.5	8.54	328.79
Monthly data, not seasonally adjusted										
1983:										
November	40.8	\$8.97	\$8.61	\$365.98	39.3	\$11.01	\$432.69	38.7	\$8.68	\$335.92
December	41.2	9.04	8.67	372.45	39.7	11.00	436.70	38.9	8.74	339.99
1984:										
January	40.6	9.08	8.72	368.65	39.2	11.08	434.34	38.4	8.82	338.69
February	40.7	9.06	8.70	368.74	39.0	11.01	429.39	38.2	8.79	335.78
March	40.7	9.09	8.73	369.96	39.0	11.02	429.78	38.3	8.79	336.66
April	40.9	9.11	8.75	372.60	39.3	11.07	435.05	38.5	8.89	342.27
May	40.6	9.11	8.76	369.87	39.2	11.03	432.38	38.6	8.86	342.00
June	40.8	9.14	8.77	372.91	39.8	11.07	440.59	38.7	8.90	344.43
July	40.3	9.18	8.82	369.95	40.0	11.18	447.20	38.8	8.97	348.04
August	40.4	9.14	8.77	369.26	39.7	11.17	443.45	38.8	8.95	347.26
September	40.7	9.23	8.84	375.66	39.9	11.27	449.67	38.8	9.05	351.14
October ^p	40.5	9.22	8.85	373.41	39.3	11.24	441.73	38.7	8.99	347.91
November ^p	40.7	9.30	8.92	378.51	39.4	11.31	445.61	38.7	9.06	350.62

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

C-1. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry, 1963 to date—Continued

Year and month	Retail trade			Finance, insurance, and real estate			Services		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1963	37.3	\$1.68	\$62.66	37.5	\$2.25	\$84.38	(²)	(²)	(²)
1964	37.0	1.75	64.75	37.3	2.30	85.79	36.1	\$1.94	\$70.03
1965	36.6	1.82	66.61	37.2	2.39	88.91	35.9	2.05	73.60
1966	35.9	1.91	68.57	37.3	2.47	92.13	35.5	2.17	77.04
1967	35.3	2.01	70.95	37.1	2.58	95.72	35.1	2.29	80.38
1968	34.7	2.16	74.95	37.0	2.75	101.75	34.7	2.42	83.97
1969	34.2	2.30	78.66	37.1	2.93	108.70	34.7	2.61	90.57
1970	33.8	2.44	82.47	36.7	3.07	112.67	34.4	2.81	96.66
1971	33.7	2.60	87.62	36.6	3.22	117.85	33.9	3.04	103.06
1972	33.4	2.75	91.85	36.6	3.36	122.98	33.9	3.27	110.85
1973	33.1	2.91	96.32	36.6	3.53	129.20	33.8	3.47	117.29
1974	32.7	3.14	102.68	36.5	3.77	137.61	33.6	3.75	126.00
1975	32.4	3.36	108.86	36.5	4.06	148.19	33.5	4.02	134.67
1976	32.1	3.57	114.60	36.4	4.27	155.43	33.3	4.31	143.52
1977	31.6	3.85	121.66	36.4	4.54	165.26	33.0	4.65	153.45
1978	31.0	4.20	130.20	36.4	4.89	178.00	32.8	4.99	163.67
1979	30.6	4.53	138.62	36.2	5.27	190.77	32.7	5.36	175.27
1980	30.2	4.88	147.38	36.2	5.79	209.60	32.6	5.85	190.71
1981	30.1	5.25	158.03	36.3	6.31	229.05	32.6	6.41	208.97
1982	29.9	5.48	163.85	36.2	6.78	245.44	32.6	6.92	225.59
1983	29.8	5.74	171.05	36.2	7.29	263.90	32.7	7.30	238.71
Monthly data, not seasonally adjusted									
1983:									
November	29.8	\$5.82	\$173.44	36.1	\$7.39	\$266.78	32.6	\$7.44	\$242.54
December	30.8	5.78	178.02	36.2	7.43	268.97	32.6	7.47	243.52
1984:									
January	29.4	5.89	173.17	36.5	7.55	275.58	32.6	7.57	246.78
February	29.4	5.89	173.17	36.4	7.54	274.46	32.6	7.55	246.13
March	29.6	5.89	174.34	36.3	7.54	273.70	32.6	7.54	245.80
April	29.8	5.90	175.82	36.5	7.62	278.13	32.7	7.60	248.52
May	30.0	5.88	176.40	36.3	7.55	274.07	32.6	7.55	246.13
June	30.4	5.88	178.75	36.3	7.58	275.15	32.9	7.53	247.74
July	30.7	5.87	180.21	36.7	7.60	278.92	33.1	7.56	250.24
August	30.6	5.84	178.70	36.4	7.57	275.55	33.0	7.53	248.49
September	30.1	5.89	177.29	36.6	7.76	284.02	32.8	7.69	252.23
October ^p	29.7	5.89	174.93	36.4	7.69	279.92	32.6	7.70	251.02
November ^p	29.7	5.92	175.82	36.4	7.76	282.46	32.6	7.74	252.32

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

² Not available.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1983 forward are subject to revision.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P
Total private		35.3	35.1	35.5	35.2	35.1	-	-	-	-	-
Mining		43.2	42.9	44.0	43.2	43.6	-	-	-	-	-
Metal mining	10	39.2	40.1	41.2	40.7	-	-	-	-	-	-
Iron ores	101	38.4	40.7	39.0	38.2	-	-	-	-	-	-
Copper ores	102	39.0	40.4	43.2	42.4	-	-	-	-	-	-
Coal mining	11,12	40.6	40.3	41.4	38.4	-	-	-	-	-	-
Bituminous coal and lignite mining	12	40.6	40.4	41.5	38.5	-	-	-	-	-	-
Oil and gas extraction	13	44.3	44.0	44.8	44.8	-	-	-	-	-	-
Crude petroleum, natural gas, and natural gas liquids	131,2	42.3	42.1	42.8	42.4	-	-	-	-	-	-
Oil and gas field services	138	45.1	44.8	45.5	45.7	-	-	-	-	-	-
Nonmetallic minerals, except fuels	14	44.5	43.9	46.2	45.4	-	-	-	-	-	-
Crushed and broken stone	142	44.8	44.1	47.6	46.7	-	-	-	-	-	-
Construction		37.3	36.3	38.5	38.0	37.4	-	-	-	-	-
General building contractors	15	36.7	35.8	37.7	37.5	-	-	-	-	-	-
Residential building construction	152	36.0	35.2	37.0	36.8	-	-	-	-	-	-
Operative builders	153	39.5	37.9	39.1	38.8	-	-	-	-	-	-
Nonresidential building construction	154	37.2	36.2	38.1	38.0	-	-	-	-	-	-
Heavy construction contractors	16	40.2	39.3	43.1	41.5	-	-	-	-	-	-
Highway and street construction	161	41.1	39.2	45.0	42.7	-	-	-	-	-	-
Heavy construction, except highway	162	39.8	39.3	42.1	40.8	-	-	-	-	-	-
Special trade contractors	17	36.4	35.4	37.3	37.0	-	-	-	-	-	-
Plumbing, heating, and air conditioning	171	38.0	37.2	38.1	38.1	-	-	-	-	-	-
Painting, paper hanging, and decorating	172	35.0	33.8	35.8	35.0	-	-	-	-	-	-
Electrical work	173	38.3	37.7	39.0	39.0	-	-	-	-	-	-
Masonry, stonework, and plastering	174	34.4	33.4	35.7	35.3	-	-	-	-	-	-
Carpentering and flooring	175	34.8	33.9	35.4	35.5	-	-	-	-	-	-
Roofing and sheet metal work	176	32.7	31.6	35.1	33.8	-	-	-	-	-	-
Manufacturing		40.7	40.8	40.7	40.5	40.7	3.4	3.4	3.6	3.4	3.5
Durable goods		41.3	41.5	41.5	41.2	41.4	3.5	3.6	3.7	3.6	3.7
Lumber and wood products	24	40.6	39.7	40.4	39.7	39.2	3.4	3.0	3.4	3.1	-
Logging camps and logging contractors	241	40.5	36.8	41.1	39.1	-	3.7	2.5	4.2	3.6	-
Sawmills and planing mills	242	41.3	40.8	41.0	40.0	-	3.9	3.7	3.7	3.5	-
Sawmills and planing mills, general	2421	41.5	40.9	41.2	40.1	-	4.0	3.8	4.0	3.7	-
Hardwood dimension and flooring	2426	40.5	40.7	40.0	40.1	-	3.6	3.6	2.6	2.5	-
Millwork, plywood, and structural members	243	40.5	40.1	40.5	40.1	-	3.4	3.0	3.4	3.0	-
Millwork	2431	40.6	40.0	40.6	39.8	-	2.6	2.3	2.7	2.4	-
Wood kitchen cabinets	2434	39.8	39.8	40.6	39.7	-	3.2	3.0	3.8	3.0	-
Hardwood veneer and plywood	2435	40.9	41.2	39.2	39.7	-	3.8	3.6	2.8	2.9	-
Softwood veneer and plywood	2436	41.1	40.1	41.2	41.4	-	4.4	3.8	4.2	4.1	-
Wood containers	244	39.2	39.1	38.3	38.4	-	2.4	2.0	2.3	2.3	-
Wood buildings and mobile homes	245	39.3	37.7	38.7	38.5	-	2.3	1.8	2.4	2.3	-
Mobile homes	2451	39.2	37.1	38.6	38.4	-	2.3	1.6	2.3	2.2	-
Miscellaneous wood products	249	40.6	40.6	40.5	40.3	-	2.9	3.0	3.0	3.0	-
Furniture and fixtures	25	40.4	40.1	40.1	40.2	40.1	2.8	2.6	2.8	2.9	-
Household furniture	251	40.0	39.3	39.5	39.7	-	2.5	2.3	2.3	2.6	-
Wood household furniture	2511	40.1	39.6	39.6	40.2	-	2.6	2.4	2.4	2.8	-
Upholstered household furniture	2512	39.3	38.6	39.0	39.5	-	2.0	1.8	1.8	2.3	-
Metal household furniture	2514	41.6	41.6	40.2	40.0	-	3.1	3.1	2.7	2.4	-
Mattresses and bedsprings	2515	39.3	37.3	39.5	38.6	-	2.0	1.6	2.3	1.9	-
Office furniture	252	42.0	42.6	42.1	41.8	-	3.4	3.4	3.9	3.9	-
Public building and related furniture	253	41.1	41.5	39.7	40.1	-	3.4	3.7	2.5	2.7	-
Partitions and fixtures	254	40.9	40.3	40.7	40.7	-	3.7	3.1	3.8	3.4	-
Miscellaneous furniture and fixtures	259	41.0	41.1	41.0	40.5	-	2.3	2.1	2.7	2.5	-
Stone, clay, and glass products	32	42.1	42.0	42.4	42.1	42.2	4.7	4.5	5.2	4.9	-
Flat glass	321	44.2	45.6	44.3	45.2	-	5.2	6.4	5.4	6.0	-
Glass and glassware, pressed or blown	322	41.2	41.1	40.9	40.8	-	4.3	4.3	4.3	4.2	-

See footnotes at end of table.

ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p
Total private		\$8.16	\$8.16	\$8.43	\$8.41	\$8.44	\$288.05	\$286.42	\$299.27	\$296.03	\$296.24
Mining		11.33	11.40	11.66	11.50	11.54	489.46	489.06	513.04	496.80	503.14
Metal mining	10	12.67	12.64	13.20	13.28	-	496.66	506.86	543.84	540.50	-
Iron ores	101	11.97	12.04	13.03	12.97	-	459.65	490.03	508.17	495.45	-
Copper ores	102	13.22	13.19	13.81	13.79	-	515.58	532.88	596.59	584.70	-
Coal mining	11,12	14.02	14.20	15.10	14.80	-	569.21	572.26	625.14	568.32	-
Bituminous coal and lignite mining	12	14.06	14.25	15.16	14.84	-	570.84	575.70	629.14	571.34	-
Oil and gas extraction	13	10.61	10.66	10.64	10.64	-	470.02	469.04	476.67	476.67	-
Crude petroleum, natural gas, and natural gas liquids	131,2	12.47	12.46	12.84	12.75	-	527.48	524.57	549.55	540.60	-
Oil and gas field services	138	9.87	9.96	9.88	9.91	-	445.14	446.21	449.54	452.89	-
Nonmetallic minerals, except fuels	14	9.50	9.50	10.03	9.94	-	422.75	417.05	463.39	451.28	-
Crushed and broken stone	142	8.88	8.86	9.53	9.40	-	397.82	390.73	453.63	438.98	-
Construction		12.06	11.91	12.15	12.14	12.03	449.84	432.33	467.78	461.32	449.92
General building contractors	15	10.76	10.68	10.98	10.98	-	394.89	382.34	413.95	411.75	-
Residential building construction	152	9.94	9.89	10.23	10.20	-	357.84	348.13	378.51	375.36	-
Operative builders	153	8.91	9.01	9.06	9.17	-	351.95	341.48	354.25	355.80	-
Nonresidential building construction	154	11.69	11.57	11.83	11.81	-	434.87	418.83	450.72	448.78	-
Heavy construction contractors	16	12.08	11.77	11.94	11.88	-	485.62	462.56	514.61	493.02	-
Highway and street construction	161	10.97	10.44	11.16	11.15	-	450.87	409.25	502.20	476.11	-
Heavy construction, except highway	162	12.66	12.41	12.40	12.30	-	503.87	487.71	522.04	501.84	-
Special trade contractors	17	12.65	12.55	12.75	12.76	-	460.46	444.27	475.58	472.12	-
Plumbing, heating, and air conditioning	171	12.65	12.47	12.81	12.86	-	480.70	463.88	488.06	489.97	-
Painting, paper hanging, and decorating	172	11.65	11.62	11.70	11.64	-	407.75	392.76	418.86	407.40	-
Electrical work	173	14.11	13.99	14.43	14.30	-	540.41	527.42	562.77	557.70	-
Masonry, stonework, and plastering	174	12.37	12.20	12.72	12.71	-	425.53	407.48	454.10	448.66	-
Carpentering and flooring	175	11.68	11.49	11.93	11.87	-	406.46	389.51	422.32	421.39	-
Roofing and sheet metal work	176	11.19	10.95	11.20	11.21	-	365.91	346.02	393.12	378.90	-
Manufacturing		8.90	8.97	9.23	9.22	9.30	362.23	365.98	375.66	373.41	378.51
Durable goods		9.47	9.53	9.77	9.75	9.83	391.11	395.50	405.46	401.70	406.96
Lumber and wood products	24	7.86	7.79	8.15	8.07	8.03	319.12	309.26	329.26	320.38	314.78
Logging camps and logging contractors	241	10.44	10.28	11.19	11.12	-	422.82	378.30	459.91	434.79	-
Sawmills and planing mills	242	8.26	8.19	8.46	8.38	-	341.14	334.15	346.86	335.20	-
Sawmills and planing mills, general	2421	8.72	8.65	8.89	8.81	-	361.88	353.79	366.27	353.28	-
Hardwood dimension and flooring	2426	5.60	5.60	5.86	5.89	-	226.80	227.92	234.40	236.19	-
Millwork, plywood, and structural members	243	7.65	7.64	7.89	7.85	-	309.83	306.36	319.55	314.79	-
Millwork	2431	7.81	7.86	8.06	8.00	-	317.09	314.40	327.24	318.40	-
Wood kitchen cabinets	2434	6.92	6.94	7.17	7.16	-	275.42	276.21	291.10	284.25	-
Hardwood veneer and plywood	2435	6.19	6.14	6.33	6.31	-	253.17	252.97	248.14	250.51	-
Softwood veneer and plywood	2436	9.55	9.49	9.88	9.81	-	392.51	380.55	407.06	406.13	-
Wood containers	244	5.49	5.46	5.76	5.76	-	215.21	213.49	220.61	221.18	-
Wood buildings and mobile homes	245	6.80	6.80	7.13	7.11	-	267.24	256.36	275.93	273.74	-
Mobile homes	2451	6.85	6.85	7.19	7.19	-	268.52	254.14	277.53	276.10	-
Miscellaneous wood products	249	6.59	6.64	6.85	6.80	-	267.55	269.58	277.43	274.04	-
Furniture and fixtures	25	6.71	6.73	6.95	6.95	6.96	271.08	269.87	278.70	279.39	279.10
Household furniture	251	6.17	6.18	6.39	6.39	-	246.80	242.87	252.41	253.68	-
Wood household furniture	2511	5.64	5.65	5.84	5.84	-	226.16	223.74	231.26	234.77	-
Upholstered household furniture	2512	6.62	6.67	6.91	6.91	-	260.17	257.46	269.49	272.95	-
Metal household furniture	2514	6.39	6.34	6.70	6.67	-	265.82	263.74	269.34	266.80	-
Mattresses and bedsprings	2515	6.98	6.96	7.05	7.03	-	274.31	259.61	278.48	271.36	-
Office furniture	252	7.26	7.29	7.69	7.69	-	304.92	310.55	323.75	321.44	-
Public building and related furniture	253	7.42	7.36	7.43	7.58	-	304.96	305.44	294.97	303.96	-
Partitions and fixtures	254	8.24	8.28	8.28	8.25	-	337.02	333.68	337.00	335.78	-
Miscellaneous furniture and fixtures	259	7.35	7.36	7.39	7.39	-	301.35	302.50	302.99	299.30	-
Stone, clay, and glass products	32	9.38	9.41	9.64	9.63	9.62	394.90	395.22	408.74	405.42	405.96
Flat glass	321	12.72	12.93	12.91	13.06	-	562.22	589.61	571.91	590.31	-
Glass and glassware, pressed or blown	322	10.10	10.14	10.55	10.53	-	416.12	416.75	431.50	429.62	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p
Durable goods—Continued											
Stone, clay, and glass products—Continued											
Glass containers	3221	41.1	40.9	40.9	40.4	-	4.9	4.8	5.0	4.9	-
Pressed and blown glass, nec	3229	41.4	41.4	40.9	41.2	-	3.5	3.7	3.4	3.4	-
Products of purchased glass	323	41.7	41.9	41.3	41.4	-	4.3	4.6	3.8	4.0	-
Cement, hydraulic	324	42.1	43.2	39.9	40.5	-	3.0	2.9	2.8	2.5	-
Structural clay products	325	42.3	42.0	42.4	42.1	-	4.0	3.9	4.1	3.9	-
Pottery and related products	326	39.1	39.7	39.5	39.8	-	2.2	2.7	2.8	2.8	-
Concrete, gypsum, and plaster products	327	43.3	42.1	44.5	43.7	-	6.4	5.6	7.4	6.8	-
Concrete block and brick	3271	45.0	43.1	45.4	44.4	-	7.2	5.9	7.1	6.6	-
Concrete products, nec	3272	43.0	41.8	44.1	43.4	-	5.3	4.7	6.8	6.3	-
Ready-mixed concrete	3273	42.4	41.0	44.3	43.4	-	6.6	5.5	7.8	7.0	-
Misc. nonmetallic mineral products	329	42.1	42.9	42.0	41.7	-	3.8	4.0	4.5	4.2	-
Abrasive products	3291	41.2	42.4	40.7	40.4	-	2.7	3.1	2.9	2.7	-
Asbestos products	3292	44.3	44.4	44.4	43.1	-	4.9	4.3	4.9	4.7	-
Primary metal industries											
Blast furnaces and basic steel products	331	40.1	40.4	40.3	39.5	40.2	2.8	2.8	2.8	2.5	-
Blast furnaces and steel mills	3312	39.7	39.9	39.8	39.0	-	2.7	2.7	2.6	2.3	-
Steel pipe and tubes	3317	41.0	41.8	42.2	40.2	-	3.1	3.1	3.8	2.8	-
Iron and steel foundries	332	41.1	41.7	41.3	40.9	-	3.5	3.7	3.8	3.7	-
Gray iron foundries	3321	41.8	42.2	41.3	41.3	-	4.1	4.2	4.0	4.3	-
Malleable iron foundries	3322	40.7	41.5	40.6	40.3	-	3.2	3.8	2.7	2.7	-
Steel foundries, nec	3325	39.0	39.6	40.6	38.8	-	1.9	2.2	3.1	2.2	-
Primary nonferrous metals	333	41.7	42.2	41.8	42.1	-	3.4	3.4	3.4	3.3	-
Primary aluminum	3334	41.4	41.5	42.3	43.2	-	3.8	3.6	3.6	3.4	-
Nonferrous rolling and drawing	335	42.9	43.4	43.3	42.6	-	5.1	5.2	5.7	5.4	-
Copper rolling and drawing	3351	43.9	44.3	43.8	42.9	-	5.2	5.0	5.4	5.0	-
Aluminum sheet, plate, and foil	3353	42.7	44.0	42.0	41.6	-	5.9	7.0	5.7	5.2	-
Nonferrous wire drawing and insulating	3357	42.7	42.9	43.4	42.8	-	5.0	5.0	6.2	6.0	-
Nonferrous foundries	336	41.8	41.8	42.1	41.9	-	3.8	3.8	3.8	3.8	-
Aluminum foundries	3361	42.3	41.9	42.1	42.2	-	4.0	3.9	4.0	4.0	-
Fabricated metal products											
Metal cans and shipping containers	341	42.2	42.6	43.7	42.7	-	4.9	4.9	6.1	5.2	-
Metal cans	3411	42.3	42.8	43.5	42.7	-	5.1	5.1	6.0	5.3	-
Cutlery, hand tools, and hardware	342	41.3	41.5	40.8	40.4	-	3.2	3.1	3.5	3.1	-
Hand and edge tools, and hand saws and blades	3423.5	40.5	40.3	40.1	39.5	-	2.3	2.2	2.5	2.4	-
Hardware, nec	3429	41.7	41.7	41.1	40.6	-	3.8	3.7	4.0	3.5	-
Plumbing and heating, except electric	343	40.3	40.5	39.3	39.0	-	2.4	2.7	1.9	1.9	-
Plumbing fittings and brass goods	3432	40.0	40.8	38.8	38.3	-	2.5	2.8	1.2	1.4	-
Heating equipment, except electric	3433	40.0	39.7	39.8	40.0	-	1.7	2.2	2.4	2.5	-
Fabricated structural metal products	344	40.6	40.9	41.2	41.1	-	3.0	3.0	3.6	3.3	-
Fabricated structural metal	3441	41.1	40.8	41.5	41.7	-	3.4	2.8	4.3	4.0	-
Metal doors, sash, and trim	3442	40.3	40.3	40.5	40.8	-	2.8	2.9	2.9	2.7	-
Fabricated plate work (boiler shops)	3443	40.6	41.7	42.1	41.4	-	2.8	3.2	4.1	3.3	-
Sheet metal work	3444	40.1	40.3	40.3	40.2	-	3.2	3.1	3.3	3.2	-
Architectural metal work	3446	41.9	41.8	40.4	39.8	-	2.8	2.3	2.7	2.2	-
Screw machine products, bolts, etc	345	42.3	42.7	42.8	42.7	-	4.0	4.3	4.9	4.8	-
Screw machine products	3451	40.9	41.1	42.2	41.9	-	3.4	3.5	4.3	4.3	-
Bolts, nuts, rivets, and washers	3452	43.6	44.2	43.5	43.6	-	4.6	5.1	5.5	5.4	-
Metal forgings and stampings	346	42.7	43.1	42.2	42.4	-	4.7	4.9	4.6	4.6	-
Iron and steel forgings	3462	41.3	41.3	42.0	42.5	-	3.6	3.7	4.2	4.3	-
Automotive stampings	3465	45.3	45.6	44.1	43.9	-	6.6	6.8	5.7	5.6	-
Metal stampings, nec	3469	40.7	41.1	40.4	41.0	-	3.3	3.3	3.5	3.7	-
Metal services, nec	347	40.5	41.1	40.8	40.9	-	3.5	3.7	3.7	3.8	-
Plating and polishing	3471	40.3	40.8	40.6	40.3	-	3.2	3.3	3.4	3.4	-
Metal coating and allied services	3479	41.1	41.9	41.4	42.3	-	4.1	4.5	4.4	4.8	-
Ordnance and accessories, nec	348	41.1	41.4	41.2	41.1	-	2.6	2.8	3.1	3.1	-
Ammunition, except for small arms, nec	3483	40.3	41.1	40.0	39.4	-	1.6	1.9	2.0	1.9	-
Misc. fabricated metal products	349	40.8	41.0	41.0	40.6	-	2.8	2.7	2.9	2.7	-
Valves and pipe fittings	3494	40.6	40.8	41.3	40.7	-	2.7	2.7	3.3	2.8	-
Misc. fabricated wire products	3496	40.6	40.9	40.0	40.2	-	2.8	2.6	2.6	2.5	-
Machinery, except electrical											
Engines and turbines	35	41.0	41.6	42.0	41.6	41.8	3.1	3.4	3.9	3.6	-
Engines and turbines	351	39.6	41.0	41.7	41.1	-	3.3	3.9	3.9	3.7	-
Turbines and turbine generator sets	3511	39.0	40.9	42.0	41.7	-	3.1	3.7	4.9	5.1	-
Internal combustion engines, nec	3519	39.8	41.0	41.6	40.9	-	3.4	4.0	3.6	3.2	-
Farm and garden machinery	352	40.1	40.3	40.0	39.3	-	2.3	2.1	2.1	1.8	-
Farm machinery and equipment	3523	40.4	40.4	40.2	39.5	-	2.6	2.3	2.3	1.9	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P
Durable goods—Continued											
Stone, clay, and glass products—Continued											
Glass containers	3221	\$10.56	\$10.58	\$11.08	\$11.05	-	\$434.02	\$432.72	\$453.17	\$446.42	-
Pressed and blown glass, nec	3229	9.53	9.60	9.93	9.95	-	394.54	397.44	406.14	409.94	-
Products of purchased glass	323	8.33	8.54	8.19	8.15	-	347.36	357.83	338.25	337.41	-
Cement, hydraulic	324	13.28	13.59	13.41	13.43	-	559.09	587.09	535.06	543.92	-
Structural clay products	325	7.40	7.45	7.75	7.72	-	313.02	312.90	328.60	325.01	-
Pottery and related products	326	7.91	7.97	8.08	8.11	-	309.28	316.41	319.16	322.78	-
Concrete, gypsum, and plaster products	327	9.27	9.14	9.58	9.55	-	401.39	384.79	426.31	417.34	-
Concrete block and brick	3271	7.78	7.77	8.13	8.12	-	350.10	334.89	369.10	360.53	-
Concrete products, nec	3272	8.13	8.18	8.49	8.49	-	349.59	341.92	374.41	368.47	-
Ready-mixed concrete	3273	10.34	10.01	10.55	10.51	-	438.42	410.41	467.37	456.13	-
Misc. nonmetallic mineral products	329	9.23	9.26	9.59	9.61	-	388.58	397.25	402.78	400.74	-
Abrasive products	3291	8.69	8.78	9.07	9.10	-	358.03	372.27	369.15	367.64	-
Asbestos products	3292	9.18	9.27	9.80	9.76	-	406.67	411.59	435.12	420.66	-
Primary metal industries	33	11.28	11.32	11.39	11.32	\$11.50	464.74	470.91	472.69	464.12	\$476.10
Blast furnaces and basic steel products	331	12.68	12.71	13.01	12.87	13.00	508.47	513.48	524.30	508.37	522.60
Blast furnaces and steel mills	3312	13.17	13.20	13.58	13.43	-	522.85	526.68	540.48	523.77	-
Steel pipe and tubes	3317	10.44	10.40	10.66	10.49	-	428.04	434.72	449.85	421.70	-
Iron and steel foundries	332	9.95	10.01	10.17	10.19	-	408.95	417.42	420.02	416.77	-
Gray iron foundries	3321	10.22	10.26	10.49	10.51	-	427.20	432.97	433.24	434.06	-
Malleable iron foundries	3322	10.76	10.97	11.00	10.98	-	437.93	455.26	446.60	442.49	-
Steel foundries, nec	3325	9.32	9.35	9.54	9.52	-	363.48	370.26	387.32	369.38	-
Primary nonferrous metals	333	13.55	13.56	13.39	13.53	-	565.04	572.23	559.70	569.61	-
Primary aluminum	3334	14.14	14.13	13.87	13.94	-	585.40	586.40	586.70	602.21	-
Nonferrous rolling and drawing	335	10.82	10.86	10.92	10.88	-	464.18	471.32	472.84	463.49	-
Copper rolling and drawing	3351	9.70	9.77	9.98	9.91	-	425.83	432.81	437.12	425.14	-
Aluminum sheet, plate, and foil	3353	14.19	14.19	13.72	13.61	-	605.91	624.36	576.24	566.18	-
Nonferrous wire drawing and insulating	3357	10.16	10.20	10.56	10.53	-	433.83	437.58	458.30	450.68	-
Nonferrous foundries	336	8.89	8.93	9.06	9.07	-	371.60	373.27	381.43	380.03	-
Aluminum foundries	3361	9.11	9.18	9.24	9.27	-	385.35	384.64	389.00	391.19	-
Fabricated metal products	34	9.18	9.24	9.41	9.37	9.42	379.13	384.38	389.57	386.98	389.05
Metal cans and shipping containers	341	12.18	12.29	12.73	12.52	-	514.00	523.55	556.30	534.60	-
Metal cans	3411	12.79	12.90	13.48	13.24	-	541.02	552.12	586.38	565.35	-
Cutlery, hand tools, and hardware	342	8.97	9.09	9.32	9.22	-	370.46	377.24	380.26	372.49	-
Hand and edge tools, and hand saws and blades ..	3423.5	8.29	8.38	8.58	8.53	-	335.75	337.71	344.06	336.94	-
Hardware, nec	3429	9.31	9.45	9.67	9.53	-	388.23	394.07	397.44	386.92	-
Plumbing and heating, except electric	343	8.20	8.26	8.47	8.49	-	330.46	334.53	332.87	331.11	-
Plumbing fittings and brass goods	3432	8.00	8.04	8.05	8.16	-	320.00	328.03	312.34	312.53	-
Heating equipment, except electric	3433	8.04	8.16	8.41	8.40	-	321.60	323.95	334.72	336.00	-
Fabricated structural metal products	344	8.76	8.78	8.92	8.88	-	355.66	359.10	367.50	364.97	-
Fabricated structural metal	3441	9.37	9.22	9.50	9.44	-	385.11	376.18	394.25	393.65	-
Metal doors, sash, and trim	3442	6.92	7.01	7.21	7.19	-	278.88	282.50	292.01	293.35	-
Fabricated plate work (boiler shops)	3443	9.95	10.05	9.92	9.88	-	403.97	419.09	417.63	409.03	-
Sheet metal work	3444	8.91	8.96	9.26	9.19	-	357.29	361.09	373.18	369.44	-
Architectural metal work	3446	9.02	8.89	8.86	8.84	-	377.94	371.60	357.94	351.83	-
Screw machine products, bolts, etc	345	8.60	8.68	8.91	8.88	-	363.78	370.64	381.35	379.18	-
Screw machine products	3451	7.90	7.91	8.16	8.17	-	323.11	325.10	344.35	342.32	-
Bolts, nuts, rivets, and washers	3452	9.25	9.38	9.67	9.61	-	403.30	414.60	420.65	419.00	-
Metal forgings and stampings	346	10.60	10.67	10.84	10.85	-	452.62	459.88	457.45	460.04	-
Iron and steel forgings	3462	11.54	11.68	11.92	11.99	-	476.60	482.38	500.64	509.58	-
Automotive stampings	3465	12.46	12.50	12.71	12.75	-	564.44	570.00	560.51	559.73	-
Metal stampings, nec	3469	8.22	8.27	8.45	8.48	-	334.55	339.90	341.38	347.68	-
Metal services, nec	347	7.37	7.43	7.54	7.55	-	298.49	305.37	307.63	308.80	-
Plating and polishing	3471	7.25	7.28	7.41	7.46	-	292.18	297.02	300.85	300.64	-
Metal coating and allied services	3479	7.65	7.77	7.85	7.74	-	314.42	325.56	324.99	327.40	-
Ordnance and accessories, nec	348	9.83	9.80	9.96	10.06	-	404.01	405.72	410.35	413.47	-
Ammunition, except for small arms, nec	3483	9.27	9.27	9.53	9.62	-	373.58	381.00	381.20	379.03	-
Misc. fabricated metal products	349	8.58	8.60	8.77	8.73	-	350.06	352.60	359.57	354.44	-
Valves and pipe fittings	3494	9.17	9.22	9.43	9.37	-	372.30	376.18	389.46	381.36	-
Misc. fabricated wire products	3496	7.65	7.66	7.92	7.88	-	310.59	313.29	316.80	316.78	-
Machinery, except electrical	35	9.66	9.74	10.01	10.02	10.09	396.06	405.18	420.42	416.83	421.76
Engines and turbines	351	12.15	12.34	12.93	12.95	-	481.14	505.94	539.18	532.25	-
Turbines and turbine generator sets	3511	11.81	11.77	12.58	12.61	-	460.59	481.39	528.36	525.84	-
Internal combustion engines, nec	3519	12.29	12.54	13.05	13.07	-	489.14	514.14	542.88	534.56	-
Farm and garden machinery	352	9.69	9.63	9.82	9.85	-	388.57	388.09	392.80	387.11	-
Farm machinery and equipment	3523	10.15	10.08	10.28	10.32	-	410.06	407.23	413.26	407.64	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery	353	40.1	40.5	42.1	41.7	-	2.3	2.6	3.3	3.0	-
Construction machinery	3531	40.1	40.4	41.8	41.6	-	1.9	1.8	2.8	2.5	-
Mining machinery	3532	39.0	39.5	41.6	40.2	-	1.5	1.6	3.2	2.3	-
Oil field machinery	3533	40.6	41.0	43.0	42.8	-	2.8	3.4	3.6	3.6	-
Conveyors and conveying equipment	3535	39.2	40.0	41.6	40.8	-	2.4	3.0	4.1	3.7	-
Industrial trucks and tractors	3537	40.2	39.6	41.8	41.1	-	3.1	2.8	3.4	2.9	-
Metalworking machinery	354	41.4	42.2	43.1	42.8	-	3.8	4.2	5.1	5.0	-
Machine tools, metal cutting types	3541	40.1	41.1	42.6	42.6	-	2.1	2.5	3.9	4.3	-
Machine tools, metal forming types	3542	39.7	40.2	42.3	42.6	-	3.8	4.1	4.2	4.4	-
Special dies, tools, jigs, and fixtures	3544	42.3	43.0	44.0	43.7	-	4.8	5.1	6.0	5.9	-
Machine tool accessories	3545	41.0	42.0	42.3	41.6	-	3.3	4.0	4.5	4.1	-
Power driven hand tools	3546	40.9	41.2	43.1	42.1	-	3.1	3.3	5.6	4.7	-
Special industry machinery	355	41.0	41.6	42.0	41.6	-	3.3	3.3	4.0	3.7	-
Food products machinery	3551	40.6	41.1	42.0	41.7	-	2.7	2.5	3.2	3.2	-
Textile machinery	3552	41.8	41.3	41.3	41.0	-	3.5	2.7	2.9	2.9	-
Printing trades machinery	3555	40.8	42.0	42.3	41.9	-	3.1	3.5	4.0	3.9	-
General industrial machinery	356	41.2	42.0	41.8	41.4	-	3.1	3.5	3.9	3.5	-
Pumps and pumping equipment	3561	40.6	42.0	40.8	41.1	-	2.7	3.2	3.3	3.0	-
Ball and roller bearings	3562	43.0	43.6	44.1	43.2	-	4.0	4.7	5.0	4.2	-
Air and gas compressors	3563	40.7	41.5	40.7	40.5	-	2.6	3.4	2.9	3.2	-
Blowers and fans	3564	40.3	41.1	40.8	40.1	-	2.6	2.9	3.3	3.2	-
Speed changers, drives, and gears	3566	40.6	41.0	41.1	41.3	-	2.9	3.6	4.3	4.0	-
Power transmission equipment, nec	3568	41.4	41.9	41.5	40.6	-	3.4	3.4	4.2	3.5	-
Office and computing machines	357	42.1	42.8	42.2	41.6	-	3.3	3.6	3.4	3.1	-
Electronic computing equipment	3573	42.2	43.1	42.2	41.4	-	3.4	3.8	3.4	3.1	-
Refrigeration and service machinery	358	41.1	41.1	41.5	41.5	-	3.0	3.2	4.0	3.5	-
Refrigeration and heating equipment	3585	41.1	41.1	41.9	41.6	-	3.1	3.4	4.2	3.7	-
Misc. machinery, except electrical	359	40.9	41.2	41.6	41.6	-	3.2	3.5	4.0	3.9	-
Carburetors, pistons, rings, and valves	3592	42.1	41.5	41.8	42.5	-	3.9	3.4	3.4	3.7	-
Machinery, except electrical, nec	3599	40.7	41.1	41.6	41.4	-	3.1	3.5	4.1	4.0	-
Electrical and electronic equipment	36	41.1	41.4	41.2	40.9	41.4	3.1	3.3	3.2	2.9	-
Electric distributing equipment	361	40.5	41.4	41.3	41.0	-	2.3	2.8	3.2	3.0	-
Transformers	3612	41.3	42.8	41.9	42.2	-	2.8	3.3	3.3	3.9	-
Switchgear and switchboard apparatus	3613	39.8	40.4	40.8	40.1	-	2.0	2.4	3.1	2.2	-
Electrical industrial apparatus	362	40.4	41.2	41.5	40.7	-	2.8	3.2	3.3	2.9	-
Motors and generators	3621	41.0	41.8	41.9	40.9	-	3.2	3.7	3.7	3.1	-
Industrial controls	3622	40.2	41.0	40.6	40.0	-	2.5	2.8	2.7	2.4	-
Household appliances	363	41.1	41.6	40.2	40.1	-	2.9	3.2	2.4	2.3	-
Household refrigerators and freezers	3632	41.2	43.3	42.3	39.6	-	1.9	3.8	2.2	2.0	-
Household laundry equipment	3633	40.3	41.2	39.5	39.4	-	1.2	2.3	1.2	1.3	-
Electric housewares and fans	3634	40.9	41.3	40.1	40.3	-	3.6	3.1	3.5	2.9	-
Electric lighting and wiring equipment	364	40.8	41.0	40.3	40.5	-	3.2	3.3	2.7	2.5	-
Electric lamps	3641	40.7	41.9	41.6	42.2	-	2.4	3.2	3.1	3.1	-
Current-carrying wiring devices	3643	40.7	41.0	40.3	40.4	-	3.6	3.7	2.9	2.5	-
Noncurrent-carrying wiring devices	3644	40.8	40.7	40.7	41.9	-	2.3	2.3	2.6	2.6	-
Residential lighting fixtures	3645	40.5	40.5	38.3	39.1	-	2.5	2.7	1.2	1.7	-
Radio and TV receiving equipment	365	40.6	41.3	41.5	39.6	-	2.9	3.3	3.6	2.6	-
Radio and TV receiving sets	3651	41.0	41.3	41.0	39.6	-	3.1	3.4	3.0	2.6	-
Communication equipment	366	41.1	41.2	41.6	41.6	-	2.7	2.9	3.2	3.0	-
Telephone and telegraph apparatus	3661	41.8	41.5	41.9	41.7	-	2.9	3.3	3.9	3.4	-
Radio and TV communication equipment	3662	40.7	41.1	41.5	41.5	-	2.6	2.6	2.8	2.8	-
Electronic components and accessories	367	41.1	41.4	41.1	40.8	-	3.3	3.5	3.6	3.2	-
Electronic tubes	3671-3	41.3	42.1	42.2	41.8	-	2.3	2.8	2.5	2.1	-
Semiconductors and related devices	3674	41.8	42.1	41.7	41.1	-	3.8	4.1	4.4	3.8	-
Electronic components, nec	3679	41.1	41.2	41.0	40.9	-	3.4	3.5	3.5	3.3	-
Misc. electrical equipment and supplies	369	42.6	42.4	41.5	41.6	-	4.3	4.2	3.4	3.2	-
Storage batteries	3691	44.9	44.4	42.2	43.2	-	4.7	4.8	4.0	4.0	-
Engine electrical equipment	3694	42.7	42.3	41.6	41.3	-	4.8	4.4	3.7	3.2	-

See footnotes at end of table.

ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery	353	\$10.40	\$10.45	\$10.62	\$10.62	-	\$417.04	\$423.23	\$447.10	\$442.85	-
Construction machinery	3531	11.16	11.17	11.54	11.48	-	447.52	451.27	482.37	477.57	-
Mining machinery	3532	11.00	10.99	11.30	11.29	-	429.00	434.11	470.08	453.86	-
Oil field machinery	3533	10.59	10.77	10.54	10.68	-	429.95	441.57	453.22	457.10	-
Conveyors and conveying equipment	3535	9.05	8.95	9.67	9.67	-	354.76	358.00	402.27	394.54	-
Industrial trucks and tractors	3537	9.10	9.09	9.15	9.11	-	365.82	359.96	382.47	374.42	-
Metalworking machinery	354	9.87	9.94	10.20	10.21	-	408.62	419.47	439.62	436.99	-
Machine tools, metal cutting types	3541	9.88	9.94	10.22	10.37	-	396.19	408.53	435.37	441.76	-
Machine tools, metal forming types	3542	10.71	10.64	10.66	10.56	-	425.19	427.73	450.92	449.86	-
Special dies, tools, jigs, and fixtures	3544	10.48	10.58	10.89	10.87	-	443.30	454.94	479.16	475.02	-
Machine tool accessories	3545	9.03	9.09	9.26	9.26	-	370.23	381.78	391.70	385.22	-
Power driven hand tools	3546	7.77	7.81	8.09	8.08	-	317.79	321.77	348.68	340.17	-
Special industry machinery	355	9.45	9.52	9.77	9.78	-	387.45	396.03	410.34	406.85	-
Food products machinery	3551	9.88	9.95	10.18	10.21	-	401.13	408.95	427.56	425.76	-
Textile machinery	3552	7.47	7.48	7.69	7.67	-	312.25	308.92	317.60	314.47	-
Printing trades machinery	3555	9.73	9.78	9.98	9.97	-	396.98	410.76	422.15	417.74	-
General industrial machinery	356	9.51	9.58	9.82	9.82	-	391.81	402.36	410.48	406.55	-
Pumps and pumping equipment	3561	9.99	10.05	10.43	10.35	-	405.59	422.10	425.54	425.39	-
Ball and roller bearings	3562	9.44	9.63	10.05	9.99	-	405.92	419.87	443.21	431.57	-
Air and gas compressors	3563	9.95	9.77	9.77	10.09	-	404.97	405.46	397.64	408.65	-
Blowers and fans	3564	8.68	8.74	8.95	8.98	-	349.80	359.21	365.16	360.10	-
Speed changers, drives, and gears	3566	10.07	10.15	10.50	10.49	-	408.84	416.15	431.55	433.24	-
Power transmission equipment, nec	3568	9.43	9.66	9.99	9.97	-	390.40	404.75	414.59	404.78	-
Office and computing machines	357	8.72	8.74	9.06	9.08	-	367.11	374.07	382.33	377.73	-
Electronic computing equipment	3573	8.71	8.71	8.97	8.98	-	367.56	375.40	378.53	371.77	-
Refrigeration and service machinery	358	9.32	9.47	9.83	9.76	-	383.05	389.22	407.95	405.04	-
Refrigeration and heating equipment	3585	9.64	9.81	10.13	10.07	-	396.20	403.19	424.45	418.91	-
Misc. machinery, except electrical	359	9.57	9.60	9.73	9.71	-	391.41	395.52	404.77	403.94	-
Carburetors, pistons, rings, and valves	3592	11.14	11.21	11.70	11.47	-	468.99	465.22	489.06	487.48	-
Machinery, except electrical, nec	3599	9.29	9.32	9.37	9.39	-	378.10	383.05	389.79	388.75	-
Electrical and electronic equipment	36	8.71	8.77	9.08	9.07	\$9.18	357.98	363.08	374.10	370.96	\$380.05
Electric distributing equipment	361	8.39	8.49	8.78	8.82	-	339.80	351.49	362.61	361.62	-
Transformers	3612	8.40	8.52	8.75	8.88	-	346.92	364.66	366.63	374.74	-
Switchgear and switchboard apparatus	3613	8.38	8.46	8.80	8.78	-	333.52	341.78	359.04	352.08	-
Electrical industrial apparatus	362	8.87	8.94	9.25	9.25	-	358.35	368.33	383.88	376.48	-
Motors and generators	3621	8.88	8.97	9.24	9.20	-	364.08	374.95	387.16	376.28	-
Industrial controls	3622	8.67	8.69	9.01	9.09	-	348.53	356.29	365.81	363.60	-
Household appliances	363	8.63	8.75	8.89	8.83	-	354.69	364.00	357.38	354.08	-
Household refrigerators and freezers	3632	9.91	10.34	10.27	10.34	-	408.29	447.72	434.42	409.46	-
Household laundry equipment	3633	10.05	10.21	10.67	10.62	-	405.02	420.65	421.47	418.43	-
Electric housewares and fans	3634	6.68	6.78	6.77	6.77	-	273.21	280.01	271.48	272.83	-
Electric lighting and wiring equipment	364	8.15	8.23	8.50	8.43	-	332.52	337.43	342.55	341.42	-
Electric lamps	3641	9.34	9.41	9.76	9.76	-	380.14	394.28	406.02	411.87	-
Current-carrying wiring devices	3643	7.67	7.71	7.90	7.77	-	312.17	316.11	318.37	313.91	-
Noncurrent-carrying wiring devices	3644	8.39	8.53	8.85	8.85	-	342.31	347.17	360.20	370.82	-
Residential lighting fixtures	3645	6.17	6.35	6.60	6.56	-	249.89	257.18	252.78	256.50	-
Radio and TV receiving equipment	365	8.32	8.48	8.87	8.77	-	337.79	350.22	368.11	347.29	-
Radio and TV receiving sets	3651	8.67	8.82	9.12	9.13	-	355.47	364.27	373.92	361.55	-
Communication equipment	366	10.32	10.38	10.98	10.95	-	424.15	427.66	456.77	455.52	-
Telephone and telegraph apparatus	3661	10.13	10.27	11.04	10.87	-	423.43	426.21	462.58	453.28	-
Radio and TV communication equipment	3662	10.43	10.44	10.94	10.99	-	424.50	429.08	454.01	456.09	-
Electronic components and accessories	367	7.58	7.58	7.84	7.86	-	311.54	313.81	322.22	320.69	-
Electronic tubes	3671-3	9.78	9.79	10.06	10.05	-	403.91	412.16	424.53	420.09	-
Semiconductors and related devices	3674	8.75	8.79	9.20	9.22	-	365.75	370.06	383.64	378.94	-
Electronic components, nec	3679	7.00	7.00	7.19	7.24	-	287.70	288.40	294.79	296.12	-
Misc. electrical equipment and supplies	369	9.61	9.64	9.94	9.82	-	409.39	408.74	412.51	408.51	-
Storage batteries	3691	10.22	10.40	10.79	10.62	-	458.88	461.76	455.34	458.78	-
Engine electrical equipment	3694	10.17	10.08	10.45	10.21	-	434.26	426.38	434.72	421.67	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p
Durable goods—Continued											
Transportation equipment	37	42.6	42.9	42.3	42.4	42.6	4.5	4.8	4.5	4.7	-
Motor vehicles and equipment	371	44.1	44.1	43.2	43.2	43.1	5.7	6.0	5.1	5.4	-
Motor vehicles and car bodies	3711	44.4	44.3	42.6	43.4	-	6.3	6.7	4.9	6.0	-
Truck and bus bodies	3713	40.2	40.3	40.8	40.2	-	2.9	2.6	3.3	2.7	-
Motor vehicle parts and accessories	3714	44.4	44.6	44.3	43.6	-	5.7	6.0	5.8	5.4	-
Truck trailers	3715	40.9	41.4	40.4	40.5	-	3.3	3.4	2.9	2.7	-
Aircraft and parts	372	41.4	41.8	42.2	42.4	-	3.5	3.6	4.5	4.7	-
Aircraft	3721	40.7	-	-	-	-	2.6	-	-	-	-
Aircraft engines and engine parts	3724	42.0	42.3	42.2	42.3	-	4.6	4.8	5.3	5.6	-
Aircraft equipment, nec	3728	42.1	42.6	42.8	43.4	-	3.8	4.0	5.1	5.5	-
Ship and boat building and repairing	373	40.1	41.4	39.4	39.7	-	2.5	3.7	3.1	3.0	-
Ship building and repairing	3731	40.2	41.8	39.4	39.8	-	2.7	4.3	3.5	3.2	-
Boat building and repairing	3732	39.5	39.9	39.3	39.4	-	1.9	1.9	2.1	2.3	-
Railroad equipment	374	37.8	40.4	41.6	40.7	-	1.1	1.5	3.7	3.2	-
Guided missiles, space vehicles, and parts	376	41.8	41.7	42.2	41.7	-	3.7	3.3	3.2	3.0	-
Guided missiles and space vehicles	3761	42.0	41.8	42.5	41.7	-	4.0	3.4	3.2	2.9	-
Miscellaneous transportation equipment	379	40.4	39.8	40.3	40.8	-	2.8	2.4	2.8	2.8	-
Travel trailers and campers	3792	39.8	38.4	37.9	38.1	-	2.5	1.7	1.4	1.3	-
Instruments and related products	38	40.6	41.0	41.6	41.1	41.8	2.2	2.3	2.7	2.5	-
Engineering and scientific instruments	381	41.3	41.6	41.4	41.3	-	2.6	2.5	2.8	2.6	-
Measuring and controlling devices	382	40.6	40.7	42.7	41.3	-	2.0	1.9	2.7	2.3	-
Environmental controls	3822	41.0	40.5	42.0	41.5	-	2.7	2.2	2.8	2.5	-
Process control instruments	3823	39.4	41.0	42.6	41.6	-	1.4	1.4	3.6	3.1	-
Instruments to measure electricity	3825	41.1	40.5	43.1	41.2	-	1.7	1.6	2.1	2.0	-
Optical instruments and lenses	383	42.9	43.6	43.6	42.9	-	2.9	3.3	3.7	3.3	-
Medical instruments and supplies	384	40.1	40.6	39.7	40.0	-	2.3	2.5	2.1	2.1	-
Surgical and medical instruments	3841	39.8	40.5	39.3	39.5	-	2.3	2.3	2.0	2.0	-
Surgical appliances and supplies	3842	40.4	40.6	40.1	40.4	-	2.5	2.7	2.3	2.3	-
Ophthalmic goods	385	39.5	40.3	40.0	39.3	-	1.4	1.7	2.0	2.0	-
Photographic equipment and supplies	386	41.3	41.7	42.8	42.8	-	2.3	2.5	3.2	3.3	-
Watches, clocks, and watchcases	387	39.6	39.9	41.8	41.8	-	2.8	2.9	3.0	3.6	-
Miscellaneous manufacturing	39	39.8	39.8	39.6	39.5	39.7	2.6	2.5	2.3	2.4	-
Jewelry, silverware, and plated ware	391	39.3	40.0	38.3	40.0	-	2.7	3.0	2.0	3.0	-
Jewelry, precious metal	3911	38.8	39.9	37.6	39.5	-	3.0	3.4	1.8	3.2	-
Musical instruments	393	40.5	40.5	40.2	39.6	-	1.8	1.9	1.8	1.2	-
Toys and sporting goods	394	40.3	40.1	39.4	39.7	-	2.7	2.6	2.4	2.6	-
Dolls, games, toys, and children's vehicles	3942.4	40.0	40.0	39.3	39.2	-	3.0	2.5	2.0	1.9	-
Sporting and athletic goods, nec	3949	40.6	40.2	39.6	40.2	-	2.4	2.7	2.8	3.3	-
Pens, pencils, office, and art supplies	395	40.7	40.8	40.3	40.0	-	2.6	2.4	2.3	2.5	-
Costume jewelry and notions	396	37.5	37.2	37.9	37.5	-	2.6	2.6	2.2	1.8	-
Costume jewelry	3961	35.6	35.7	36.5	36.2	-	2.7	3.0	2.0	1.7	-
Miscellaneous manufactures	399	40.0	40.1	40.5	39.7	-	2.6	2.3	2.6	2.4	-
Signs and advertising displays	3993	40.5	40.5	41.0	39.9	-	2.8	2.5	3.0	2.9	-
Nondurable goods		39.9	40.0	39.7	39.5	39.7	3.3	3.2	3.4	3.1	3.2
Food and kindred products	20	39.8	39.9	40.2	39.8	40.1	3.9	3.7	4.5	3.9	-
Meat products	201	39.6	39.8	40.5	39.9	-	3.9	3.8	4.2	3.6	-
Meat packing plants	2011	41.3	42.3	42.3	41.4	-	4.9	4.9	5.1	4.1	-
Sausages and other prepared meats	2013	40.0	39.9	40.2	39.8	-	3.7	3.6	4.1	3.4	-
Poultry dressing plants	2016	38.0	37.3	39.1	38.5	-	2.9	3.0	3.4	3.0	-
Dairy products	202	40.5	40.8	41.4	40.7	-	3.7	4.1	4.6	3.9	-
Cheese, natural and processed	2022	39.6	39.3	40.0	39.5	-	3.4	3.6	4.1	3.5	-
Fluid milk	2026	41.6	42.4	42.2	41.5	-	4.1	4.6	5.1	4.5	-
Preserved fruits and vegetables	203	39.2	38.9	39.4	38.2	-	4.4	3.6	5.6	4.3	-
Canned specialties	2032	43.6	42.2	44.1	42.2	-	7.0	5.3	8.4	7.3	-
Canned fruits and vegetables	2033	39.1	38.1	39.1	37.3	-	4.6	3.3	6.6	4.7	-
Frozen fruits and vegetables	2037	37.9	38.6	40.7	37.8	-	4.2	3.5	5.3	4.0	-
Grain mill products	204	43.5	43.5	44.0	43.6	-	5.8	5.2	6.2	5.5	-
Flour and other grain mill products	2041	47.0	45.9	46.5	45.3	-	7.2	5.7	7.4	6.2	-
Prepared feeds, nec	2048	43.6	43.7	43.0	43.0	-	6.1	5.8	5.9	5.5	-
Bakery products	205	38.3	38.3	38.8	38.5	-	3.0	2.9	3.2	3.0	-
Bread, cake, and related products	2051	37.7	37.6	37.9	37.8	-	3.1	3.1	3.4	3.2	-
Cookies and crackers	2052	39.8	39.9	41.0	40.4	-	2.6	2.3	2.7	2.4	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p
Durable goods—Continued											
Transportation equipment	37	\$11.87	\$12.01	\$12.23	\$12.28	\$12.40	\$505.66	\$515.23	\$517.33	\$520.67	\$528.24
Motor vehicles and equipment	371	12.38	12.49	12.69	12.79	12.92	545.96	550.81	548.21	552.53	556.85
Motor vehicles and car bodies	3711	13.64	13.77	14.08	14.28	-	605.62	610.01	599.81	619.75	-
Truck and bus bodies	3713	9.38	9.37	9.99	9.87	-	377.08	377.61	407.59	396.77	-
Motor vehicle parts and accessories	3714	11.82	11.97	12.23	12.20	-	524.81	533.86	541.79	531.92	-
Truck trailers	3715	8.75	8.87	8.78	8.88	-	357.88	367.22	354.71	359.64	-
Aircraft and parts	372	11.99	12.08	12.47	12.46	-	496.39	504.94	526.23	528.30	-
Aircraft	3721	12.76	-	-	-	-	519.33	-	-	-	-
Aircraft engines and engine parts	3724	11.84	11.90	12.47	12.60	-	497.28	503.37	526.23	532.98	-
Aircraft equipment, nec	3728	10.84	10.90	11.48	11.46	-	456.36	464.34	491.34	497.36	-
Ship and boat building and repairing	373	9.93	10.37	10.30	10.27	-	398.19	429.32	405.82	407.72	-
Ship building and repairing	3731	10.68	11.21	11.13	11.08	-	429.34	468.58	438.52	440.98	-
Boat building and repairing	3732	7.57	7.59	7.88	7.89	-	299.02	302.84	309.68	310.87	-
Railroad equipment	374	12.15	12.05	12.51	12.49	-	459.27	486.82	520.42	508.34	-
Guided missiles, space vehicles, and parts	376	11.83	11.88	11.98	11.87	-	494.49	495.40	505.56	494.98	-
Guided missiles and space vehicles	3761	12.12	12.13	12.19	12.08	-	509.04	507.03	518.08	503.74	-
Miscellaneous transportation equipment	379	9.63	9.73	9.74	9.89	-	389.05	387.25	392.52	403.51	-
Travel trailers and campers	3792	8.50	8.68	8.54	8.75	-	338.30	333.31	323.67	333.38	-
Instruments and related products	38	8.54	8.56	8.92	8.88	8.89	346.72	350.96	371.07	364.97	371.60
Engineering and scientific instruments	381	9.08	9.11	9.65	9.65	-	375.00	378.98	399.51	398.55	-
Measuring and controlling devices	382	8.51	8.52	8.78	8.69	-	345.51	346.76	374.91	358.90	-
Environmental controls	3822	7.98	7.98	8.22	8.21	-	327.18	323.19	345.24	340.72	-
Process control instruments	3823	8.61	8.63	8.86	8.87	-	339.23	353.83	377.44	368.99	-
Instruments to measure electricity	3825	8.81	8.80	9.16	8.97	-	362.09	356.40	394.80	369.56	-
Optical instruments and lenses	383	9.32	9.37	10.01	9.96	-	399.83	408.53	436.44	427.28	-
Medical instruments and supplies	384	7.49	7.52	7.78	7.74	-	300.35	305.31	308.87	309.60	-
Surgical and medical instruments	3841	7.55	7.51	7.95	7.90	-	300.49	304.16	312.44	312.05	-
Surgical appliances and supplies	3842	7.45	7.53	7.63	7.60	-	300.98	305.72	305.96	307.04	-
Ophthalmic goods	385	6.41	6.41	6.72	6.76	-	253.20	258.32	268.80	265.67	-
Photographic equipment and supplies	386	11.12	11.16	11.70	11.71	-	459.26	465.37	500.76	501.19	-
Watches, clocks, and watchcases	387	6.39	6.42	6.50	6.72	-	253.04	256.16	271.70	280.90	-
Miscellaneous manufacturing	39	6.84	6.84	7.01	7.01	7.05	272.23	272.23	277.60	276.90	279.89
Jewelry, silverware, and plated ware	391	7.45	7.37	7.62	7.67	-	292.79	294.80	291.85	306.80	-
Jewelry, precious metal	3911	7.44	7.35	7.66	7.77	-	288.67	293.27	288.02	306.92	-
Musical instruments	393	6.65	6.66	6.76	6.83	-	269.33	269.73	271.75	270.47	-
Toys and sporting goods	394	6.20	6.21	6.37	6.32	-	249.86	249.02	250.98	250.90	-
Dolls, games, toys, and children's vehicles	3942,4	5.86	5.88	6.02	5.99	-	234.40	235.20	236.59	234.81	-
Sporting and athletic goods, nec	3949	6.56	6.55	6.76	6.68	-	266.34	263.31	267.70	268.54	-
Pens, pencils, office, and art supplies	395	7.13	7.16	7.39	7.46	-	290.19	292.13	297.82	298.40	-
Costume jewelry and notions	396	5.66	5.73	5.69	5.64	-	212.25	213.16	215.65	211.50	-
Costume jewelry	3961	5.17	5.19	5.33	5.29	-	184.05	185.28	194.55	191.50	-
Miscellaneous manufactures	399	7.49	7.50	7.76	7.77	-	299.60	300.75	314.28	308.47	-
Signs and advertising displays	3993	8.23	8.20	8.22	8.33	-	333.32	332.10	337.02	332.37	-
Nondurable goods		8.12	8.18	8.44	8.43	8.53	323.99	327.20	335.07	332.99	338.64
Food and kindred products	20	8.16	8.26	8.37	8.33	8.48	324.77	329.57	336.47	331.53	340.05
Meat products	201	7.27	7.34	7.25	7.14	-	287.89	292.13	293.63	284.89	-
Meat packing plants	2011	8.34	8.32	8.23	8.06	-	344.44	351.94	348.13	333.68	-
Sausages and other prepared meats	2013	8.95	9.05	8.85	8.71	-	358.00	361.10	355.77	346.66	-
Poultry dressing plants	2016	5.35	5.44	5.58	5.56	-	203.30	202.91	218.18	214.06	-
Dairy products	202	8.66	8.79	8.87	8.92	-	350.73	358.63	367.22	363.04	-
Cheese, natural and processed	2022	8.21	8.26	8.46	8.41	-	325.12	324.62	338.40	332.20	-
Fluid milk	2026	8.87	9.01	9.13	9.12	-	368.99	382.02	385.29	378.48	-
Preserved fruits and vegetables	203	7.28	7.35	7.49	7.52	-	285.38	285.92	295.11	287.26	-
Canned specialties	2032	8.51	8.72	9.12	9.17	-	371.04	367.98	402.19	386.97	-
Canned fruits and vegetables	2033	7.11	7.20	7.36	7.49	-	278.00	274.32	287.78	279.38	-
Frozen fruits and vegetables	2037	7.00	7.03	7.02	6.93	-	265.30	271.36	285.71	261.95	-
Grain mill products	204	9.73	9.83	10.28	10.14	-	423.26	427.61	452.32	442.10	-
Flour and other grain mill products	2041	9.95	10.04	10.15	10.05	-	467.65	460.84	471.98	455.27	-
Prepared feeds, nec	2048	7.44	7.61	7.81	7.74	-	324.38	332.56	335.83	332.82	-
Bakery products	205	9.06	9.14	9.54	9.46	-	347.00	350.06	370.15	364.21	-
Bread, cake, and related products	2051	9.11	9.12	9.56	9.50	-	343.45	342.91	362.32	359.10	-
Cookies and crackers	2052	8.95	9.20	9.48	9.36	-	356.21	367.08	388.68	378.14	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P
Nondurable goods—Continued											
Food and kindred products—Continued											
Sugar and confectionery products	206	41.2	41.4	40.3	41.1	-	3.9	3.6	3.7	3.9	-
Cane and beet sugar	2061-3	42.9	43.5	41.0	41.9	-	6.5	5.8	5.6	5.3	-
Confectionery products	2065	40.3	40.3	39.6	40.3	-	2.7	2.8	3.1	3.6	-
Fats and oils	207	42.5	43.8	43.1	43.8	-	5.2	5.3	5.3	5.6	-
Beverages	208	40.0	40.1	40.7	39.9	-	3.5	3.3	4.1	3.3	-
Malt beverages	2082	41.8	42.9	41.8	41.7	-	5.1	5.6	4.8	4.7	-
Bottled and canned soft drinks	2086	38.7	38.3	39.8	38.4	-	2.5	2.2	3.4	2.4	-
Misc. food and kindred products	209	37.5	37.5	38.3	38.1	-	3.1	2.9	4.1	3.8	-
Tobacco manufactures	21	38.4	40.1	39.6	40.1	40.4	.8	2.6	1.1	1.1	-
Cigarettes	211	36.7	41.3	39.0	38.5	-	.1	3.2	.9	.4	-
Textile mill products	22	41.1	41.0	39.4	39.0	39.4	4.0	3.8	3.0	2.9	-
Weaving mills, cotton	221	41.7	41.2	40.0	39.9	-	4.5	4.0	3.7	3.3	-
Weaving mills, synthetics	222	41.7	41.3	40.4	40.3	-	4.1	4.0	3.2	3.3	-
Weaving and finishing mills, wool	223	41.0	42.2	42.3	41.1	-	3.8	5.1	4.4	3.6	-
Narrow fabric mills	224	39.8	40.3	39.3	38.6	-	2.4	3.0	2.1	2.1	-
Knitting mills	225	39.4	39.7	37.0	36.7	-	3.2	3.0	1.9	1.9	-
Women's hosiery, except socks	2251	39.4	40.6	34.8	35.1	-	3.3	3.5	1.2	1.1	-
Hosiery, nec	2252	38.1	38.6	37.0	37.1	-	2.1	2.2	1.7	1.7	-
Knit outerwear mills	2253	38.4	38.4	36.5	36.0	-	2.9	2.6	1.8	2.1	-
Knit underwear mills	2254	38.0	38.9	36.7	36.2	-	1.7	2.0	1.4	1.1	-
Circular knit fabric mills	2257	43.5	42.5	39.1	38.5	-	5.6	4.8	2.5	2.4	-
Textile finishing, except wool	226	41.6	41.4	40.9	39.8	-	4.3	4.7	4.0	3.6	-
Finishing plants, cotton	2261	42.2	43.0	40.8	40.4	-	4.4	4.6	4.1	4.0	-
Finishing plants, synthetics	2262	40.4	38.9	41.2	39.5	-	4.1	4.7	4.5	4.2	-
Floor covering mills	227	42.2	42.4	41.7	42.1	-	4.9	4.7	4.3	4.6	-
Yarn and thread mills	228	41.6	41.3	38.6	37.9	-	4.1	4.0	2.7	2.3	-
Yarn mills, except wool	2281	42.4	42.1	38.8	38.2	-	4.6	4.4	3.0	2.5	-
Throwing and winding mills	2282	38.0	38.3	37.3	36.7	-	2.7	2.8	2.3	2.2	-
Miscellaneous textile goods	229	43.2	43.0	42.4	41.7	-	4.7	4.3	3.7	3.6	-
Apparel and other textile products	23	36.8	36.8	36.0	36.2	36.3	1.6	1.5	1.3	1.3	-
Men's and boys' suits and coats	231	36.9	36.9	36.8	36.1	-	.9	1.0	1.1	.9	-
Men's and boys' furnishings	232	37.7	37.5	36.5	36.4	-	1.2	1.2	1.0	1.1	-
Men's and boys' shirts and nightwear	2321	37.2	37.5	36.8	36.2	-	1.3	1.2	1.1	.9	-
Men's and boys' separate trousers	2327	36.8	37.5	35.8	36.6	-	1.1	1.3	.9	1.2	-
Men's and boys' work clothing	2328	39.2	37.8	36.8	37.2	-	1.3	1.0	1.0	1.0	-
Women's and misses' outerwear	233	34.5	34.4	33.7	34.0	-	1.3	1.3	1.0	1.0	-
Women's and misses' blouses and waists	2331	34.8	34.6	33.7	35.1	-	1.3	1.2	1.0	1.3	-
Women's and misses' dresses	2335	32.8	32.8	32.7	32.9	-	.9	.9	.7	.7	-
Women's and misses' suits and coats	2337	34.1	33.7	34.8	32.7	-	1.4	1.2	1.3	.9	-
Women's and misses' outerwear, nec	2339	36.1	35.9	34.0	35.0	-	1.6	1.7	1.1	1.1	-
Women's and children's undergarments	234	38.0	38.1	36.9	37.1	-	2.2	2.1	1.7	1.6	-
Women's and children's underwear	2341	38.2	38.2	36.9	37.3	-	2.3	2.3	1.7	1.7	-
Brassieres and allied garments	2342	37.2	37.5	36.9	35.8	-	1.5	1.4	1.5	.9	-
Children's outerwear	236	36.2	36.7	36.0	36.7	-	.8	1.3	1.1	1.0	-
Children's dresses and blouses	2361	35.0	35.9	34.9	35.9	-	.8	1.3	1.2	1.0	-
Misc. apparel and accessories	238	37.2	37.5	37.6	37.6	-	1.9	1.9	1.8	1.6	-
Misc. fabricated textile products	239	40.1	39.9	39.0	39.3	-	2.9	2.7	2.6	2.7	-
Curtains and draperies	2391	38.5	38.7	37.8	37.5	-	1.7	1.6	1.5	1.6	-
House furnishings, nec	2392	41.2	40.5	38.9	39.7	-	4.0	3.7	2.8	3.2	-
Automotive and apparel trimmings	2396	42.0	41.5	41.8	42.1	-	4.4	3.9	4.6	4.4	-
Paper and allied products	26	43.3	43.2	43.4	43.1	43.3	5.1	4.9	5.3	5.1	-
Paper and pulp mills	261,2,6	45.1	45.2	45.2	45.0	-	7.0	6.8	7.0	6.6	-
Paper mills, except building paper	262	45.2	45.3	45.4	45.3	-	6.9	6.8	7.0	6.8	-
Paperboard mills	263	43.6	44.8	44.3	44.2	-	7.0	7.1	7.7	7.7	-
Misc. converted paper products	264	41.7	41.6	41.8	41.7	-	3.4	3.1	3.5	3.4	-
Paper coating and glazing	2641	42.1	42.6	42.2	42.4	-	3.2	3.4	2.9	2.9	-
Envelopes	2642	40.6	41.0	41.7	41.4	-	3.2	3.2	3.6	3.5	-
Bags, except textile bags	2643	42.5	42.3	42.4	42.3	-	3.8	3.4	4.0	3.7	-
Paperboard containers and boxes	265	42.9	42.4	43.0	42.3	-	4.6	4.1	4.9	4.4	-
Folding paperboard boxes	2651	42.0	42.7	42.7	42.6	-	3.8	3.8	4.4	4.4	-
Corrugated and solid fiber boxes	2653	44.5	43.4	44.3	43.2	-	5.7	4.8	5.8	5.1	-
Sanitary food containers	2654	42.2	42.5	41.7	41.0	-	3.8	3.3	4.5	3.7	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P
Nondurable goods—Continued											
Food and kindred products—Continued											
Sugar and confectionery products	206	\$7.76	\$7.80	\$8.45	\$8.19	-	\$319.71	\$322.92	\$340.54	\$336.61	-
Cane and beet sugar	2061-3	8.67	8.89	10.01	9.18	-	371.94	386.72	410.41	384.64	-
Confectionery products	2065	6.80	6.80	7.31	7.17	-	274.04	274.04	289.48	288.95	-
Fats and oils	207	8.87	8.81	8.95	8.64	-	376.98	385.88	385.75	378.43	-
Beverages	208	10.63	10.74	11.14	11.06	-	425.20	430.67	453.40	441.29	-
Malt beverages	2082	14.34	14.44	15.23	15.25	-	599.41	619.48	636.61	635.93	-
Bottled and canned soft drinks	2086	7.92	8.01	8.42	8.16	-	306.50	306.78	335.12	313.34	-
Misc. food and kindred products	209	7.46	7.60	7.55	7.60	-	279.75	285.00	289.17	289.56	-
Tobacco manufactures	21	9.65	10.77	10.31	10.21	\$11.39	370.56	431.88	408.28	409.42	\$460.16
Cigarettes	211	12.51	13.00	13.63	13.68	-	459.12	536.90	531.57	526.68	-
Textile mill products	22	6.24	6.26	6.49	6.49	6.53	256.46	256.66	255.71	253.11	257.28
Weaving mills, cotton	221	6.49	6.51	6.77	6.75	-	270.63	268.21	270.80	269.33	-
Weaving mills, synthetics	222	6.67	6.70	6.98	6.98	-	278.14	276.71	281.99	281.29	-
Weaving and finishing mills, wool	223	6.58	6.62	6.83	6.84	-	269.78	279.36	288.91	281.12	-
Narrow fabric mills	224	5.90	6.01	6.17	6.25	-	234.82	242.20	242.48	241.25	-
Knitting mills	225	5.73	5.73	5.92	5.92	-	225.76	227.48	219.04	217.26	-
Women's hosiery, except socks	2251	5.59	5.60	5.81	5.81	-	220.25	227.36	202.19	203.93	-
Hosiery, nec	2252	5.41	5.41	5.62	5.65	-	206.12	208.83	207.94	209.62	-
Knit outerwear mills	2253	5.65	5.66	5.79	5.78	-	216.96	217.34	211.34	208.08	-
Knit underwear mills	2254	5.37	5.36	5.53	5.54	-	204.06	208.50	202.95	200.55	-
Circular knit fabric mills	2257	6.40	6.38	6.53	6.53	-	278.40	271.15	255.32	251.41	-
Textile finishing, except wool	226	6.60	6.70	6.90	6.90	-	274.56	277.38	282.21	274.62	-
Finishing plants, cotton	2261	6.62	6.72	7.00	7.00	-	279.36	288.96	285.60	282.80	-
Finishing plants, synthetics	2262	6.89	7.00	7.30	7.34	-	278.36	272.30	300.76	289.93	-
Floor covering mills	227	6.35	6.42	6.61	6.59	-	267.97	272.21	275.64	277.44	-
Yarn and thread mills	228	5.84	5.87	6.07	6.05	-	242.94	242.43	234.30	229.30	-
Yarn mills, except wool	2281	5.84	5.87	6.06	6.04	-	247.62	247.13	235.13	230.73	-
Throwing and winding mills	2282	5.66	5.69	6.04	5.99	-	215.08	217.93	225.29	219.83	-
Miscellaneous textile goods	229	7.02	7.02	7.20	7.22	-	303.26	301.86	305.28	301.07	-
Apparel and other textile products	23	5.40	5.43	5.61	5.59	5.59	198.72	199.82	201.96	202.36	202.92
Men's and boys' suits and coats	231	6.26	6.30	6.61	6.64	-	230.99	232.47	243.25	239.70	-
Men's and boys' furnishings	232	4.93	4.96	5.10	5.07	-	185.86	186.00	186.15	184.55	-
Men's and boys' shirts and nightwear	2321	4.75	4.76	4.90	4.87	-	176.70	178.50	180.32	176.29	-
Men's and boys' separate trousers	2327	5.05	5.04	5.22	5.18	-	185.84	189.00	186.88	189.59	-
Men's and boys' work clothing	2328	4.88	4.95	5.10	5.06	-	191.30	187.11	187.68	188.23	-
Women's and misses' outerwear	233	5.39	5.41	5.59	5.56	-	185.96	186.10	188.38	189.04	-
Women's and misses' blouses and waists	2331	4.95	4.93	5.12	5.12	-	172.26	170.58	172.54	179.71	-
Women's and misses' dresses	2335	5.61	5.56	5.78	5.82	-	184.01	182.37	189.01	191.48	-
Women's and misses' suits and coats	2337	6.18	6.18	6.30	6.25	-	210.74	208.27	219.24	204.38	-
Women's and misses' outerwear, nec	2339	5.10	5.18	5.33	5.31	-	184.11	185.96	181.22	185.85	-
Women's and children's undergarments	234	4.94	4.96	5.17	5.18	-	187.72	188.98	190.77	192.18	-
Women's and children's underwear	2341	4.84	4.87	5.09	5.12	-	184.89	186.03	187.82	190.98	-
Brassieres and allied garments	2342	5.43	5.39	5.61	5.54	-	202.00	202.13	207.01	198.33	-
Children's outerwear	236	4.82	4.85	4.99	4.96	-	174.48	178.00	179.64	182.03	-
Children's dresses and blouses	2361	4.81	4.81	4.92	4.90	-	168.35	172.68	171.71	175.91	-
Misc. apparel and accessories	238	5.33	5.33	5.44	5.44	-	198.28	199.88	204.54	204.54	-
Misc. fabricated textile products	239	6.31	6.31	6.56	6.53	-	253.03	251.77	255.84	256.63	-
Curtains and draperies	2391	5.12	5.08	5.28	5.30	-	197.12	196.60	199.58	199.75	-
House furnishings, nec	2392	5.48	5.44	5.65	5.62	-	225.78	220.32	219.79	223.11	-
Automotive and apparel trimmings	2396	9.91	9.95	10.38	10.26	-	416.22	412.93	433.88	431.95	-
Paper and allied products	26	10.11	10.20	10.55	10.54	10.70	437.76	440.64	457.87	454.27	463.31
Paper and pulp mills	261,2,6	12.02	12.13	12.69	12.69	-	542.10	548.28	573.59	571.05	-
Paper mills, except building paper	262	11.97	12.10	12.72	12.72	-	541.04	548.13	577.49	576.22	-
Paperboard mills	263	12.34	12.51	13.21	13.23	-	538.02	560.45	585.20	584.77	-
Misc. converted paper products	264	8.85	8.93	9.12	9.10	-	369.05	371.49	381.22	379.47	-
Paper coating and glazing	2641	10.02	10.16	10.46	10.55	-	421.84	432.82	441.41	447.32	-
Envelopes	2642	8.20	8.20	8.36	8.41	-	332.92	336.20	348.61	348.17	-
Bags, except textile bags	2643	8.31	8.27	8.69	8.59	-	353.18	349.82	368.46	363.36	-
Paperboard containers and boxes	265	8.66	8.68	8.96	8.92	-	371.51	368.03	385.28	377.32	-
Folding paperboard boxes	2651	8.82	8.97	9.19	9.20	-	370.44	383.02	392.41	391.92	-
Corrugated and solid fiber boxes	2653	9.02	8.99	9.32	9.26	-	401.39	390.17	412.88	400.03	-
Sanitary food containers	2654	8.33	8.37	8.68	8.65	-	351.53	355.73	361.96	354.65	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P
Nondurable goods—Continued											
Printing and publishing	27	38.0	38.1	38.1	37.9	38.3	3.0	2.9	3.2	3.0	-
Newspapers	271	34.1	34.6	34.1	34.2	-	1.9	2.2	1.9	2.0	-
Periodicals	272	36.9	37.5	36.0	37.1	-	2.3	2.5	3.0	2.9	-
Books	273	39.3	39.8	39.0	39.0	-	3.4	3.4	3.4	3.1	-
Book publishing	2731	37.1	37.8	37.0	38.1	-	1.7	2.0	1.7	1.9	-
Book printing	2732	42.5	42.5	41.7	40.2	-	5.7	5.3	5.6	4.6	-
Miscellaneous publishing	274	35.1	35.2	35.6	36.2	-	1.5	1.6	2.2	2.3	-
Commercial printing	275	39.4	39.2	39.6	39.3	-	3.5	3.3	3.9	3.5	-
Commercial printing, letterpress	2751	38.9	38.7	39.0	39.0	-	3.0	2.6	3.3	3.1	-
Commercial printing, lithographic	2752	39.6	39.4	39.6	39.3	-	3.7	3.5	4.1	3.6	-
Manifold business forms	276	41.8	42.8	41.0	40.8	-	4.0	4.5	3.5	3.2	-
Blankbooks and bookbinding	278	38.9	38.9	39.8	39.1	-	2.2	2.0	2.9	2.5	-
Printing trade services	279	38.8	38.7	38.9	38.8	-	3.9	3.9	3.9	3.7	-
Chemicals and allied products	28	41.7	42.1	42.0	41.7	41.9	3.4	3.4	3.5	3.4	-
Industrial inorganic chemicals	281	41.5	42.6	42.1	42.0	-	3.1	3.4	3.5	3.3	-
Industrial inorganic chemicals, nec	2819	41.7	42.7	42.3	42.2	-	3.2	3.3	3.6	3.4	-
Plastics materials and synthetics	282	42.3	42.3	41.8	42.0	-	3.6	3.3	3.6	3.5	-
Plastics materials and resins	2821	43.3	43.6	42.9	43.4	-	4.9	4.8	4.6	4.7	-
Organic fibers, noncellulosic	2824	42.2	42.2	41.3	41.2	-	3.1	2.4	2.8	2.5	-
Drugs	283	40.8	41.0	41.2	39.8	-	2.9	3.0	2.6	2.4	-
Pharmaceutical preparations	2834	40.3	41.1	40.6	40.2	-	2.8	3.0	2.6	2.3	-
Soap, cleaners, and toilet goods	284	41.3	41.9	42.3	41.3	-	3.3	3.3	3.8	3.3	-
Soap and other detergents	2841	43.7	44.7	45.7	44.6	-	5.1	5.4	6.2	5.5	-
Toilet preparations	2844	40.1	40.8	40.4	39.4	-	2.4	2.5	2.5	2.2	-
Polishing, sanitation, and finishing preparations	2842,3	40.5	40.4	42.0	40.9	-	2.5	2.1	3.3	2.6	-
Paints and allied products	285	40.9	41.0	41.7	41.4	-	2.6	2.3	3.3	2.8	-
Industrial organic chemicals	286	42.4	43.2	42.9	42.9	-	3.8	3.9	4.0	4.1	-
Cyclic crudes and intermediates	2865	40.4	41.7	42.6	42.4	-	3.4	3.5	3.9	3.8	-
Gum, wood, and industrial organic chemicals, nec	2861,9	43.0	43.6	43.0	43.0	-	3.9	4.0	4.0	4.2	-
Agricultural chemicals	287	42.6	42.1	42.6	42.9	-	4.6	4.2	4.3	4.7	-
Miscellaneous chemical products	289	41.8	42.5	41.9	41.7	-	3.4	3.4	3.6	3.4	-
Petroleum and coal products	29	43.8	43.9	44.2	43.7	43.9	4.4	4.3	4.6	4.5	-
Petroleum refining	291	44.1	44.6	44.0	43.6	-	3.9	4.0	3.9	4.0	-
Paving and roofing materials	295	43.4	42.5	46.5	45.3	-	6.5	6.1	8.0	7.2	-
Rubber and misc. plastics products	30	41.9	42.0	41.5	41.4	41.7	4.1	4.0	3.9	3.6	-
Tires and inner tubes	301	44.5	44.5	43.6	43.6	-	6.1	5.4	4.7	4.4	-
Rubber and plastics footwear	302	38.3	38.8	36.9	38.3	-	1.5	1.6	2.1	1.8	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	41.8	41.9	41.6	41.6	-	3.5	3.5	4.0	3.6	-
Fabricated rubber products, nec	306	41.4	41.6	41.8	41.4	-	3.6	3.5	3.6	3.2	-
Miscellaneous plastics products	307	41.6	41.8	41.2	41.1	-	4.0	3.9	3.8	3.6	-
Leather and leather products	31	37.2	37.3	36.4	36.3	36.6	1.6	1.6	1.3	1.2	-
Leather tanning and finishing	311	39.7	39.8	39.2	39.1	-	3.1	3.1	2.5	2.6	-
Footwear, except rubber	314	36.5	36.5	35.6	35.6	-	1.0	1.0	1.0	.9	-
Men's footwear, except athletic	3143	37.2	37.0	36.4	36.6	-	1.0	1.0	1.0	1.1	-
Women's footwear, except athletic	3144	36.2	36.3	34.5	34.0	-	1.0	1.2	.9	.5	-
Luggage	316	38.7	37.5	38.4	38.1	-	3.3	2.6	2.5	1.9	-
Handbags and personal leather goods	317	38.3	39.5	36.6	36.7	-	2.2	2.4	1.5	1.5	-
Transportation and public utilities		39.5	39.3	39.9	39.3	39.4	-	-	-	-	-
Railroad transportation:											
Class I railroads ²	4011	41.9	43.6	45.0	44.1	-	-	-	-	-	-
Local and interurban passenger transit	41	33.9	33.2	34.3	34.3	-	-	-	-	-	-
Local and suburban transportation	411	37.8	37.7	38.0	38.5	-	-	-	-	-	-
Intercity highway transportation	413	37.9	39.9	38.9	38.7	-	-	-	-	-	-
Trucking and warehousing	42	39.1	38.5	39.4	38.7	-	-	-	-	-	-
Trucking and trucking terminals	421,3	39.0	38.5	39.3	38.6	-	-	-	-	-	-
Public warehousing	422	40.8	38.9	40.5	39.7	-	-	-	-	-	-
Pipe lines, except natural gas	46	40.8	41.3	40.7	40.4	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P
Nondurable goods—Continued											
Printing and publishing	27	\$9.23	\$9.26	\$9.51	\$9.49	\$9.51	\$350.74	\$352.81	\$362.33	\$359.67	\$364.23
Newspapers	271	9.36	9.41	9.50	9.56	-	319.18	325.59	323.95	326.95	-
Periodicals	272	9.75	9.86	10.19	10.26	-	359.78	369.75	387.22	380.65	-
Books	273	8.74	8.64	8.75	8.77	-	343.48	343.87	341.25	342.03	-
Book publishing	2731	8.18	8.14	8.31	8.34	-	303.48	307.69	307.47	317.75	-
Book printing	2732	9.43	9.23	9.26	9.30	-	400.78	392.28	386.14	373.86	-
Miscellaneous publishing	274	8.39	8.40	8.56	8.59	-	294.49	295.68	304.74	310.96	-
Commercial printing	275	9.49	9.49	9.84	9.80	-	373.91	372.01	389.66	385.14	-
Commercial printing, letterpress	2751	9.01	8.99	9.22	9.27	-	350.49	347.91	359.58	361.53	-
Commercial printing, lithographic	2752	9.65	9.63	10.11	10.02	-	382.14	379.42	400.36	393.79	-
Manifold business forms	276	9.36	9.49	9.58	9.58	-	391.25	406.17	392.78	390.86	-
Blankbooks and bookbinding	278	7.21	7.30	7.41	7.37	-	280.47	283.97	294.92	288.17	-
Printing trade services	279	10.85	10.98	11.61	11.37	-	420.98	424.93	451.63	441.16	-
Chemicals and allied products	28	10.79	10.86	11.23	11.31	11.38	449.94	457.21	471.66	471.63	476.82
Industrial inorganic chemicals	281	11.90	12.03	12.57	12.51	-	493.85	512.48	529.20	525.42	-
Industrial inorganic chemicals, nec	2819	11.97	12.05	12.58	12.57	-	499.15	514.54	532.13	530.45	-
Plastics materials and synthetics	282	10.77	10.83	11.35	11.37	-	455.57	458.11	474.43	477.54	-
Plastics materials and resins	2821	11.76	11.79	12.24	12.42	-	509.21	514.04	525.10	539.03	-
Organic fibers, noncellulosic	2824	10.22	10.30	11.01	10.86	-	431.28	434.66	454.71	447.43	-
Drugs	283	9.95	10.05	10.27	10.45	-	405.96	412.05	423.12	415.91	-
Pharmaceutical preparations	2834	9.54	9.61	10.09	10.11	-	384.46	394.97	409.65	406.42	-
Soap, cleaners, and toilet goods	284	9.74	9.91	9.95	10.08	-	402.26	415.23	420.89	416.30	-
Soap and other detergents	2841	12.60	12.86	13.11	13.03	-	550.62	574.84	599.13	581.14	-
Toilet preparations	2844	7.92	8.07	8.03	8.28	-	317.59	329.26	324.41	326.23	-
Polishing, sanitation, and finishing preparations	2842,3	9.18	9.18	9.50	9.47	-	371.79	370.87	399.00	387.32	-
Paints and allied products	285	9.42	9.46	9.81	9.81	-	385.28	387.86	409.08	406.13	-
Industrial organic chemicals	286	13.02	13.02	13.54	13.63	-	552.05	562.46	580.87	584.73	-
Cyclic crudes and intermediates	2865	12.43	12.51	12.99	12.83	-	502.17	521.67	553.37	543.99	-
Gum, wood, and industrial organic chemicals, nec	2861,9	13.20	13.17	13.72	13.87	-	567.60	574.21	589.96	596.41	-
Agricultural chemicals	287	10.67	10.57	11.06	11.02	-	454.54	445.00	471.16	472.76	-
Miscellaneous chemical products	289	9.77	9.77	10.19	10.28	-	408.39	415.23	426.96	428.68	-
Petroleum and coal products	29	13.38	13.45	13.54	13.61	13.63	586.04	590.46	598.47	594.76	598.36
Petroleum refining	291	14.52	14.52	14.73	14.80	-	640.33	647.59	648.12	645.28	-
Paving and roofing materials	295	9.86	9.95	10.24	10.30	-	427.92	422.88	476.16	466.59	-
Rubber and misc. plastics products	30	8.08	8.07	8.31	8.31	8.41	338.55	338.94	344.87	344.03	350.70
Tires and inner tubes	301	12.69	12.60	12.91	12.90	-	564.71	560.70	562.88	562.44	-
Rubber and plastics footwear	302	5.24	5.18	5.56	5.70	-	200.69	200.98	205.16	218.31	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	8.29	8.28	8.23	8.35	-	346.52	346.93	342.37	347.36	-
Fabricated rubber products, nec	306	7.82	7.83	8.10	8.13	-	323.75	325.73	338.58	336.58	-
Miscellaneous plastics products	307	7.37	7.40	7.64	7.62	-	306.59	309.32	314.77	313.18	-
Leather and leather products	31	5.56	5.57	5.72	5.71	5.72	206.83	207.76	208.21	207.27	209.35
Leather tanning and finishing	311	7.39	7.47	7.40	7.49	-	293.38	297.31	290.08	292.86	-
Footwear, except rubber	314	5.31	5.29	5.44	5.42	-	193.82	193.09	193.66	192.95	-
Men's footwear, except athletic	3143	5.48	5.53	5.73	5.71	-	203.86	204.61	208.57	208.99	-
Women's footwear, except athletic	3144	5.22	5.15	5.22	5.15	-	188.96	186.95	180.09	175.10	-
Luggage	316	6.31	6.46	6.48	6.40	-	244.20	242.25	248.83	243.84	-
Handbags and personal leather goods	317	5.19	5.21	5.58	5.59	-	198.78	205.80	204.23	205.15	-
Transportation and public utilities		10.94	11.01	11.27	11.24	11.31	432.13	432.69	449.67	441.73	445.61
Railroad transportation:											
Class I railroads ²	4011	12.99	13.04	13.40	13.26	-	544.28	568.54	603.00	584.77	-
Local and interurban passenger transit	41	7.52	7.16	7.62	7.48	-	254.93	237.71	261.37	256.56	-
Local and suburban transportation	411	8.08	8.09	7.83	7.86	-	305.42	304.99	297.54	302.61	-
Intercity highway transportation	413	11.80	10.82	11.59	11.28	-	447.22	431.72	450.85	436.54	-
Trucking and warehousing	42	10.42	10.48	10.44	10.45	-	407.42	403.48	411.34	404.42	-
Trucking and trucking terminals	421,3	10.67	10.71	10.62	10.66	-	416.13	412.34	417.37	411.48	-
Public warehousing	422	7.19	7.50	7.95	7.78	-	293.35	291.75	321.98	308.87	-
Pipe lines, except natural gas	46	14.27	14.10	14.80	14.85	-	582.22	582.33	602.36	599.94	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P
Transportation and public utilities—Continued											
Communication	48	39.9	39.9	40.3	39.8	-	-	-	-	-	-
Telephone communication	481	40.6	40.5	40.8	40.3	-	-	-	-	-	-
Radio and television broadcasting	483	37.5	37.4	37.7	37.1	-	-	-	-	-	-
Electric, gas, and sanitary services	49	41.6	41.8	41.8	41.4	-	-	-	-	-	-
Electric services	491	41.7	41.8	42.2	41.5	-	-	-	-	-	-
Gas production and distribution	492	40.9	41.2	41.3	41.2	-	-	-	-	-	-
Combination utility services	493	42.4	42.5	41.8	42.0	-	-	-	-	-	-
Sanitary services	495	41.2	40.8	41.2	41.4	-	-	-	-	-	-
Wholesale trade		38.7	38.7	38.8	38.7	38.7	-	-	-	-	-
Durable goods	50	39.1	39.1	39.3	39.3	-	-	-	-	-	-
Motor vehicles and automotive equipment	501	39.0	38.9	39.1	38.9	-	-	-	-	-	-
Furniture and home furnishings	502	37.7	37.6	38.0	37.5	-	-	-	-	-	-
Lumber and construction materials	503	39.4	39.2	39.4	39.1	-	-	-	-	-	-
Sporting goods, toys, and hobby goods	504	37.9	38.4	38.5	39.0	-	-	-	-	-	-
Metals and minerals, except petroleum	505	40.4	40.6	40.5	40.6	-	-	-	-	-	-
Electrical goods	506	38.9	39.1	39.6	39.3	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	39.0	38.7	38.7	38.5	-	-	-	-	-	-
Machinery, equipment, and supplies	508	39.5	39.4	39.7	39.7	-	-	-	-	-	-
Miscellaneous durable goods	509	37.9	38.3	38.2	38.4	-	-	-	-	-	-
Nondurable goods	51	38.1	38.0	38.0	37.9	-	-	-	-	-	-
Paper and paper products	511	37.3	37.4	37.7	37.1	-	-	-	-	-	-
Drugs, proprietaries, and sundries	512	37.4	37.7	37.8	37.8	-	-	-	-	-	-
Apparel, piece goods, and notions	513	37.0	37.3	36.4	36.4	-	-	-	-	-	-
Groceries and related products	514	38.6	38.6	38.6	38.6	-	-	-	-	-	-
Chemicals and allied products	516	39.0	39.1	39.4	39.6	-	-	-	-	-	-
Petroleum and petroleum products	517	39.2	39.5	39.7	39.0	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	35.6	35.7	36.2	35.9	-	-	-	-	-	-
Miscellaneous nondurable goods	519	37.5	37.1	37.2	37.3	-	-	-	-	-	-
Retail trade		29.9	29.8	30.1	29.7	29.7	-	-	-	-	-
Building materials and garden supplies	52	35.9	35.7	36.8	36.5	-	-	-	-	-	-
Lumber and other building materials	521	36.7	36.5	38.9	38.6	-	-	-	-	-	-
Hardware stores	525	33.7	33.4	33.2	33.0	-	-	-	-	-	-
General merchandise stores	53	29.3	29.1	29.5	29.2	-	-	-	-	-	-
Department stores	531	29.3	29.1	29.4	29.1	-	-	-	-	-	-
Variety stores	533	29.4	29.6	29.4	29.3	-	-	-	-	-	-
Misc. general merchandise stores	539	30.5	29.8	31.0	30.5	-	-	-	-	-	-
Food stores	54	30.5	30.4	30.8	30.3	-	-	-	-	-	-
Grocery stores	541	30.6	30.6	31.0	30.5	-	-	-	-	-	-
Retail bakeries	546	28.6	29.1	28.5	28.2	-	-	-	-	-	-
Automotive dealers and service stations	55	36.8	36.9	37.1	36.9	-	-	-	-	-	-
New and used car dealers	551,2	38.0	38.0	38.0	38.0	-	-	-	-	-	-
Auto and home supply stores	553	38.8	39.3	40.1	39.8	-	-	-	-	-	-
Gasoline service stations	554	34.3	34.5	34.5	34.2	-	-	-	-	-	-
Apparel and accessory stores	56	27.9	27.8	28.0	27.7	-	-	-	-	-	-
Men's and boys' clothing and furnishings	561	30.8	30.3	31.0	30.6	-	-	-	-	-	-
Women's ready-to-wear stores	562	27.0	26.8	27.1	26.7	-	-	-	-	-	-
Family clothing stores	565	28.1	28.0	28.1	27.9	-	-	-	-	-	-
Shoe stores	566	27.7	27.9	27.7	27.4	-	-	-	-	-	-
Furniture and home furnishings stores	57	34.5	34.2	34.4	34.1	-	-	-	-	-	-
Furniture and home furnishings stores	571	34.2	34.0	34.0	33.8	-	-	-	-	-	-
Household appliance stores	572	34.0	34.5	34.5	34.5	-	-	-	-	-	-
Radio, television, and music stores	573	35.2	34.5	35.0	34.3	-	-	-	-	-	-
Eating and drinking places ³	58	26.7	26.2	26.4	25.9	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p
Transportation and public utilities—Continued											
Communication	48	\$11.10	\$11.23	\$11.50	\$11.53	-	\$442.89	\$448.08	\$463.45	\$458.89	-
Telephone communication	481	11.77	11.92	12.29	12.26	-	477.86	482.76	501.43	494.08	-
Radio and television broadcasting	483	9.20	9.38	9.66	9.93	-	345.00	350.81	364.18	368.40	-
Electric, gas, and sanitary services	49	11.77	11.79	12.45	12.44	-	489.63	492.82	520.41	515.02	-
Electric services	491	11.79	11.84	12.53	12.50	-	491.64	494.91	528.77	518.75	-
Gas production and distribution	492	10.77	10.78	11.27	11.39	-	440.49	444.14	465.45	469.27	-
Combination utility services	493	13.65	13.66	14.50	14.39	-	578.76	580.55	606.10	604.38	-
Sanitary services	495	9.12	8.90	9.50	9.48	-	375.74	363.12	391.40	392.47	-
Wholesale trade		8.69	8.68	9.05	8.99	\$9.06	336.30	335.92	351.14	347.91	\$350.62
Durable goods	50	8.68	8.66	9.09	9.03	-	339.39	338.61	357.24	354.88	-
Motor vehicles and automotive equipment	501	7.93	7.94	8.20	8.13	-	309.27	308.87	320.62	316.26	-
Furniture and home furnishings	502	7.59	7.59	7.98	7.90	-	286.14	285.38	303.24	296.25	-
Lumber and construction materials	503	8.42	8.36	8.62	8.57	-	331.75	327.71	339.63	335.09	-
Sporting goods, toys, and hobby goods	504	8.97	8.91	9.83	9.71	-	339.96	342.14	378.46	378.69	-
Metals and minerals, except petroleum	505	9.27	9.25	9.74	9.69	-	374.51	375.55	394.47	393.41	-
Electrical goods	506	9.28	9.27	9.55	9.37	-	360.99	362.46	378.18	368.24	-
Hardware, plumbing, and heating equipment	507	8.20	8.12	8.60	8.52	-	319.80	314.24	332.82	328.02	-
Machinery, equipment, and supplies	508	9.02	9.01	9.57	9.55	-	356.29	354.99	379.93	379.14	-
Miscellaneous durable goods	509	7.48	7.43	7.50	7.46	-	283.49	284.57	286.50	286.46	-
Nondurable goods	51	8.70	8.71	8.99	8.93	-	331.47	330.98	341.62	338.45	-
Paper and paper products	511	9.60	9.48	9.85	9.80	-	358.08	354.55	371.35	363.58	-
Drugs, proprietaries, and sundries	512	9.66	9.53	9.93	9.87	-	361.28	359.28	375.35	373.09	-
Apparel, piece goods, and notions	513	8.24	8.29	8.77	8.77	-	304.88	309.22	319.23	319.23	-
Groceries and related products	514	8.80	8.83	9.18	9.16	-	339.68	340.84	354.35	353.58	-
Chemicals and allied products	516	10.01	10.04	10.53	10.47	-	390.39	392.56	414.88	414.61	-
Petroleum and petroleum products	517	10.15	10.10	9.91	9.79	-	397.88	398.95	393.43	381.81	-
Beer, wine, and distilled beverages	518	10.28	10.48	10.71	10.49	-	365.97	374.14	387.70	376.59	-
Miscellaneous nondurable goods	519	7.05	7.01	7.29	7.34	-	264.38	260.07	271.19	273.78	-
Retail trade		5.79	5.82	5.89	5.89	5.92	173.12	173.44	177.29	174.93	175.82
Building materials and garden supplies	52	6.32	6.32	6.53	6.54	-	226.89	225.62	240.30	238.71	-
Lumber and other building materials	521	6.54	6.55	6.80	6.83	-	240.02	239.08	264.52	263.64	-
Hardware stores	525	5.54	5.52	5.67	5.63	-	186.70	184.37	188.24	185.79	-
General merchandise stores	53	5.67	5.62	5.57	5.62	-	166.13	163.54	164.32	164.10	-
Department stores	531	5.89	5.83	5.74	5.81	-	172.58	169.65	168.76	169.07	-
Variety stores	533	4.35	4.30	4.53	4.49	-	127.89	127.28	133.18	131.56	-
Misc. general merchandise stores	539	4.52	4.48	4.61	4.56	-	137.86	133.50	142.91	139.08	-
Food stores	54	7.62	7.67	7.73	7.73	-	232.41	233.17	238.08	234.22	-
Grocery stores	541	7.91	7.97	7.99	8.00	-	242.05	243.88	247.69	244.00	-
Retail bakeries	546	5.16	5.12	5.27	5.27	-	147.58	148.99	150.20	148.61	-
Automotive dealers and service stations	55	6.82	6.81	7.14	7.06	-	250.98	251.29	264.89	260.51	-
New and used car dealers	551.2	8.14	8.09	8.59	8.41	-	309.32	307.42	326.42	319.58	-
Auto and home supply stores	553	6.09	6.14	6.49	6.44	-	236.29	241.30	260.25	256.31	-
Gasoline service stations	554	5.20	5.21	5.27	5.26	-	178.36	179.75	181.82	179.89	-
Apparel and accessory stores	56	5.05	5.11	5.18	5.18	-	140.90	142.06	145.04	143.49	-
Men's and boys' clothing and furnishings	561	5.77	5.82	5.87	5.85	-	177.72	176.35	181.97	179.01	-
Women's ready-to-wear stores	562	4.76	4.78	4.95	4.97	-	128.52	128.10	134.15	132.70	-
Family clothing stores	565	4.99	5.06	5.07	4.97	-	140.22	141.68	142.47	138.66	-
Shoe stores	566	5.15	5.32	5.23	5.28	-	142.66	148.43	144.87	144.67	-
Furniture and home furnishings stores	57	6.73	6.74	7.02	7.00	-	232.19	230.51	241.49	238.70	-
Furniture and home furnishings stores	571	6.55	6.59	6.94	6.96	-	224.01	224.06	235.96	235.25	-
Household appliance stores	572	7.04	7.00	7.20	7.15	-	239.36	241.50	248.40	246.68	-
Radio, television, and music stores	573	6.96	6.96	7.07	7.00	-	244.99	240.12	247.45	240.10	-
Eating and drinking places ³	58	4.29	4.30	4.33	4.33	-	114.54	112.66	114.31	112.15	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P
Retail trade—Continued											
Miscellaneous retail	59	30.8	30.9	31.5	31.3	-	-	-	-	-	-
Drug stores and proprietary stores	591	28.4	28.5	30.1	29.9	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	29.8	29.4	29.8	29.7	-	-	-	-	-	-
Nonstore retailers	596	34.1	34.4	35.0	34.9	-	-	-	-	-	-
Fuel and ice dealers	598	37.7	38.5	38.1	38.0	-	-	-	-	-	-
Retail stores, nec	599	32.4	32.5	32.1	31.6	-	-	-	-	-	-
Finance, insurance, and real estate⁴		36.4	36.1	36.6	36.4	36.4	-	-	-	-	-
Banking	60	36.6	36.3	36.7	36.3	-	-	-	-	-	-
Commercial and stock savings banks	602	36.5	36.2	36.7	36.3	-	-	-	-	-	-
Credit agencies other than banks	61	37.3	36.8	37.8	37.3	-	-	-	-	-	-
Savings and loan associations	612	36.8	36.1	37.4	36.6	-	-	-	-	-	-
Personal credit institutions	614	37.7	37.4	37.4	37.6	-	-	-	-	-	-
Insurance carriers	63	37.3	37.2	37.4	37.4	-	-	-	-	-	-
Life insurance	631	37.1	37.0	37.0	37.0	-	-	-	-	-	-
Medical service and health insurance	632	37.4	37.8	37.5	38.0	-	-	-	-	-	-
Fire, marine, and casualty insurance	633	37.2	37.0	37.5	37.3	-	-	-	-	-	-
Services		32.7	32.6	32.8	32.6	32.6	-	-	-	-	-
Hotels and other lodging places:											
Hotels, motels, and tourist courts ³	701	31.6	30.6	31.0	30.6	-	-	-	-	-	-
Personal services:											
Laundry, cleaning, and garment services	721	34.3	34.0	34.0	34.5	-	-	-	-	-	-
Beauty shops ³	723	29.1	29.0	29.8	29.6	-	-	-	-	-	-
Business services	73	33.4	33.4	33.6	33.4	-	-	-	-	-	-
Advertising	731	36.4	36.0	36.1	36.0	-	-	-	-	-	-
Services to buildings	734	27.9	27.8	28.7	28.5	-	-	-	-	-	-
Computer and data processing services	737	38.3	38.4	38.7	38.4	-	-	-	-	-	-
Auto repair, services, and garages	75	37.5	37.4	37.8	37.4	-	-	-	-	-	-
Automotive repair shops	753	38.9	38.9	39.2	38.9	-	-	-	-	-	-
Miscellaneous repair services	76	38.3	38.6	38.6	38.5	-	-	-	-	-	-
Motion pictures	78	29.6	29.8	29.4	30.0	-	-	-	-	-	-
Motion picture production and services	781	39.7	39.8	39.2	39.4	-	-	-	-	-	-
Amusement and recreation services	79	29.5	29.2	29.9	29.7	-	-	-	-	-	-
Health services	80	32.5	32.4	32.6	32.4	-	-	-	-	-	-
Offices of physicians	801	31.2	30.9	30.6	30.6	-	-	-	-	-	-
Offices of dentists	802	27.9	27.9	28.5	28.4	-	-	-	-	-	-
Nursing and personal care facilities	805	31.4	31.2	31.9	31.1	-	-	-	-	-	-
Hospitals	806	34.0	33.9	34.2	34.0	-	-	-	-	-	-
Legal services	81	34.8	34.5	34.6	34.6	-	-	-	-	-	-
Miscellaneous services	89	38.7	38.7	38.7	38.8	-	-	-	-	-	-
Engineering and architectural services	891	39.7	39.8	39.7	39.7	-	-	-	-	-	-
Accounting, auditing, and bookkeeping	893	38.1	37.9	37.6	37.8	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^P	Nov. 1984 ^P
Retail trade—Continued											
Miscellaneous retail	59	\$5.72	\$5.73	\$5.81	\$5.79	-	\$176.18	\$177.06	\$183.02	\$181.23	-
Drug stores and proprietary stores	591	5.50	5.51	5.39	5.35	-	156.20	157.04	162.24	159.97	-
Miscellaneous shopping goods stores	594	5.34	5.31	5.56	5.51	-	159.13	156.11	165.69	163.65	-
Nonstore retailers	596	6.11	6.07	6.17	6.09	-	208.35	208.81	215.95	212.54	-
Fuel and ice dealers	598	7.86	8.00	8.10	8.25	-	296.32	308.00	308.61	313.50	-
Retail stores, nec	599	5.92	6.08	6.16	6.16	-	191.81	197.60	197.74	194.66	-
Finance, insurance, and real estate⁴		7.45	7.39	7.76	7.69	\$7.76	271.18	266.78	284.02	279.92	\$282.46
Banking	60	6.42	6.37	6.66	6.64	-	234.97	231.23	244.42	241.03	-
Commercial and stock savings banks	602	6.28	6.24	6.53	6.50	-	229.22	225.89	239.65	235.95	-
Credit agencies other than banks	61	6.59	6.57	6.95	6.85	-	245.81	241.78	262.71	255.51	-
Savings and loan associations	612	5.98	5.94	6.33	6.26	-	220.06	214.43	236.74	229.12	-
Personal credit institutions	614	6.62	6.52	6.76	6.61	-	249.57	243.85	252.82	248.54	-
Insurance carriers	63	8.23	8.24	8.54	8.46	-	306.98	306.53	319.40	316.40	-
Life insurance	631	8.18	8.20	8.31	8.26	-	303.48	303.40	307.47	305.62	-
Medical service and health insurance	632	7.98	7.94	8.44	8.25	-	298.45	300.13	316.50	313.50	-
Fire, marine, and casualty insurance	633	8.31	8.32	8.70	8.65	-	309.13	307.84	326.25	322.65	-
Services		7.43	7.44	7.69	7.70	7.74	242.96	242.54	252.23	251.02	252.32
Hotels and other lodging places:											
Hotels, motels, and tourist courts ³	701	5.35	5.36	5.36	5.39	-	169.06	164.02	166.16	164.93	-
Personal services:											
Laundry, cleaning, and garment services	721	5.47	5.46	5.66	5.63	-	187.62	185.64	192.44	194.24	-
Beauty shops ³	723	5.35	5.39	5.69	5.67	-	155.69	156.31	169.56	167.83	-
Business services	73	7.68	7.70	7.96	7.94	-	256.51	257.18	267.46	265.20	-
Advertising	731	10.02	10.04	10.86	10.50	-	364.73	361.44	392.05	378.00	-
Services to buildings	734	6.02	6.04	6.18	6.13	-	167.96	167.91	177.37	174.71	-
Computer and data processing services	737	10.28	10.27	10.55	10.57	-	393.72	394.37	408.29	405.89	-
Auto repair, services, and garages	75	6.97	7.02	7.18	7.18	-	261.38	262.55	271.40	268.53	-
Automotive repair shops	753	7.51	7.55	7.75	7.76	-	292.14	293.70	303.80	301.86	-
Miscellaneous repair services	76	8.33	8.36	8.64	8.70	-	319.04	322.70	333.50	334.95	-
Motion pictures	78	11.39	11.32	12.22	12.41	-	337.14	337.34	359.27	372.30	-
Motion picture production and services	781	15.01	14.92	16.81	16.69	-	595.90	593.82	658.95	657.59	-
Amusement and recreation services	79	6.80	6.83	6.83	6.96	-	200.60	199.44	204.22	206.71	-
Health services	80	7.51	7.53	7.83	7.84	-	244.08	243.97	255.26	254.02	-
Offices of physicians	801	7.35	7.33	7.71	7.64	-	229.32	226.50	235.93	233.78	-
Offices of dentists	802	7.19	7.21	7.50	7.50	-	200.60	201.16	213.75	213.00	-
Nursing and personal care facilities	805	5.27	5.28	5.42	5.43	-	165.48	164.74	172.90	168.87	-
Hospitals	806	8.28	8.30	8.69	8.72	-	281.52	281.37	297.20	296.48	-
Legal services	81	9.47	9.35	10.07	9.94	-	329.56	322.58	348.42	343.92	-
Miscellaneous services	89	10.95	10.84	11.32	11.21	-	423.77	419.51	438.08	434.95	-
Engineering and architectural services	891	11.74	11.64	12.06	11.99	-	466.08	463.27	478.78	476.00	-
Accounting, auditing, and bookkeeping	893	9.26	9.08	9.62	9.50	-	352.81	344.13	361.71	359.10	-

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

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

³ Money payments only; tips, not included.

⁴ Data for nonoffice sales agents are excluded from all series in this

division.

- Data not available.

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1983 forward are subject to revision.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

C-3. Average hourly earnings, excluding overtime¹ of production workers on manufacturing payrolls

Industry	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p
Manufacturing	\$8.54	\$8.61	\$8.84	\$8.85	\$8.92
Durable goods	9.09	9.14	9.35	9.35	9.41
Lumber and wood products	7.55	7.51	7.82	7.77	(²)
Furniture and fixtures	6.48	6.52	6.72	6.71	(²)
Stone, clay, and glass products	8.89	8.92	9.08	9.10	(²)
Primary metal industries	10.81	10.84	10.89	10.85	(²)
Fabricated metal products	8.81	8.86	9.00	8.98	(²)
Machinery, except electrical	9.30	9.36	9.57	9.60	(²)
Electrical and electronic equipment	8.40	8.43	8.74	8.75	(²)
Transportation equipment	11.27	11.37	11.61	11.64	(²)
Instruments and related products	8.31	8.32	8.64	8.61	(²)
Miscellaneous manufacturing	6.62	6.63	6.81	6.80	(²)
Nondurable goods	7.79	7.86	8.10	8.11	\$8.20
Food and kindred products	7.78	7.90	7.92	7.94	(²)
Tobacco manufactures	9.55	10.44	10.17	10.07	(²)
Textile mill products	5.95	5.98	6.25	6.26	(²)
Apparel and other textile products	5.29	5.31	5.51	5.49	(²)
Paper and allied products	9.54	9.66	9.94	9.96	(²)
Printing and publishing	8.88	8.91	9.13	9.14	(²)
Chemicals and allied products	10.37	10.45	10.78	10.87	(²)
Petroleum and coal products	12.74	12.82	12.87	12.94	(²)
Rubber and misc. plastics products	7.71	7.71	7.94	7.97	(²)
Leather and leather products	5.44	5.46	5.62	5.62	(²)

¹ Derived by assuming that overtime hours are paid at the rate of time and one-half.
² Not available.
^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1983 forward are subject to revision.

C-4. Average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry, in current and constant (1977) dollars.

Industry	Average hourly earnings					Average weekly earnings				
	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p	Oct. 1983	Nov. 1983	Sept. 1984	Oct. 1984 ^p	Nov. 1984 ^p
Total private:										
Current dollars	\$8.16	\$8.16	\$8.43	\$8.41	\$8.44	\$288.05	\$286.42	\$299.27	\$296.03	\$296.24
Constant (1977) dollars	4.92	4.91	4.90	4.89	(²)	173.52	172.44	173.99	172.11	(²)
Mining:										
Current dollars	11.33	11.40	11.66	11.50	\$11.54	489.46	489.06	513.04	496.80	\$503.14
Constant (1977) dollars	6.83	6.86	6.78	6.68	(²)	294.86	294.44	298.28	288.84	(²)
Construction:										
Current dollars	12.06	11.91	12.15	12.14	\$12.03	449.84	432.33	467.78	461.32	\$449.92
Constant (1977) dollars	7.27	7.17	7.06	7.06	(²)	270.99	260.28	271.97	268.21	(²)
Manufacturing:										
Current dollars	8.90	8.97	9.23	9.22	\$9.30	362.23	365.98	375.66	373.41	\$378.51
Constant (1977) dollars	5.36	5.40	5.37	5.36	(²)	218.21	220.34	218.41	217.10	(²)
Transportation and public utilities:										
Current dollars	10.94	11.01	11.27	11.24	\$11.31	432.13	432.69	449.67	441.73	\$445.61
Constant (1977) dollars	6.59	6.63	6.55	6.53	(²)	260.32	260.50	261.44	256.82	(²)
Wholesale trade:										
Current dollars	8.69	8.68	9.05	8.99	\$9.06	336.30	335.92	351.14	347.91	\$350.62
Constant (1977) dollars	5.23	5.23	5.26	5.23	(²)	202.59	202.24	204.15	202.27	(²)
Retail trade:										
Current dollars	5.79	5.82	5.89	5.89	\$5.92	173.12	173.44	177.29	174.93	\$175.82
Constant (1977) dollars	3.49	3.50	3.42	3.43	(²)	104.29	104.42	103.08	101.70	(²)
Finance, insurance, and real estate:										
Current dollars	7.45	7.39	7.76	7.69	\$7.76	271.18	266.78	284.02	279.92	\$282.46
Constant (1977) dollars	4.49	4.45	4.51	4.47	(²)	163.36	160.61	165.13	162.74	(²)
Services:										
Current dollars	7.43	7.44	7.69	7.70	\$7.74	242.96	242.54	252.23	251.02	\$252.32
Constant (1977) dollars	4.48	4.48	4.47	4.47	(²)	146.36	146.02	146.65	145.94	(²)

¹ Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.
² Not available.
^p = preliminary.

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate the earnings series. Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1983 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

C-5. Average weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted

Industry	1983		1984										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. ^P	Nov. ^P
Total private	35.2	35.2	35.4	35.3	35.3	35.4	35.3	35.3	35.2	35.2	35.4	35.1	35.2
Mining	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Construction	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Manufacturing	40.6	40.6	40.9	40.9	40.7	41.1	40.6	40.6	40.5	40.5	40.6	40.4	40.5
<i>Overtime hours</i>	3.3	3.4	3.5	3.5	3.5	3.7	3.3	3.3	3.3	3.3	3.3	3.3	3.4
Durable goods	41.3	41.3	41.6	41.7	41.4	41.8	41.3	41.2	41.2	41.2	41.5	41.2	41.2
<i>Overtime hours</i>	3.5	3.5	3.7	3.8	3.7	4.0	3.5	3.5	3.5	3.4	3.5	3.5	3.6
Lumber and wood products	40.0	40.0	40.6	40.4	40.1	40.4	39.6	39.4	39.3	39.4	40.2	39.6	39.5
Furniture and fixtures	39.8	40.1	40.0	39.9	39.6	39.7	39.7	39.1	39.8	39.1	39.9	39.6	39.8
Stone, clay, and glass products	41.8	41.9	42.1	42.5	41.9	42.3	42.1	41.8	41.9	41.7	42.0	41.8	42.0
Primary metal industries	41.7	41.8	41.9	42.0	41.8	42.2	42.1	41.7	41.5	41.0	41.3	41.4	41.5
Blast furnaces and basic steel products ..	40.8	41.2	41.0	41.3	41.2	41.0	41.6	41.1	39.9	39.6	40.0	40.2	40.6
Fabricated metal products	41.4	41.4	41.6	41.8	41.3	41.8	41.4	41.3	41.3	41.1	41.5	41.3	41.1
Machinery, except electrical	41.3	41.5	41.8	41.9	41.9	42.3	41.9	42.0	41.8	42.0	42.0	41.8	41.5
Electrical and electronic equipment	41.1	41.0	41.2	41.2	41.0	41.3	41.0	40.8	40.8	40.9	41.2	40.9	41.2
Transportation equipment	42.6	42.4	43.2	43.1	42.9	43.5	42.4	42.3	42.2	42.4	42.8	42.4	42.3
Motor vehicles and equipment	44.1	43.9	44.8	44.3	44.4	44.8	42.9	43.1	42.4	43.3	43.9	43.2	43.1
Instruments and related products	40.7	40.8	41.3	41.2	41.1	41.4	40.7	41.3	41.3	41.1	41.5	41.2	41.6
Miscellaneous manufacturing	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Nondurable goods	39.8	39.7	39.9	39.9	39.8	40.2	39.6	39.6	39.4	39.5	39.4	39.3	39.6
<i>Overtime hours</i>	3.1	3.2	3.3	3.3	3.3	3.4	3.1	3.2	3.1	3.1	3.0	2.9	3.2
Food and kindred products	39.6	39.5	39.7	39.7	39.8	40.1	39.7	39.8	39.5	39.7	39.6	39.6	39.8
Tobacco manufactures	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Textile mill products	40.6	40.7	40.6	40.8	40.6	41.2	40.0	40.0	39.8	39.4	39.2	38.7	39.1
Apparel and other textile products	36.7	36.6	36.6	36.9	36.7	37.4	36.5	36.4	35.8	36.0	35.9	36.0	36.2
Paper and allied products	43.1	43.1	43.2	43.2	43.0	43.2	43.1	42.9	43.3	43.1	43.1	43.0	43.2
Printing and publishing	37.9	37.7	37.9	37.9	37.9	38.2	38.0	37.7	37.7	37.8	37.9	37.9	38.1
Chemicals and allied products	41.9	41.9	42.1	42.1	42.0	42.0	41.8	41.9	41.9	42.0	41.8	41.7	41.7
Petroleum and coal products	43.7	44.6	44.8	44.5	44.7	43.7	43.5	43.1	43.2	43.9	43.1	43.5	43.7
Rubber and misc. plastics products	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Leather and leather products	37.2	37.1	37.3	37.2	36.7	37.5	36.5	36.7	37.0	36.0	36.5	36.4	36.4
Transportation and public utilities	39.2	39.4	39.5	39.3	39.2	39.5	39.4	39.6	39.8	39.4	39.8	39.2	39.3
Wholesale trade	38.6	38.6	38.6	38.5	38.5	38.7	38.6	38.6	38.6	38.7	38.8	38.6	38.6
Retail trade	30.0	30.3	30.1	30.0	30.1	30.0	30.1	30.2	29.9	29.9	30.0	29.8	29.9
Finance, insurance, and real estate	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Services	32.7	32.6	32.8	32.7	32.8	32.8	32.7	32.7	32.7	32.6	32.8	32.7	32.7

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

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

components and consequently cannot be separated with sufficient precision.

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1980 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

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

(1977 = 100)

Industry	1983		1984										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. ^P	Nov. ^P
Total private	108.7	109.4	110.3	110.9	110.9	112.0	112.0	112.7	112.6	112.7	113.4	113.2	114.0
Goods-producing	95.6	96.2	97.9	99.2	98.1	100.1	99.5	99.9	99.9	100.1	100.0	99.7	100.3
Mining	109.7	110.4	111.5	112.1	111.7	114.7	115.5	117.1	116.2	118.0	119.2	116.0	117.9
Construction	105.5	105.7	110.3	114.1	107.7	112.6	113.7	116.4	115.3	115.6	117.2	116.2	118.5
Manufacturing	93.0	93.7	94.9	95.7	95.7	97.0	96.0	96.0	96.1	96.2	95.8	95.7	96.0
Durable goods	91.0	92.0	93.4	94.4	94.5	95.8	95.0	95.1	95.5	96.0	96.0	95.8	95.9
Lumber and wood products	95.0	95.6	97.4	97.4	97.8	98.6	96.1	95.8	95.1	95.0	96.4	96.0	95.9
Furniture and fixtures	99.6	101.2	102.0	102.8	102.8	103.1	102.5	101.5	103.6	101.3	102.5	103.1	105.2
Stone, clay, and glass products	86.1	86.5	87.1	89.3	88.2	89.2	89.0	88.6	88.8	88.0	88.4	88.6	89.5
Primary metal industries	72.0	73.0	72.8	73.5	73.2	74.1	74.8	73.9	73.0	72.0	71.1	71.7	71.5
Blast furnaces and basic steel products	62.9	63.5	62.3	62.6	62.4	62.3	63.7	62.7	60.4	58.1	56.9	56.7	57.3
Fabricated metal products	87.5	88.5	89.5	90.4	89.9	91.5	91.3	91.8	92.6	92.4	92.7	92.8	92.7
Machinery, except electrical	88.2	89.5	91.1	92.3	93.3	95.2	95.3	96.5	97.0	98.1	97.3	97.5	96.4
Electrical and electronic equipment	107.2	108.0	109.6	111.2	112.2	113.6	113.2	112.8	113.7	114.9	115.3	114.7	115.9
Transportation equipment	91.1	92.1	95.1	95.9	95.5	96.8	94.1	94.4	94.9	97.8	96.8	95.7	95.3
Motor vehicles and equipment	85.6	88.8	93.0	92.3	91.8	91.8	86.3	87.4	86.7	93.1	89.8	88.4	89.1
Instruments and related products	106.4	106.4	108.5	108.8	108.8	109.3	107.7	109.6	109.9	108.5	109.6	109.6	110.4
Miscellaneous manufacturing	83.3	84.6	85.0	86.5	85.8	86.5	85.3	84.8	85.4	85.5	86.1	85.8	86.4
Nondurable goods	95.9	96.2	97.0	97.5	97.4	98.8	97.4	97.2	96.9	96.5	95.6	95.5	96.1
Food and kindred products	95.9	95.8	97.0	96.9	97.1	98.7	97.7	97.9	98.0	97.5	96.5	97.2	97.3
Tobacco manufactures	90.6	87.1	87.6	86.1	87.6	93.4	92.0	88.7	88.6	93.8	95.8	95.8	98.6
Textile mill products	83.5	84.0	84.5	84.8	84.5	85.7	82.7	82.3	81.1	79.9	78.7	76.6	76.8
Apparel and other textile products	92.5	92.8	93.2	94.4	94.2	96.7	93.9	92.5	90.7	90.8	89.2	89.3	89.5
Paper and allied products	97.6	98.2	98.8	99.4	99.1	99.6	99.3	99.5	100.6	100.1	98.9	98.5	99.4
Printing and publishing	112.7	112.4	113.8	114.1	114.6	116.6	116.6	116.3	117.1	117.4	117.8	118.5	119.1
Chemicals and allied products	95.2	95.5	96.1	96.3	96.1	96.2	95.6	96.1	96.3	96.7	95.9	95.7	96.2
Petroleum and coal products	88.8	89.8	89.4	88.8	88.4	86.5	86.1	84.5	84.7	86.1	84.5	86.1	86.5
Rubber and misc. plastics products	108.4	109.4	111.0	112.5	112.2	113.8	113.1	113.5	113.4	112.7	112.2	112.7	114.9
Leather and leather products	81.2	81.0	81.4	81.2	79.7	81.4	78.3	77.8	78.9	73.7	72.9	72.2	71.3
Service-producing	116.0	116.7	117.2	117.4	117.9	118.6	119.0	119.7	119.7	119.7	120.8	120.7	121.5
Transportation and public utilities	101.7	102.4	103.4	103.1	103.1	104.4	104.3	105.2	106.1	105.7	106.8	105.5	106.5
Wholesale trade	110.1	110.7	111.6	112.0	112.5	113.3	113.5	113.7	114.4	114.9	116.1	116.2	116.5
Retail trade	108.3	109.7	109.3	109.4	109.9	110.3	111.1	111.9	111.0	111.1	111.7	111.8	113.1
Finance, insurance, and real estate	120.6	121.0	122.0	122.1	122.2	123.1	123.1	124.0	124.7	124.2	125.4	124.8	125.4
Services	128.4	128.6	129.4	129.9	130.9	131.4	131.7	132.4	132.5	132.4	134.1	134.2	134.8

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

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1980 forward are subject to revision.

**ESTABLISHMENT DATA
EARNINGS
SEASONALLY ADJUSTED**

C-7. The Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1983		1984										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. ^p	Nov. ^p
Hourly Earnings Index ² (1977 = 100)													
Total private (in current dollars)	157.2	157.8	158.4	158.5	159.1	159.9	159.6	160.3	160.8	160.6	161.6	161.4	162.1
Mining	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Construction	145.2	145.6	146.3	146.2	146.3	146.6	147.0	147.1	146.6	146.6	146.8	146.4	146.8
Manufacturing	159.4	159.7	160.3	160.7	161.2	161.6	162.0	162.3	162.9	163.3	163.4	163.8	164.5
Transportation and public utilities	158.7	159.1	159.9	159.8	160.9	161.3	160.9	162.1	162.6	161.9	163.0	162.9	163.1
Wholesale trade	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Retail trade	152.3	152.7	152.7	152.9	153.2	153.7	153.4	153.8	154.0	153.6	154.0	154.2	154.7
Finance, insurance, and real estate	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Services	158.5	159.4	159.8	159.8	160.8	162.3	161.4	162.5	163.4	162.8	164.7	164.2	164.8
Total private (in constant dollars) ⁴	94.6	94.9	94.8	94.8	95.1	95.4	94.9	95.2	95.2	94.1	94.2	93.9	(⁵)
Average hourly earnings													
Total private	\$8.14	\$8.17	\$8.21	\$8.23	\$8.25	\$8.31	\$8.29	\$8.33	\$8.35	\$8.34	\$8.40	\$8.38	\$8.43
Mining	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Construction	\$11.93	\$11.96	\$11.97	\$11.95	\$11.97	\$12.03	\$12.07	\$12.07	\$12.04	\$12.05	\$12.05	\$12.02	\$12.05
Manufacturing	8.97	8.99	9.03	9.06	9.09	9.11	9.12	9.15	9.17	9.20	9.22	9.25	9.30
Transportation and public utilities	10.93	10.96	11.02	10.99	11.08	11.11	11.09	11.16	11.22	11.16	11.23	11.21	11.23
Wholesale trade	8.70	8.74	8.76	8.76	8.82	8.88	8.85	8.94	8.98	8.97	9.05	9.00	9.08
Retail trade	5.82	5.83	5.84	5.84	5.87	5.89	5.87	5.89	5.89	5.88	5.90	5.90	5.92
Finance, insurance, and real estate	7.39	7.47	7.49	7.47	7.54	7.62	7.53	7.61	7.64	7.57	7.78	7.70	7.53
Services	7.41	7.44	7.48	7.50	7.52	7.60	7.56	7.59	7.64	7.62	7.69	7.68	7.72
Average weekly earnings													
Total private:													
In current dollars	286.53	287.58	290.63	290.52	291.23	294.17	292.64	294.05	293.92	293.57	297.36	294.14	296.74
In constant (1977) dollars ⁴	172.40	172.93	173.93	173.65	174.08	175.52	173.98	174.61	173.92	171.98	173.39	171.21	(⁵)

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

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

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

components and consequently cannot be separated with sufficient precision.

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

⁵ Not available.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1980 forward are subject to revision.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P
Alabama	41.6	41.0	40.9	\$7.61	\$8.06	\$8.11	\$316.58	\$330.46	\$331.70
Birmingham	41.2	42.0	41.1	7.92	8.29	8.27	326.30	348.18	339.90
Mobile	42.6	42.4	41.7	9.67	9.76	9.73	411.94	413.82	405.74
Alaska	31.5	31.8	(¹)	15.02	12.60	(¹)	473.13	400.68	(¹)
Arizona	40.9	40.9	40.9	9.04	9.00	8.92	369.74	368.10	364.83
Arkansas	40.9	40.7	40.1	7.10	7.44	7.41	290.39	302.81	297.14
Fayetteville-Springdale	41.9	41.3	41.0	6.41	6.69	6.66	268.58	276.30	273.06
Fort Smith	40.0	42.1	39.8	7.32	7.68	7.50	292.80	323.33	298.50
Little Rock-North Little Rock	41.8	40.9	40.8	8.01	8.45	8.44	334.82	345.61	344.35
Pine Bluff	42.5	41.9	42.3	9.26	9.55	9.53	393.55	400.15	403.12
California	40.3	40.2	40.0	9.58	9.87	9.80	386.07	396.77	392.00
Colorado	40.3	40.8	40.6	8.99	9.31	9.28	362.30	379.85	376.77
Denver-Boulder	40.4	40.7	40.6	9.39	9.71	9.71	379.36	395.20	394.23
Connecticut	42.0	42.5	42.5	8.92	9.28	9.32	374.64	394.40	396.10
Bridgeport	42.4	41.0	41.1	9.40	9.71	9.83	398.56	398.11	404.01
Hartford	41.7	42.7	42.8	9.50	9.91	9.94	396.15	423.16	425.43
New Britain	42.1	43.1	42.4	9.24	9.75	9.76	389.00	420.22	413.82
New Haven-West Haven	40.3	41.4	40.9	8.84	9.08	8.96	356.25	375.91	366.46
Stamford	40.1	44.2	44.0	8.67	8.95	9.02	347.67	395.59	396.88
Waterbury	44.1	43.9	44.4	7.61	7.91	7.92	335.60	347.25	351.65
Delaware	40.6	41.3	41.7	8.98	8.98	9.39	364.59	370.87	391.56
Wilmington	41.0	41.7	43.0	10.54	10.58	10.91	432.14	441.19	469.13
District of Columbia:									
Washington SMSA	39.8	40.5	39.4	9.88	10.36	10.19	393.22	419.58	401.49
Florida	41.2	40.8	40.9	7.47	7.79	7.78	307.76	317.83	318.20
Fort Lauderdale-Hollywood	43.1	42.2	43.5	7.00	7.46	7.45	301.70	314.81	324.08
Jacksonville	40.9	41.4	40.5	7.95	8.46	8.25	325.16	350.24	334.13
Lakeland-Winter Haven	41.6	41.5	42.5	7.55	7.95	7.90	314.08	329.93	335.75
Miami	38.3	39.1	40.1	6.22	6.62	6.59	238.23	258.84	264.26
Orlando	42.5	41.9	41.9	7.68	7.87	7.86	326.40	329.75	329.33
Pensacola	42.5	42.4	41.5	9.08	9.18	9.18	385.90	389.23	380.97
Tampa-St. Petersburg	41.1	41.4	41.0	7.38	7.56	7.51	303.32	312.98	307.91
West Palm Beach-Boca Raton	40.9	39.9	40.7	7.70	7.61	7.62	314.93	303.64	310.13
Georgia	41.8	41.0	41.0	7.22	7.63	7.68	301.80	312.83	314.88
Atlanta	41.3	40.0	40.2	8.66	9.07	9.10	357.66	362.80	365.82
Savannah	44.9	45.0	45.0	9.38	10.02	10.16	421.16	450.90	457.20
Hawaii	38.1	37.1	36.7	8.37	8.19	8.31	318.90	303.85	304.98
Honolulu	37.2	38.0	36.8	8.50	8.26	8.48	316.20	313.88	312.06
Idaho	37.8	37.9	36.1	9.01	9.53	9.45	340.58	361.19	341.15
Illinois	41.1	41.3	41.1	9.82	10.17	9.97	403.60	420.02	409.77
Bloomington-Normal	40.4	40.0	39.4	9.46	9.99	10.17	382.18	399.60	400.70
Champaign-Urbana-Rantoul	38.0	39.3	40.7	9.51	9.40	9.33	361.38	369.42	379.73
Chicago SMSA	41.1	41.6	40.3	9.65	10.00	9.95	396.62	416.00	400.99
Davenport-Rock Island-Moline	39.6	39.2	39.8	12.27	12.42	12.47	485.89	486.86	496.31
Decatur	40.4	40.6	39.3	12.74	12.97	13.24	514.70	526.58	520.33
Kankakee	39.3	38.1	37.2	8.44	10.15	10.19	331.69	386.72	379.07
Peoria	41.3	41.9	41.7	12.08	12.54	12.42	498.90	525.43	517.91
Rockford	42.7	42.9	42.0	9.98	10.47	10.27	426.15	449.16	431.34
Springfield	42.5	43.3	43.5	11.06	11.61	11.74	470.05	502.71	510.69
Indiana	41.6	41.9	41.6	10.18	10.44	10.45	423.49	437.44	434.72
Gary-Hammond-East Chicago	40.7	41.5	40.5	12.86	13.29	13.24	523.40	551.54	536.22
Indianapolis	42.0	42.6	42.6	10.16	10.74	10.70	426.72	457.52	455.82

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P
Iowa	39.8	40.8	40.2	\$10.12	\$10.25	\$10.17	\$402.78	\$418.20	\$408.83
Cedar Rapids	41.4	42.1	40.8	10.49	11.19	11.01	434.29	471.10	449.21
Des Moines	39.7	41.8	41.4	12.01	12.53	12.42	476.80	523.75	514.19
Dubuque	41.3	42.0	40.9	10.63	10.89	10.72	439.02	457.38	438.45
Sioux City	38.6	40.2	39.1	8.43	8.48	8.43	325.40	340.90	329.61
Waterloo-Cedar Falls	38.5	39.8	40.1	13.18	12.62	12.70	507.43	502.28	509.27
Kansas	39.5	39.2	39.6	9.53	9.47	9.42	376.44	371.22	373.03
Topeka	39.4	40.9	40.4	9.79	10.24	10.49	385.73	418.82	423.80
Wichita	40.1	38.4	41.2	10.40	9.83	9.77	417.04	377.47	402.52
Kentucky	39.7	39.0	39.1	8.91	9.34	9.43	353.73	364.26	368.71
Lexington-Fayette	40.3	39.8	39.9	9.48	9.77	9.84	382.04	388.85	392.62
Louisville	40.4	40.2	(¹)	10.09	10.55	(¹)	407.64	424.11	(¹)
Louisiana	39.7	42.0	41.1	9.82	10.08	9.92	389.85	423.36	407.71
Baton Rouge	42.9	42.8	39.6	11.28	11.79	11.47	483.91	504.61	454.21
New Orleans	38.8	40.9	40.4	9.10	9.26	9.03	353.08	378.73	364.81
Shreveport	39.2	42.2	41.4	9.40	9.95	10.26	368.48	419.89	424.76
Maine	40.0	40.2	39.8	7.67	8.20	8.27	306.80	329.64	329.15
Lewiston-Auburn	39.8	37.2	37.3	6.17	6.69	6.68	245.57	248.87	249.16
Portland	38.2	38.3	38.2	7.73	8.06	8.14	295.29	308.70	310.95
Maryland	40.5	41.2	40.9	9.02	9.45	9.48	365.31	389.34	387.73
Baltimore	40.0	41.5	41.2	9.44	9.90	9.93	377.60	410.85	409.12
Massachusetts	39.8	40.5	39.2	8.15	8.59	8.71	324.37	347.90	341.43
Boston	39.8	40.5	40.1	8.79	9.39	9.45	349.84	380.30	378.95
Brockton	38.4	39.5	37.8	6.31	6.62	6.72	242.30	261.49	254.02
Fall River	36.5	37.7	36.1	6.85	6.76	6.95	250.03	254.85	250.90
Lawrence-Haverhill	40.0	40.7	39.5	8.33	8.69	8.59	333.20	353.68	339.31
Lowell	40.4	40.4	38.8	7.60	8.09	8.18	307.04	326.84	317.38
New Bedford	35.7	40.2	38.0	7.31	7.80	7.88	260.97	313.56	299.44
Springfield-Chicopee-Holyoke	41.3	41.9	41.2	8.16	8.55	8.59	337.01	358.25	353.91
Worcester	39.7	39.7	38.9	8.38	8.83	8.89	332.69	350.55	345.82
Michigan	43.3	43.1	43.3	11.76	12.27	12.30	508.70	529.27	532.86
Ann Arbor	43.9	44.5	45.7	12.17	13.10	13.18	534.24	583.15	601.75
Battle Creek	41.3	42.0	41.5	12.14	12.66	12.60	501.68	531.49	523.13
Bay City	44.0	43.1	42.9	10.22	10.59	10.53	449.75	456.15	451.77
Detroit	43.2	44.1	44.1	12.49	12.92	12.95	539.82	568.97	571.29
Flint	48.0	43.6	44.3	13.35	14.19	14.17	640.50	618.71	628.18
Grand Rapids	42.0	41.6	41.7	10.08	10.46	10.37	423.23	435.16	432.01
Jackson	42.9	43.0	42.9	9.76	10.09	9.98	418.68	434.25	428.25
Kalamazoo-Portage	42.8	41.0	41.7	11.09	11.48	11.28	474.87	470.67	469.75
Lansing-East Lansing	43.4	44.7	44.8	13.23	13.70	13.86	574.70	612.95	620.77
Muskegon-Norton Shores-Muskegon Heights	40.5	40.9	40.6	10.36	10.80	10.73	420.04	441.62	436.02
Saginaw	43.4	44.1	43.9	13.91	14.33	14.43	603.96	631.97	633.04
Minnesota	40.6	40.0	40.0	9.62	9.64	9.70	390.57	385.60	388.00
Duluth-Superior	37.9	39.5	38.6	10.28	10.61	10.61	389.61	419.10	409.55
Minneapolis-St. Paul	40.7	40.7	40.5	10.27	10.31	10.36	417.99	419.62	419.58
St. Cloud	37.0	40.3	40.4	8.50	9.04	8.95	314.50	364.31	361.58
Mississippi	40.7	40.8	40.3	6.80	7.00	6.96	276.76	285.60	280.49
Jackson	41.1	42.1	41.1	7.76	8.35	8.16	318.94	351.54	335.38
Missouri	40.8	40.4	40.4	8.99	9.44	9.44	366.79	381.38	381.38
Kansas City	40.7	41.3	41.0	10.22	10.59	10.60	415.95	437.37	434.60
St. Joseph	39.0	39.4	39.9	8.23	8.58	8.39	320.97	338.05	334.76
St. Louis	40.7	40.4	40.7	10.21	10.90	10.92	415.55	440.36	444.44
Springfield	39.6	40.8	38.4	8.20	8.22	8.23	324.72	335.38	316.03
Montana	40.6	39.9	38.4	10.33	10.67	10.57	419.40	425.73	405.89
Nebraska	41.0	41.1	40.3	8.75	9.06	8.91	358.75	372.37	359.07
Lincoln	40.4	41.7	40.2	9.05	9.55	9.36	365.62	398.24	376.27
Omaha	40.6	41.3	39.9	9.07	9.54	9.33	368.24	394.00	372.27

See footnotes at end of table.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Oct. 1983	Sept. 1984	Oct. 1984 ^p	Oct. 1983	Sept. 1984	Oct. 1984 ^p	Oct. 1983	Sept. 1984	Oct. 1984 ^p
Nevada	38.9	39.3	39.4	\$9.20	\$9.30	\$9.33	\$357.88	\$365.49	\$367.60
Las Vegas	39.1	39.7	40.1	11.53	11.53	12.17	450.82	457.74	488.02
New Hampshire	40.5	41.1	40.9	7.57	7.87	7.97	306.59	323.46	325.97
Manchester	39.6	40.9	40.0	7.14	7.65	7.72	282.74	312.89	308.80
Nashua	41.0	40.8	40.3	9.07	9.28	9.53	371.87	378.62	384.06
New Jersey	41.2	41.4	41.5	9.18	9.39	9.41	378.22	388.75	390.52
Atlantic City	38.2	39.2	(¹)	7.12	8.24	(¹)	310.01	323.01	(¹)
Camden	39.8	40.1	(¹)	9.16	9.50	(¹)	364.57	380.95	(¹)
Hackensack	40.3	41.2	(¹)	8.14	8.59	(¹)	328.04	353.91	(¹)
Jersey City	40.8	40.2	(¹)	8.63	8.78	(¹)	352.10	352.96	(¹)
New Brunswick-Perth Amboy-Sayreville	42.4	41.7	(¹)	10.00	10.17	(¹)	424.00	424.09	(¹)
Newark	41.2	41.2	(¹)	9.31	9.65	(¹)	383.57	397.58	(¹)
Paterson-Clifton-Passaic	41.5	42.3	(¹)	9.01	9.60	(¹)	373.92	406.08	(¹)
Trenton	41.4	42.4	(¹)	9.22	10.02	(¹)	381.71	424.85	(¹)
New Mexico	38.2	39.7	40.0	7.74	7.95	7.94	295.67	315.62	317.60
Albuquerque	38.9	39.4	39.3	7.52	7.81	7.75	292.53	307.71	304.58
New York	39.8	39.9	40.0	8.93	9.24	9.29	355.41	368.68	371.60
Albany-Schenectady-Troy	41.0	41.0	40.8	9.16	9.64	9.72	375.56	395.24	396.58
Binghamton	40.6	41.0	40.9	7.99	8.18	8.12	324.39	335.38	332.11
Buffalo	41.6	41.4	41.9	11.36	11.56	11.60	472.58	478.58	486.04
Elmira	39.8	39.8	41.3	9.17	8.92	9.04	364.97	355.02	373.35
Glens Falls	40.0	39.3	40.7	9.05	9.33	9.47	362.00	366.67	385.43
Monroe County	42.1	43.2	43.1	11.73	11.96	11.98	493.83	516.67	516.34
Nassau-Suffolk	40.4	40.5	41.0	8.85	9.14	9.13	357.54	370.17	374.33
Newburgh-Middletown	38.7	39.6	38.7	6.50	7.15	7.07	251.55	283.14	273.61
New York-Northeastern New Jersey	39.5	(¹)	(¹)	8.76	(¹)	(¹)	346.02	(¹)	(¹)
New York and Nassau-Suffolk	38.1	38.1	38.2	8.32	8.60	8.66	316.99	327.66	330.81
New York SMSA	37.4	37.3	37.3	8.15	8.40	8.49	304.81	313.32	316.68
New York City	37.2	36.9	36.9	8.02	8.31	8.42	298.34	306.64	310.70
Poughkeepsie	42.1	43.9	43.2	8.57	8.55	8.47	360.80	375.35	365.90
Rochester	42.3	42.6	42.7	10.75	11.02	11.01	454.73	469.45	470.13
Rockland County	40.6	40.5	39.9	9.24	9.49	9.60	375.14	384.35	383.04
Syracuse	40.9	40.8	41.8	9.81	10.60	10.57	401.23	432.48	441.83
Utica-Rome	39.7	41.5	41.3	8.44	8.46	8.44	335.07	351.09	348.57
Westchester County	39.0	40.3	40.4	9.05	8.80	8.69	352.95	354.64	351.08
North Carolina	41.0	39.3	39.7	6.72	7.06	7.08	275.52	277.46	281.08
Asheville	40.1	41.1	41.3	6.64	7.02	7.14	266.26	288.52	294.88
Charlotte-Gastonia	42.2	40.7	40.4	6.62	7.09	7.05	279.36	288.56	284.82
Greensboro-Winston-Salem-High Point	39.6	39.0	39.0	7.39	7.76	7.81	292.64	302.64	304.59
Raleigh-Durham	41.5	41.5	42.0	7.93	8.15	8.09	329.10	338.23	339.78
North Dakota	39.8	39.2	38.5	7.63	7.93	7.83	303.67	310.86	301.46
Fargo-Moorhead	41.0	38.6	37.8	7.79	8.35	8.15	319.39	322.31	308.07
Ohio	42.0	42.4	42.1	10.72	10.98	11.00	450.24	465.55	463.10
Akron	43.2	43.2	42.8	10.82	10.82	10.89	467.42	467.42	466.09
Canton	40.2	41.0	40.8	10.78	10.77	10.86	433.36	441.57	443.09
Cincinnati	41.3	42.2	41.9	10.23	10.54	10.64	422.50	444.79	445.82
Cleveland	41.5	42.0	42.1	10.55	10.91	10.91	437.83	458.22	459.31
Columbus	41.0	40.8	40.6	10.11	10.36	10.30	414.51	422.69	418.18
Dayton	42.7	43.1	42.5	10.86	11.26	11.15	463.72	485.31	473.88
Toledo	43.9	43.9	44.3	11.43	11.73	11.86	501.78	514.95	525.40
Youngstown-Warren	43.9	43.6	43.0	12.58	12.89	12.86	552.26	562.00	552.98
Oklahoma	41.3	41.4	39.9	9.32	9.85	9.71	384.92	407.79	387.43
Oklahoma City	41.4	40.8	44.3	9.84	10.26	9.46	407.38	418.61	419.08
Tulsa	41.0	40.8	40.9	9.99	10.47	10.38	409.59	427.18	424.54
Oregon	39.6	40.2	38.6	10.07	10.33	10.31	398.77	415.27	397.97
Eugene-Springfield	39.2	39.6	37.3	10.37	10.66	10.72	406.50	422.14	399.86
Medford	39.3	41.4	40.1	9.85	9.94	9.94	387.11	411.52	398.59
Portland	39.7	40.6	38.8	10.48	10.63	10.54	416.06	431.58	408.95
Salem	36.4	38.9	37.9	8.03	8.05	7.99	292.29	313.15	302.82

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P
Pennsylvania	39.8	40.3	40.0	\$9.02	\$9.41	\$9.39	\$359.00	\$379.22	\$375.60
Allentown-Bethlehem-Easton	38.6	39.7	39.5	9.38	10.07	10.10	362.07	399.78	398.95
Altoona	39.4	39.2	39.5	7.75	8.18	8.16	305.35	320.66	322.32
Delaware Valley	39.8	40.3	40.3	9.46	9.80	9.82	376.51	394.94	395.75
Erie	39.4	42.6	42.7	9.60	10.05	9.99	378.24	428.13	426.57
Harrisburg	40.6	40.4	40.2	8.55	9.06	9.07	347.13	366.02	364.61
Johnstown	37.2	37.0	35.4	8.19	8.20	8.09	304.67	303.40	286.39
Lancaster	40.4	40.2	39.9	8.42	8.81	8.77	340.17	354.16	349.92
Northeast Pennsylvania	37.3	37.4	37.3	7.43	7.83	7.83	277.14	292.84	292.06
Philadelphia SMSA	39.8	40.4	(¹)	9.49	9.76	(¹)	377.70	394.30	(¹)
Pittsburgh	40.2	40.7	40.3	10.85	10.97	10.92	436.17	446.48	440.08
Reading	41.1	40.5	39.8	8.94	9.50	9.52	367.43	384.75	378.90
Williamsport	39.4	40.0	38.7	7.79	8.19	8.16	306.93	327.60	315.79
York	41.4	41.4	41.3	8.20	8.74	8.72	339.48	361.84	360.14
Rhode Island	39.4	40.3	39.7	6.99	7.15	7.16	275.41	288.15	284.25
Providence-Warwick-Pawtucket	39.5	39.9	39.2	6.92	7.04	7.06	273.34	280.90	276.75
South Carolina	41.4	40.8	40.9	7.11	7.36	7.33	294.35	300.29	299.80
Charleston-North Charleston	42.6	42.0	41.5	8.61	8.92	8.83	366.79	374.64	366.44
Columbia	39.7	40.9	40.7	6.88	7.30	7.28	273.14	298.57	296.30
Greenville-Spartanburg	41.5	40.1	40.1	6.77	7.10	7.15	280.96	284.71	286.72
South Dakota	40.4	42.7	41.9	6.98	7.18	6.96	281.99	306.59	291.62
Sioux Falls	43.7	46.4	46.2	6.90	6.91	7.09	301.53	320.62	327.56
Tennessee	41.1	40.9	40.6	7.60	7.88	7.84	312.36	322.29	318.30
Chattanooga	41.5	41.4	42.6	7.14	7.41	7.41	296.31	306.77	315.67
Knoxville	40.9	40.3	40.7	8.94	9.28	9.23	365.65	373.98	375.66
Memphis	41.5	40.1	39.6	8.07	8.29	8.33	334.90	332.43	329.87
Nashville-Davidson	41.4	41.8	41.6	8.49	9.09	9.08	351.49	379.96	377.73
Texas	41.5	41.9	41.5	8.96	9.18	9.13	371.84	384.64	378.90
Dallas-Fort Worth	41.4	41.9	41.2	8.83	8.97	8.93	365.56	375.84	367.92
Houston	42.3	44.1	43.3	10.76	10.97	10.92	455.15	483.78	472.84
San Antonio	41.3	41.3	40.5	6.64	6.81	6.74	274.23	281.25	272.97
Utah	40.2	39.8	39.9	8.75	9.00	9.00	351.75	358.20	359.10
Salt Lake City-Ogden	40.9	39.7	40.3	8.56	8.98	8.93	350.10	356.51	359.88
Vermont	40.8	41.6	41.1	7.72	8.10	8.13	314.98	336.96	334.14
Burlington	42.3	43.5	42.9	8.65	9.06	8.98	365.90	394.11	385.24
Springfield	40.1	41.6	42.3	8.05	8.30	8.26	322.80	345.28	349.40
Virginia	40.5	40.4	40.1	7.85	8.17	8.19	317.93	330.07	328.42
Bristol	39.7	39.8	41.4	6.47	7.01	6.86	256.86	279.00	284.00
Charlottesville	40.0	38.6	38.4	6.78	6.97	7.00	271.20	269.04	268.80
Danville	41.5	39.0	39.7	7.18	7.32	7.37	297.97	285.48	292.59
Lynchburg	40.2	39.8	40.2	7.48	7.85	7.72	300.70	312.43	310.34
Norfolk-Virginia Beach-Portsmouth	43.5	42.4	42.0	8.34	8.61	8.61	362.79	365.06	361.62
Northern Virginia	40.9	41.2	40.7	8.68	8.71	8.61	355.01	358.85	350.43
Petersburg-Colonial Heights-Hopewell	39.3	42.4	42.6	10.17	10.36	10.29	399.68	439.26	438.35
Richmond	40.0	41.3	41.0	10.23	10.45	10.57	409.20	431.59	433.37
Roanoke	41.4	41.6	41.4	7.02	7.43	7.44	290.63	309.09	308.02
Washington	39.3	(¹)	(¹)	11.39	(¹)	(¹)	447.63	(¹)	(¹)
West Virginia	39.4	40.4	39.8	9.75	9.95	9.96	384.15	401.98	396.41
Charleston	42.6	43.1	42.6	11.88	12.18	12.67	506.09	524.96	539.74
Huntington-Ashland	38.8	39.2	38.7	11.06	11.24	11.39	429.13	440.61	440.79
Parkersburg-Marietta	41.1	41.7	40.7	10.73	11.03	11.01	441.00	459.95	448.11
Wheeling	37.6	40.6	41.0	11.27	11.42	10.90	423.75	463.65	446.90

See footnotes at end of table.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P
Wisconsin	41.1	41.2	40.7	\$9.82	\$9.92	\$9.94	\$403.60	\$408.70	\$404.56
Appleton-Oshkosh	42.3	42.7	42.3	9.49	9.73	9.82	401.43	415.47	415.39
Eau Claire	41.9	41.2	41.8	9.51	9.92	10.12	398.47	408.70	423.02
Green Bay	41.4	41.3	41.1	10.28	10.48	10.49	425.59	432.82	431.14
Janesville-Beloit	44.7	40.4	38.2	11.39	11.67	10.37	509.13	471.47	396.13
Kenosha	41.3	40.4	39.2	11.84	11.84	11.81	488.99	478.34	462.95
La Crosse	38.7	38.8	39.0	9.03	8.82	8.80	349.46	342.22	343.20
Madison	40.2	43.5	41.5	9.47	9.06	9.45	380.69	394.11	392.17
Milwaukee	41.2	41.3	40.8	10.83	11.29	11.28	446.20	466.28	460.22
Racine	41.2	39.5	40.0	10.31	10.81	10.70	424.77	426.99	428.00
Sheboygan	40.4	40.1	40.3	9.21	9.65	9.65	372.08	386.96	388.89
Wausau	42.1	42.3	42.0	9.28	9.40	9.52	390.69	397.62	399.84
Wyoming	37.9	42.7	40.0	8.74	9.12	8.65	331.25	389.42	346.00
Puerto Rico	39.7	39.1	38.2	4.88	5.05	5.04	193.74	197.46	192.53
Virgin Islands	41.6	42.3	42.1	10.32	8.93	8.94	429.31	377.74	376.37

¹ Not available.

^P = preliminary.

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

benchmarks except Gary-Hammond-East Chicago and Indianapolis, Indiana; New York-Northeastern New Jersey, New York; Wisconsin and Idaho. Idaho data have been adjusted to March 1984 benchmarks.

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

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

Industry	Millions of hours (annual rate) ¹			Percent change		
	Sept. 1984 ^r	Oct. 1984 ^r	Nov. 1984 ^p	Nov. 1983 to Nov. 1984 ^p	Sept. 1984 to Oct. 1984 ^r	Oct. 1984 to Nov. 1984 ^p
Total	178,869	178,389	177,245	3.8	-0.3	-0.6
Private sector	146,553	146,237	147,025	4.8	-2	.5
Mining	2,302	2,251	2,284	6.7	-2.2	1.5
Construction	8,645	8,559	8,678	11.6	-1.0	1.4
Manufacturing	41,077	41,101	41,174	3.4	.1	.2
Durable goods	24,840	24,857	24,884	5.3	.1	.1
Nondurable goods	16,237	16,244	16,291	.6	.0	.3
Transportation and public utilities	10,809	10,699	10,759	4.4	-1.0	.6
Wholesale trade	11,269	11,260	11,284	5.3	-1	.2
Retail trade	25,465	25,508	25,807	4.7	.2	1.2
Finance, insurance, and real estate	10,930	10,828	10,866	4.2	-9	.3
Services	36,056	36,031	36,174	5.1	-1	.4
Government	32,316	32,152	30,219	-7	-5	-6.0

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

^p = preliminary.

^r = revised.

NOTE: Data refer to hours of all employees—production workers,

nonsupervisory workers, and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods*, BLS Bulletin 2134-1, chapter 13, Productivity Measures: Business Economy and Major Sectors.

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

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

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

(1977 = 100)

Item	Annual average		Quarterly index										
	1982	1983	1982				1983				1984		
			I	II	III	IV	I	II	III	IV	I	II	III
Business sector													
Output per hour of all persons	100.9	103.7	100.9	100.3	100.9	101.6	102.2	103.6	104.3	104.7	105.7	107.0	107.3
Output	106.3	111.0	107.1	106.4	106.1	105.8	106.9	110.1	112.5	114.7	117.8	121.0	121.6
Hours	105.4	107.1	106.1	106.1	105.1	104.1	104.7	106.2	107.9	109.5	111.4	113.0	113.3
Compensation per hour	155.0	161.7	151.4	153.9	156.7	158.4	160.2	161.0	161.8	164.2	166.7	167.5	169.4
Real compensation per hour	97.3	98.4	96.9	97.2	97.3	98.0	99.0	98.5	98.0	98.4	98.6	98.2	98.4
Unit labor costs	153.6	156.0	150.0	153.4	155.3	155.9	156.8	155.4	155.1	156.8	157.7	156.5	157.9
Unit nonlabor payments	136.8	145.5	138.0	137.0	135.8	136.5	139.8	144.6	147.9	149.1	151.6	157.2	158.3
Implicit price deflator	147.9	152.4	145.9	147.9	148.7	149.3	151.0	151.7	152.7	154.2	155.6	156.7	158.0
Nonfarm business sector													
Output per hour of all persons	100.0	103.4	99.8	99.4	100.3	100.5	101.6	103.6	104.1	104.4	105.2	106.6	106.4
Output	105.9	111.2	106.4	106.0	106.0	105.2	106.7	110.4	112.7	115.2	118.0	121.0	121.3
Hours	106.0	107.5	106.7	106.7	105.7	104.7	105.1	106.5	108.2	110.3	112.3	113.6	114.1
Compensation per hour	154.5	162.0	151.0	153.2	156.0	157.9	160.1	161.5	162.4	164.0	166.5	168.0	169.5
Real compensation per hour	97.0	98.6	96.7	96.8	96.9	97.7	99.0	98.8	98.3	96.2	98.5	98.5	98.5
Unit labor costs	154.5	156.6	151.4	154.2	155.6	157.1	157.6	155.9	155.9	157.1	158.3	157.6	159.4
Unit nonlabor payments	136.9	147.0	136.9	137.5	136.8	136.4	140.6	146.4	149.4	151.4	152.2	156.8	157.8
Implicit price deflator	148.6	153.4	146.5	148.6	149.3	150.2	151.9	152.7	153.8	155.2	156.3	157.3	158.8
Manufacturing													
Output per hour of all persons	107.1	111.6	105.5	106.3	108.8	107.8	109.1	110.8	113.4	113.1	114.2	115.3	117.5
Output	99.3	104.4	100.6	100.0	99.7	96.7	98.4	102.4	107.2	109.6	113.0	115.4	117.5
Hours	92.7	93.5	95.4	94.1	91.7	89.6	90.2	92.4	94.6	96.9	98.9	100.1	100.0
Compensation per hour	158.0	163.4	154.3	157.2	159.8	161.0	162.7	163.0	163.5	164.6	167.1	168.3	169.9
Real compensation per hour	99.2	99.4	98.8	99.4	99.2	99.6	100.6	99.7	99.0	98.6	98.9	98.7	98.7
Unit labor costs	147.6	146.4	146.2	148.0	146.9	149.3	149.1	147.0	144.1	145.5	146.4	146.0	144.5
Durable goods													
Output per hour of all persons	105.6	111.5	103.6	104.7	107.6	106.6	108.5	110.8	113.5	113.1	115.1	116.0	118.3
Output	97.1	102.6	99.3	98.3	97.4	93.2	95.6	100.1	105.7	109.0	113.9	116.5	119.4
Hours	91.9	92.0	95.9	93.9	90.5	87.4	88.1	90.4	93.2	96.4	98.9	100.4	100.9
Compensation per hour	157.6	162.5	153.7	156.8	159.7	160.7	162.2	162.2	162.5	163.4	165.8	167.0	168.0
Real compensation per hour	99.0	98.9	98.5	99.1	99.2	99.4	100.3	99.2	98.4	97.8	98.1	97.9	97.7
Unit labor costs	149.3	145.8	148.4	149.7	148.4	150.7	149.5	146.5	143.2	144.4	144.0	144.0	142.0
Nondurable goods													
Output per hour of all persons	109.2	111.9	108.5	108.5	110.4	109.6	110.0	110.9	113.3	113.2	112.8	114.3	116.2
Output	102.5	107.1	102.6	102.5	103.1	101.9	102.6	105.7	109.5	110.5	111.7	113.8	114.7
Hours	93.9	95.7	94.6	94.4	93.4	93.0	93.3	95.3	96.6	97.6	99.0	99.5	98.6
Compensation per hour	159.0	165.6	154.9	158.0	160.5	162.7	164.5	165.1	165.7	167.1	169.5	170.6	172.7
Real compensation per hour	99.8	100.7	99.2	99.9	99.7	100.7	101.7	101.0	100.3	100.1	100.3	100.0	100.3
Unit labor costs	145.6	148.0	142.8	145.6	145.4	148.5	149.6	148.8	146.2	147.6	150.2	149.2	148.5
Nonfinancial corporations¹													
Output per all-employee hour	102.6	106.1	102.2	102.1	103.3	103.2	104.0	105.8	107.2	107.2	108.1	108.9	108.3
Output	107.7	112.6	108.7	108.0	107.9	106.4	107.5	111.4	114.7	117.0	120.2	123.1	123.3
Hours	105.0	106.2	106.4	105.8	104.5	103.1	103.4	105.2	106.9	109.2	111.2	113.1	113.8
Compensation per hour	154.6	161.0	151.1	153.5	156.2	157.7	159.2	160.6	161.8	162.6	164.8	165.8	167.2
Real compensation per hour	97.0	97.9	96.7	97.0	97.0	97.5	98.4	98.2	98.0	97.4	97.5	97.2	97.2
Total unit costs	154.3	155.2	151.5	154.0	154.7	157.0	156.7	155.2	154.4	154.7	155.0	155.0	157.2
Unit labor costs	150.6	151.8	147.9	150.3	151.3	152.9	153.1	151.7	150.9	151.7	152.5	152.3	154.4
Unit nonlabor costs	164.8	164.9	161.6	164.3	164.4	168.8	167.0	165.1	164.4	163.3	162.0	162.8	165.2
Unit profits	84.6	117.2	89.4	86.8	86.6	75.6	92.5	111.8	126.6	135.9	143.2	151.1	146.5
Implicit price deflator	146.3	150.9	144.3	146.3	146.9	147.7	149.4	150.2	151.2	152.6	153.6	154.6	156.0

¹ Third quarter 1984 measures for the nonfinancial corporate sector are preliminary.

r = revised.

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

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

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

Item	Percent change from											
	Previous quarter						Same quarter, previous year					
	II 1983	III 1983	IV 1983	I 1984	II 1984	III 1984'	II 1983	III 1983	IV 1983	I 1984	II 1984	III 1984'
Business sector												
Output per hour of all persons	5.9	2.8	1.4	4.0	4.9	0.9	3.3	3.4	3.1	3.5	3.3	2.8
Output	12.4	9.3	7.8	11.4	11.2	2.0	3.4	6.1	8.4	10.2	9.9	8.0
Hours	6.1	6.4	6.2	7.2	6.0	1.1	.1	2.6	5.2	6.5	6.4	5.1
Compensation per hour	2.2	2.0	6.1	6.2	1.9	4.5	4.6	3.3	3.7	4.1	4.0	4.7
Real compensation per hour	-2.1	-2.1	1.6	1.2	-1.8	.9	1.3	.7	.3	-.4	-.3	.5
Unit labor costs	-3.5	-8	4.6	2.1	-2.9	3.6	1.3	-.1	.6	.6	.7	1.8
Unit nonlabor payments	14.5	9.5	3.1	7.0	15.4	2.8	5.5	8.9	9.2	8.4	8.7	7.0
Implicit price deflator	1.9	2.5	4.1	3.7	2.9	3.3	2.6	2.7	3.3	3.0	3.3	3.5
Nonfarm business sector												
Output per hour of all persons	8.1	2.1	1.0	2.9	5.5	-.7	4.3	3.9	3.9	3.5	2.9	2.2
Output	14.3	8.7	9.1	10.3	10.6	1.0	4.1	6.3	9.5	10.6	9.7	7.7
Hours	5.7	6.5	8.0	7.2	4.8	1.7	-.2	2.3	5.4	6.9	6.6	5.4
Compensation per hour	3.5	2.2	4.1	6.1	3.7	3.8	5.4	4.1	3.9	4.0	4.0	4.4
Real compensation per hour	-.8	-1.9	-.3	1.0	.0	.2	2.0	1.5	.6	-.5	-.3	.2
Unit labor costs	-4.2	.1	3.0	3.1	-1.7	4.5	1.1	.2	.0	.4	1.1	2.2
Unit nonlabor payments	17.8	8.4	5.3	2.3	12.5	2.5	6.5	9.2	10.9	8.3	7.1	5.6
Implicit price deflator	2.2	2.7	3.7	2.8	2.8	3.8	2.8	3.0	3.3	2.9	3.0	3.3
Manufacturing												
Output per hour of all persons	6.4	9.7	-1.0	3.7	4.0	7.8	4.3	4.3	4.9	4.7	4.1	3.6
Output	17.1	20.5	9.1	12.9	8.9	7.5	2.4	7.6	13.4	14.8	12.7	9.6
Hours	10.0	9.8	10.2	8.8	4.6	-.3	-1.8	3.1	8.1	9.7	8.3	5.8
Compensation per hour .....	.6	1.3	2.9	6.2	2.9	3.6	3.6	2.3	2.2	2.7	3.3	3.9
Real compensation per hour	-3.5	-2.8	-1.5	1.1	-.8	.1	.3	-.3	-1.0	-1.7	-1.0	-.3
Unit labor costs	-5.5	-7.7	3.9	2.3	-1.1	-3.8	-.6	-1.9	-2.6	-1.9	-.7	.3
Durable goods												
Output per hour of all persons	8.7	10.2	-1.2	7.2	3.1	8.4	5.7	5.5	6.1	6.1	4.7	4.3
Output	20.5	24.2	13.2	18.9	9.5	10.5	1.8	8.5	17.0	19.2	16.3	13.0
Hours	10.9	12.8	14.6	10.9	6.2	2.0	-3.7	2.9	10.3	12.3	11.1	8.3
Compensation per hour .....	.1	.8	2.1	6.1	2.8	2.6	3.4	1.8	1.7	2.2	2.9	3.4
Real compensation per hour	-4.1	-3.2	-2.3	1.1	-.8	-.9	.1	-.8	-1.6	-2.2	-1.3	-.7
Unit labor costs	-7.9	-8.5	3.3	-1.0	-.2	-5.3	-2.2	-3.5	-4.2	-3.7	-1.7	-.9
Nondurable goods												
Output per hour of all persons	3.4	9.0	-.6	-1.3	5.5	6.8	2.2	2.7	3.3	2.6	3.1	2.6
Output	12.5	15.3	3.4	4.4	8.0	3.0	3.1	6.2	8.4	8.8	7.7	4.7
Hours	8.8	5.8	4.0	5.8	2.4	-3.6	.9	3.5	4.9	6.1	4.5	2.1
Compensation per hour	1.4	1.4	3.4	5.8	2.7	4.9	4.5	3.2	2.7	3.0	3.3	4.2
Real compensation per hour	-2.8	-2.6	-1.0	.8	-1.0	1.3	1.1	.6	-.6	-1.4	-.9	.0
Unit labor costs	-1.9	-7.0	4.0	7.2	-2.6	-1.8	2.2	.6	-.6	.4	.2	1.6
Nonfinancial corporations¹												
Output per all-employee hour	7.5	5.3	-.2	3.6	2.8	-2.1	3.7	3.8	3.9	4.0	2.9	1.0
Output	15.1	12.4	8.4	11.6	9.8	.6	3.1	6.3	10.0	11.8	10.5	7.5
Hours	7.1	6.7	8.6	7.7	6.8	2.7	-.6	2.4	5.9	7.5	7.5	6.4
Compensation per hour	3.5	3.1	2.0	5.7	2.4	3.3	4.6	3.6	3.1	3.6	3.3	3.3
Real compensation per hour	-.8	-1.0	-2.4	.7	-1.3	-.3	1.3	1.0	-.2	-.9	-1.0	-.8
Total unit costs	-3.9	-2.0	.8	.6	.2	5.7	.8	-.2	-1.5	-1.1	-.1	1.8
Unit labor costs	-3.7	-2.1	2.1	2.0	-.4	5.5	.9	-.2	-.8	-.4	.4	2.3
Unit nonlabor costs	-4.5	-1.7	-2.6	-3.2	2.0	6.2	.5	.0	-3.2	-3.0	-1.4	.5
Unit profits	112.8	64.8	32.6	23.4	23.8	-11.7	28.7	46.3	79.8	54.8	35.2	15.7
Implicit price deflator	2.3	2.8	3.6	2.7	2.6	3.6	2.7	3.0	3.3	2.8	2.9	3.1

¹ Third quarter 1984 measures for the nonfinancial corporate sector are preliminary.

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

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P
Alabama	1,772.7	1,791.5	1,799.5	207.6	198.6	192.9	11.7	11.1	10.7
Birmingham	390.6	391.5	392.7	44.2	37.1	37.6	11.3	9.5	9.6
Huntsville	162.5	168.8	170.7	14.2	13.1	13.7	8.7	7.8	8.0
Mobile	197.9	201.1	201.1	27.2	25.5	23.7	13.8	12.7	11.8
Montgomery	130.7	131.5	132.4	13.4	11.1	11.3	10.2	8.4	8.6
Tuscaloosa	56.8	58.1	58.6	6.2	5.2	5.6	10.9	9.0	9.5
Alaska	233.3	247.2	244.2	20.8	20.6	23.3	8.9	8.4	9.5
Arizona	1,390.8	1,421.8	1,459.7	105.6	57.2	61.6	7.6	4.0	4.2
Phoenix	866.5	904.5	928.4	51.8	27.6	29.8	6.0	3.1	3.2
Tucson	257.3	260.7	268.0	19.0	9.5	10.8	7.4	3.6	4.0
Arkansas	1,049.9	1,059.6	1,058.6	87.4	83.2	87.9	8.3	7.9	8.3
Fayetteville-Springdale	85.2	87.3	87.4	4.9	4.3	4.3	5.8	4.9	4.9
Fort Smith	91.9	93.1	93.2	8.0	7.3	8.0	8.7	7.8	8.6
Little Rock-North Little Rock	202.3	203.9	202.8	14.4	12.9	12.9	7.1	6.3	6.4
Pine Bluff	39.3	38.6	38.7	3.5	3.5	3.4	8.8	9.1	8.8
California¹	12,351.6	12,677.8	12,754.4	995.9	954.9	888.3	8.1	7.5	7.0
Anaheim-Santa Ana-Garden Grove	1,225.9	1,262.6	1,295.2	64.5	56.4	49.9	5.3	4.5	3.8
Bakersfield	215.2	221.1	218.4	26.0	26.4	24.9	12.1	11.9	11.4
Fresno	293.7	349.6	300.7	35.0	32.4	33.4	11.9	9.3	11.1
Los Angeles-Long Beach	3,826.0	3,880.0	3,925.0	333.0	312.0	301.0	8.7	8.0	7.7
Modesto	138.5	143.8	140.1	19.2	17.3	17.7	13.9	12.0	12.7
Oxnard-Simi Valley-Ventura	266.7	269.4	269.8	24.1	24.8	21.6	9.0	9.2	8.0
Riverside-San Bernardino-Ontario	636.5	652.2	661.0	58.5	61.6	51.1	9.2	9.4	7.7
Sacramento	526.4	539.4	544.1	41.9	40.7	38.0	8.0	7.6	7.0
Salinas-Seaside-Monterey	148.3	152.6	152.3	13.6	12.0	11.9	9.2	7.9	7.8
San Diego	855.7	888.1	898.9	58.6	55.4	48.7	6.8	6.2	5.4
San Francisco-Oakland	1,753.4	1,769.6	1,793.7	113.1	108.3	96.7	6.5	6.1	5.4
San Jose	854.0	873.7	892.6	48.6	41.8	39.5	5.7	4.8	4.4
Santa Barbara-Santa Maria-Lompoc	163.8	165.1	168.5	10.1	9.4	9.1	6.2	5.7	5.4
Santa Rosa	152.3	155.9	158.0	9.6	9.6	8.5	6.3	6.1	5.4
Stockton	181.1	191.8	184.9	21.7	19.1	19.9	12.0	10.0	10.7
Vallejo-Fairfield-Napa	142.2	146.0	147.3	11.8	11.4	11.1	8.3	7.8	7.6
Colorado	1,688.7	1,740.2	1,751.5	92.5	83.1	97.7	5.5	4.8	5.6
Denver-Boulder	1,010.5	1,038.1	1,044.7	48.4	43.6	51.8	4.8	4.2	5.0
Connecticut	1,614.5	1,678.4	1,686.0	79.2	71.8	70.0	4.9	4.3	4.2
Bridgeport	191.9	194.9	195.8	11.4	9.7	9.1	5.9	5.0	4.7
Hartford	388.2	402.3	405.4	17.8	16.0	16.0	4.6	4.0	3.9
New Britain	69.6	71.9	72.5	4.1	3.5	3.5	5.9	4.9	4.9
New Haven-West Haven	201.9	214.7	214.5	10.9	9.3	9.0	5.4	4.3	4.2
Stamford	124.6	129.2	129.0	4.4	3.6	3.5	3.5	2.8	2.7
Waterbury	104.6	107.9	107.6	5.7	5.4	5.0	5.5	5.0	4.6
Delaware	299.1	304.1	306.0	20.5	16.5	16.9	6.8	5.4	5.5
Wilmington	264.8	263.6	267.8	18.5	15.6	15.6	7.0	5.9	5.8
District of Columbia	321.0	322.6	327.7	35.0	27.6	28.0	10.9	8.6	8.6
Washington SMSA	1,794.7	1,856.7	1,882.3	83.5	75.3	78.6	4.7	4.1	4.2
Florida¹	4,990.0	5,184.2	5,139.4	431.2	319.1	360.5	8.6	6.2	7.0
Daytona Beach	124.3	128.3	127.5	9.1	6.3	6.9	7.3	4.9	5.4
Fort Lauderdale-Hollywood	521.6	539.3	534.3	36.4	25.8	29.7	7.0	4.8	5.5
Fort Myers-Cape Coral	109.1	115.0	114.0	7.7	5.4	6.0	7.0	4.7	5.3
Gainesville	85.7	88.4	87.0	4.1	2.9	3.5	4.8	3.3	4.0
Jacksonville	376.1	388.7	386.5	30.9	19.6	25.6	8.2	5.0	6.6
Lakeland-Winter Haven	150.4	150.6	150.1	25.5	20.8	21.3	16.9	13.8	14.2
Melbourne-Titusville Cocoa	140.5	149.5	147.5	11.0	6.7	8.5	7.8	4.5	5.7
Miami	865.8	886.5	877.2	87.4	67.2	76.2	10.1	7.6	8.7
Orlando	433.2	457.8	450.7	30.7	23.3	25.9	7.1	5.1	5.7
Pensacola	135.9	143.6	140.8	10.0	8.2	9.4	7.3	5.7	6.7
Sarasota	91.5	93.7	92.3	5.3	4.0	4.4	5.8	4.3	4.8
Tallahassee	92.5	95.8	94.4	4.4	3.3	3.9	4.8	3.5	4.1
Tampa-St. Petersburg	786.9	809.3	799.6	58.2	37.4	43.3	7.4	4.6	5.4
West Palm Beach-Boca Raton	306.7	326.7	327.1	28.9	22.9	24.4	9.4	7.0	7.5

See footnotes at end of table.

STATE AND AREA LABOR FORCE DATA
NOT SEASONALLY ADJUSTED

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P
Georgia	2,744.1	2,816.0	2,817.6	182.6	164.6	164.3	6.7	5.8	5.8
Albany	53.6	53.6	53.4	5.0	4.5	4.7	9.4	8.4	8.9
Athens	68.6	64.3	67.1	3.8	3.4	3.1	5.6	5.4	4.6
Atlanta	1,143.7	1,186.0	1,184.1	65.4	53.8	54.6	5.7	4.5	4.6
Augusta	137.0	135.0	134.0	11.9	9.3	9.0	8.7	6.9	6.7
Columbus	89.8	91.5	92.0	7.1	6.7	7.0	7.9	7.3	7.6
Macon	110.3	109.4	108.7	8.0	7.5	7.3	7.2	6.8	6.7
Savannah	99.3	99.4	99.4	7.8	7.4	7.3	7.9	7.4	7.4
Hawaii	471.2	466.2	473.1	29.2	30.9	30.0	6.2	6.6	6.3
Honolulu	359.5	355.7	360.6	20.5	21.9	21.3	5.7	6.2	5.9
Idaho	467.8	463.7	463.8	34.1	25.8	24.3	7.3	5.6	5.2
Boise City	96.6	98.8	98.8	6.2	4.1	4.0	6.4	4.2	4.0
Illinois	5,521.2	5,559.1	5,612.0	516.4	466.3	492.0	9.4	8.4	8.8
Bloomington-Normal	64.3	65.9	66.9	4.0	3.5	3.9	6.2	5.4	5.8
Champaign-Urbana-Rantoul	87.8	87.5	88.2	4.8	4.3	4.2	5.3	4.9	4.8
Chicago	3,414.9	3,440.5	3,466.2	298.0	277.1	288.2	8.7	8.1	8.3
Davenport-Rock Island-Moline	185.9	182.4	184.2	22.2	19.4	19.5	12.0	10.6	10.6
Decatur	61.4	61.0	61.4	6.9	5.7	5.7	11.3	9.4	9.2
Kankakee	40.9	40.3	41.1	5.5	4.5	5.0	13.5	11.3	12.3
Peoria	165.9	165.4	166.7	22.1	15.3	16.0	13.3	9.2	9.6
Rockford	135.7	138.0	138.9	14.6	11.7	12.5	10.8	8.5	9.0
Springfield	103.4	104.1	104.4	6.8	6.4	7.0	6.6	6.2	6.7
Indiana	2,570.8	2,660.9	2,646.6	228.6	188.1	195.0	8.9	7.1	7.4
Anderson	54.9	57.3	56.5	4.7	3.7	4.1	8.6	6.5	7.3
Elkhart	78.6	87.1	85.8	4.9	4.9	4.8	8.2	5.7	5.6
Evansville	148.4	151.3	151.9	12.5	11.3	11.8	8.4	7.5	7.8
Fort Wayne	182.6	187.5	186.7	17.1	11.2	11.4	9.4	6.0	6.1
Gary-Hammond-East Chicago	266.7	265.8	263.9	34.7	37.2	37.0	13.0	14.0	14.0
Indianapolis	602.6	625.2	621.9	47.7	34.4	36.3	7.9	5.5	5.8
Lafayette-West Lafayette	64.5	67.0	67.0	3.7	3.0	3.1	5.8	4.4	4.6
Muncie	54.7	55.1	55.5	5.2	4.1	4.4	9.5	7.5	7.9
South Bend	140.1	149.5	149.3	9.6	8.6	8.8	6.8	5.8	5.9
Terre Haute	80.1	82.8	82.5	8.1	6.0	6.3	10.1	7.2	7.6
Iowa	1,432.8	1,397.4	1,417.8	86.3	81.0	82.0	6.0	5.8	5.8
Cedar Rapids	83.7	80.7	81.8	5.8	5.4	5.1	7.0	6.7	6.2
Des Moines	185.8	181.0	184.8	10.5	8.4	8.9	5.7	4.7	4.8
Dubuque	43.6	41.7	42.5	3.8	3.0	3.0	8.7	7.2	7.1
Sioux City	54.5	53.2	53.7	3.1	3.2	2.9	5.6	6.0	5.5
Waterloo-Cedar Falls	65.2	62.2	62.5	6.8	6.3	6.8	10.4	10.1	10.9
Kansas	1,193.7	1,207.6	1,211.2	60.2	56.1	61.1	5.0	4.6	5.0
Lawrence	34.7	34.4	34.4	1.5	1.2	1.3	4.3	3.4	3.9
Topeka	94.4	96.3	96.7	6.0	5.3	5.8	6.4	5.5	6.0
Wichita	222.6	229.8	230.3	13.3	12.4	13.2	6.0	5.4	5.8
Kentucky	1,706.4	1,731.0	1,746.2	163.4	147.6	156.2	9.6	8.5	8.9
Lexington-Fayette	192.2	191.5	194.4	8.8	8.4	8.6	4.6	4.4	4.4
Louisville	423.2	433.3	435.4	39.1	34.7	38.9	9.2	8.0	8.9
Owensboro	45.2	47.2	46.7	3.4	4.7	4.2	7.4	10.0	9.1
Louisiana	1,925.3	1,983.2	1,991.1	202.5	187.9	195.8	10.5	9.5	9.8
Alexandria	78.3	80.0	80.1	7.5	7.5	8.0	9.6	9.4	10.0
Baton Rouge	243.2	253.6	254.7	21.4	21.4	22.5	8.8	8.4	8.8
Lafayette	94.8	97.9	98.4	7.6	6.0	6.4	8.1	6.1	6.5
Lake Charles	78.8	75.2	75.2	10.9	10.1	10.2	13.9	13.4	13.6
Monroe	59.0	59.5	60.1	6.1	5.5	5.9	10.3	9.2	9.8
New Orleans	530.8	542.2	542.8	49.8	50.1	52.0	9.4	9.2	9.6
Shreveport	172.4	174.2	174.5	17.3	13.1	13.6	10.0	7.5	7.8
Maine	538.1	568.6	540.0	38.5	27.6	26.5	7.1	4.9	4.9
Lewiston-Auburn	39.1	39.3	39.0	2.9	2.4	2.4	7.3	6.1	6.1
Portland	100.0	103.8	104.3	5.6	3.3	3.3	5.6	3.1	3.1
Maryland	2,216.1	2,246.6	2,279.2	129.7	119.3	122.8	5.9	5.3	5.4
Baltimore	1,085.1	1,091.1	1,107.4	74.2	69.9	70.7	6.8	6.4	6.4

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P
Massachusetts¹	3,014.4	3,047.5	3,053.6	194.0	137.5	104.1	6.4	4.5	3.4
Boston	1,462.3	1,476.6	1,487.1	82.9	60.3	45.4	5.7	4.1	3.1
Brockton	82.5	81.2	82.4	6.1	4.4	3.2	7.4	5.4	3.9
Fall River	79.0	78.0	77.9	6.8	4.8	3.9	8.7	6.1	5.1
Fitchburg-Leominster	50.9	51.5	51.5	3.6	2.4	1.9	7.2	4.7	3.6
Lawrence-Haverhill	150.0	147.6	147.5	10.5	7.9	6.3	7.0	5.3	4.3
Lowell	139.9	143.0	144.2	7.5	5.2	4.1	5.4	3.6	2.9
New Bedford	85.1	88.3	87.7	7.8	5.7	4.3	9.1	6.5	4.9
Pittsfield	66.6	67.2	67.2	5.2	3.8	2.8	7.8	5.7	4.1
Springfield-Chicopee-Holyoke	293.4	286.0	286.7	19.9	13.2	10.1	6.8	4.6	3.5
Worcester	197.2	188.7	190.6	13.0	8.8	6.6	6.6	4.7	3.4
Michigan¹	4,244.6	4,327.6	4,334.2	529.5	426.0	438.3	12.5	9.8	10.1
Ann Arbor	148.5	(²)	(²)	11.9	(²)	(²)	8.0	(²)	(²)
Battle Creek	78.7	(²)	(²)	10.5	(²)	(²)	13.3	(²)	(²)
Bay City	51.6	(²)	(²)	7.2	(²)	(²)	14.0	(²)	(²)
Benton Harbor	70.5	(²)	(²)	9.7	(²)	(²)	13.8	(²)	(²)
Detroit	1,948.8	(²)	(²)	256.1	(²)	(²)	13.1	(²)	(²)
Flint	218.4	(²)	(²)	31.6	(²)	(²)	14.5	(²)	(²)
Grand Rapids	330.3	(²)	(²)	33.3	(²)	(²)	10.1	(²)	(²)
Jackson	64.1	(²)	(²)	9.2	(²)	(²)	14.3	(²)	(²)
Kalamazoo-Portage	137.9	(²)	(²)	13.4	(²)	(²)	9.7	(²)	(²)
Lansing-East Lansing	245.0	(²)	(²)	21.7	(²)	(²)	8.9	(²)	(²)
Muskegon-Norton Shores-Muskegon Heights	74.7	(²)	(²)	10.9	(²)	(²)	14.6	(²)	(²)
Saginaw	96.8	(²)	(²)	11.5	(²)	(²)	11.9	(²)	(²)
Minnesota	2,182.6	2,252.3	2,254.2	135.9	122.8	121.0	6.2	5.5	5.4
Duluth-Superior	106.9	105.8	103.9	16.7	13.3	9.6	15.6	12.6	9.2
Minneapolis-St.Paul	1,189.5	1,226.6	1,241.7	62.7	53.8	54.8	5.3	4.4	4.4
Rochester	59.9	60.1	60.0	2.7	2.4	2.5	4.5	3.9	4.1
St. Cloud	77.8	80.9	82.0	5.1	5.7	5.9	6.6	7.0	7.2
Mississippi	1,072.2	1,105.0	1,111.4	111.6	117.9	118.1	10.4	10.7	10.6
Jackson	160.3	165.4	166.9	11.0	11.0	11.4	6.9	6.7	6.8
Missouri	2,359.6	2,373.6	2,366.3	192.7	141.2	138.8	8.2	5.9	5.9
Kansas City	688.1	691.6	692.4	45.4	33.1	33.3	6.6	4.8	4.8
St. Joseph	45.6	45.2	45.1	4.0	3.6	3.4	8.8	8.0	7.6
St. Louis	1,144.3	1,153.7	1,151.5	103.8	82.1	81.1	9.1	7.1	7.0
Springfield	114.6	115.8	116.0	7.3	5.4	5.3	6.3	4.6	4.5
Montana	393.2	407.2	403.7	27.3	25.2	25.0	6.9	6.2	6.2
Nebraska	792.5	782.3	793.3	34.7	28.5	33.0	4.4	3.6	4.2
Lincoln	109.6	109.0	110.9	3.6	2.8	3.3	3.3	2.6	3.0
Omaha	292.4	290.9	295.3	14.0	12.9	14.2	4.8	4.4	4.8
Nevada	492.7	501.5	506.4	40.8	38.7	39.5	8.3	7.7	7.8
Las Vegas	275.8	282.0	284.7	25.3	25.6	25.2	9.2	9.1	8.9
Reno	134.4	135.2	137.4	8.5	7.1	7.8	6.4	5.3	5.7
New Hampshire	511.8	528.8	534.7	18.5	14.9	15.1	3.6	2.8	2.8
Manchester	87.6	91.8	92.0	3.1	2.5	2.4	3.6	2.7	2.6
Nashua	89.1	94.1	94.4	2.7	1.9	2.0	3.0	2.0	2.1
New Jersey¹	3,652.4	3,750.7	3,771.2	217.9	218.5	192.0	6.0	5.8	5.1
Atlantic City	122.5	132.8	131.8	8.2	8.6	8.2	6.7	6.5	6.2
Jersey City	233.2	236.6	237.7	22.0	23.2	20.3	9.4	9.8	8.6
Long Branch-Asbury Park	250.3	269.8	270.5	13.7	13.4	12.2	5.5	5.0	4.5
New Brunswick-Perth Amboy-Sayreville	338.3	345.6	351.4	17.6	19.2	17.1	5.2	5.6	4.9
Newark	981.8	1,001.4	1,012.0	55.3	56.7	47.7	5.6	5.7	4.7
Paterson-Clifton-Passaic	215.8	220.0	222.0	16.5	17.1	14.5	7.6	7.8	6.5
Trenton	161.2	165.3	166.8	7.8	8.3	6.8	4.8	5.0	4.1
Vineland-Millville-Bridgeton	55.7	55.8	56.1	6.4	6.4	6.1	11.5	11.5	10.9
New Mexico	614.5	633.8	637.3	55.9	47.2	47.4	9.1	7.4	7.4
Albuquerque	231.7	246.3	246.8	19.0	16.0	15.9	8.2	6.5	6.4
Las Cruces	43.9	46.3	48.4	3.8	3.4	3.4	8.8	7.3	7.0

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P
New York¹	8,035.3	8,014.0	8,144.9	613.8	536.0	577.7	7.6	6.7	7.1
Albany-Schenectady-Troy	378.4	381.7	386.7	23.6	19.1	19.5	6.2	5.0	5.0
Binghamton	140.0	142.4	144.4	9.0	7.6	7.9	6.4	5.4	5.5
Buffalo	531.5	516.8	522.0	53.3	41.9	41.9	10.0	8.1	8.0
Elmira	36.9	36.9	37.5	3.0	2.9	2.9	8.1	7.9	7.8
Glens-Falls	46.4	47.6	47.0	3.4	2.9	3.2	7.4	6.1	6.7
Nassau-Suffolk	1,407.7	1,415.8	1,430.7	81.3	69.9	68.2	5.8	4.9	4.8
New York	3,612.5	3,598.2	3,685.9	306.2	286.7	324.3	8.5	8.0	8.8
New York City	2,986.0	2,969.0	3,050.0	274.0	261.0	297.0	9.2	8.8	9.7
Newburgh-Middletown	111.3	109.9	111.6	7.4	6.1	6.4	6.7	5.5	5.7
Poughkeepsie	116.9	117.8	117.8	6.5	4.5	4.4	5.6	3.8	3.7
Rochester	476.4	469.3	479.2	34.0	23.4	23.6	7.1	5.0	4.9
Syracuse	306.8	305.1	312.2	19.2	16.0	16.9	6.3	5.2	5.4
Utica-Rome	132.3	136.0	134.7	9.2	7.8	8.3	6.9	5.7	6.1
North Carolina	2,960.5	3,074.4	3,067.6	210.2	193.7	208.9	7.1	6.3	6.8
Asheville	86.7	88.6	88.6	5.5	5.3	5.7	6.4	6.0	6.5
Charlotte-Gastonia	379.0	391.6	392.0	22.9	19.4	20.9	6.0	5.0	5.3
Greensboro-Winston-Salem-High Point	446.8	460.6	462.4	27.9	24.6	27.5	6.3	5.3	6.0
Raleigh-Durham	329.9	344.2	347.0	13.5	11.5	11.5	4.1	3.4	3.3
North Dakota	317.8	331.5	323.6	11.9	13.1	14.8	3.7	4.0	4.6
Fargo-Moorehead	74.6	74.4	75.3	2.0	2.0	2.2	2.7	2.7	2.9
Ohio¹	5,159.2	5,158.9	5,185.0	548.4	451.4	473.4	10.6	8.7	9.1
Akron	308.3	308.2	308.0	33.8	27.2	28.1	11.0	8.8	9.1
Canton	189.2	185.7	187.2	24.6	17.3	18.9	13.0	9.3	10.1
Cincinnati	691.4	701.2	700.3	61.5	57.9	56.3	8.9	8.3	8.0
Cleveland	936.4	920.1	924.8	96.5	78.7	81.9	10.3	8.5	8.9
Columbus	594.1	595.2	602.9	49.2	40.7	41.8	8.3	6.8	6.9
Dayton	395.3	399.4	401.4	34.7	28.9	29.5	8.8	7.2	7.3
Toledo	379.9	(²)	(²)	41.7	(²)	(²)	11.0	(²)	(²)
Youngstown-Warren	226.9	222.2	223.4	31.5	24.8	27.1	13.9	11.2	12.1
Oklahoma	1,544.3	1,588.5	1,589.8	122.7	105.4	109.9	7.9	6.6	6.9
Enid	32.7	32.0	32.0	2.2	1.9	2.0	6.8	6.0	6.2
Lawton	40.0	40.6	41.2	2.5	2.4	2.9	6.2	6.0	7.0
Oklahoma City	481.3	500.0	500.8	29.4	26.5	27.9	6.1	5.3	5.6
Tulsa	369.2	375.8	375.8	32.3	26.4	27.4	8.8	7.0	7.3
Oregon	1,339.4	1,333.8	1,339.9	116.8	99.4	109.8	8.7	7.5	8.2
Eugene-Springfield	133.1	130.1	133.2	11.4	9.6	11.2	8.6	7.4	8.4
Medford	65.7	67.8	67.0	5.5	5.0	5.6	8.4	7.3	8.3
Portland	660.2	658.7	660.3	58.4	46.1	48.2	8.8	7.0	7.3
Salem	128.3	128.9	129.6	9.8	7.9	9.0	7.6	6.1	7.0
Pennsylvania¹	5,584.9	5,497.4	5,558.0	531.5	479.4	455.9	9.5	8.7	8.2
Allentown-Bethlehem-Easton	309.4	310.0	312.1	27.3	28.4	26.4	8.8	9.2	8.5
Altoona	56.2	55.8	55.9	7.0	5.2	5.5	12.5	9.3	9.9
Erie	127.2	125.1	124.3	14.8	10.9	10.3	11.6	8.7	8.3
Harrisburg	245.6	245.9	249.3	13.6	12.5	12.4	5.6	5.1	5.0
Johnstown	103.3	99.9	101.4	15.2	12.0	12.7	14.7	12.0	12.5
Lancaster	193.7	192.5	194.4	9.7	9.4	8.3	5.0	4.9	4.3
Northeast Pennsylvania	295.2	294.3	296.7	29.9	31.5	29.2	10.1	10.7	9.8
Philadelphia	2,274.7	2,253.7	2,289.8	160.9	154.3	139.6	7.1	6.8	6.1
Pittsburgh	1,034.8	1,001.4	1,008.8	124.4	109.6	104.3	12.0	10.9	10.3
Reading	164.5	165.1	167.6	11.2	11.4	10.8	6.8	6.9	6.4
Sharon	52.3	50.9	51.6	7.5	5.6	5.3	14.3	11.0	10.2
State College	55.2	54.9	56.1	4.7	4.2	4.0	8.4	7.6	7.1
Williamsport	52.4	52.8	53.3	5.9	5.2	4.7	11.3	9.9	8.9
York	184.8	183.2	183.8	16.0	12.7	11.9	8.7	7.0	6.5
Rhode Island	477.0	498.2	500.6	29.9	22.5	22.1	6.3	4.5	4.4
Providence-Warwick-Pawtucket	467.1	481.7	484.9	30.3	23.2	21.7	6.5	4.8	4.5
South Carolina	1,479.3	1,478.7	1,467.5	122.0	94.9	102.9	8.2	6.4	7.0
Charleston-North Charleston	178.7	181.5	180.0	13.6	9.4	9.8	7.6	5.2	5.4
Columbia	203.7	205.4	206.2	12.3	8.9	9.3	6.1	4.3	4.5
Greenville-Spartanburg	288.7	287.0	286.0	20.6	15.7	17.5	7.1	5.5	6.1
South Dakota	336.2	343.2	342.5	14.0	12.2	13.6	4.2	3.6	4.0
Sioux Falls	67.4	67.1	67.8	2.4	2.0	2.2	3.6	3.0	3.2

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P	Oct. 1983	Sept. 1984	Oct. 1984 ^P
Tennessee	2,216.4	2,227.3	2,260.1	202.6	186.2	184.7	9.1	8.4	8.2
Chattanooga	198.7	199.5	200.3	17.5	14.1	13.6	8.8	7.1	6.8
Johnson City-Kingsport-Bristol	203.8	210.8	213.4	17.7	16.2	16.8	8.7	7.7	7.9
Knoxville	232.1	228.9	231.1	19.8	16.8	16.5	8.6	7.3	7.1
Memphis	437.7	413.9	418.9	36.5	28.9	27.9	8.3	7.0	6.7
Nashville-Davidson	456.8	473.3	479.6	29.3	25.6	26.2	6.4	5.4	5.5
Texas¹	7,660.6	8,074.8	8,051.2	531.8	470.0	422.7	6.9	5.8	5.3
Abilene	77.4	79.0	79.1	3.5	3.1	2.9	4.6	3.9	3.7
Amarillo	99.0	104.4	104.3	4.5	4.7	4.5	4.5	4.5	4.4
Austin	328.6	360.9	362.2	12.5	12.2	11.2	3.8	3.4	3.1
Beaumont-Port Arthur	178.1	182.1	180.9	21.5	19.4	17.6	12.1	10.7	9.7
Brownsville-Harlingen-San Benito	91.4	94.6	93.0	12.3	12.6	11.2	13.5	13.3	12.0
Bryan-College Station	55.9	59.0	60.3	2.2	2.1	1.9	4.0	3.6	3.1
Corpus Christi	164.7	169.9	169.4	17.2	13.6	12.0	10.4	8.0	7.1
Dallas-Fort Worth	1,825.1	1,955.9	1,953.6	81.4	74.5	67.2	4.5	3.8	3.4
El Paso	196.2	206.9	206.7	20.8	20.8	19.0	10.6	10.1	9.2
Galveston-Texas City	91.9	96.0	96.7	9.5	8.8	8.1	10.3	9.2	8.4
Houston	1,752.7	1,816.8	1,807.9	144.4	115.8	103.1	8.2	6.4	5.7
Killeen-Temple	73.8	79.4	79.7	4.3	4.2	4.3	5.8	5.3	5.4
Laredo	39.2	39.0	38.5	8.5	6.0	5.3	21.7	15.4	13.8
Longview-Marshall	79.9	81.0	80.5	7.8	6.3	5.6	9.8	7.8	6.9
Lubbock	114.5	117.7	117.8	6.8	5.8	5.1	5.9	4.9	4.3
McAllen-Pharr-Edinburg	116.6	120.0	119.5	22.4	25.8	22.8	19.2	21.5	19.0
Midland	66.9	75.4	76.3	3.7	2.6	2.5	5.5	3.5	3.3
Odessa	73.3	79.5	80.6	5.6	3.5	3.2	7.6	4.4	3.9
San Angelo	49.9	52.9	52.6	2.3	2.3	2.0	4.6	4.3	3.7
San Antonio	509.0	547.8	547.4	28.3	27.2	24.8	5.6	5.0	4.5
Sherman-Denison	40.0	41.8	41.7	2.5	2.1	2.0	6.3	5.0	4.8
Texarkana	52.1	54.7	54.5	4.4	4.2	4.0	8.5	7.6	7.4
Tyler	77.5	80.5	80.6	4.2	3.6	3.3	5.4	4.5	4.1
Waco	91.5	97.7	98.6	4.5	4.5	5.0	4.9	4.6	5.0
Wichita Falls	68.0	71.4	70.5	3.9	3.6	2.9	5.8	5.1	4.1
Utah	697.0	729.5	732.9	51.3	40.6	42.1	7.4	5.6	5.7
Salt Lake City-Ogden	455.3	476.5	480.6	32.0	24.8	25.9	7.0	5.2	5.4
Vermont	269.1	276.9	279.0	13.5	9.8	9.3	5.0	3.5	3.3
Burlington	72.4	75.4	77.1	2.8	2.0	1.9	3.8	2.7	2.4
Virginia	2,748.3	2,854.0	2,871.3	136.1	133.3	149.4	5.0	4.7	5.2
Danville	57.1	57.7	58.9	4.3	3.9	5.3	7.5	6.8	9.0
Lynchburg	77.0	79.4	80.5	3.9	3.9	5.0	5.0	4.9	6.2
Newport News-Hampton	181.2	192.6	192.6	9.0	8.9	8.9	5.0	4.6	4.6
Norfolk-Virginia Beach-Portsmouth	363.2	382.3	380.3	18.4	17.5	18.6	5.1	4.6	4.9
Petersburg-Colonial Heights-Hopewell	55.4	55.9	56.4	4.3	4.1	4.3	7.7	7.3	7.7
Richmond	354.2	364.6	369.0	14.1	12.5	15.4	4.0	3.4	4.2
Roanoke	113.6	118.7	118.8	5.6	5.0	4.9	4.9	4.2	4.2
Washington	2,080.2	2,047.4	2,060.1	197.7	163.9	169.6	9.5	8.0	8.2
Seattle-Everett	909.8	903.0	908.5	78.3	62.4	64.4	8.6	6.9	7.1
West Virginia	757.9	765.1	786.0	114.2	100.0	125.8	15.1	13.1	16.0
Charleston	120.9	124.0	127.1	14.5	14.5	16.7	12.0	11.7	13.2
Huntington-Ashland	122.9	118.5	119.9	20.2	14.4	16.4	16.4	12.2	13.6
Parkersburg-Marietta	73.7	74.3	74.7	9.2	7.4	8.0	12.5	10.0	10.7
Wheeling	81.3	78.6	80.0	12.4	10.1	12.2	15.2	12.9	15.2
Wisconsin	2,416.1	2,425.8	2,414.4	190.1	157.6	169.2	7.9	6.5	7.0
Appleton-Oshkosh	154.6	157.1	157.1	11.5	10.1	10.2	7.4	6.5	6.5
Eau Claire	61.0	61.3	60.9	4.5	4.4	4.3	7.4	7.2	7.1
Green Bay	95.6	96.6	96.5	7.2	6.2	6.3	7.5	6.4	6.6
Janesville-Beloit	71.9	71.3	71.8	6.2	4.9	9.7	8.6	6.9	13.5
Kenosha	60.3	59.8	59.1	4.6	4.0	4.1	7.7	6.7	7.0
La Crosse	50.8	51.2	51.6	3.5	2.9	3.2	6.8	5.7	6.1
Madison	194.2	196.6	196.1	10.3	10.2	9.1	5.3	5.2	4.6
Milwaukee	701.9	702.8	702.5	57.6	44.5	46.7	8.2	6.3	6.7
Racine	83.5	84.3	83.6	7.4	6.2	6.2	8.9	7.3	7.5
Sheboygan	53.5	55.2	54.7	3.9	3.3	3.3	7.3	5.9	6.1
Wausau	55.2	55.0	54.9	4.9	4.1	4.3	8.9	7.4	7.8
Wyoming	264.9	257.8	255.7	17.3	12.2	13.2	6.5	4.7	5.2

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

² Not available.

^P = preliminary.

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

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

Explanatory Notes

Introduction

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

Data based on household interviews are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed, and the unemployed, including such characteristics as age, sex, race, family relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 60,000 households, representing 629 areas in 1,148 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

Data based on establishment records are compiled each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The establishment survey is designed to provide industry information on nonagricultural wage and salary employment, average weekly hours, average hourly earnings, and average weekly earnings for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are currently based on payroll reports from a sample of over 200,000 establishments employing over 35 million nonagricultural wage and salary workers. The data relate to all workers, full- or part-time, who received pay during the payroll period which includes the 12th day of the month.

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

Data from these two sources differ from each other because of differences in definitions and coverage,

sources of information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The major factors which have a differential effect on levels and trends of the two series are as follows.

Employment

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

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

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

For a comprehensive discussion of the differences between household and establishment survey employment data, see Gloria P. Green's article "Comparing Employment Estimates From Household and Payroll Surveys," *Monthly Labor Review*, December 1969.

Hours of work

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

Earnings

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

COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

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

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

sometimes eligible for unemployment compensation but are classified as employed rather than unemployed in the household survey.

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

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

COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

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

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

Employment covered by State unemployment insurance programs. Most nonagricultural wage and salary workers are covered by the unemployment insurance programs. However, certain activities, such as interstate railroads, parochial schools, and churches are not covered by unemployment insurance whereas these are included in this BLS establishment statistics.

Household Data (A tables)

COLLECTION AND COVERAGE

Statistics on the employment status of the population, the personal, occupational, and other characteristics of the employed, the unemployed, and persons not in the labor force, and related data are compiled for the BLS by the Bureau of the Census in its Current Population Survey (CPS). A detailed description of this survey appears in *Concepts and Methods Used in Labor Force Statistics Derived from the Current Population Survey*, BLS Report 463. Historical national data are published in *Labor Force Statistics Derived From the Current Population Survey: A Databook*, BLS Bulletin 2096.

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

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

Each month about 60,000 occupied units are eligible for interview. About 2,500 of these households are visited but interviews are not obtained because the occupants are not at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of between 4 or 5 percent. In addition to the 60,000 occupied units, there are 11,000 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from 1 month to the next and one-half to be common with the same month a year earlier.

CONCEPTS AND DEFINITIONS

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

Employed persons are (a) all civilians who, during the survey week, did any work at all as paid employees, in their own business, profession, or on their own farm, or

who worked 15 hours or more as unpaid workers in an enterprise operated by a member of the family; and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management disputes, or personal reasons, whether they were paid for the time off or were seeking other jobs. Members of the Armed Forces stationed in the United States are also included in the employed total.

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

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

Unemployed persons are all civilians who had no employment during the survey week, were available for work, except for temporary illness, and (a) had made specific efforts to find employment sometime during the prior 4 weeks, or (b) were waiting to be recalled to a job from which they had been laid off, or (c) were waiting to report to a new job within 30 days.

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

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

longer. Each of these four categories of the unemployed may be expressed as an unemployment rate or proportion of the entire civilian labor force; the sum of the four rates thus equals the unemployment rate for all civilian workers.

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

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

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

The *unemployment rate for all civilian workers* represents the number unemployed as a percent of the civilian labor force. This measure can also be computed for groups within the labor force classified by sex, age, race, Hispanic origin, marital status, etc.

Participation rates represent the proportion of the population that is in the labor force. The *labor force participation rate*, is the ratio of the labor force, including the resident Armed Forces, to the noninstitutional population. The *civilian labor force participation rate* is the ratio of the civilian labor force to the civilian noninstitutional population. Civilian labor force participation rates are usually published for sex-age groups, often cross-classified by other demographic characteristics such as race and educational attainment.

Employment-population ratios represent the proportion of the noninstitutional population that is employed. The *total employment-population ratio* is total employment, including the resident Armed Forces, as a percent of the noninstitutional population. The *civilian employment-population ratio* is the percentage of all employed civilians in the civilian noninstitutional population.

Not in the labor force includes all persons who are not classified as employed or unemployed. These persons are further classified as engaged in own home housework, in school, unable to work because of long-

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

For persons not in the labor force, data on previous work experience, intentions to seek work, desire for a job at the time of interview, and reasons for not looking for work are published on a quarterly basis. As of January 1970, the detailed questions for persons not in the labor force are asked only in those households that are in the fourth and eighth months of the sample, i.e., the "outgoing" groups, those which had been in the sample for 3 previous months and would not be in for the subsequent month. Between 1967 and 1969 these questions were asked in those households entering the sample for the first time and those returning for the second 4 months of interviewing, i.e., the "incoming" groups.

Occupation, industry, and class of worker for the employed apply to the job held in the survey week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours during the survey week. The unemployed are classified according to their last full-time job lasting 2 weeks or more. The classifications of occupations and industries used in data derived from the CPS are defined as in the 1980 census. Information on the detailed categories included in these groups is available upon request.

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

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

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

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

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

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

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

Hispanic origin refers to persons who identified themselves in the enumeration process as Mexican, Puerto Rican living on the mainland, Cuban, Central or South American, or of other Hispanic origin or descent. Persons of Hispanic origin may be of any race; thus they are included in both the white and black population groups.

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

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

Median earnings indicate the value which divides the earnings distribution into two equal parts, one part having values above the median and the other having values below the median. The medians as shown in this publication are calculated by linear interpolation of the \$10 interval within which each median falls.

The Consumer Price Index for All Urban Consumers (CPI-U) is used to deflate the earnings series.

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

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

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

families maintained by either men or women without a spouse.

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

HISTORICAL COMPARABILITY

Change in lower age limit

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

Noncomparability of labor force levels

In addition to the changes introduced in 1967, there are several other periods of noncomparability in the labor force data: (1) Beginning in 1953, as a result of introducing data from the 1950 census into the estimating procedures, population levels were raised by about 600,000; labor force, total employment, and agricultural employment were increased by about 350,000, primarily affecting the figures for totals and men; other categories were relatively unaffected. (2) Beginning in 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force—four-fifths of this increase was in nonagricultural employment; other labor force categories were not appreciably affected. (3) Beginning in 1962, the introduction of data from the 1960 census reduced the population by about 50,000 and labor force and employment by about 200,000; unemployment totals were virtually unchanged. (4)

Beginning in 1972, information from the 1970 census was introduced into the estimation procedures, increasing the population by about 800,000; labor force and employment totals were raised by a little more than 300,000; and unemployment levels and rates were essentially unchanged. (5) A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment, which affected the white and black-and-other groups but had little effect on totals, resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black-and-other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black-and-other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

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

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

Beginning in January 1978, the introduction of an expansion in the sample and revisions in the estimation procedures resulted in an increase of about 250,000 in the civilian labor force and employment totals; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an indication of the differences appear in "Revisions in the Current Population Survey in January 1978" in the February 1978 issue of *Employment and Earnings*.

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

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

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

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

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

Changes in the occupational and industrial classification system

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

monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. As a result of these changes, meaningful comparisons of occupational employment levels could not be made between 1971-72 and prior years nor between those 2 years. Unemployment rates were not significantly affected. For a further explanation of the changes in the occupational classification system, see "Revisions in Occupational Classifications for 1971" and "Revisions in the Current Population Survey" in the February 1971 and February 1972 issues, respectively, of *Employment and Earnings*.

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

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

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

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

Changes in the sample design

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

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, the number of

sample areas and the number of sample persons are increased occasionally. In 1953, the current rotation plan was introduced in which a sample unit is interviewed for 4 months, leaves the sample for 8 months, and then returns to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a noncontiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia and designed to provide more reliable annual average estimates for States, was incorporated into the design. A coverage improvement sample, composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 600,000 new construction housing units, was included in computing the estimates beginning in October 1978 in order to provide coverage of mobile homes and new construction units that previously had no chance for selection in the CPS sample. In January 1980, another supplemental sample of 9,000 households selected in 32 States and the District of Columbia was added to the existing sample. A sample reduction of about 6,000 units was implemented in May 1981. Beginning in January 1982, the sample was expanded by 100 households to provide additional coverage in counties added to SMSA's, which were redefined in 1973.

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

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

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

ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. The estimation procedure involves weighting the data from each sample person. The basic weight, which is the inverse of the probability of the person being in the sample, is a rough measure of the number of actual persons that the sample person represents. In States supplemented in the 1978 and 1980 expansions, almost all sample persons within the sample area have the same basic weight, but the weight may differ across sample areas. The basic weight is the same for almost all sample persons in unsupplemented States. The basic weights are then adjusted for noninterview, and the ratio estimation procedure is applied.

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

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

Time period	Number of sample areas	Households eligible		Households visited but not eligible
		Interviewed	Not interviewed	
Aug. 1947 to Jan. 1954	68	21,000	500—1,000	3,000—3,500
Feb. 1954 to Apr. 1956	230	21,000	500—1,000	3,000—3,500
May 1956 to Dec. 1959	¹ 330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963	² 333	33,500	1,500	6,000
Mar. 1963 to Dec. 1966	357	33,500	1,500	6,000
Jan. 1967 to July 1971	449	48,000	2,000	8,500
Aug. 1971 to July 1972	449	45,000	2,000	8,000
Aug. 1972 to Dec. 1977	461	45,000	2,000	8,000
Jan. 1978 to Dec. 1979	614	53,500	2,500	10,000
Jan. 1980 to Apr. 1981	629	62,200	2,800	12,000
May 1981 to present	629	57,800	2,500	11,000

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

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

varies from 4 to 5 percent, depending on weather, vacations, etc.

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

a. *First-stage ratio estimate.* In the CPS, a portion of the 629 sample areas is chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The procedure is performed at two geographic levels: First, by the four census regions (Northeast, North Central, South, and West), and second, for each of the 46 States which contains nonsample areas. Effective with January 1983 data, the procedure corrects for the differences that existed at the time of the 1980 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by metropolitan-nonmetropolitan residence and race, while the State adjustment is done by race only. Prior to January 1983, the State adjustment was also done by urban-rural status. At both the regional and the State levels, the race-residence categories were changed from white/nonwhite to black/nonblack. The residence categories at the State level of the estimation procedure were dropped because definitional differences between the 1970 census and the 1980 census made it impossible to continue using the same categories.

b. *Second-stage ratio estimate.* In this stage, the sample proportions of persons in specific categories are adjusted to the distribution of independent current estimates of the civilian noninstitutional population in the same categories. The second-stage ratio adjustment which is performed to further reduce variability of the estimates and to correct to some extent for CPS undercoverage relative to the decennial census, is carried out in two steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over for the State. The second step is applied to all sample persons and is a weighting to nationwide in-

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

The controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population from the April 1, 1980, census through the latest available July 1 estimate, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age for July 1 are published annually in *Current Population Reports*, Series P-25. For a description of the methodology used in developing the State total, use Report 640 of that series. A description of the age estimates methodology are available on request from the Chief of the Population Division, U.S. Bureau of the Census; Washington, D.C. 20233.

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

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

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

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

Rounding of estimates

The sums of individual items may not always equal the totals shown in the same tables because of independent rounding of totals and components to the nearest thousand. Similarly, sums of percent distributions may not always equal 100 percent because of rounding. Differences, however, are insignificant.

Reliability of the estimates

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

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

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

Nonsampling errors occurring in the interview phase of the survey have been studied by means of a reinterview program. This program is used to estimate various sources of error as well as to evaluate and control the work of the interviewers. A random sample of each interviewer's work is inspected through reinterview at regular intervals. The results indicate, among other things, that the data published from the CPS are subject

to moderate systematic biases. A description of the CPS reinterview program and some of the other results may be found in the *Current Population Survey Reinterview Program, January 1961 through December 1966*. Technical Paper No. 19, Bureau of the Census, U.S. Department of Commerce.

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

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Compared to the level of the decennial census, undercoverage is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for men than for women, and larger for black, and other races combined than for whites. Ratio estimation to independent age-sex-race population controls, as described previously, partially corrects for the biases due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race group. Further, the independent population controls used have not been adjusted for undercoverage in the 1980 census.

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

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

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

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

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

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

Tables D through H provide generalized standard errors for monthly level and month-to-month change for estimated totals, unemployment rates, and percentages. Table I contains factors for use with table H for computing standard errors, as described below, for monthly level and month-to-month change for percentages. Standard errors for intermediate values not shown in the tables may be approximated by linear interpolation. The standard error for estimated changes from one month to the next is more closely related to the monthly level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between 2 consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table J contains factors for use with tables D, F, H, and I to compute approximate standard

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

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

Illustration. Assume that in a given month the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the

Table B. Standard errors for major employment status categories

(In thousands)

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

Table C. Standard errors for unemployment rates by major characteristics

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

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

Standard errors for rates and percentages. The reliability of an estimated unemployment rate or an estimated percentage, computed using sample data for both numerator and denominator, depends upon both the size of the rate or percentage and the total upon which the rate or percentage is based. Estimated rates and percentages are relatively more reliable than the corresponding estimates of the numerator of the rates or percentages; this is particularly true for percentages of 50 percent or more. As a general rule, percentages are not published when the monthly base is less than 75,000, the quarterly average base is less than 60,000, or the annual average base is less than 35,000.

Tables F and G show generalized standard errors for monthly level and month-to-month change for unemployment rates. Generalized standard errors for estimated monthly percentages and estimated month-to-month change in percentages can be obtained through the use of the standard errors in table H and the factors

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

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

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

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

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

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

Standard error of year-to-year change =

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

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

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

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

or about 259,000.

Table D. Standard errors for estimates of monthly level

(In thousands)

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

¹ When determining the standard error of an estimate for a group which is a subset of the age, sex, or race groups listed, use the standard error for the next larger group, e.g., when determining the standard error

on the estimated number of employed persons age 20 to 54 years, use the column for total employed.

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

(In thousands)

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

¹ See footnote 1, table D.

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 F. Standard errors for unemployment rates

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.09	2.94	4.57	6.28	7.46	8.34	9.01	9.05	9.87	10.21
100	1.48	2.06	3.23	4.44	5.28	5.90	6.37	6.73	6.98	7.22
500 .....	.66	.93	1.45	1.99	2.36	2.64	2.85	3.01	3.12	3.27
1,000 .....	.47	.66	1.02	1.40	1.67	1.87	2.01	2.13	2.21	2.28
2,000 .....	.33	.46	.72	.99	1.18	1.32	1.42	1.50	1.56	1.61
4,000 .....	.23	.33	.51	.70	.83	.93	1.01	1.06	1.10	1.14
6,000 .....	.19	.27	.42	.57	.68	.76	.82	.87	.90	.93
10,000 .....	.15	.21	.32	.44	.53	.59	.64	.67	.70	.72
20,000 .....	.10	.15	.23	.31	.37	.42	.45	.47	.49	.51
60,000 .....	.06	.08	.13	.18	.21	.24	.26	.27	.27	.29
100,000 .....	.05	.07	.10	.14	.17	.19	.20	.21	.22	.22

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

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

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

Monthly base of percentages (In thousands)	Percentage of monthly level									
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	30 or 70	35 or 65	50
50	2.14	3.01	4.69	6.46	7.68	8.61	9.32	9.86	10.27	10.76
100	1.51	2.13	3.32	4.57	5.43	6.09	6.59	6.97	7.26	7.61
500 .....	.68	.95	1.48	2.04	2.43	2.72	2.95	3.12	3.25	3.40
1,000 .....	.48	.67	1.05	1.44	1.72	1.92	2.08	2.21	2.30	2.41
2,000 .....	.34	.48	.74	1.02	1.22	1.36	1.47	1.56	1.62	1.70
4,000 .....	.24	.34	.52	.72	.86	.96	1.04	1.10	1.15	1.20
6,000 .....	.20	.28	.43	.59	.70	.79	.85	.90	.94	.98
10,000 .....	.15	.21	.33	.46	.54	.61	.66	.70	.73	.76
20,000 .....	.11	.15	.23	.32	.38	.43	.47	.49	.51	.54
40,000 .....	.08	.11	.17	.23	.27	.30	.33	.35	.36	.38
60,000 .....	.06	.09	.14	.19	.22	.25	.27	.28	.30	.31
80,000 .....	.05	.08	.12	.16	.19	.22	.23	.25	.26	.27
100,000 .....	.05	.07	.10	.14	.17	.19	.21	.22	.23	.24
160,000 .....	.04	.05	.08	.11	.13	.15	.16	.17	.18	.19

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

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

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

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

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

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

(In thousands)

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

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

COLLECTION

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

Federal-State cooperation

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

Shuttle schedules

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

Form BLS 790 provides for entry of data on the total number of full- and part-time workers on the payrolls of nonagricultural establishments and, for most industries, employment, payroll, and hours of production and related workers or nonsupervisory workers for the pay period which includes the 12th of the month.

CONCEPTS

Industrial classification

Establishments reporting on Form BLS 790 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. Since January 1980, this information is collected on a supplement to the quarterly unemployment insurance tax reports filed by employers. For an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the principal product or activity.

All data on employment, hours, and earnings for the Nation and for States and areas are classified in accordance with the 1972 *Standard Industrial Classification Manual* (SICM), Office of Management and Budget. The BLS tabulates and estimates statistics which distinguish between private and public establishments, thus maintaining continuity with previously published statistics for the private and government sector.

Industry employment

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

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

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

Industry hours and earnings

Average hours and earnings data are derived from reports of payrolls and hours for production and related workers in manufacturing and mining, construction workers in construction, and nonsupervisory employees in private service-producing industries.

Production and related workers include working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, trucking, hauling, maintenance, repair, janitorial, guard services, product development, auxiliary production for plant's

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

Construction workers include the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices, helpers, laborers, etc., engaged in new work, alterations, demolition, repair, maintenance, etc., whether working at the site of construction or working in shops or yards at jobs (such as precutting and preassembling) ordinarily performed by members of the construction trades.

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

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

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

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

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

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

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

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

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

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

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

Employment, hours, and earnings	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry level (division and, where stratified, industry)
Monthly data		
All employees	All-employee estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months. ¹	Sum of all-employee estimates for component cells.
Production or nonsupervisory workers, women employees	All-employees estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) estimated ratio of women to all employees. ²	Sum of production or nonsupervisory worker estimates, or estimates of women employees, for component cells.
Average weekly hours	Production or nonsupervisory worker hours divided by number of production or nonsupervisory workers. 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.
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.
Average weekly earnings	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.
Annual average data		
All employees, women employees, and production or nonsupervisory workers	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Average weekly hours	Annual total of aggregate hours (production or nonsupervisory worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours	Annual total of aggregate overtime hours (production worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime hours for production workers divided by annual sum of employment for these workers.
Average hourly earnings	Annual total of aggregate payrolls (product of production or nonsupervisory worker employment by weekly hours and hourly earnings) divided by annual aggregate hours.	Annual total of aggregate payrolls divided by annual aggregate hours.
Average weekly earnings	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.

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

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

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

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

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

Average hourly earnings excluding overtime. Average hourly earnings excluding overtime premium pay are computed by dividing the total production worker payroll for the industry group by the sum of total production worker hours and one-half of total overtime hours. Prior to January 1956, these data were based on the application of adjustment factors to average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 537-40). Both methods eliminate only the earnings due to overtime paid for at 1½ times the straight-time rates. No adjustments are made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

Indexes of aggregate weekly hours. The indexes of aggregate weekly hours are prepared by dividing the current month's aggregate by the average of the 12 monthly figures for 1977. For basic industries, the hour aggregates are the product of average weekly hours and production worker or nonsupervisory worker employment. At all higher levels of industry aggregation, hour aggregates are the sum of the component aggregates.

Indexes of diffusion of changes in number of employees on nonagricultural payrolls. These indexes measure the percent of industries which posted increases in employment over the specified time span. The indexes are calculated from 185 seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in "Introduction of Diffusion Indexes," in the December 1974 issue of *Employment and Earnings*.

ESTIMATING METHODS

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

The "link relative" technique

From a sample composed of establishments reporting for both the previous and current months, the ratio of current month employment to that of the previous month is computed. This is called a "link relative." The estimates of employment (all employees, including production and nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives." In addition, bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past benchmark comparisons. Beginning with data for April 1983, these factors are modified by changes in the sample link relatives for the most recent quarter. Other features of the general procedures are described in table L.

Size and regional stratification

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

Benchmark adjustments

Employment estimates are compared periodically with benchmarks (comprehensive counts of employment) for the various nonagricultural industries and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1983 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by States agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover about 98 percent of employees on nonagricultural payrolls in the United States. Benchmark data for the residual are obtained from the records of the Social Security Administration, the Interstate Commerce Commission, and a number of other agencies in private industry or government.

The estimates for the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates between benchmark periods are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions made at the time of the March 1983 benchmark adjustment is shown in table M.

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

THE SAMPLE

Design

The sampling plan used in the Current Employment Statistics program is known as "sampling proportionate to average size of establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost

considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percent of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to design samples for these industries with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than do establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

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

Coverage

The BLS sample of establishment employment and payrolls is the largest monthly sampling operation in the field of social statistics. Table N shows the approximate proportion of total employment in each industry division covered by the group of establishments furnishing monthly employment data. The coverage for individual industries within the division may vary from the proportions shown.

Reliability of the employment estimates

Although the relatively large size of the BLS establishment sample assures a high degree of accuracy, the estimates derived from it may differ from the figures that would be obtained if it were possible to take a complete census using the same schedules and procedures. As discussed under the previous section, a "link relative" technique is used to estimate employment. This requires the use of the previous month's estimate as

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

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

¹ Less than 0.05 percent.

Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1983¹

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

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

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

the base in computing the current month's estimate. Thus, small sampling and response errors may cumulate over several months. To remove this accumulated error, the estimates are usually adjusted annually to new benchmarks. In addition to taking account of sampling and response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Table O presents the average percent revisions of the five most recent benchmarks for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

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

smaller percentage than the relative error from the averages that would have been obtained from a complete census.

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

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

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

For the two most recent months, estimates of employment, hours, and earnings are preliminary and are so footnoted in the tables. These figures are based on less than the total sample and are revised when all the reports in the sample have been received. Table Q presents root-mean-square errors of the amounts of revisions that may be expected between the preliminary and final levels of employment and preliminary and final month-to-month changes. Revisions of preliminary hours and earnings estimates are normally not greater than 0.1 of an hour for weekly hours and 1 cent for hourly earnings.

STATISTICS FOR STATES AND AREAS

State and area employment, hours, and earnings data

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

(In percent)

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

¹ The average percent revision in employment for the 1979-83 benchmarks.

² Relative errors relate to 1982 data.

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

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

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

¹ Assuming 12-month intervals between benchmark revisions.

² Relative errors relate to 1982 data.

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

Table Q. Errors of preliminary employment estimates

Industry	Root-mean-square error of—	
	Monthly level	Month-to-month change
Total nonagricultural employment	114,600	105,000
Goods-producing	39,600	34,300
Mining	5,500	5,100
Construction	22,000	18,200
Manufacturing	29,000	28,500
Durable two-digit industries	5,400	5,200
Nondurable two-digit industries	3,900	3,900
Service-producing	93,600	91,500
Transportation and public utilities	13,400	14,000
Wholesale trade	9,000	8,300
Retail trade	42,600	30,100
Finance, insurance, and real estate	9,300	8,200
Services	34,500	28,000
Government	71,300	62,800

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

differing industrial and geographic stratification.

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

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

COLLECTION

Productivity data are compiled by the Bureau of Labor Statistics from establishment data and from estimates of compensation and gross national product supplied by the U.S. Department of Commerce and the Federal Reserve Board.

CONCEPTS

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

Output is the constant-dollar market value of final goods and services produced in a given period. Indexes of *output per hour* of all persons measure changes in the volume of goods and services produced per paid hour of labor input.

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

clude an estimate of wages, salaries, and supplementary payments for the self-employed, except for nonfinancial corporations, in which there are no self-employed.

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

Unit labor costs measure the labor compensation cost required to produce one unit of output and are derived by dividing compensation per hour by output per hour.

Unit nonlabor payments include profits, depreciation, interest, and indirect taxes per unit of output. They are computed by subtracting compensation of all persons from the current-dollar gross national product and dividing by output. In these tables, unit nonlabor costs contain all the components of unit nonlabor payments except unit profits.

Unit profits include corporate profits and inventory valuation adjustments per unit of output.

The *implicit price deflator* is derived by dividing the current-dollar estimate of gross product by the

constant-dollar estimate, making the deflator, in effect, a price index for gross product of the sector reported.

NOTES ON THE DATA

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

Manufacturing output data are supplied by the

Bureau of Economic Analysis, U.S. Department of Commerce, and the Federal Reserve Board. Quarterly measures have been adjusted by the Bureau of Labor Statistics to annual estimates of output (gross product originating) from the Bureau of Economic Analysis. Compensation and hours data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics. Historical statistics for most productivity measures appear in *Trends in Multifactor Productivity, 1948-81*, BLS Bulletin 2178. Additional information may be obtained from the Office of Productivity and Technology (202 523-9261).

State and Area Labor Force Data (D table)

FEDERAL-STATE COOPERATIVE PROGRAM

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

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

Labor force and unemployment estimates for counties, cities, and other small areas have been prepared for administration of various Federal economic assistance programs and may be ordered from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The report "Employment and Unemployment in States and Local Areas" is published monthly through GPO and is available on microfiche only on a subscription basis.

ESTIMATING METHODS

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

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

1. *Preliminary estimate—employment:* The total civilian employment estimate is based on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate must be adjusted to refer to place of residence as used in the CPS. Factors for adjusting from place of work to place of residence have been developed for the several categories of employment on the basis of employment relationships which existed at the time of the 1970 decennial census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates, to which are added estimates for employment not covered by UI.

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

An estimate for those previously employed in covered industries is derived from a count of current employment insurance claimants, plus estimates of claimants whose benefits have been exhausted, those persons disqualified from receiving benefits for nonmonetary reasons (because they quit, were discharged for cause,

etc., but would otherwise have been eligible), and person who either filed claims late or not at all.

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

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

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

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

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

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

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

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

Seasonal Adjustment

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

changes in a seasonally adjusted series, it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors but are also affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment-based data are published regularly in *Employment and Earnings*.

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

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

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

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

All labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. For example, for each of the three major labor force components—agricultural employment, nonagricultural employment, and unemployment—data for four sex-age groups (men and women under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. The seasonally adjusted figure for the labor force is the sum of eight seasonally adjusted civilian employment components, plus the resident Armed Forces total (not adjusted for seasonality), and four seasonally adjusted unemployment components; the total for unemployment is the sum of the four unemployment components; and the overall unemployment rate is derived by dividing the resulting estimate of total unemployment by the estimate of the labor force. Because of the independent seasonal adjustment of various series, components will not necessarily add to totals.

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

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

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

Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and seasonally adjusted average weekly hours.

Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, and dividing by the 1977 base. For total private, total goods-producing, total private service-producing, wholesale trade, retail trade, manufacturing, and durable and nondurable goods industries, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1977 base.

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

Beginning in June 1983, seasonal adjustment factors

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

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

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