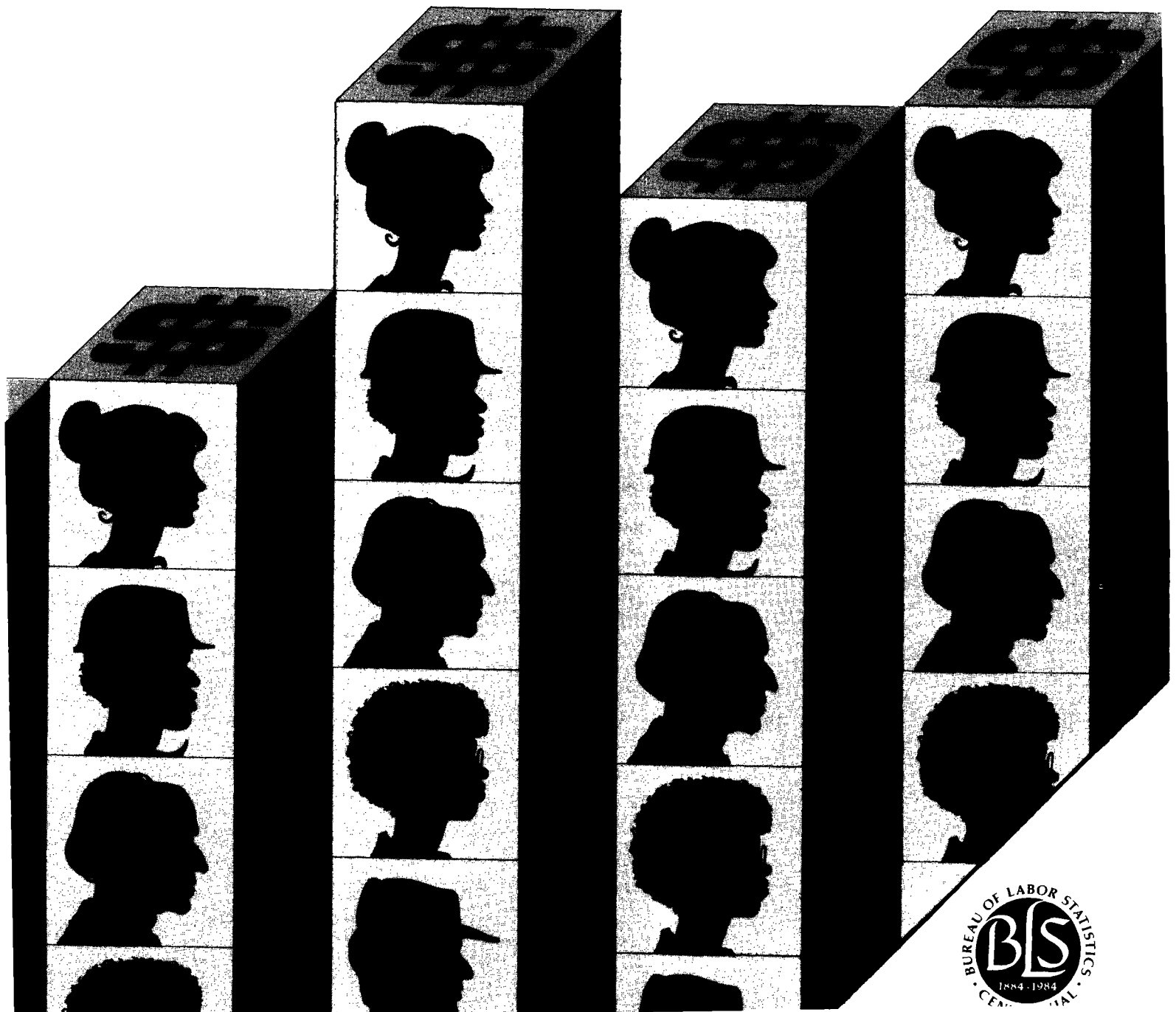




EMPLOYMENT AND EARNINGS

September 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

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Calendar of Features

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

Household data

Annual averages	Jan.
Revised seasonally adjusted series	Jan., Feb.
Quarterly averages: Seasonally adjusted data, persons not in labor force, persons of Hispanic origin, Vietnam-era veterans and nonveterans, 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
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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. 9 September 1984

Editors: Gloria Peterson Green, Rosalie K. Epstein

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Employment and Unemployment Developments, August 1984

Unemployment was unchanged in August, and there were contrasting movements in the two major employment series. The overall jobless rate, which includes the resident Armed Forces in the labor force base, was 7.4 percent, and the rate for civilian workers was 7.5 percent. These rates were the same as in May and July.

The number of employees on nonagricultural payrolls—as measured by the monthly survey of establishments—edged up by 160,000 in August. On the other hand, the household survey recorded a drop of 425,000 in total civilian employment. Both surveys show roughly the same gain in employment since the November 1982 recession trough—5.8 million for the establishment survey and 5.9 million for the household survey.

Unemployment

The number of unemployed persons and the civilian worker unemployment rate both were unchanged in August. A total of 8.5 million persons were unemployed; the unemployment rate was 7.5 percent, the same as had prevailed in 2 of the 3 prior months. Jobless rates for most major worker groups, including those for adult men (6.4 percent), adult women (7.1 percent), and teenagers (18.4 percent), were essentially unchanged over the month. Jobless rates for whites (6.4 percent) and Hispanics (10.7 percent) also held steady from July to August. Unemployment among blacks, however, edged down to 16.0 percent, as the rate for black adult men fell, returning to the May level. (See tables A-33 and A-34.)

The number of unemployed job losers declined by nearly 300,000, whereas the number of reentrants to the labor force rose by 230,000. Job losers accounted for 49.8 percent of the total unemployed in August, well below the recessionary high of 63.0 percent. The mean duration of unemployment fell from 18.1 weeks in July to 17.3 weeks in August; the median duration was about unchanged at 7.5 weeks. (See tables A-40 and A-41.)

Civilian employment and the labor force

Civilian employment fell more than usual from July to August and, after seasonal adjustment, was down by 425,000 to 105.0 million. All of this decline, however, occurred among youth under the age of 25. This disproportionately large drop may be the result of a later than usual survey reference week (August 12-18) during which many young people already may have left

summer jobs in anticipation of returning to school for the fall term.

The civilian labor force declined by 445,000 over the month to 113.5 million after seasonal adjustment. Youth under 25 accounted for this decline.

Industry payroll employment

The number of employees on nonagricultural payrolls, at 94.5 million, was up 160,000 in August, seasonally adjusted. The increases in both July and August were less than in the first half of the year. About 57 percent of the industries in the BLS diffusion index registered over-the-month employment increases, also a somewhat smaller fraction than in earlier months this year. (See tables B-4 and B-7.)

In manufacturing, employment increased in some durable goods industries, particularly in machinery, electrical and electronic equipment, and motor vehicles and equipment. In autos, the more scattered timing in the production of 1985 model cars reduced the extent of usual August plant shutdowns for retooling, resulting in a seasonally adjusted employment increase. There was little change in most other manufacturing industries. Employment in construction was about unchanged in both July and August, following large increases in the spring. Employment in mining continued to edge upward.

Within the service-producing sector, employment rose substantially in wholesale trade and business services. A decline in health services reflected a since-settled strike of hospital workers, which removed about 50,000 persons from the payrolls during the survey reference week.

Weekly hours

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls in August was 35.2 hours, seasonally adjusted—unchanged from the revised figure for July. Weekly and overtime hours in manufacturing both edged down 0.1 hour, despite a full hour increase in the average workweek in motor vehicles and equipment. (See table C-5.)

The index of aggregate weekly hours of private nonagricultural production or nonsupervisory workers was 112.7 (1977 = 100) in August, about the same as in both June and July. The manufacturing index has been at about the same level for 4 months. (See table C-6.)

Hourly and weekly earnings

Seasonally adjusted average hourly and weekly earnings both were unchanged in August. Prior to seasonal adjustment, average hourly earnings declined 2 cents to \$8.30, and weekly earnings declined \$1.54 to \$294.65. Over the past year, hourly earnings have risen 35 cents and weekly earnings \$14.01. (See tables C-1 and C-7.)

The Hourly Earnings Index

The Hourly Earnings Index (HEI) was 160.6

(1977 = 100) in August, seasonally adjusted, a decrease of 0.2 percent from July. For the 12 months ended in August, the increase (before seasonal adjustment) was 3.3 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 increased 0.2 percent during the 12-month period ended in July. (See table C-7.)

**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:												
August	176,122	113,799	64.6	103,166	1,682	101,484	3,449	98,035	10,633	9.3	62,323	
September	176,297	113,924	64.6	103,571	1,695	101,876	3,308	98,568	10,353	9.1	62,373	
October	176,474	113,561	64.3	103,665	1,695	101,970	3,240	98,730	9,896	8.7	62,913	
November	176,636	113,720	64.4	104,291	1,685	102,606	3,257	99,349	9,429	8.3	62,916	
December	176,809	113,824	64.4	104,629	1,688	102,941	3,356	99,585	9,195	8.1	62,985	
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	

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.

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:											
August	84,173	64,807	77.0	58,607	1,538	57,069	2,762	54,307	6,200	9.6	19,366
September	84,261	64,877	77.0	58,828	1,549	57,279	2,676	54,603	6,049	9.3	19,384
October	84,344	64,709	76.7	58,950	1,543	57,407	2,595	54,812	5,759	8.9	19,635
November	84,423	64,846	76.8	59,389	1,534	57,855	2,575	55,280	5,457	8.4	19,577
December	84,506	64,838	76.7	59,580	1,537	58,043	2,650	55,393	5,258	8.1	19,668
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
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:											
August	91,949	48,992	53.3	44,559	144	44,415	687	43,728	4,433	9.0	42,957
September	92,036	49,047	53.3	44,743	146	44,597	632	43,965	4,304	8.8	42,989
October	92,129	48,852	53.0	44,715	152	44,563	645	43,918	4,137	8.5	43,277
November	92,214	48,874	53.0	44,902	151	44,751	682	44,069	3,972	8.1	43,340
December	92,302	48,986	53.1	45,049	151	44,898	706	44,192	3,937	8.0	43,316
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

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:								
August	174,440	112,117	64.3	101,484	10,633	9.5	9.8	9.1
September	174,602	112,229	64.3	101,876	10,353	9.2	9.6	8.8
October	174,779	111,866	64.0	101,970	9,896	8.8	9.1	8.5
November	174,951	112,035	64.0	102,606	9,429	8.4	8.6	8.2
December	175,121	112,136	64.0	102,941	9,195	8.2	8.3	8.1
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

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	August 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	176,583	115,076	65.2	106,694	8,382	7.3	61,507	31,285	1,776	2,863	25,584
16 to 19 years	14,653	9,024	61.6	7,579	1,445	16.0	5,629	644	599	30	4,355
16 to 17 years	7,169	3,695	51.5	3,043	653	17.7	3,474	267	273	15	2,920
18 to 19 years	7,483	5,329	71.2	4,537	792	14.9	2,154	377	327	18	1,435
20 to 24 years	20,664	16,516	79.9	14,849	1,867	11.3	4,148	1,872	678	78	1,520
25 to 54 years	92,726	74,785	80.7	70,355	4,430	5.9	17,939	13,251	482	886	3,320
25 to 34 years	40,088	32,916	82.1	30,648	2,268	6.9	7,173	5,350	359	224	1,240
25 to 29 years	20,939	17,213	82.2	15,927	1,286	7.5	3,727	2,677	241	91	718
30 to 34 years	19,150	15,703	82.0	14,720	983	6.3	3,447	2,674	118	132	523
35 to 44 years	30,409	24,843	81.7	23,461	1,383	5.6	5,566	4,189	89	278	1,010
35 to 39 years	16,843	13,818	82.0	12,985	833	6.0	3,025	2,300	63	132	510
40 to 44 years	13,567	11,025	81.3	10,476	549	5.0	2,541	1,869	27	147	500
45 to 54 years	22,228	17,027	76.6	16,248	779	4.6	5,201	3,711	34	384	1,071
45 to 49 years	11,336	8,973	79.2	8,529	445	5.0	2,363	1,750	19	167	426
50 to 54 years	10,892	8,054	73.9	7,720	334	4.1	2,838	1,961	16	217	646
55 to 64 years	22,053	11,882	53.9	11,341	541	4.6	10,171	5,523	14	734	3,900
55 to 59 years	11,273	7,192	63.8	6,873	319	4.4	4,081	2,470	14	381	1,216
60 to 64 years	10,780	4,691	43.5	4,468	222	4.7	6,090	3,053	-	353	2,883
65 years and over	26,489	2,869	10.8	2,770	99	3.4	23,620	9,995	3	1,134	12,488
65 to 69 years	8,984	1,656	18.4	1,594	62	3.7	7,329	3,206	2	203	3,918
70 years and over	17,505	1,213	6.9	1,177	37	3.1	16,291	6,789	2	931	8,569
Men											
16 years and over	83,694	64,945	77.6	60,673	4,273	6.6	18,748	470	827	1,605	15,847
16 to 19 years	7,344	4,676	63.7	3,963	713	15.2	2,668	29	318	23	2,298
16 to 17 years	3,641	1,927	52.9	1,596	330	17.1	1,715	21	139	12	1,542
18 to 19 years	3,702	2,749	74.3	2,366	383	13.9	953	8	179	11	755
20 to 24 years	10,096	8,903	88.2	7,914	989	11.1	1,193	23	291	43	837
25 to 54 years	45,163	42,572	94.3	40,379	2,193	5.2	2,591	141	214	595	1,640
25 to 34 years	19,641	18,674	95.1	17,539	1,135	6.1	967	42	167	155	603
25 to 29 years	10,271	9,689	94.3	9,040	649	6.7	583	26	120	65	372
30 to 34 years	9,370	8,985	95.9	8,499	486	5.4	385	17	47	90	231
35 to 44 years	14,796	14,067	95.1	13,364	703	5.0	729	65	40	172	452
35 to 39 years	8,201	7,832	95.5	7,406	426	5.4	369	37	33	80	219
40 to 44 years	6,595	6,235	94.5	5,958	277	4.4	360	28	7	93	233
45 to 54 years	10,726	9,831	91.7	9,475	356	3.6	895	33	8	268	586
45 to 49 years	5,496	5,130	93.3	4,938	192	3.7	366	14	3	127	222
50 to 54 years	5,230	4,701	89.9	4,538	163	3.5	529	19	5	141	365
55 to 64 years	10,264	7,058	68.6	6,732	326	4.6	3,226	81	2	483	2,660
55 to 59 years	5,312	4,281	80.6	4,098	183	4.3	1,031	27	4	240	760
60 to 64 years	4,973	2,777	55.8	2,634	143	5.1	2,196	53	-	243	1,901
65 years and over	10,807	1,737	16.1	1,686	52	3.0	9,070	197	2	461	8,411
65 to 69 years	4,003	985	24.6	949	36	3.6	3,019	68	-	120	2,831
70 years and over	6,804	753	11.1	737	16	2.1	6,051	129	2	341	5,579
Women											
16 years and over	92,890	50,131	54.0	46,021	4,110	8.2	42,759	30,815	949	1,258	9,737
16 to 19 years	7,309	4,348	59.5	3,616	732	16.8	2,960	615	281	7	2,057
16 to 17 years	3,528	1,768	50.1	1,446	322	18.2	1,759	246	133	3	1,378
18 to 19 years	3,781	2,580	68.2	2,170	410	15.9	1,201	369	148	4	680
20 to 24 years	10,568	7,613	72.0	6,735	878	11.5	2,954	1,849	387	36	682
25 to 54 years	47,563	32,215	67.7	29,977	2,237	6.9	15,348	13,110	268	291	1,680
25 to 34 years	20,448	14,242	69.7	13,109	1,134	8.0	6,206	5,308	192	68	638
25 to 29 years	10,668	7,524	70.5	6,887	637	8.5	3,144	2,651	121	26	346
30 to 34 years	9,780	6,718	68.7	6,221	497	7.4	3,062	2,657	71	42	292
35 to 44 years	15,613	10,776	69.0	10,097	680	6.3	4,837	4,124	49	106	558
35 to 39 years	8,642	5,986	69.3	5,579	407	6.8	2,656	2,283	30	52	291
40 to 44 years	6,972	4,790	68.7	4,518	272	5.7	2,181	1,841	20	54	267
45 to 54 years	11,502	7,196	62.6	6,772	424	5.9	4,306	3,678	27	116	485
45 to 49 years	5,840	3,843	65.8	3,591	253	6.8	1,997	1,736	16	40	204
50 to 54 years	5,662	3,353	59.2	3,182	171	5.1	2,309	1,942	11	76	281
55 to 64 years	11,768	4,824	41.0	4,608	216	4.5	6,945	5,442	12	251	1,239
55 to 59 years	5,961	2,910	48.8	2,774	136	4.7	3,051	2,442	10	141	457
60 to 64 years	5,807	1,913	32.9	1,834	79	4.2	3,894	3,000	1	110	783
65 years and over	15,682	1,131	7.2	1,084	47	4.1	14,551	9,799	1	674	4,078
65 to 69 years	4,981	671	13.5	645	26	3.9	4,310	3,138	2	83	1,087
70 years and over	10,701	460	4.3	440	21	4.5	10,240	6,660	-	590	2,990

**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	August 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	152,402	99,416	65.2	93,299	6,117	6.2	52,986	27,545	1,227	2,282	21,932
16 to 19 years	12,069	7,773	64.4	6,743	1,030	13.2	4,297	449	424	24	3,400
16 to 17 years	5,888	3,205	54.4	2,713	493	15.4	2,682	186	201	12	2,283
18 to 19 years	6,182	4,567	73.9	4,030	537	11.8	1,615	263	224	11	1,117
20 to 24 years	17,318	14,069	81.2	12,831	1,238	8.8	3,249	1,504	483	60	1,202
25 to 54 years	79,474	64,355	81.0	61,051	3,303	5.1	15,120	11,513	302	692	2,612
25 to 34 years	33,914	28,035	82.7	26,384	1,650	5.9	5,879	4,596	213	179	891
25 to 29 years	17,682	14,676	83.0	13,767	911	6.2	3,006	2,289	143	76	497
30 to 34 years	16,232	13,358	82.3	12,618	740	5.5	2,874	2,307	70	103	395
35 to 44 years	26,208	21,403	81.7	20,343	1,060	5.0	4,805	3,693	66	209	837
35 to 39 years	14,470	11,849	81.9	11,216	633	7.9	2,621	2,057	48	98	423
40 to 44 years	11,738	9,554	81.4	9,127	427	4.5	2,183	1,643	18	111	413
45 to 54 years	19,352	14,916	77.1	14,324	592	4.0	4,436	3,225	23	304	884
45 to 49 years	9,828	7,812	79.5	7,489	323	4.1	2,015	1,517	12	131	361
50 to 54 years	9,523	7,104	74.6	6,835	269	4.5	2,420	1,737	11	174	523
55 to 64 years	19,579	10,616	54.2	10,153	463	4.4	8,963	4,936	14	595	3,418
55 to 59 years	9,949	6,406	64.4	6,131	276	4.3	3,542	2,187	14	316	1,025
60 to 64 years	9,630	4,210	43.7	4,022	188	4.5	5,421	2,748	-	279	2,393
65 years and over	23,961	2,604	10.9	2,521	83	3.2	21,357	9,143	3	910	11,301
65 to 69 years	8,136	1,510	18.6	1,457	53	3.5	6,626	2,900	2	163	3,561
70 years and over	15,826	1,094	6.9	1,064	31	2.8	14,731	6,242	2	748	7,740
Men											
16 years and over	72,732	56,874	78.2	53,729	3,145	5.5	15,858	356	596	1,272	13,634
16 to 19 years	6,071	4,025	66.3	3,516	509	12.6	2,046	15	226	18	1,786
16 to 17 years	3,005	1,686	56.1	1,430	257	15.2	1,319	11	103	10	1,195
18 to 19 years	3,065	2,339	76.3	2,087	252	10.8	726	4	123	9	591
20 to 24 years	8,531	7,611	89.2	6,973	638	8.4	920	8	225	33	653
25 to 54 years	39,155	37,226	95.1	35,555	1,671	4.5	1,929	101	140	467	1,222
25 to 34 years	16,823	16,146	96.0	15,311	835	5.2	677	28	108	129	412
25 to 29 years	8,770	8,376	95.5	7,907	470	5.6	394	15	75	56	248
30 to 34 years	8,053	7,770	96.5	7,404	366	4.7	283	13	34	73	164
35 to 44 years	12,896	12,344	95.7	11,788	556	4.5	551	47	27	125	353
35 to 39 years	7,132	6,860	96.2	6,527	333	4.9	272	26	25	57	164
40 to 44 years	5,764	5,484	95.2	5,261	223	4.1	279	21	2	68	188
45 to 54 years	9,436	8,735	92.6	8,456	279	3.2	701	26	4	212	457
45 to 49 years	4,812	4,532	94.2	4,389	143	3.2	280	11	1	100	168
50 to 54 years	4,623	4,203	90.9	4,067	136	3.2	420	16	3	113	289
55 to 64 years	9,183	6,418	69.9	6,135	284	4.4	2,764	62	3	386	2,313
55 to 59 years	4,722	3,881	82.2	3,719	162	4.2	841	21	4	196	620
60 to 64 years	4,461	2,537	56.9	2,416	121	4.8	1,924	42	-	190	1,693
65 years and over	9,793	1,594	16.3	1,549	44	2.8	8,200	169	2	367	7,661
65 to 69 years	3,652	909	24.9	879	30	3.3	2,743	59	-	98	2,586
70 years and over	6,142	685	11.2	671	15	2.1	5,457	110	2	270	5,075
Women											
16 years and over	79,669	42,542	53.4	39,570	2,972	7.0	37,128	27,189	631	1,010	8,298
16 to 19 years	5,999	3,748	62.5	3,227	521	13.9	2,251	434	198	5	1,614
16 to 17 years	2,882	1,519	52.7	1,283	236	15.5	1,363	175	97	3	1,088
18 to 19 years	3,116	2,228	71.5	1,943	285	12.8	888	259	101	3	526
20 to 24 years	8,788	6,458	73.5	5,858	600	9.3	2,330	1,495	258	27	549
25 to 54 years	40,319	27,129	67.3	25,496	1,632	6.0	13,191	11,412	162	225	1,390
25 to 34 years	17,091	11,888	69.6	11,073	815	6.9	5,202	4,568	105	50	479
25 to 29 years	8,912	6,300	70.7	5,860	441	7.0	2,612	2,274	68	20	249
30 to 34 years	8,179	5,588	68.3	5,214	374	6.7	2,591	2,294	36	30	231
35 to 44 years	13,312	9,059	68.0	8,555	504	5.6	4,254	3,646	39	84	484
35 to 39 years	7,336	4,989	68.0	4,689	300	6.0	2,349	2,026	23	41	259
40 to 44 years	5,974	4,070	68.1	3,866	204	5.0	1,904	1,620	16	43	225
45 to 54 years	9,916	6,181	62.3	5,868	313	5.1	3,735	3,198	19	92	427
45 to 49 years	5,016	3,280	65.4	3,100	180	5.5	1,735	1,500	11	31	193
50 to 54 years	4,900	2,901	59.2	2,768	133	4.6	2,000	1,698	8	61	234
55 to 64 years	10,396	4,198	40.4	4,018	180	4.3	6,198	4,873	11	209	1,105
55 to 59 years	5,226	2,525	48.3	2,412	113	4.5	2,701	2,167	10	120	405
60 to 64 years	5,170	1,672	32.4	1,606	67	4.0	3,497	2,707	1	89	700
65 years and over	14,168	1,010	7.1	971	39	3.9	13,157	8,974	1	543	3,640
65 to 69 years	4,484	601	13.4	578	23	3.9	3,883	2,841	2	65	975
70 years and over	9,684	409	4.2	393	16	3.8	9,274	6,132	-	478	2,665

**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	August 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	19,386	12,465	64.3	10,456	2,009	16.1	6,920	2,977	400	535	3,009
16 to 19 years	2,151	1,053	49.0	655	398	37.8	1,098	176	142	7	773
16 to 17 years	1,050	412	39.2	261	151	36.6	638	76	57	2	503
18 to 19 years	1,100	641	58.2	394	247	38.6	459	101	85	4	269
20 to 24 years	2,786	2,053	73.7	1,494	559	27.2	732	324	143	14	251
25 to 54 years	10,286	8,133	79.1	7,156	977	12.0	2,152	1,267	115	178	592
25 to 34 years	4,808	3,857	80.2	3,315	542	14.1	952	536	92	43	280
25 to 29 years	2,577	2,050	79.5	1,716	335	16.3	526	274	56	15	182
30 to 34 years	2,232	1,807	81.0	1,599	208	11.5	425	263	36	27	98
35 to 44 years	3,187	2,610	81.9	2,329	280	10.7	577	356	12	59	150
35 to 39 years	1,776	1,485	83.6	1,313	172	11.6	290	181	9	28	73
40 to 44 years	1,411	1,125	79.7	1,016	108	9.6	287	176	3	31	77
45 to 54 years	2,291	1,667	72.8	1,512	154	9.3	624	375	11	76	162
45 to 49 years	1,195	920	77.0	820	100	10.9	275	180	8	34	53
50 to 54 years	1,096	747	68.2	692	55	7.4	349	196	3	42	109
55 to 64 years	1,977	1,002	50.7	943	59	5.9	975	480	-	121	374
55 to 59 years	1,046	616	58.9	589	27	4.3	430	230	-	54	146
60 to 64 years	931	386	41.5	354	32	8.4	545	250	-	68	229
65 years and over	2,187	224	10.2	208	16	6.9	1,963	730	-	215	1,019
65 to 69 years	735	125	17.0	116	9	7.2	610	249	-	39	321
70 years and over	1,452	98	6.7	92	7	7.1	1,352	480	-	175	697
Men											
16 years and over	8,670	6,314	72.8	5,323	991	15.7	2,356	93	146	305	1,813
16 to 19 years	1,050	545	51.9	347	197	36.2	505	11	75	5	414
16 to 17 years	521	204	39.1	134	70	34.4	317	8	30	2	277
18 to 19 years	528	340	64.4	213	127	37.3	188	5	44	3	136
20 to 24 years	1,295	1,087	84.0	775	312	28.7	207	14	41	8	144
25 to 54 years	4,608	4,080	88.5	3,641	439	10.8	526	32	30	118	348
25 to 34 years	2,174	1,963	90.3	1,706	257	13.1	211	11	23	27	151
25 to 29 years	1,171	1,037	88.6	881	157	15.1	133	9	14	9	102
30 to 34 years	1,004	926	92.2	826	100	10.8	78	2	9	17	49
35 to 44 years	1,420	1,279	90.0	1,152	126	9.9	141	15	5	38	84
35 to 39 years	794	719	90.6	641	78	10.8	75	9	3	17	46
40 to 44 years	626	560	89.4	511	48	8.7	67	7	1	21	38
45 to 54 years	1,014	839	82.8	783	57	6.7	174	6	2	53	113
45 to 49 years	531	455	85.7	420	35	7.6	76	3	3	25	45
50 to 54 years	483	385	79.7	363	22	5.7	98	3	-	28	68
55 to 64 years	857	487	56.9	453	34	7.0	370	15	-	83	271
55 to 59 years	453	305	67.4	292	13	4.4	148	5	-	34	108
60 to 64 years	404	182	45.0	161	21	11.4	222	11	-	50	164
65 years and over	861	113	13.2	106	8	6.7	748	21	-	91	636
65 to 69 years	307	62	20.2	56	6	(¹)	245	6	-	22	217
70 years and over	554	51	9.3	50	2	(¹)	502	14	-	69	419
Women											
16 years and over	10,715	6,151	57.4	5,133	1,018	16.5	4,564	2,884	255	230	1,196
16 to 19 years	1,101	508	46.1	308	201	39.5	592	165	67	2	359
16 to 17 years	529	208	39.3	128	80	38.7	321	68	27	-	226
18 to 19 years	572	300	52.5	180	120	40.1	271	96	41	1	133
20 to 24 years	1,491	966	64.8	719	247	25.6	525	310	102	6	107
25 to 54 years	5,678	4,053	71.4	3,515	538	13.3	1,626	1,235	85	60	244
25 to 34 years	2,634	1,894	71.9	1,608	286	15.1	740	525	69	16	129
25 to 29 years	1,406	1,013	72.0	835	178	17.5	393	265	42	6	80
30 to 34 years	1,228	881	71.7	773	108	12.3	347	261	27	10	49
35 to 44 years	1,767	1,331	75.4	1,177	154	11.6	435	341	7	21	66
35 to 39 years	982	766	78.1	672	94	12.3	215	172	6	11	27
40 to 44 years	785	565	72.0	505	60	10.5	220	169	2	10	39
45 to 54 years	1,277	827	64.8	729	98	11.8	450	369	9	23	49
45 to 49 years	664	465	70.1	400	65	14.0	199	177	5	9	8
50 to 54 years	613	362	59.0	329	33	9.0	251	193	3	14	41
55 to 64 years	1,120	515	46.0	490	25	4.8	605	465	-	38	103
55 to 59 years	593	310	52.4	297	13	4.2	282	225	-	19	37
60 to 64 years	527	204	38.7	193	12	5.7	323	239	-	18	65
65 years and over	1,326	110	8.3	102	8	7.1	1,215	709	-	124	383
65 to 69 years	428	63	14.8	60	3	(¹)	365	243	-	17	104
70 years and over	898	47	5.2	42	5	(¹)	850	466	-	106	278

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	August 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	24,181	15,660	64.8	13,395	298	13,098	2,265	14.5	8,521
16 to 19 years	2,583	1,251	48.4	836	37	799	415	33.2	1,332
16 to 17 years	1,282	490	38.2	330	18	312	160	32.6	792
18 to 19 years	1,302	762	58.5	506	19	487	255	33.5	540
20 to 24 years	3,345	2,447	73.1	1,818	40	1,778	629	25.7	898
25 to 54 years	13,252	10,431	78.7	9,303	165	9,139	1,128	10.8	2,820
25 to 34 years	6,174	4,881	79.0	4,263	67	4,196	618	12.7	1,294
25 to 29 years	3,257	2,536	77.9	2,160	44	2,116	375	14.8	721
30 to 34 years	2,918	1,286	44.1	2,103	22	2,080	242	18.8	573
35 to 44 years	4,200	3,440	81.9	3,117	53	3,065	323	9.4	761
35 to 39 years	2,373	1,969	83.0	1,769	32	1,737	200	10.2	404
40 to 44 years	1,828	1,470	80.4	1,349	21	1,328	123	8.4	358
45 to 54 years	2,876	2,111	73.4	1,923	45	1,879	187	8.9	765
45 to 49 years	1,507	1,161	77.0	1,039	26	1,014	121	10.4	346
50 to 54 years	1,369	950	69.4	884	19	865	66	6.9	419
55 to 64 years	2,474	1,266	51.2	1,188	43	1,145	78	6.2	1,208
55 to 59 years	1,324	785	59.3	742	28	714	43	5.5	539
60 to 64 years	1,150	481	41.8	446	15	431	35	7.2	669
65 years and over	2,528	265	10.5	249	14	235	15	5.8	2,263
65 to 69 years	849	146	17.2	137	6	131	9	6.2	703
70 years and over	1,679	119	7.1	112	8	104	18	15.1	1,560
Men									
16 years and over	10,961	8,071	73.6	6,944	250	6,694	1,128	14.0	2,890
16 to 19 years	1,273	651	51.1	447	31	416	204	31.4	622
16 to 17 years	636	241	37.8	167	14	152	74	30.6	396
18 to 19 years	637	410	64.4	280	16	264	131	31.8	227
20 to 24 years	1,565	1,292	82.5	941	33	908	351	27.2	274
25 to 54 years	6,008	5,345	89.0	4,822	137	4,686	523	9.8	662
25 to 34 years	2,818	2,527	89.7	2,228	57	2,171	299	11.8	290
25 to 29 years	1,501	1,312	87.4	1,133	39	1,094	179	13.6	189
30 to 34 years	1,317	1,215	92.3	1,095	17	1,077	120	9.9	102
35 to 44 years	1,900	1,722	90.7	1,576	47	1,529	147	8.5	177
35 to 39 years	1,069	972	90.9	879	27	852	93	9.6	97
40 to 44 years	831	750	90.3	697	20	677	54	7.1	81
45 to 54 years	1,290	1,096	84.9	1,019	33	986	77	7.0	194
45 to 49 years	683	598	87.5	549	18	531	49	8.2	85
50 to 54 years	607	498	82.1	470	15	456	28	5.6	109
55 to 64 years	1,102	640	58.1	598	38	560	42	6.6	462
55 to 59 years	590	400	67.8	380	25	354	20	5.1	190
60 to 64 years	512	240	46.9	218	12	206	22	9.1	272
65 years and over	1,014	144	14.2	136	13	123	7	5.2	870
65 to 69 years	352	76	21.6	70	5	65	6	7.7	276
70 years and over	662	68	10.2	66	8	58	2	(¹)	594
Women									
16 years and over	13,220	7,589	57.4	6,452	48	6,404	1,137	15.0	5,631
16 to 19 years	1,310	601	45.9	390	6	383	211	35.1	709
16 to 17 years	645	249	38.6	163	3	160	86	34.6	396
18 to 19 years	665	352	52.9	227	3	224	125	35.5	313
20 to 24 years	1,780	1,155	64.9	878	7	870	278	24.0	625
25 to 54 years	7,244	5,086	70.2	4,481	28	4,453	605	11.9	2,158
25 to 34 years	3,357	2,354	70.1	2,035	10	2,025	318	13.5	1,003
25 to 29 years	1,756	1,224	69.7	1,027	5	1,022	196	16.0	532
30 to 34 years	1,601	1,130	70.6	1,008	5	1,003	122	10.8	471
35 to 44 years	2,301	1,717	74.6	1,542	6	1,536	176	10.2	583
35 to 39 years	1,304	997	76.5	890	5	885	107	10.7	307
40 to 44 years	997	720	72.2	652	1	651	69	9.5	277
45 to 54 years	1,586	1,015	64.0	904	12	892	110	10.9	571
45 to 49 years	824	563	68.3	490	8	483	72	12.9	261
50 to 54 years	762	452	59.3	414	4	409	38	8.4	310
55 to 64 years	1,372	626	45.6	590	5	585	36	5.7	746
55 to 59 years	735	385	52.5	362	2	360	23	6.0	349
60 to 64 years	638	241	37.8	228	3	225	13	5.3	397
65 years and over	1,514	121	8.0	113	1	112	8	6.5	1,393
65 to 69 years	497	70	14.1	67	1	66	3	(¹)	427
70 years and over	1,017	51	5.0	46	-	46	5	(¹)	966

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	
	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984
TOTAL								
Civilian noninstitutional population	174,440	176,583	75,012	76,350	84,224	85,581	15,204	14,653
Civilian labor force	113,578	115,076	59,351	60,270	44,582	45,783	9,644	9,024
Percent of population	65.1	65.2	79.1	78.9	52.9	53.5	63.4	61.6
Employed	103,167	106,694	54,586	56,710	40,843	42,405	7,737	7,579
Agriculture	3,988	3,713	2,693	2,614	731	657	561	442
Nonagricultural industries	99,179	102,982	51,890	54,096	40,112	41,748	7,177	7,137
Unemployed	10,411	8,382	4,765	3,560	3,739	3,378	1,907	1,445
Unemployment rate	9.2	7.3	8.0	5.9	8.4	7.4	19.8	16.0
Not in labor force	60,862	61,507	15,661	16,080	39,642	39,798	5,560	5,629
White								
Civilian noninstitutional population	151,003	152,402	65,720	66,662	72,736	73,671	12,547	12,069
Civilian labor force	98,649	99,416	52,248	52,849	38,022	38,794	8,379	7,773
Percent of population	65.3	65.2	79.5	79.3	52.3	52.7	66.8	64.4
Employed	90,908	93,299	48,610	50,213	35,305	36,343	6,992	6,743
Agriculture	3,648	3,415	2,463	2,394	668	615	516	405
Nonagricultural industries	87,260	89,884	46,147	47,818	34,637	35,728	6,476	6,338
Unemployed	7,742	6,117	3,637	2,636	2,717	2,451	1,387	1,030
Unemployment rate	7.8	6.2	7.0	5.0	7.1	6.3	16.6	13.2
Not in labor force	52,353	52,986	13,472	13,813	34,713	34,877	4,168	4,297
Black								
Civilian noninstitutional population	18,966	19,386	7,382	7,620	9,366	9,615	2,218	2,151
Civilian labor force	11,997	12,465	5,609	5,769	5,347	5,643	1,041	1,053
Percent of population	63.3	64.3	76.0	75.7	57.1	58.7	46.9	49.0
Employed	9,633	10,456	4,620	4,976	4,443	4,826	570	655
Agriculture	251	234	172	165	40	34	39	35
Nonagricultural industries	9,382	10,222	4,448	4,811	4,403	4,792	531	620
Unemployed	2,364	2,009	989	793	905	817	471	398
Unemployment rate	19.7	16.1	17.6	13.7	16.9	14.5	45.2	37.8
Not in labor force	6,969	6,920	1,773	1,851	4,019	3,972	1,177	1,098

**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	August 1984								
	Total			White			Black		
	Both sexes	Men	Women	Both sexes	Men	Women	Both sexes	Men	Women
TOTAL									
Civilian noninstitutional population	22,643	11,246	11,398	18,721	9,351	9,370	3,265	1,573	1,692
Civilian labor force	15,174	7,970	7,204	13,001	6,828	6,174	1,829	966	863
Percent of population	67.0	70.9	63.2	69.4	73.0	65.9	56.0	61.4	51.0
Employed	12,968	6,854	6,114	11,488	6,085	5,403	1,183	619	564
Agriculture	640	503	136	583	459	124	52	40	12
Nonagricultural industries	12,328	6,351	5,977	10,905	5,626	5,279	1,131	579	552
Unemployed	2,206	1,116	1,091	1,513	743	770	646	347	299
Looking for full-time work	1,483	801	682	976	513	462	474	266	208
Looking for part-time work	723	315	408	538	230	308	172	81	91
Percent of labor force	14.5	14.0	15.1	11.6	10.9	12.5	35.3	35.9	34.6
Not in labor force	7,469	3,276	4,193	5,720	2,523	3,197	1,436	607	829
Major activity: Going to school									
Civilian noninstitutional population	1,220	577	644	846	422	424	295	123	172
Civilian labor force	244	120	124	163	90	73	68	28	40
Percent of population	20.0	20.9	19.3	19.2	21.2	17.2	23.1	22.8	23.3
Employed	156	78	78	114	64	51	32	11	20
Agriculture	5	1	4	6	2	4	-	-	-
Nonagricultural industries	151	77	74	108	62	47	32	12	20
Unemployed	88	42	46	49	26	22	36	17	20
Looking for full-time work	21	6	15	7	4	3	14	2	12
Looking for part-time work	68	36	31	41	22	19	22	14	8
Percent of labor force	36.1	35.1	37.1	29.8	29.2	(¹)	(¹)	(¹)	(¹)
Not in labor force	976	456	520	683	333	351	226	94	132
Major activity: Other									
Civilian noninstitutional population	21,423	10,669	10,754	17,875	8,929	8,946	2,971	1,450	1,521
Civilian labor force	14,930	7,849	7,081	12,839	6,738	6,100	1,761	938	823
Percent of population	69.7	73.6	65.8	71.8	75.5	68.2	59.3	64.7	54.1
Employed	12,812	6,776	6,036	11,374	6,021	5,352	1,151	607	544
Agriculture	635	502	132	577	457	120	53	41	12
Nonagricultural industries	12,177	6,274	5,903	10,796	5,564	5,232	1,099	567	532
Unemployed	2,118	1,073	1,045	1,465	717	748	610	330	279
Looking for full-time work	1,463	795	668	969	509	460	460	264	196
Looking for part-time work	655	278	377	496	208	288	150	67	83
Percent of labor force	14.2	13.7	14.8	11.4	10.6	12.3	34.6	35.2	33.9
Not in labor force	6,493	2,820	3,674	5,037	2,191	2,846	1,210	513	697

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

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							
	Aug. 1983	Aug. 1984	Total		Employed		Unemployed			
			Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984	Number		Percent of labor force	
							Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984
VETERANS										
Total, 25 years and over	7,850	7,921	7,353	7,459	6,799	7,042	554	417	7.5	5.6
25 to 39 years	5,814	5,448	5,565	5,259	5,118	4,941	447	318	8.0	6.0
25 to 29 years	652	451	618	421	546	380	72	41	11.7	9.7
30 to 34 years	2,099	1,675	2,007	1,622	1,813	1,519	194	103	9.7	6.4
35 to 39 years	3,063	3,322	2,940	3,216	2,759	3,042	181	174	6.2	5.4
40 years and over	2,036	2,473	1,788	2,200	1,681	2,101	107	99	6.0	4.5
NONVETERANS										
Total, 25 to 39 years	20,133	21,237	18,984	20,154	17,416	19,024	1,568	1,130	8.3	5.6
25 to 29 years	8,729	8,990	8,198	8,488	7,421	7,959	777	529	9.5	6.2
30 to 34 years	6,854	7,468	6,494	7,145	6,011	6,789	483	356	7.4	5.0
35 to 39 years	4,550	4,779	4,292	4,521	3,984	4,276	308	245	7.2	5.4

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	August 1984								
	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full-time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
Total, 16 years and over	101,044	88,067	6,044	6,933	6.9	14,033	12,584	1,449	10.3
16 to 19 years	5,936	3,710	1,408	818	13.8	3,088	2,461	627	20.3
16 to 17 years	1,846	995	634	217	11.7	1,849	1,413	436	23.6
18 to 19 years	4,090	2,715	774	601	14.7	1,239	1,048	191	15.4
20 years and over	95,107	84,357	4,636	6,115	6.4	10,945	10,123	822	7.5
20 to 24 years	14,734	11,813	1,261	1,660	11.3	1,782	1,575	208	11.6
25 years and over	80,374	72,543	3,374	4,455	5.5	9,163	8,548	615	6.7
25 to 54 years	68,484	61,676	2,832	3,975	5.8	6,302	5,847	455	7.2
55 years and over	11,890	10,867	543	480	4.0	2,861	2,701	160	5.6
Men, 16 years and over	60,934	54,259	2,895	3,779	6.2	4,012	3,519	493	12.3
16 to 19 years	3,292	2,135	719	438	13.3	1,384	1,109	275	19.9
20 years and over	57,642	52,125	2,176	3,341	5.8	2,628	2,410	218	8.3
20 to 24 years	8,285	6,709	664	912	11.0	617	540	77	12.5
25 years and over	49,356	45,415	1,512	2,430	4.9	2,011	1,868	141	7.0
25 to 54 years	41,728	38,356	1,245	2,126	5.1	844	776	67	7.9
55 years and over	7,629	7,059	267	304	4.0	1,166	1,092	74	6.3
Women, 16 years and over	40,110	33,807	3,149	3,154	7.9	10,021	9,065	956	9.5
16 to 19 years	2,644	1,575	688	380	14.4	1,704	1,352	351	20.6
20 years and over	37,466	32,232	2,460	2,773	7.4	8,317	7,713	604	7.3
20 to 24 years	6,449	5,104	597	748	11.6	1,165	1,034	131	11.2
25 years and over	31,017	27,128	1,863	2,026	6.5	7,153	6,679	473	6.6
25 to 54 years	26,756	23,320	1,587	1,850	6.9	5,458	5,070	387	7.1
55 years and over	4,261	3,808	276	177	4.2	1,695	1,609	86	5.1
White									
Men, 16 years and over	53,382	48,276	2,325	2,781	5.2	3,492	3,128	364	10.4
16 to 19 years	2,838	1,930	603	305	10.8	1,187	984	203	17.1
20 years and over	50,545	46,346	1,723	2,476	4.9	2,304	2,144	160	7.0
20 to 24 years	7,085	6,004	498	582	8.2	526	471	56	10.6
25 years and over	43,460	40,342	1,224	1,894	4.4	1,779	1,674	105	5.9
25 to 54 years	36,524	33,900	999	1,625	4.4	703	658	45	6.4
55 years and over	6,937	6,443	225	269	3.9	1,076	1,016	60	5.6
Women, 16 years and over	33,527	28,740	2,572	2,215	6.6	9,015	8,257	757	8.4
16 to 19 years	2,286	1,415	609	263	11.5	1,461	1,203	258	17.7
20 years and over	31,240	27,325	1,963	1,952	6.2	7,554	7,054	499	6.6
20 to 24 years	5,437	4,468	480	489	9.0	1,021	910	111	10.9
25 years and over	25,803	22,857	1,483	1,463	5.7	6,533	6,145	388	5.9
25 to 54 years	22,109	19,518	1,272	1,319	6.0	5,019	4,707	313	6.2
55 years and over	3,694	3,340	211	144	3.9	1,513	1,438	75	5.0
Black									
Men, 16 years and over	5,909	4,559	476	873	14.8	405	288	117	29.0
16 to 19 years	382	162	92	128	33.5	162	93	69	42.6
20 years and over	5,526	4,397	384	745	13.5	243	195	48	19.9
20 to 24 years	1,024	581	147	296	29.0	64	48	16	(²)
25 years and over	4,503	3,817	238	449	10.0	179	147	32	17.9
25 to 54 years	3,975	3,349	206	421	10.6	106	88	18	17.0
55 years and over	528	468	32	28	5.3	73	59	14	(²)
Women, 16 years and over	5,337	4,019	484	833	15.6	814	630	185	22.7
16 to 19 years	310	136	60	113	36.6	199	112	87	43.9
20 years and over	5,028	3,883	424	720	14.3	615	518	97	15.8
20 to 24 years	853	523	99	231	27.1	113	97	16	14.0
25 years and over	4,175	3,360	326	477	11.4	503	421	82	16.3
25 to 54 years	3,715	2,979	271	466	12.5	337	266	71	21.1
55 years and over	460	381	55	11	2.4	166	155	11	6.6

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	August 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	114,308	65.0	105,974	8,334	7.3	61,443	31,283	1,773	2,838	25,548
Husbands	39,503	79.2	37,955	1,548	3.9	10,377	187	84	912	9,194
With employed wife	22,457	92.1	21,670	786	3.5	1,934	58	42	318	1,516
With unemployed wife	1,481	91.5	1,299	182	12.3	137	1	3	37	95
With wife not in labor force	15,566	65.2	14,986	580	3.7	8,307	129	38	557	7,583
Wives	26,008	52.1	24,390	1,618	6.2	23,872	20,308	145	347	3,072
With employed husband	22,969	60.5	21,670	1,299	5.7	14,986	13,439	123	77	1,348
With unemployed husband	968	62.6	786	182	18.8	580	529	8	9	34
With husband not in labor force	2,071	20.0	1,934	137	6.6	8,307	6,340	15	261	1,691
Relatives in married-couple families	14,995	68.5	13,175	1,820	12.1	6,909	983	822	321	4,783
16 to 19 years	6,118	62.1	5,349	769	12.6	3,740	248	399	21	3,070
20 to 24 years	5,794	80.9	5,118	676	11.7	1,368	164	386	41	777
25 years and over	3,082	63.1	2,708	375	12.2	1,801	571	39	259	936
Women who maintain families	6,032	61.4	5,400	632	10.5	3,792	2,798	72	167	755
Relatives in families maintained by women	5,636	63.6	4,530	1,106	19.6	3,231	880	275	243	1,833
16 to 19 years	1,612	56.4	1,171	442	27.4	1,244	155	141	5	942
20 to 24 years	1,783	77.8	1,422	361	20.3	509	122	96	7	284
25 years and over	2,241	60.3	1,937	303	13.5	1,478	603	38	231	607
Men who maintain families	1,675	74.4	1,554	121	7.2	578	45	13	39	480
Relatives in families maintained by men	1,610	63.2	1,393	217	13.5	939	325	70	77	466
16 to 19 years	335	60.5	262	72	21.6	218	14	25	-	179
20 to 24 years	515	80.3	460	55	10.7	127	45	34	2	45
25 years and over	760	56.1	671	90	11.8	594	266	11	75	242

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	
	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984
Total, 16 years and over	5,790	4,273	9.0	6.6	4,621	4,110	9.4	8.2
Married, spouse present	2,366	1,674	5.8	4.1	1,962	1,734	7.5	6.4
Widowed, divorced, or separated	679	464	11.9	7.9	878	848	9.5	8.7
Single (never married)	2,745	2,135	15.5	11.9	1,781	1,528	13.1	11.3
White, 16 years and over	4,370	3,145	7.7	5.5	3,371	2,972	8.0	7.0
Married, spouse present	1,937	1,389	5.2	3.8	1,650	1,422	7.1	5.9
Widowed, divorced, or separated	509	347	10.8	7.1	611	575	8.2	7.5
Single (never married)	1,925	1,408	12.9	9.4	1,111	975	9.9	8.9
Black, 16 years and over	1,247	991	20.2	15.7	1,117	1,018	19.1	16.5
Married, spouse present	344	220	11.5	7.3	259	251	11.8	11.5
Widowed, divorced, or separated	151	105	17.6	12.5	239	252	15.1	14.0
Single (never married)	752	666	32.4	27.3	619	514	30.0	23.8
Total, 25 years and over	3,479	2,571	6.9	5.0	2,733	2,499	7.4	6.5
Married, spouse present	2,094	1,504	5.4	3.9	1,565	1,389	6.7	5.8
Widowed, divorced, or separated	640	435	11.8	7.7	762	735	8.7	8.0
Single (never married)	744	632	11.8	9.1	406	375	8.7	7.7
White, 25 years and over	2,710	1,998	6.1	4.4	2,035	1,851	6.5	5.7
Married, spouse present	1,695	1,262	4.9	3.6	1,320	1,144	6.4	5.3
Widowed, divorced, or separated	478	326	10.7	6.9	520	496	7.4	6.8
Single (never married)	538	410	10.3	7.2	195	209	5.5	5.7
Black, 25 years and over	653	481	14.3	10.3	610	570	13.7	12.2
Married, spouse present	321	188	11.3	6.6	193	194	9.6	9.9
Widowed, divorced, or separated	143	97	17.3	12.0	219	224	14.3	12.9
Single (never married)	190	196	21.3	19.3	198	153	21.7	15.7

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-12. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984
Total, 16 years and over	10,411	8,382	9.2	7.3	9.0	6.6	9.4	8.2
Managerial and professional specialty	819	792	3.4	3.1	2.9	2.5	4.2	4.1
Executive, administrative, and managerial	319	312	2.9	2.6	2.4	2.2	3.8	3.2
Professional specialty	500	480	3.9	3.7	3.4	2.7	4.5	4.7
Technical, sales, and administrative support	2,169	1,716	6.4	5.0	5.3	3.3	6.9	5.8
Technicians and related support	171	83	5.2	2.6	6.0	1.6	4.4	3.5
Sales occupations	859	704	6.6	5.2	4.3	3.5	8.9	6.9
Administrative support, including clerical	1,140	929	6.4	5.2	6.9	3.9	6.3	5.6
Service occupations	1,660	1,457	10.3	9.3	9.6	9.1	10.7	9.4
Private household	91	92	8.2	8.5	(¹)	(¹)	8.4	8.0
Protective service	111	130	5.7	6.9	5.3	6.3	8.4	10.3
Service, except private household and protective	1,458	1,235	11.1	9.7	11.2	10.0	11.1	9.5
Precision production, craft, and repair	1,305	870	9.3	6.0	9.1	5.8	11.1	8.2
Mechanics and repairers	330	188	7.2	4.0	7.3	3.9	5.1	8.1
Construction trades	554	453	10.7	8.3	10.7	8.2	10.4	11.9
Other precision production, craft, and repair	421	228	9.6	5.2	8.9	4.5	12.1	7.8
Operators, fabricators, and laborers	2,650	2,025	13.8	10.5	13.5	9.7	14.9	12.8
Machine operators, assemblers, and inspectors	1,313	907	14.2	10.1	13.6	8.7	15.2	12.1
Transportation and material moving occupations	468	404	10.0	8.3	10.1	7.4	9.0	18.2
Handlers, equipment cleaners, helpers, and laborers	868	714	16.5	13.4	16.7	13.4	15.7	13.8
Construction laborers	181	157	21.2	17.7	20.6	16.7	(¹)	(¹)
Other handlers, equipment cleaners, helpers, and laborers	687	557	15.6	12.6	15.7	12.6	14.9	12.6
Farming, forestry, and fishing	408	260	8.3	5.8	7.8	5.5	10.7	7.7
No previous work experience	1,325	1,218	-	-	-	-	-	-
16 to 19 years	975	786	-	-	-	-	-	-
20 to 24 years	228	283	-	-	-	-	-	-
25 years and over	121	148	-	-	-	-	-	-

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	
	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984
Total, 16 years and over	10,411	8,382	9.2	7.3	9.0	6.6	9.4	8.2
Nonagricultural private wage and salary workers	7,684	5,997	9.2	7.0	9.2	6.6	9.1	7.5
Mining	152	107	13.8	9.5	15.4	10.5	6.1	5.4
Construction	792	642	14.0	10.9	14.1	10.7	12.5	13.4
Manufacturing	2,326	1,571	10.6	7.0	10.0	6.1	11.9	9.0
Durable goods	1,450	891	11.3	6.6	11.1	6.3	11.9	7.5
Lumber and wood products	80	56	11.6	7.5	11.0	5.7	15.6	17.9
Furniture and fixtures	57	54	11.0	8.7	11.0	6.7	10.8	13.6
Stone, clay, and glass products	63	59	10.6	8.9	9.8	8.1	12.9	11.1
Primary metal industries	155	93	16.3	9.2	15.6	9.7	21.1	6.3
Fabricated metal products	218	132	15.6	9.7	14.9	10.5	17.9	6.5
Machinery, except electrical	333	145	12.4	5.0	12.6	5.0	11.7	5.3
Electrical machinery, equipment, and supplies	210	133	9.0	5.5	6.8	4.4	11.9	6.8
Transportation equipment	242	153	9.9	6.1	9.9	6.1	10.2	6.4
Automobiles	123	111	10.6	8.7	10.3	8.3	12.4	10.4
Other transportation equipment	119	42	9.3	3.4	9.5	3.7	8.6	2.6
Professional and photographic equipment	35	23	4.8	3.3	4.4	2.4	5.4	4.9
Other durable goods industries	56	42	10.8	8.5	11.9	5.8	9.7	12.1
Nondurable goods	876	680	9.7	7.6	8.0	5.6	11.9	10.4
Food and kindred products	261	164	13.1	8.3	10.9	5.9	17.6	13.5
Textile mill products	76	80	9.4	10.1	7.2	10.1	11.8	10.0
Apparel and other textile products	150	160	11.5	11.9	11.6	7.0	11.5	13.1
Paper and allied products	46	35	6.2	5.4	6.0	4.2	6.6	8.9
Printing and publishing	110	72	6.6	4.2	5.8	3.1	7.6	5.9
Chemicals and allied products	84	38	7.0	3.1	6.5	3.3	7.9	2.8
Rubber and miscellaneous plastics products	77	76	9.9	9.8	7.7	8.6	14.5	12.2
Other nondurable goods industries	73	54	12.7	11.9	8.8	8.5	18.5	17.4
Transportation and public utilities	432	374	7.6	6.1	8.3	6.3	5.4	5.7
Transportation	332	283	8.5	6.7	9.2	7.0	5.9	5.7
Communications and other public utilities	101	91	4.0	3.5	3.9	3.0	4.0	4.3
Wholesale and retail trade	2,018	1,597	9.3	7.3	8.1	5.9	10.6	8.8
Wholesale trade	309	181	7.0	4.4	6.8	4.0	7.5	5.6
Retail trade	1,709	1,416	9.8	7.9	8.6	6.5	11.0	9.1
Finance, insurance, and real estate	270	239	4.3	3.7	3.7	3.4	4.7	4.0
Service industries	1,693	1,466	7.9	6.7	7.8	6.6	8.0	6.8
Professional services	722	622	6.0	5.1	5.4	4.2	6.3	5.5
Other service industries	971	844	10.4	8.8	9.7	8.4	11.0	9.2
Agricultural wage and salary workers	275	198	12.1	10.1	11.4	9.2	14.7	13.6
Government, self-employed, and unpaid family workers	1,128	969	4.3	3.7	4.0	3.0	4.7	4.7
No previous work experience	1,325	1,218	-	-	-	-	-	-

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	
	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984
NUMBER OF UNEMPLOYED												
Total unemployed	10,411	8,382	4,765	3,560	3,739	3,378	1,907	1,445	7,742	6,117	2,364	2,009
Job losers	5,793	3,986	3,584	2,390	1,839	1,365	370	231	4,417	2,996	1,322	992
On layoff	1,492	1,047	926	606	491	402	75	40	1,242	866	227	151
Other job losers	4,301	2,939	2,658	1,784	1,348	963	295	191	3,175	2,130	1,095	841
Job leavers	863	901	345	305	396	472	123	123	733	738	16	13
Reentrants	2,431	2,283	700	696	1,291	1,280	441	307	1,709	1,622	629	594
New entrants	1,323	1,211	137	169	213	260	974	783	882	762	397	409
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	55.6	47.6	75.2	67.1	49.1	40.4	19.4	16.0	57.0	49.0	55.9	49.4
On layoff	14.3	12.5	19.4	17.0	13.1	11.9	3.9	2.7	16.0	14.2	9.6	7.5
Other job losers	41.3	35.1	55.8	50.1	36.0	28.5	15.5	13.3	41.0	34.8	46.3	41.9
Job leavers	8.3	10.7	7.2	8.6	10.6	14.0	6.4	8.5	9.5	12.1	.7	.7
Reentrants	23.4	27.2	14.7	19.6	34.5	37.9	23.1	21.3	22.1	26.5	26.6	29.6
New entrants	12.7	14.5	2.9	4.7	5.7	7.7	51.1	54.2	11.4	12.5	16.8	20.4
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE												
Job losers	5.1	3.5	6.1	4.0	4.1	3.0	3.9	2.5	4.5	3.0	11.0	8.0
Job leavers .....	.8	.8	.6	.5	.9	1.0	1.3	1.4	.7	.7	.1	.1
Reentrants	2.1	2.0	1.2	1.2	2.9	2.8	4.6	3.4	1.7	1.6	5.2	4.8
New entrants	1.2	1.1	.2	.3	.5	.6	10.1	8.7	.9	.8	3.3	3.3

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Reason, sex, and age	August 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	8,382	100.0	41.4	31.0	27.6	9.9	17.7
Job losers	3,986	100.0	35.7	26.9	37.5	12.9	24.6
On layoff	1,047	100.0	53.0	24.2	22.8	9.7	13.1
Other job losers	2,939	100.0	29.5	27.8	42.7	14.0	28.7
Job leavers	901	100.0	48.7	30.4	20.9	10.0	10.9
Reentrants	2,283	100.0	48.7	32.2	19.1	7.3	11.8
New entrants	1,211	100.0	40.9	42.9	16.3	5.1	11.2
Men, 20 years and over	3,560	100.0	35.4	28.1	36.5	11.5	24.9
Job losers	2,390	100.0	33.5	24.4	42.1	13.2	28.9
On layoff	606	100.0	53.6	23.2	23.2	9.9	13.4
Other job losers	1,784	100.0	26.6	24.8	48.5	14.4	34.2
Job leavers	305	100.0	46.7	32.7	20.6	6.7	14.0
Reentrants	696	100.0	39.7	35.5	24.9	9.3	15.6
New entrants	169	100.0	25.6	41.9	32.5	5.4	27.2
Women, 20 years and over	3,378	100.0	45.6	29.1	25.3	10.4	14.9
Job losers	1,365	100.0	35.9	30.4	33.7	13.7	19.9
On layoff	402	100.0	49.9	25.7	24.4	10.6	13.8
Other job losers	963	100.0	30.1	32.4	37.5	15.0	22.5
Job leavers	472	100.0	48.5	30.4	21.0	12.0	9.0
Reentrants	1,280	100.0	55.1	26.5	18.3	7.0	11.4
New entrants	260	100.0	44.2	32.6	23.2	6.2	17.0
Both sexes, 16 to 19 years	1,445	100.0	46.0	42.6	11.4	5.1	6.3
Job losers	231	100.0	57.0	31.0	12.0	4.6	7.4
On layoff	40	100.0	(¹)	(¹)	(¹)	(¹)	(¹)
Other job losers	191	100.0	53.0	32.4	14.6	5.8	8.9
Job leavers	123	100.0	54.4	24.5	21.1	10.7	10.5
Reentrants	307	100.0	42.0	48.5	9.5	4.5	5.0
New entrants	783	100.0	43.1	46.5	10.4	4.6	5.8

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	
	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984
	Total, 16 years and over	10,411	8,382	100.0	100.0	8,884	6,933	100.0
Less than 5 weeks	3,521	3,466	33.8	41.4	2,737	2,646	30.8	38.2
5 to 14 weeks	3,265	2,599	31.4	31.0	2,708	2,119	30.5	30.6
5 to 10 weeks	2,371	1,845	22.8	22.0	1,971	1,505	22.2	21.7
11 to 14 weeks	894	754	8.6	9.0	737	614	8.3	8.9
15 weeks and over	3,626	2,317	34.8	27.6	3,439	2,168	38.7	31.3
15 to 26 weeks	1,133	834	10.9	9.9	1,056	769	11.9	11.1
27 weeks and over	2,493	1,483	23.9	17.7	2,383	1,400	26.8	20.2
27 to 51 weeks	1,098	549	10.5	6.5	1,045	524	11.8	7.6
52 weeks and over	1,394	934	13.4	11.1	1,338	876	15.1	12.6
Average (mean) duration, in weeks	19.5	16.9	-	-	21.3	18.6	-	-
Median duration, in weeks	9.2	7.2	-	-	10.2	8.2	-	-

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	
								Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984
	August 1984										
Total, 16 years and over	8,382	3,466	2,599	834	1,483	16.9	7.2	33.8	41.4	34.8	27.6
16 to 19 years	1,445	665	615	74	91	9.0	5.8	40.0	46.0	13.4	11.4
20 to 24 years	1,867	796	630	177	265	14.5	6.6	37.0	42.6	30.0	23.6
25 to 34 years	2,268	952	615	243	458	18.3	7.3	33.4	42.0	39.6	30.9
35 to 44 years	1,383	535	375	160	313	20.1	8.5	28.6	38.7	45.2	34.2
45 to 54 years	779	292	196	96	195	22.7	9.7	26.1	37.5	47.7	37.4
55 to 64 years	541	185	139	78	139	23.2	10.2	29.4	34.3	50.6	40.1
65 years and over	99	41	29	6	22	20.1	7.0	40.3	41.2	27.4	29.2
Men, 16 years and over	4,273	1,568	1,313	452	940	20.0	8.5	29.0	36.7	41.4	32.6
16 to 19 years	713	306	312	42	53	9.6	6.3	39.0	43.0	14.8	13.2
20 to 24 years	989	379	340	102	168	16.7	7.6	30.2	38.3	36.2	27.3
25 to 34 years	1,135	407	298	124	305	22.8	9.2	28.0	35.9	49.8	37.8
35 to 44 years	703	231	185	82	205	24.5	10.1	23.5	32.8	51.8	40.8
45 to 54 years	356	118	87	48	103	26.3	11.4	21.1	33.1	54.6	42.5
55 to 64 years	326	104	74	52	95	25.7	12.1	22.6	31.9	56.0	45.3
65 years and over	52	23	15	3	11	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	4,110	1,899	1,286	382	543	13.7	6.0	39.9	46.2	26.6	22.5
16 to 19 years	732	359	303	32	38	8.3	5.2	41.2	49.0	11.7	9.6
20 to 24 years	878	417	290	75	96	12.1	5.5	45.7	47.5	22.0	19.5
25 to 34 years	1,134	545	317	119	153	13.8	5.5	40.2	48.1	26.6	24.0
35 to 44 years	680	304	189	78	108	15.5	7.1	34.6	44.8	37.2	27.4
45 to 54 years	424	175	109	48	92	19.7	8.1	32.0	41.2	39.8	33.1
55 to 64 years	216	82	64	26	44	19.5	8.5	40.2	37.8	42.2	32.3
65 years and over	47	17	14	4	11	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	6,117	2,629	1,851	632	1,004	16.2	6.8	34.7	43.0	34.1	26.7
Men	3,145	1,190	943	360	651	19.5	8.3	29.9	37.8	40.5	32.2
Women	2,972	1,439	908	272	353	12.7	5.4	40.8	48.4	25.9	21.0
Black, 16 years and over	2,009	716	664	179	449	19.5	7.7	30.6	35.7	38.0	31.3
Men	991	315	325	79	272	22.3	8.6	24.5	31.8	46.4	35.4
Women	1,018	401	339	100	178	16.8	6.8	37.4	39.4	28.8	27.3
Men, 16 years and over:											
Married, spouse present	1,674	587	429	183	474	23.8	9.4	26.5	35.1	50.9	39.3
Widowed, divorced, or separated	464	176	137	53	97	20.3	8.9	25.1	38.0	51.7	32.4
Single (never married)	2,135	805	746	215	369	16.9	8.0	32.1	37.7	30.7	27.4
Women, 16 years and over:											
Married, spouse present	1,734	828	500	193	214	13.3	5.7	43.6	47.7	26.9	23.4
Widowed, divorced, or separated	848	377	231	80	159	17.8	6.8	31.5	44.5	38.0	28.2
Single (never married)	1,528	694	555	109	170	11.9	6.0	39.9	45.4	20.5	18.3

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	
	August 1984							Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984
OCCUPATION											
Managerial and professional specialty	792	296	286	69	141	17.0	8.5	32.7	37.3	33.4	26.6
Technical, sales, and administrative support	1,716	758	509	202	247	13.9	6.5	36.4	44.2	32.9	26.1
Service occupations	1,457	630	429	132	265	17.2	6.6	37.7	43.3	30.1	27.3
Precision production, craft, and repair	870	372	204	126	167	18.4	6.9	29.8	42.8	47.7	33.7
Operators, fabricators, and laborers	2,025	758	567	213	486	21.2	8.5	29.2	37.5	45.9	34.5
Farming, forestry, and fishing	260	133	61	24	42	13.8	4.9	49.2	51.0	16.9	25.6
INDUSTRY¹											
Agriculture	198	112	43	19	24	10.3	4.4	51.3	56.4	11.7	22.0
Construction	683	306	158	102	117	14.3	6.6	30.4	44.7	43.2	32.1
Manufacturing	1,574	560	414	196	404	23.4	9.4	27.8	35.6	48.5	38.1
Durable goods	892	297	234	105	256	26.2	10.0	26.6	33.3	52.7	40.5
Nondurable goods	683	263	180	91	148	19.8	8.6	29.9	38.6	41.4	35.0
Transportation and public utilities	416	145	124	42	105	22.1	9.9	31.7	34.8	44.5	35.5
Wholesale and retail trade	1,601	709	494	158	240	14.3	6.2	36.2	44.3	32.1	24.9
Finance and service industries	2,147	883	679	222	366	16.9	7.6	37.7	41.1	31.0	27.3
Public administration	247	110	98	14	25	11.0	5.7	27.7	44.6	37.2	15.9
No previous work experience	1,218	500	521	61	135	13.5	7.1	34.2	41.0	15.4	16.2

¹ Includes wage and salary workers only.

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

Sex, age, and race	August 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	8,382	7,118	24.2	6.7	76.1	36.7	18.1	4.3	1.66
16 to 19 years	1,445	1,374	13.9	2.1	83.5	28.3	16.7	2.3	1.45
20 to 24 years	1,867	1,634	26.3	8.6	75.2	39.8	16.7	2.8	1.69
25 to 34 years	2,268	1,873	27.8	7.3	76.4	39.0	19.1	4.8	1.74
35 to 44 years	1,383	1,134	30.2	8.6	72.2	40.9	20.2	5.1	1.77
45 to 54 years	779	620	23.7	6.6	77.6	38.4	17.9	4.8	1.69
55 to 64 years	541	400	20.5	8.7	67.0	34.0	17.7	9.7	1.58
65 years and over	99	83	10.8	-	55.4	39.8	20.5	12.0	1.39
Men, 16 years and over	4,273	3,553	27.1	7.4	76.4	35.9	21.1	5.0	1.73
16 to 19 years	713	664	17.6	2.3	80.9	27.0	17.2	1.5	1.46
20 to 24 years	989	859	27.4	9.7	76.7	37.6	22.2	2.8	1.76
25 to 34 years	1,135	914	32.9	8.0	77.4	40.6	22.2	6.2	1.87
35 to 44 years	703	549	34.4	9.1	71.9	39.5	22.0	6.6	1.84
45 to 54 years	356	288	24.3	6.3	78.8	33.0	22.6	5.2	1.70
55 to 64 years	326	238	19.3	9.2	70.6	30.3	18.5	13.0	1.61
65 years and over	52	41	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	4,110	3,565	21.3	6.1	75.8	37.5	15.1	3.5	1.59
16 to 19 years	732	710	10.4	1.8	85.9	25.9	16.3	3.1	1.44
20 to 24 years	878	775	25.0	7.5	73.3	42.3	10.6	2.8	1.62
25 to 34 years	1,134	959	22.8	6.5	75.6	37.5	16.2	3.3	1.62
35 to 44 years	680	585	26.2	8.2	72.5	42.1	18.5	3.8	1.71
45 to 54 years	424	332	23.2	6.9	76.5	42.8	13.9	4.5	1.68
55 to 64 years	216	162	22.2	8.0	61.1	40.1	16.7	4.9	1.53
65 years and over	47	41	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	6,117	5,050	23.1	7.0	78.6	38.1	17.3	4.8	1.67
Men	3,145	2,547	26.6	7.9	77.6	37.3	20.2	5.7	1.75
Women	2,972	2,503	19.5	6.2	75.5	38.9	14.4	3.9	1.58
Black, 16 years and over	2,009	1,851	27.3	5.4	75.5	19.0	33.1	2.9	1.63
Men	991	895	28.5	5.6	73.9	22.7	31.1	3.1	1.65
Women	1,018	956	26.3	5.2	77.2	15.6	34.9	2.7	1.62

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	August 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	8,382	7,118	24.2	6.7	76.1	36.7	18.1	4.3	1.66
Job losers ¹	3,986	2,928	32.2	8.6	77.3	39.1	20.5	4.4	1.82
Job leavers	901	878	19.5	7.7	74.9	41.7	17.4	5.0	1.66
Reentrants	2,283	2,136	19.0	4.7	72.5	35.7	14.9	4.4	1.51
New entrants	1,211	1,176	17.0	4.8	80.8	28.9	18.4	3.1	1.53
Men, 16 years and over	4,273	3,553	27.1	7.4	76.4	35.9	21.1	5.0	1.73
Job losers ¹	2,539	1,906	33.1	8.2	77.2	37.2	22.0	5.2	1.83
Job leavers	362	352	22.2	9.4	79.3	41.8	19.3	4.5	1.76
Reentrants	844	790	19.2	4.8	72.5	34.4	19.2	5.9	1.56
New entrants	528	504	20.0	6.7	77.8	29.4	21.6	3.0	1.59
Women, 16 years and over	4,110	3,565	21.3	6.1	75.8	37.5	15.1	3.5	1.59
Job losers ¹	1,447	1,022	30.7	9.4	77.5	42.7	17.8	2.7	1.81
Job leavers	539	526	17.5	6.7	72.1	41.6	16.2	5.3	1.59
Reentrants	1,439	1,345	18.7	4.7	72.6	36.4	12.3	3.5	1.48
New entrants	684	672	14.9	3.4	83.0	28.6	15.9	3.3	1.49

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	
	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984
All industries	103,167	106,694	58,645	60,673	44,522	46,021
16 to 19 years	7,737	7,579	4,059	3,963	3,679	3,616
16 to 17 years	3,059	3,043	1,642	1,596	1,417	1,446
18 to 19 years	4,679	4,537	2,417	2,366	2,262	2,170
20 to 24 years	14,461	14,649	7,764	7,914	6,696	6,735
25 to 54 years	66,815	70,355	38,335	40,379	28,479	29,977
25 to 34 years	28,903	30,648	16,456	17,539	12,448	13,109
35 to 44 years	21,996	23,461	12,632	13,364	9,364	10,097
45 to 54 years	15,915	16,248	9,248	9,475	6,668	6,772
55 to 64 years	11,260	11,341	6,702	6,732	4,558	4,608
55 to 59 years	6,808	6,873	4,098	4,098	2,711	2,774
60 to 64 years	4,452	4,468	2,605	2,634	1,847	1,834
65 years and over	2,894	2,770	1,784	1,686	1,110	1,084
Agriculture	3,988	3,713	3,155	2,962	833	750
16 to 19 years	561	442	459	348	102	93
16 to 17 years	290	237	244	180	46	56
18 to 19 years	270	205	215	168	56	37
20 to 24 years	549	467	449	368	101	98
25 to 54 years	2,059	1,965	1,571	1,531	489	434
25 to 34 years	904	828	731	690	173	138
35 to 44 years	590	609	434	451	156	158
45 to 54 years	565	527	406	389	159	138
55 to 64 years	535	547	425	459	109	88
55 to 59 years	300	290	238	236	61	54
60 to 64 years	235	257	187	222	48	34
65 years and over	284	293	251	256	33	37
Nonagricultural industries	99,179	102,982	55,490	57,711	43,689	45,271
16 to 19 years	7,177	7,137	3,600	3,614	3,577	3,523
16 to 17 years	2,768	2,806	1,398	1,416	1,371	1,390
18 to 19 years	4,408	4,331	2,202	2,198	2,206	2,133
20 to 24 years	13,911	14,182	7,316	7,545	6,595	6,637
25 to 54 years	64,755	68,391	36,765	38,848	27,990	29,543
25 to 34 years	27,999	29,819	15,725	16,849	12,274	12,971
35 to 44 years	21,406	22,851	12,199	12,913	9,207	9,939
45 to 54 years	15,350	15,720	8,841	9,087	6,509	6,634
55 to 64 years	10,726	10,794	6,277	6,274	4,449	4,520
55 to 59 years	6,509	6,583	3,859	3,862	2,650	2,721
60 to 64 years	4,217	4,211	2,417	2,412	1,799	1,800
65 years and over	2,610	2,477	1,533	1,429	1,077	1,048

**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	
	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984
Total	103,167	106,694	58,645	60,673	54,586	56,710	44,522	46,021	40,843	42,405
Managerial and professional specialty	23,044	24,460	13,690	14,458	13,602	14,362	9,355	10,001	9,233	9,878
Executive, administrative, and managerial	10,814	11,789	7,287	7,759	7,243	7,703	3,527	4,030	3,495	3,976
Officials and administrators, public administration	514	476	313	289	313	287	201	187	200	187
Other executive, administrative, and managerial	7,391	8,036	5,207	5,660	5,168	5,610	2,184	2,377	2,162	2,339
Management-related occupations	2,909	3,277	1,767	1,810	1,762	1,806	1,143	1,467	1,134	1,449
Professional specialty	12,230	12,671	6,402	6,700	6,359	6,659	5,827	5,971	5,738	5,902
Engineers	1,591	1,667	1,492	1,546	1,493	1,545	99	121	99	120
Mathematical and computer scientists	500	508	332	325	332	323	167	183	167	183
Natural scientists	341	398	268	311	269	309	73	87	70	87
Health diagnosing occupations	715	830	637	718	637	718	78	112	76	113
Health assessment and treating occupations	2,023	1,926	267	259	268	257	1,756	1,667	1,747	1,662
Teachers, college and university	480	522	319	325	320	323	160	197	159	195
Teachers, except college and university	2,697	2,852	740	795	732	791	1,957	2,057	1,921	2,034
Lawyers and judges	648	721	549	584	546	583	98	137	98	137
Other professional specialty occupations	3,235	3,245	1,796	1,836	1,762	1,808	1,439	1,409	1,400	1,371
Technical, sales, and administrative support	31,840	32,924	11,305	11,618	10,730	10,990	20,535	21,306	18,882	19,508
Technicians and related support	3,091	3,175	1,613	1,593	1,567	1,561	1,478	1,582	1,461	1,559
Health technologists and technicians	1,118	1,136	187	177	181	174	931	960	926	955
Engineering and science technicians	987	1,008	787	794	759	779	200	215	191	203
Technicians, except health, engineering, and science	987	1,030	639	622	628	607	347	408	345	401
Sales occupations	12,140	12,891	6,305	6,640	6,003	6,251	5,835	6,252	4,907	5,254
Supervisors and proprietors	3,002	3,243	2,188	2,251	2,160	2,230	814	992	795	966
Sales representatives, finance and business services	1,919	2,055	1,171	1,304	1,169	1,292	749	750	726	717
Sales representatives, commodities, except retail	1,451	1,473	1,214	1,216	1,209	1,215	237	257	225	254
Sales workers, retail and personal services	5,716	6,076	1,707	1,854	1,438	1,499	4,008	4,222	3,136	3,292
Sales-related occupations	52	44	26	14	25	15	27	30	25	26
Administrative support, including clerical	16,608	16,858	3,386	3,385	3,160	3,179	13,222	13,472	12,513	12,694
Supervisors	699	642	323	310	320	310	376	332	373	331
Computer equipment operators	628	712	229	270	219	258	399	442	370	417
Secretaries, stenographers, and typists	4,863	4,866	93	97	81	91	4,770	4,769	4,538	4,487
Financial records processing	2,468	2,511	252	261	245	254	2,216	2,250	2,157	2,186
Mail and message distributing	768	834	537	554	512	516	231	280	222	259
Other administrative support, including clerical	7,182	7,292	1,952	1,893	1,784	1,750	5,229	5,400	4,854	5,014
Service occupations	14,510	14,291	5,932	5,673	4,785	4,695	8,577	8,618	7,085	7,356
Private household	1,015	1,000	40	34	23	17	975	966	687	737
Protective service	1,827	1,757	1,561	1,495	1,503	1,443	267	262	202	205
Service, except private household and protective	11,667	11,535	4,331	4,145	3,259	3,235	7,336	7,390	6,196	6,415
Food service	5,042	5,072	1,930	1,903	1,237	1,253	3,112	3,168	2,364	2,472
Health service	1,788	1,795	192	157	173	142	1,596	1,638	1,459	1,542
Cleaning and building service	2,967	2,807	1,789	1,703	1,531	1,511	1,178	1,104	1,044	1,025
Personal service	1,870	1,861	420	381	317	329	1,450	1,481	1,329	1,376
Precision production, craft, and repair	12,794	13,641	11,753	12,488	11,396	12,047	1,041	1,153	1,005	1,110
Mechanics and repairers	4,230	4,477	4,094	4,321	3,979	4,188	136	156	131	146
Construction trades	4,602	5,023	4,527	4,926	4,353	4,699	75	98	61	94
Other precision production, craft, and repair	3,963	4,141	3,132	3,241	3,063	3,160	831	900	812	870
Operators, fabricators, and laborers	16,498	17,193	12,240	12,899	11,042	11,627	4,258	4,294	4,003	3,996
Machine operators, assemblers, and inspectors	7,905	8,105	4,661	4,840	4,425	4,589	3,243	3,264	3,123	3,104
Manufacturing industries	6,632	6,824	3,813	4,021	3,642	3,851	2,819	2,803	2,734	2,676
Durable goods	3,493	3,728	2,393	2,618	2,284	2,509	1,100	1,110	1,077	1,061
Nondurable goods	3,139	3,096	1,420	1,403	1,359	1,342	1,718	1,692	1,657	1,614
Nonmanufacturing industries	1,273	1,281	848	819	783	737	425	461	389	429
Transportation and material moving occupations	4,198	4,480	3,908	4,169	3,784	4,032	290	311	276	299
Motor vehicle operators	2,946	3,187	2,701	2,937	2,605	2,826	245	250	232	237
Other transportation and material moving occupations	1,252	1,293	1,207	1,232	1,178	1,206	45	61	43	61
Handlers, equipment cleaners, helpers, and laborers	4,396	4,608	3,671	3,890	2,833	3,006	724	718	605	593
Construction laborers	674	732	654	716	546	609	20	17	15	14
Other handlers, equipment cleaners, helpers, and laborers	3,721	3,875	3,018	3,174	2,287	2,398	705	702	590	580
Farming, forestry, and fishing	4,481	4,185	3,725	3,537	3,032	2,990	756	649	634	557
Farm operators and managers	1,528	1,576	1,343	1,390	1,325	1,368	185	186	186	183
Other farming, forestry, and fishing occupations	2,952	2,609	2,382	2,147	1,708	1,622	570	463	448	374

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	August 1983	August 1984	August 1983	August 1984	August 1983	August 1984
TOTAL						
Total, 16 years and over (thousands)	103,167	106,694	58,645	60,673	44,522	46,021
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	22.3	22.9	23.3	23.8	21.0	21.7
Executive, administrative, and managerial	10.5	11.0	12.4	12.8	7.9	8.8
Professional specialty	11.9	11.9	10.9	11.0	13.1	13.0
Technical, sales, and administrative support	30.9	30.9	19.3	19.1	46.1	46.3
Technicians and related support	3.0	3.0	2.8	2.6	3.3	3.4
Sales occupations	11.8	12.1	10.8	10.9	13.1	13.6
Administrative support, including clerical	16.1	15.8	5.8	5.6	29.7	29.3
Service occupations	14.1	13.4	10.1	9.4	19.3	18.7
Private household	1.0	.9	.1	.1	2.2	2.1
Protective service	1.8	1.6	2.7	2.5	.6	.6
Service, except private household and protective	11.3	10.8	7.4	6.8	16.5	16.1
Precision production, craft, and repair	12.4	12.8	20.0	20.6	2.3	2.5
Operators, fabricators, and laborers	16.0	16.1	20.9	21.3	9.6	9.3
Machine operators, assemblers, and inspectors	7.7	7.6	7.9	8.0	7.3	7.1
Transportation and material moving occupations	4.1	4.2	6.7	6.9	.7	.7
Handlers, equipment cleaners, helpers, and laborers	4.3	4.3	6.3	6.4	1.6	1.6
Farming, forestry, and fishing	4.3	3.9	6.4	5.8	1.7	1.4
White						
Total, 16 years and over (thousands)	90,908	93,299	52,271	53,729	38,637	39,570
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	23.2	23.8	24.4	24.9	21.7	22.4
Executive, administrative, and managerial	11.1	11.7	13.1	13.5	8.4	9.2
Professional specialty	12.1	12.2	11.3	11.4	13.3	13.2
Technical, sales, and administrative support	31.5	31.5	19.7	19.6	47.5	47.7
Technicians and related support	3.0	3.0	2.7	2.7	3.2	3.4
Sales occupations	12.4	12.7	11.4	11.6	13.8	14.3
Administrative support, including clerical	16.1	15.8	5.5	5.3	30.4	30.0
Service occupations	12.8	12.1	9.1	8.3	17.9	17.1
Private household .....	.8	.7	.1	.1	1.8	1.7
Protective service	1.7	1.6	2.6	2.3	.6	.6
Service, except private household and protective	10.3	9.7	6.4	5.9	15.5	14.9
Precision production, craft, and repair	12.8	13.2	20.5	21.1	2.3	2.5
Operators, fabricators, and laborers	15.2	15.4	19.9	20.2	8.9	8.8
Machine operators, assemblers, and inspectors	7.2	7.2	7.6	7.7	6.7	6.6
Transportation and material moving occupations	4.0	4.0	6.5	6.6	.6	.6
Handlers, equipment cleaners, helpers, and laborers	4.0	4.1	5.8	6.0	1.6	1.5
Farming, forestry, and fishing	4.4	4.0	6.4	5.9	1.8	1.5
Black						
Total, 16 years and over (thousands)	9,633	10,456	4,917	5,323	4,716	5,133
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	13.6	13.8	11.3	12.0	16.0	15.7
Executive, administrative, and managerial	5.1	5.8	5.4	6.2	4.8	5.4
Professional specialty	8.5	8.0	5.9	5.8	11.2	10.3
Technical, sales, and administrative support	25.8	25.6	14.6	13.9	37.3	37.6
Technicians and related support	2.8	2.8	2.1	1.8	3.5	3.8
Sales occupations	6.1	6.2	4.2	4.1	8.1	8.4
Administrative support, including clerical	16.9	16.6	8.3	8.0	25.8	25.4
Service occupations	24.8	24.2	19.8	18.2	30.1	30.4
Private household	2.9	2.7	.2	.1	5.8	5.4
Protective service	2.3	2.3	3.9	3.9	.6	.8
Service, except private household and protective	19.6	19.2	15.6	14.3	23.7	24.3
Precision production, craft, and repair	9.1	9.9	15.9	16.9	1.9	2.6
Operators, fabricators, and laborers	23.2	23.1	32.4	33.1	13.6	12.7
Machine operators, assemblers, and inspectors	11.0	10.5	11.3	11.1	10.7	9.9
Transportation and material moving occupations	5.5	6.1	9.9	11.0	.9	1.0
Handlers, equipment cleaners, helpers, and laborers	6.7	6.6	11.1	11.1	2.0	1.9
Farming, forestry, and fishing	3.6	3.4	6.0	5.8	1.1	.9

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

(In thousands)

Age and sex	August 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	94,773	1,274	15,119	78,380	7,892	317	1,759	1,692	262
16 to 19 years	7,041	326	476	6,238	69	27	323	56	63
16 to 17 years	2,761	227	198	2,336	28	17	172	28	37
18 to 19 years	4,280	100	278	3,903	41	10	151	28	26
20 to 24 years	13,803	116	1,172	12,515	349	31	318	117	31
25 to 34 years	27,787	180	4,277	23,330	1,978	55	486	316	27
35 to 44 years	20,634	178	4,054	16,402	2,141	77	294	259	57
45 to 54 years	14,093	179	2,860	11,054	1,559	69	164	327	36
55 to 64 years	9,526	194	1,955	7,377	1,232	37	129	386	31
55 to 59 years	5,835	100	1,242	4,493	732	15	75	197	18
60 to 64 years	3,690	93	713	2,884	499	21	54	190	13
65 years and over	1,890	101	326	1,463	564	23	46	231	16
Men, 16 years and over	52,411	207	7,596	44,608	5,251	49	1,400	1,487	76
16 to 19 years	3,539	91	239	3,209	55	21	251	54	43
16 to 17 years	1,381	62	96	1,223	25	11	127	25	28
18 to 19 years	2,158	29	143	1,986	30	10	124	28	15
20 to 24 years	7,316	36	535	6,745	215	14	246	105	17
25 to 34 years	15,552	17	2,097	13,438	1,294	3	405	282	4
35 to 44 years	11,503	22	2,068	9,413	1,410	-	232	219	-
45 to 54 years	8,051	18	1,494	6,540	1,030	5	121	267	1
55 to 64 years	5,416	13	1,007	4,396	857	-	104	354	1
55 to 59 years	3,353	7	652	2,693	511	-	61	174	1
60 to 64 years	2,064	5	355	1,704	346	2	44	179	-
65 years and over	1,033	10	156	867	390	6	40	206	9
Women, 16 years and over	42,362	1,067	7,523	33,772	2,641	268	359	205	186
16 to 19 years	3,502	236	237	3,029	14	6	71	2	20
16 to 17 years	1,380	165	102	1,113	3	7	45	3	9
18 to 19 years	2,123	71	135	1,916	11	-	26	-	11
20 to 24 years	6,487	79	637	5,770	134	16	72	12	14
25 to 34 years	12,235	163	2,180	9,892	684	52	81	34	23
35 to 44 years	9,131	156	1,986	6,989	730	77	62	39	57
45 to 54 years	6,041	162	1,365	4,514	529	63	43	60	36
55 to 64 years	4,109	181	948	2,981	375	36	25	33	30
55 to 59 years	2,483	93	590	1,800	222	16	14	23	17
60 to 64 years	1,627	88	358	1,181	153	20	11	10	13
65 years and over	857	91	170	597	175	16	6	24	6

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-25. Employed civilians by industry and occupation

(In thousands)

Industry	August 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	3,713	59	61	24	20	111	-	21	37	14	48	15	3,302
Mining	1,048	162	94	47	16	149	-	12	351	28	142	47	1
Construction	7,203	785	143	53	50	434	-	26	4,240	72	467	903	31
Manufacturing	21,284	2,173	1,549	732	738	2,678	-	429	4,046	6,824	875	1,138	102
Durable goods	12,891	1,375	1,096	540	329	1,591	-	238	2,879	3,728	460	577	78
Nondurable goods	8,393	798	453	192	410	1,087	-	191	1,166	3,096	415	561	25
Transportation and public utilities	7,493	763	427	246	273	1,998	-	226	1,341	122	1,673	406	18
Wholesale and retail trade	22,673	1,817	395	120	9,453	2,187	-	4,279	1,488	305	832	1,764	34
Wholesale trade	4,306	418	90	57	1,706	779	-	45	305	162	395	332	17
Retail trade	18,367	1,399	304	63	7,748	1,408	-	4,234	1,183	143	437	1,431	17
Finance, insurance, and real estate	6,880	1,592	159	112	1,633	2,887	-	281	104	11	13	16	73
Services	31,444	3,464	9,110	1,629	688	5,008	1,000	6,870	1,789	699	377	286	523
Private households	1,280	4	9	10	4	6	1,000	69	5	3	10	6	155
Other service industries	30,164	3,460	9,101	1,619	684	5,001	-	6,802	1,784	696	367	280	368
Professional services	20,073	2,002	8,125	1,361	100	3,735	-	3,846	342	173	182	69	138
Public administration	4,957	973	733	211	21	1,405	-	1,147	246	30	53	35	101

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					
	Aug. 1983	Aug. 1984	Total		Wage and salary workers ¹			
			Aug. 1983	Aug. 1984	Paid absences		Unpaid absences	
					Aug. 1983	Aug. 1984	Aug. 1983	Aug. 1984
Total, 16 years and over	11,841	10,936	11,666	10,774	6,435	6,041	4,448	3,906
Vacation	9,062	8,699	8,972	8,607	5,707	5,375	2,782	2,720
Illness	1,240	1,246	1,194	1,212	497	467	611	645
Bad weather	46	20	30	14	(²)	(²)	(²)	(²)
Industrial dispute	549	83	549	83	(²)	(²)	(²)	(²)
All other reasons	944	889	921	858	231	199	1,054	540
Men, 16 years and over	5,411	4,985	5,275	4,855	3,442	3,174	1,448	1,245
Vacation	4,032	3,896	3,964	3,827	3,024	2,815	712	749
Illness	680	674	642	645	306	275	296	319
All other reasons ³	699	415	669	384	112	84	441	177
Women, 16 years and over	6,430	5,951	6,391	5,919	2,991	2,867	3,001	2,660
Vacation	5,030	4,803	5,008	4,780	2,682	2,560	2,072	1,971
Illness	561	572	552	567	191	192	316	326
All other reasons ³	839	577	831	571	119	115	614	363

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	August 1984					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over	95,758	3,550	92,208	100.0	100.0	100.0
1 to 34 hours	21,630	925	20,706	22.6	26.0	22.5
1 to 4 hours	736	48	688	.8	1.4	.7
5 to 14 hours	3,257	218	3,039	3.4	6.1	3.3
15 to 29 hours	10,884	444	10,440	11.4	12.5	11.3
30 to 34 hours	6,753	215	6,539	7.1	6.1	7.1
35 hours and over	74,127	2,626	71,502	77.4	74.0	77.5
35 to 39 hours	6,638	146	6,492	6.9	4.1	7.0
40 hours	41,327	727	40,600	43.2	20.5	44.0
41 hours and over	26,162	1,753	24,410	27.3	49.4	26.5
41 to 48 hours	9,582	244	9,338	10.0	6.9	10.1
49 to 59 hours	9,254	522	8,733	9.7	14.7	9.5
60 hours and over	7,326	987	6,339	7.7	27.8	6.9
Average hours, total at work	39.4	45.5	39.2	-	-	-
Average hours, workers on full-time schedules	43.2	52.6	42.9	-	-	-

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	August 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	21,630	7,130	14,501	20,706	6,871	13,836
Economic reasons	6,044	1,861	4,183	5,774	1,780	3,994
Slack work	2,269	1,325	944	2,132	1,251	881
Material shortages or repairs to plant and equipment	84	84	-	84	84	-
New job started during week	280	280	-	276	276	-
Job terminated during week	172	172	-	169	169	-
Could find only part-time work	3,239	-	3,239	3,114	-	3,114
Other reasons	15,586	5,268	10,318	14,932	5,091	9,841
Does not want, or unavailable for, full-time work	8,265	-	8,265	7,911	-	7,911
Vacation	2,294	2,294	-	2,232	2,232	-
Illness	1,281	1,140	141	1,249	1,117	132
Bad weather	180	180	-	141	141	-
Industrial dispute	9	9	-	9	9	-
Legal or religious holiday	144	144	-	144	144	-
Full time for this job	1,384	-	1,384	1,350	-	1,350
All other reasons	2,031	1,502	529	1,897	1,448	449
Average hours:						
Economic reasons	22.0	24.1	21.1	22.1	24.0	21.3
Other reasons	21.9	25.4	20.2	22.0	25.4	20.3
Worked 30 to 34 hours:						
Economic reasons	1,928	847	1,081	1,858	802	1,056
Other reasons	4,825	2,519	2,306	4,681	2,452	2,229

**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	August 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	92,208	5,774	9,841	76,593	52,183	9,338	15,072	39.2	42.9
Wage and salary workers	84,758	5,273	8,645	70,840	49,500	8,685	12,655	39.0	42.5
Mining	939	41	27	871	181	131	281	45.5	47.3
Construction	5,533	415	207	4,911	3,412	643	856	40.1	42.5
Manufacturing	19,324	647	513	18,164	12,577	2,611	2,976	41.3	42.5
Durable goods	11,732	238	234	11,260	7,725	1,634	1,901	41.8	42.6
Nondurable goods	7,592	409	280	6,903	4,852	977	1,074	40.4	42.3
Transportation and public utilities	6,481	215	226	6,040	4,002	718	1,320	42.3	43.7
Wholesale and retail trade	19,008	2,022	3,461	13,525	8,581	1,981	2,963	37.2	43.4
Finance, insurance, and real estate	5,811	143	464	5,204	3,842	574	788	39.5	41.5
Service industries	23,145	1,711	3,552	17,882	13,376	1,632	2,874	36.8	41.7
Private households	1,208	286	482	440	306	48	86	24.9	42.9
All other industries	21,937	1,425	3,070	17,442	13,070	1,584	2,788	37.5	41.7
Public administration	4,517	79	195	4,243	3,250	395	598	40.6	41.9
Self-employed workers	7,133	486	1,089	5,558	2,593	626	2,339	41.2	47.6
Unpaid family workers	317	15	108	194	90	26	78	38.2	48.4

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Sex, age, race, and marital status	August 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	92,208	5,774	9,841	76,593	52,183	24,410	39.2	42.9
16 to 19 years	6,775	1,333	2,129	3,313	2,632	681	30.3	40.6
16 to 17 years	2,653	584	1,228	841	703	138	25.6	39.1
18 to 19 years	4,122	748	901	2,473	1,930	543	33.4	41.1
20 years and over	85,433	4,442	7,712	73,279	49,551	23,728	39.9	43.0
20 to 24 years	13,324	1,198	1,327	10,799	7,903	2,896	38.2	41.9
25 years and over	72,109	3,244	6,384	62,481	41,647	20,834	40.2	43.2
25 to 44 years	46,925	2,148	3,347	41,430	27,177	14,253	40.8	43.4
45 to 64 years	23,023	997	2,048	19,978	13,725	6,253	40.0	42.9
65 years and over	2,160	99	989	1,072	743	329	29.5	42.4
Men, 16 years and over	52,856	2,696	2,768	47,392	28,999	18,393	41.9	44.3
16 to 19 years	3,446	670	949	1,827	1,393	434	31.4	41.2
16 to 17 years	1,336	315	541	480	391	89	26.5	39.7
18 to 19 years	2,110	355	408	1,347	1,002	345	34.5	41.7
20 years and over	49,410	2,027	1,820	45,563	27,603	17,960	42.7	44.4
20 to 24 years	7,171	619	458	6,094	4,051	2,043	39.9	43.0
25 years and over	42,238	1,408	1,362	39,468	23,550	15,918	43.2	44.7
25 to 44 years	27,254	927	433	25,894	15,083	10,811	43.8	44.9
45 to 64 years	13,718	428	430	12,860	7,977	4,883	42.9	44.3
65 years and over	1,266	52	499	715	490	225	31.7	42.9
Women, 16 years and over	39,352	3,078	7,073	29,201	23,185	6,016	35.5	40.6
16 to 19 years	3,329	663	1,181	1,485	1,237	248	29.1	39.9
16 to 17 years	1,317	269	687	361	311	50	24.6	38.3
18 to 19 years	2,012	394	494	1,124	926	198	32.1	40.4
20 years and over	36,023	2,414	5,892	27,717	21,949	5,768	36.1	40.6
20 to 24 years	6,152	579	870	4,703	3,850	853	36.2	40.4
25 years and over	29,870	1,836	5,022	23,012	18,097	4,915	36.1	40.7
25 to 44 years	19,672	1,221	2,914	15,537	12,095	3,442	36.6	40.8
45 to 64 years	9,305	570	1,619	7,116	5,746	1,370	35.8	40.5
65 years and over	894	46	489	359	256	103	26.4	41.3
RACE								
White, 16 years and over	80,568	4,696	8,898	66,974	44,566	22,408	39.3	43.0
Men	46,736	2,177	2,457	42,102	25,094	17,008	42.2	44.5
Women	33,832	2,519	6,441	24,872	19,472	5,400	35.4	40.6
Black, 16 years and over	9,018	897	712	7,409	6,039	1,370	37.8	41.3
Men	4,662	430	228	4,004	3,061	943	39.6	42.5
Women	4,356	467	484	3,405	2,978	427	35.9	39.9
MARITAL STATUS								
Men, 16 years and over:								
Married, spouse present	33,969	964	1,006	31,999	18,856	13,143	43.4	44.7
Widowed, divorced, or separated	4,825	272	188	4,365	2,544	1,821	42.7	45.0
Single (never married)	14,062	1,460	1,574	11,028	7,599	3,429	38.3	42.9
Women, 16 years and over:								
Married, spouse present	20,712	1,217	4,257	15,238	12,238	3,000	35.1	40.3
Widowed, divorced, or separated	7,817	570	879	6,368	4,814	1,554	37.5	41.3
Single (never married)	10,823	1,291	1,938	7,594	6,132	1,462	34.8	40.6

**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	August 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	91,758	5,668	9,771	76,320	51,906	9,292	15,122	39.2	42.9	
Managerial and professional specialty	20,355	415	1,395	18,545	11,253	2,188	5,105	41.9	44.0	
Executive, administrative, and managerial	10,800	130	419	10,251	5,755	1,289	3,207	43.7	45.0	
Professional specialty	9,555	285	976	8,294	5,498	898	1,898	39.9	42.9	
Technical, sales, and administrative support	30,043	1,608	4,293	24,143	17,472	2,740	3,931	37.8	41.9	
Technicians and related support	2,923	79	294	2,550	1,946	274	330	39.2	41.5	
Sales occupations	11,823	940	2,040	8,844	5,001	1,279	2,564	38.6	44.5	
Administrative support, including clerical	15,297	589	1,959	12,749	10,525	1,187	1,037	37.0	40.2	
Service occupations	12,896	1,792	2,856	8,247	6,137	859	1,251	34.6	42.4	
Private household	946	209	396	341	247	34	60	25.0	42.2	
Protective service	1,574	61	95	1,418	878	187	353	42.7	45.1	
Service, except private household and protective	10,376	1,523	2,366	6,487	5,012	638	837	34.2	41.8	
Precision production, craft, and repair	12,617	629	390	11,597	7,583	1,610	2,404	41.7	43.4	
Operators, fabricators, and laborers	15,847	1,223	837	13,787	9,461	1,894	2,432	40.3	43.0	
Machine operators, assemblers, and inspectors	7,540	399	247	6,894	5,102	987	805	40.2	41.7	
Transportation and material moving occupations	4,002	275	133	3,594	1,921	460	1,213	44.2	46.7	
Handlers, equipment cleaners, helpers, and laborers	4,305	549	457	3,299	2,438	447	414	37.0	41.7	
Men, 16 years and over	52,314	2,583	2,663	47,067	28,683	6,314	12,071	42.1	44.4	
Managerial and professional specialty	12,784	193	408	12,183	6,613	1,503	4,066	44.3	45.5	
Executive, administrative, and managerial	7,167	84	167	6,916	3,490	900	2,527	45.2	46.1	
Professional specialty	5,617	109	241	5,267	3,124	603	1,540	43.1	44.7	
Technical, sales, and administrative support	10,772	391	715	9,667	5,512	1,370	2,784	42.3	44.8	
Technicians and related support	1,488	31	64	1,393	981	158	254	41.6	42.8	
Sales occupations	6,169	243	473	5,453	2,534	842	2,077	43.5	46.6	
Administrative support, including clerical	3,115	116	179	2,820	1,997	370	453	40.4	42.3	
Service occupations	5,245	598	702	3,945	2,767	432	746	38.1	43.5	
Private household	30	6	10	14	7	5	2	(¹)	(¹)	
Protective service	1,350	47	66	1,237	755	159	323	43.3	45.4	
Service, except private household and protective	3,865	545	626	2,695	2,005	269	421	36.4	42.7	
Precision production, craft, and repair	11,573	578	289	10,706	6,907	1,504	2,295	42.0	43.6	
Operators, fabricators, and laborers	11,939	823	550	10,566	6,883	1,504	2,179	41.3	43.7	
Machine operators, assemblers, and inspectors	4,494	149	84	4,261	2,944	676	640	41.6	42.5	
Transportation and material moving occupations	3,788	238	114	3,436	1,811	434	1,191	44.7	47.0	
Handlers, equipment cleaners, helpers, and laborers	3,657	436	352	2,869	2,128	394	347	37.4	41.6	
Women, 16 years and over	39,444	3,084	7,107	29,253	23,223	2,978	3,052	35.5	40.6	
Managerial and professional specialty	7,571	222	986	6,362	4,639	685	1,039	37.8	41.2	
Executive, administrative, and managerial	3,634	46	252	3,335	2,265	389	681	40.7	42.5	
Professional specialty	3,937	176	734	3,027	2,374	295	358	35.2	39.8	
Technical, sales, and administrative support	19,271	1,217	3,578	14,476	11,960	1,370	1,147	35.3	40.1	
Technicians and related support	1,436	48	231	1,157	965	116	76	36.7	40.0	
Sales occupations	5,654	697	1,567	3,390	2,467	436	487	33.2	41.2	
Administrative support, including clerical	12,181	472	1,780	9,929	8,528	817	584	36.1	39.7	
Service occupations	7,650	1,194	2,155	4,302	3,370	427	504	32.1	41.3	
Private household	915	203	385	327	240	30	58	24.8	41.9	
Protective service	224	13	29	182	123	29	30	39.1	42.8	
Service, except private household and protective	6,511	978	1,740	3,793	3,007	369	417	32.9	41.2	
Precision production, craft, and repair	1,043	51	101	891	676	106	109	38.4	41.3	
Operators, fabricators, and laborers	3,908	400	287	3,221	2,579	390	253	37.4	40.7	
Machine operators, assemblers, and inspectors	3,046	249	164	2,633	2,158	311	164	38.1	40.5	
Transportation and material moving occupations	213	37	18	158	110	26	22	35.7	41.2	
Handlers, equipment cleaners, helpers, and laborers	649	113	105	430	310	53	67	35.1	42.3	

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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
TOTAL													
Noninstitutional population ¹	176,122	176,297	176,474	176,636	176,809	177,219	177,363	177,510	177,662	177,813	177,974	178,138	178,295
Labor force ¹	113,799	113,924	113,561	113,720	113,824	113,901	114,377	114,598	114,938	115,493	115,567	115,636	115,206
Percent of population ²	64.6	64.6	64.3	64.4	64.4	64.3	64.5	64.6	64.7	65.0	64.9	64.9	64.6
Total employed ¹	103,166	103,571	103,665	104,291	104,629	104,876	105,576	105,826	106,095	106,978	107,438	107,093	106,681
Employment-population ratio ³	58.6	58.7	58.7	59.0	59.2	59.2	59.5	59.6	59.7	60.2	60.4	60.1	59.8
Resident Armed Forces	1,682	1,695	1,695	1,685	1,688	1,686	1,684	1,686	1,693	1,690	1,690	1,698	1,712
Civilian employed	101,484	101,876	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748	105,395	104,969
Agriculture	3,449	3,308	3,240	3,257	3,356	3,271	3,395	3,281	3,393	3,389	3,403	3,345	3,224
Nonagricultural industries	98,035	98,568	98,730	99,349	99,585	99,918	100,496	100,859	101,009	101,899	102,344	102,050	101,744
Unemployed	10,633	10,353	9,896	9,429	9,195	9,026	8,801	8,772	8,843	8,514	8,130	8,543	8,526
Unemployment rate ⁴	9.3	9.1	8.7	8.3	8.1	7.9	7.7	7.7	7.7	7.4	7.0	7.4	7.4
Not in labor force	62,323	62,373	62,913	62,916	62,985	63,318	62,986	62,912	62,724	62,320	62,407	62,503	63,089
Men													
Noninstitutional population ¹	84,173	84,261	84,344	84,423	84,506	84,745	84,811	84,880	84,953	85,024	85,101	85,179	85,257
Labor force ¹	64,807	64,877	64,709	64,846	64,838	64,930	65,093	65,156	65,212	65,307	65,452	65,362	65,244
Percent of population ²	77.0	77.0	76.7	76.8	76.7	76.6	76.8	76.8	76.8	76.8	76.9	76.7	76.5
Total employed ¹	58,607	58,828	58,950	59,389	59,580	59,781	60,147	60,290	60,293	60,629	60,923	60,607	60,661
Employment-population ratio ³	69.6	69.8	69.9	70.3	70.5	70.5	70.9	71.0	71.0	71.3	71.6	71.2	71.2
Resident Armed Forces	1,538	1,549	1,543	1,534	1,537	1,542	1,540	1,542	1,548	1,545	1,545	1,551	1,563
Civilian employed	57,069	57,279	57,407	57,855	58,043	58,239	58,607	58,748	58,745	59,084	59,378	59,056	59,098
Unemployed	6,200	6,049	5,759	5,457	5,258	5,149	4,946	4,867	4,919	4,678	4,529	4,756	4,583
Unemployment rate ⁴	9.6	9.3	8.9	8.4	8.1	7.9	7.6	7.5	7.5	7.2	6.9	7.3	7.0
Not in labor force	19,366	19,384	19,635	19,577	19,668	19,815	19,718	19,724	19,741	19,717	19,649	19,817	20,013
Women													
Noninstitutional population ¹	91,949	92,036	92,129	92,214	92,302	92,474	92,552	92,630	92,709	92,789	92,873	92,958	93,039
Labor force ¹	48,992	49,047	48,852	48,874	48,986	48,971	49,283	49,442	49,725	50,186	50,115	50,273	49,963
Percent of population ²	53.3	53.3	53.0	53.0	53.1	53.0	53.2	53.4	53.6	54.1	54.0	54.1	53.7
Total employed ¹	44,559	44,743	44,715	44,902	45,049	45,094	45,429	45,536	45,802	46,350	46,515	46,486	46,020
Employment-population ratio ³	48.5	48.6	48.5	48.7	48.8	48.8	49.1	49.2	49.4	50.0	50.1	50.0	49.5
Resident Armed Forces	144	146	152	151	151	144	144	144	145	145	145	147	149
Civilian employed	44,415	44,597	44,563	44,751	44,898	44,950	45,285	45,392	45,657	46,205	46,370	46,339	45,871
Unemployed	4,433	4,304	4,137	3,972	3,937	3,876	3,855	3,905	3,924	3,836	3,600	3,787	3,943
Unemployment rate ⁴	9.0	8.8	8.5	8.1	8.0	7.9	7.8	7.9	7.9	7.6	7.2	7.5	7.9
Not in labor force	42,957	42,989	43,277	43,340	43,316	43,503	43,269	43,188	42,984	42,603	42,758	42,685	43,076

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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
TOTAL													
Civilian noninstitutional population ¹	174,440	174,602	174,779	174,951	175,121	175,533	175,679	175,824	175,969	176,123	176,284	176,440	176,583
Civilian labor force	112,117	112,229	111,866	112,035	112,136	112,215	112,693	112,912	113,245	113,803	113,877	113,938	113,494
Percent of population	64.3	64.3	64.0	64.0	64.0	63.9	64.1	64.2	64.4	64.6	64.6	64.6	64.3
Employed	101,484	101,876	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748	105,395	104,969
Employment-population ratio ²	58.2	58.3	58.3	58.6	58.8	58.8	59.1	59.2	59.3	59.8	60.0	59.7	59.4
Unemployed	10,633	10,353	9,896	9,429	9,195	9,026	8,801	8,772	8,843	8,514	8,130	8,543	8,526
Unemployment rate	9.5	9.2	8.8	8.4	8.2	8.0	7.8	7.8	7.8	7.5	7.1	7.5	7.5
Men, 20 years and over													
Civilian noninstitutional population ¹	75,012	75,115	75,216	75,327	75,433	75,692	75,786	75,880	75,973	76,073	76,176	76,269	76,350
Civilian labor force	58,954	59,012	58,949	59,053	59,050	59,299	59,394	59,388	59,480	59,546	59,726	59,694	59,752
Percent of population	78.6	78.6	78.4	78.4	78.3	78.3	78.4	78.3	78.3	78.3	78.4	78.3	78.3
Employed	53,804	53,947	54,140	54,457	54,658	54,999	55,266	55,368	55,385	55,685	55,970	55,789	55,899
Employment-population ratio ²	71.7	71.8	72.0	72.3	72.5	72.7	72.9	73.0	72.9	73.2	73.5	73.1	73.2
Agriculture	2,475	2,431	2,376	2,336	2,374	2,356	2,409	2,364	2,453	2,451	2,469	2,455	2,392
Nonagricultural industries	51,329	51,516	51,764	52,121	52,284	52,643	52,857	53,004	52,932	53,234	53,501	53,334	53,507
Unemployed	5,150	5,065	4,809	4,596	4,392	4,300	4,128	4,020	4,095	3,861	3,755	3,906	3,853
Unemployment rate	8.7	8.6	8.2	7.8	7.4	7.3	7.0	6.8	6.9	6.5	6.3	6.5	6.4
Not in labor force	16,058	16,103	16,267	16,274	16,383	16,393	16,392	16,492	16,493	16,527	16,450	16,575	16,598
Women, 20 years and over													
Civilian noninstitutional population ¹	84,224	84,333	84,443	84,553	84,666	84,860	84,962	85,064	85,168	85,272	85,380	85,488	85,581
Civilian labor force	44,896	45,062	44,936	44,953	45,024	44,981	45,258	45,459	45,703	46,222	46,101	46,261	46,082
Percent of population	53.3	53.4	53.2	53.2	53.2	53.0	53.3	53.4	53.7	54.2	54.0	54.1	53.8
Employed	41,298	41,550	41,570	41,738	41,843	41,798	42,138	42,315	42,517	43,098	43,146	43,088	42,819
Employment-population ratio ²	49.0	49.3	49.2	49.4	49.4	49.3	49.6	49.7	49.9	50.5	50.5	50.4	50.0
Agriculture	627	581	597	638	653	625	640	574	619	610	623	573	563
Nonagricultural industries	40,671	40,969	40,973	41,100	41,190	41,174	41,498	41,741	41,898	42,487	42,523	42,515	42,255
Unemployed	3,598	3,512	3,366	3,215	3,181	3,182	3,120	3,144	3,186	3,124	2,955	3,173	3,264
Unemployment rate	8.0	7.8	7.5	7.2	7.1	7.1	6.9	6.9	7.0	6.8	6.4	6.9	7.1
Not in labor force	39,328	39,271	39,507	39,600	39,642	39,879	39,704	39,605	39,465	39,050	39,279	39,227	39,499
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	15,204	15,154	15,120	15,072	15,022	14,981	14,931	14,880	14,828	14,778	14,728	14,683	14,653
Civilian labor force	8,267	8,155	7,981	8,029	8,062	7,935	8,041	8,065	8,062	8,034	8,050	7,982	7,660
Percent of population	54.4	53.8	52.8	53.3	53.7	53.0	53.9	54.2	54.4	54.4	54.7	54.4	52.3
Employed	6,382	6,379	6,260	6,411	6,440	6,392	6,488	6,457	6,500	6,505	6,631	6,518	6,251
Employment-population ratio ²	42.0	42.1	41.4	42.5	42.9	42.7	43.5	43.4	43.8	44.0	45.0	44.4	42.7
Agriculture	347	296	267	283	329	290	346	343	321	327	311	317	269
Nonagricultural industries	6,035	6,083	5,993	6,128	6,111	6,102	6,142	6,114	6,179	6,178	6,320	6,201	5,982
Unemployed	1,885	1,776	1,721	1,618	1,622	1,543	1,553	1,608	1,562	1,529	1,419	1,464	1,409
Unemployment rate	22.8	21.8	21.6	20.2	20.1	19.4	19.3	19.9	19.4	19.0	17.6	18.3	18.4
Not in labor force	6,937	6,999	7,139	7,043	6,960	7,046	6,890	6,815	6,766	6,744	6,678	6,701	6,993

¹ The population figures are not adjusted for seasonal variation.

² Civilian employment as a percent of the civilian noninstitutional

population.

**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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
WHITE													
Civilian noninstitutional population ¹	151,003	151,021	151,175	151,324	151,484	151,939	152,079	152,285	152,178	152,229	152,295	152,286	152,402
Civilian labor force	97,498	97,507	97,339	97,559	97,724	97,813	98,167	98,424	98,495	98,853	98,770	98,710	98,156
Percent of population	64.6	64.6	64.4	64.5	64.5	64.4	64.6	64.6	64.7	64.9	64.9	64.8	64.4
Employed	89,503	89,693	89,851	90,430	90,779	91,044	91,544	91,845	91,933	92,505	92,697	92,430	91,850
Employment-population ratio ²	59.3	59.4	59.4	59.8	59.9	59.9	60.2	60.3	60.4	60.8	60.9	60.7	60.3
Unemployed	7,995	7,814	7,488	7,129	6,945	6,768	6,623	6,580	6,562	6,348	6,072	6,280	6,306
Unemployment rate	8.2	8.0	7.7	7.3	7.1	6.9	6.7	6.7	6.7	6.4	6.1	6.4	6.4
Men, 20 years and over													
Civilian labor force	51,878	51,881	51,902	52,021	52,063	52,270	52,335	52,398	52,406	52,357	52,548	52,366	52,371
Percent of population	78.9	79.0	78.9	78.9	78.9	78.8	78.8	78.8	78.8	78.7	78.9	78.6	78.6
Employed	47,886	47,908	48,128	48,414	48,589	48,964	49,149	49,343	49,329	49,440	49,744	49,470	49,471
Employment-population ratio ²	72.9	72.9	73.1	73.5	73.6	73.8	74.0	74.2	74.2	74.3	74.7	74.3	74.2
Unemployed	3,992	3,973	3,774	3,607	3,474	3,306	3,186	3,055	3,077	2,917	2,804	2,896	2,900
Unemployment rate	7.7	7.7	7.3	6.9	6.7	6.3	6.1	5.8	5.9	5.6	5.3	5.5	5.5
Women, 20 years and over													
Civilian labor force	38,356	38,468	38,438	38,489	38,556	38,505	38,726	38,873	39,032	39,439	39,226	39,396	39,137
Percent of population	52.7	52.8	52.7	52.7	52.8	52.6	52.8	52.9	53.1	53.7	53.3	53.5	53.1
Employed	35,767	35,928	36,016	36,177	36,292	36,180	36,465	36,570	36,688	37,150	37,042	37,074	36,784
Employment-population ratio ²	49.2	49.3	49.4	49.6	49.7	49.4	49.7	49.8	49.9	50.5	50.4	50.4	49.9
Unemployed	2,589	2,540	2,422	2,312	2,264	2,325	2,261	2,303	2,344	2,289	2,184	2,321	2,352
Unemployment rate	6.7	6.6	6.3	6.0	5.9	6.0	5.8	5.9	6.0	5.8	5.6	5.9	6.0
Both sexes, 16 to 19 years													
Civilian labor force	7,264	7,158	6,999	7,049	7,105	7,038	7,106	7,153	7,057	7,057	6,996	6,948	6,649
Percent of population	57.9	57.3	56.2	56.7	57.2	56.9	57.7	58.3	57.7	58.0	57.7	57.5	55.1
Employed	5,850	5,857	5,707	5,839	5,898	5,900	5,930	5,932	5,916	5,915	5,911	5,886	5,595
Employment-population ratio ²	46.6	46.9	45.8	47.0	47.5	47.7	48.1	48.3	48.4	48.6	48.7	48.7	46.4
Unemployed	1,414	1,301	1,292	1,210	1,207	1,138	1,176	1,221	1,141	1,142	1,085	1,062	1,054
Unemployment rate	19.5	18.2	18.5	17.2	17.0	16.2	16.5	17.1	16.2	16.2	15.5	15.3	15.9
Men	20.7	18.9	19.8	17.6	17.5	17.8	16.4	17.3	16.6	16.8	16.5	17.8	16.2
Women	18.2	17.4	16.9	16.6	16.5	14.5	16.7	16.8	15.7	15.5	14.5	12.6	15.5
BLACK													
Civilian noninstitutional population ¹	18,966	18,994	19,026	19,057	19,086	19,196	19,222	19,248	19,274	19,302	19,330	19,360	19,386
Civilian labor force	11,724	11,720	11,565	11,623	11,650	11,660	11,881	11,867	11,934	12,008	11,962	12,076	12,176
Percent of population	61.8	61.7	60.8	61.0	61.0	60.7	61.8	61.7	61.9	62.2	61.9	62.4	62.8
Employed	9,408	9,504	9,449	9,563	9,582	9,707	9,958	9,896	9,923	10,105	10,168	10,041	10,226
Employment-population ratio ²	49.6	50.0	49.7	50.2	50.2	50.6	51.8	51.4	51.5	52.4	52.6	51.9	52.8
Unemployed	2,316	2,216	2,116	2,060	2,068	1,953	1,923	1,972	2,011	1,903	1,795	2,035	1,950
Unemployment rate	19.8	18.9	18.3	17.7	17.8	16.7	16.2	16.6	16.8	15.8	15.0	16.9	16.0
Men, 20 years and over													
Civilian labor force	5,578	5,553	5,501	5,568	5,565	5,621	5,677	5,660	5,607	5,673	5,646	5,700	5,735
Percent of population	75.6	75.1	74.2	74.9	74.7	74.8	75.4	75.0	74.2	74.9	74.4	74.9	75.3
Employed	4,563	4,613	4,607	4,701	4,722	4,789	4,877	4,789	4,712	4,872	4,811	4,802	4,922
Employment-population ratio ²	61.8	62.4	62.1	63.2	63.4	63.7	64.8	63.5	62.4	64.3	63.4	63.1	64.6
Unemployed	1,015	940	894	867	843	833	800	871	894	801	835	897	813
Unemployment rate	18.2	16.9	16.3	15.6	15.1	14.8	14.1	15.4	16.0	14.1	14.8	15.7	14.2
Women, 20 years and over													
Civilian labor force	5,312	5,358	5,277	5,270	5,303	5,277	5,408	5,425	5,469	5,547	5,496	5,522	5,604
Percent of population	56.7	57.1	56.1	55.9	56.2	55.6	56.9	57.0	57.3	58.0	57.4	57.5	58.3
Employed	4,440	4,495	4,438	4,448	4,461	4,522	4,630	4,690	4,737	4,793	4,818	4,746	4,816
Employment-population ratio ²	47.4	47.9	47.2	47.2	47.3	47.7	48.7	49.2	49.6	50.1	50.3	49.5	50.1
Unemployed	872	863	839	822	842	755	777	735	731	754	679	776	788
Unemployment rate	16.4	16.1	15.9	15.6	15.9	14.3	14.4	13.5	13.4	13.6	12.4	14.0	14.1

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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	834	809	787	785	782	762	796	783	859	787	820	854	837
Percent of population	37.6	36.6	35.6	35.6	35.6	34.7	36.4	35.9	39.5	36.3	37.9	39.6	38.9
Employed	405	396	404	414	399	397	450	417	474	440	539	492	488
Employment-population ratio ²	18.3	17.9	18.3	18.8	18.2	18.1	20.6	19.1	21.8	20.3	24.9	22.8	22.7
Unemployed	429	413	383	371	383	365	346	366	385	347	281	362	349
Unemployment rate	51.4	51.1	48.7	47.3	49.0	47.9	43.5	46.7	44.8	44.1	34.3	42.4	41.7
Men	53.7	52.7	45.6	44.9	46.4	47.1	46.7	44.4	42.8	40.9	35.3	42.6	40.6
Women	48.8	49.2	52.2	50.0	51.9	48.8	39.9	49.6	47.1	48.2	33.1	42.1	42.9
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	9,690	9,700	9,745	9,677	9,735	9,778	9,906	10,080	10,072	10,026	9,824	9,738	9,785
Civilian labor force	6,145	6,202	6,165	6,232	6,267	6,336	6,292	6,484	6,378	6,332	6,298	6,293	6,271
Percent of population	63.4	63.9	63.3	64.4	64.4	64.8	63.5	64.3	63.3	63.2	64.1	64.6	64.1
Employed	5,350	5,392	5,398	5,463	5,540	5,627	5,652	5,751	5,643	5,666	5,669	5,626	5,600
Employment-population ratio ²	55.2	55.6	55.4	56.5	56.9	57.6	57.1	57.1	56.0	56.5	57.7	57.8	57.2
Unemployed	795	810	767	769	727	708	639	733	735	666	629	667	672
Unemployment rate	12.9	13.1	12.4	12.3	11.6	11.2	10.2	11.3	11.5	10.5	10.0	10.6	10.7

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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
CHARACTERISTIC													
Total	101,484	101,876	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748	105,395	104,969
Married men, spouse present	38,281	38,232	38,240	38,388	38,494	38,682	38,911	38,927	39,062	39,159	39,072	39,121	39,029
Married women, spouse present	24,905	24,921	24,953	25,057	25,140	24,947	25,212	25,239	25,457	25,722	25,786	25,716	25,764
Women who maintain families	5,096	5,124	5,172	5,236	5,254	5,293	5,346	5,444	5,491	5,668	5,688	5,662	5,507
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,628	1,572	1,505	1,481	1,512	1,443	1,560	1,515	1,661	1,610	1,604	1,513	1,425
Self-employed workers	1,564	1,515	1,527	1,556	1,572	1,613	1,609	1,580	1,534	1,537	1,570	1,559	1,568
Unpaid family workers	240	236	227	224	265	233	232	198	207	246	212	230	208
Nonagricultural industries:													
Wage and salary workers	90,032	90,743	90,617	91,094	91,422	91,641	92,379	92,819	92,931	93,928	94,040	93,841	93,554
Government	15,671	15,560	15,578	15,585	15,481	15,535	15,822	15,813	15,784	15,761	15,685	15,604	15,782
Private industries	74,361	75,183	75,039	75,509	75,941	76,106	76,557	77,006	77,147	78,167	78,355	78,236	77,772
Private households	1,270	1,279	1,278	1,216	1,241	1,197	1,219	1,155	1,296	1,347	1,329	1,239	1,181
Other industries	73,091	73,904	73,761	74,293	74,700	74,909	75,339	75,851	75,851	76,820	77,026	76,997	76,591
Self-employed workers	7,641	7,656	7,695	7,800	7,734	7,936	7,849	7,755	7,834	7,707	7,828	7,717	7,829
Unpaid family workers	375	380	405	474	450	364	330	326	338	311	348	306	324
PERSONS AT WORK¹													
Nonagricultural industries	91,953	93,322	93,273	93,834	94,173	94,707	95,067	94,982	96,918	96,523	96,500	96,848	96,921
Full-time schedules	73,499	74,666	75,047	75,398	75,802	76,237	76,715	77,004	78,276	78,280	78,496	78,659	78,799
Part time for economic reasons	5,866	6,027	5,724	5,848	5,712	5,943	5,808	5,463	5,593	5,353	5,491	5,300	5,324
Usually work full time	1,742	1,771	1,617	1,719	1,672	1,771	1,611	1,472	1,530	1,549	1,654	1,589	1,749
Usually work part time	4,124	4,256	4,107	4,129	4,040	4,172	4,197	3,991	4,063	3,804	3,837	3,711	3,576
Part time for noneconomic reasons	12,588	12,629	12,502	12,588	12,659	12,527	12,545	12,515	13,049	12,889	12,514	12,889	12,797

¹ Excludes persons "with a job but not at work" during the survey

period for such reasons as vacation, illness, or industrial dispute.

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

(In thousands)

Sex and age	1983					1984							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
Total, 16 years and over	101,484	101,876	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748	105,395	104,969
16 to 24 years	20,170	20,217	20,085	20,338	20,377	20,401	20,628	20,616	20,639	20,873	21,127	20,760	20,221
16 to 19 years	6,382	6,379	6,260	6,411	6,440	6,392	6,488	6,457	6,500	6,505	6,631	6,518	6,251
16 to 17 years	2,331	2,320	2,257	2,332	2,355	2,321	2,342	2,376	2,379	2,493	2,453	2,429	2,321
18 to 19 years	4,013	4,062	4,012	4,064	4,092	4,114	4,153	4,082	4,125	4,024	4,176	4,079	3,860
20 to 24 years	13,788	13,838	13,825	13,927	13,937	14,008	14,140	14,159	14,139	14,368	14,496	14,241	13,970
25 years and over	81,363	81,668	81,892	82,268	82,551	82,765	83,294	83,493	83,729	84,440	84,648	84,604	84,815
25 to 54 years	67,155	67,323	67,537	67,913	68,179	68,534	68,964	69,279	69,516	70,138	70,485	70,409	70,655
55 years and over	14,231	14,368	14,364	14,364	14,347	14,239	14,293	14,212	14,274	14,260	14,179	14,223	14,195
Men, 16 years and over	57,069	57,279	57,407	57,855	58,043	58,239	58,607	58,748	58,745	59,084	59,378	59,056	59,098
16 to 24 years	10,566	10,634	10,569	10,789	10,770	10,700	10,864	10,965	10,947	11,084	11,145	10,787	10,648
16 to 19 years	3,265	3,332	3,267	3,398	3,385	3,240	3,342	3,380	3,361	3,399	3,408	3,267	3,199
16 to 17 years	1,206	1,217	1,165	1,223	1,224	1,222	1,223	1,256	1,220	1,297	1,246	1,200	1,160
18 to 19 years	2,054	2,120	2,102	2,155	2,151	2,050	2,120	2,126	2,144	2,105	2,153	2,058	1,998
20 to 24 years	7,301	7,302	7,302	7,391	7,385	7,460	7,523	7,586	7,586	7,686	7,737	7,520	7,449
25 years and over	46,511	46,666	46,834	47,073	47,266	47,531	47,745	47,777	47,798	48,044	48,260	48,213	48,466
25 to 54 years	38,052	38,173	38,334	38,550	38,757	39,049	39,271	39,418	39,431	39,622	39,909	39,866	40,053
55 years and over	8,468	8,499	8,499	8,541	8,470	8,495	8,473	8,373	8,387	8,366	8,379	8,369	8,403
Women, 16 years and over	44,415	44,597	44,563	44,751	44,898	44,950	45,285	45,392	45,657	46,205	46,370	46,339	45,871
16 to 24 years	9,604	9,583	9,516	9,549	9,607	9,700	9,763	9,651	9,692	9,789	9,982	9,973	9,573
16 to 19 years	3,117	3,047	2,993	3,013	3,055	3,152	3,147	3,078	3,139	3,107	3,223	3,252	3,052
16 to 17 years	1,125	1,103	1,092	1,109	1,131	1,099	1,119	1,120	1,159	1,196	1,207	1,229	1,161
18 to 19 years	1,959	1,942	1,910	1,909	1,941	2,064	2,033	1,956	1,981	1,919	2,023	2,021	1,862
20 to 24 years	6,487	6,536	6,523	6,536	6,552	6,548	6,617	6,573	6,553	6,682	6,759	6,721	6,520
25 years and over	34,852	35,002	35,058	35,195	35,285	35,234	35,549	35,716	35,931	36,396	36,387	36,391	36,350
25 to 54 years	29,103	29,150	29,203	29,363	29,422	29,485	29,694	29,861	30,085	30,517	30,577	30,543	30,602
55 years and over	5,763	5,869	5,865	5,823	5,877	5,744	5,820	5,839	5,887	5,893	5,801	5,853	5,792

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

(In thousands)

Sex and age	1983					1984							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
Total, 16 years and over	10,633	10,353	9,896	9,429	9,195	9,026	8,801	8,772	8,843	8,514	8,130	8,543	8,526
16 to 24 years	4,197	3,994	3,899	3,692	3,564	3,537	3,410	3,467	3,522	3,402	3,156	3,276	3,287
16 to 19 years	1,885	1,776	1,721	1,618	1,622	1,543	1,553	1,608	1,562	1,529	1,419	1,464	1,409
16 to 17 years	767	731	712	653	700	649	663	712	683	632	602	626	631
18 to 19 years	1,107	1,046	1,020	972	947	878	881	904	876	896	813	817	775
20 to 24 years	2,312	2,218	2,178	2,074	1,942	1,994	1,857	1,859	1,960	1,873	1,737	1,812	1,878
25 years and over	6,424	6,370	6,002	5,728	5,659	5,474	5,405	5,279	5,301	5,132	4,996	5,257	5,237
25 to 54 years	5,668	5,610	5,259	5,007	4,938	4,789	4,742	4,647	4,663	4,474	4,274	4,619	4,566
55 years and over	765	785	753	741	742	700	636	643	621	659	683	660	677
Men, 16 years and over	6,200	6,049	5,759	5,457	5,258	5,149	4,946	4,867	4,919	4,678	4,529	4,756	4,583
16 to 24 years	2,408	2,271	2,209	2,042	1,998	1,971	1,857	1,869	1,925	1,812	1,772	1,846	1,772
16 to 19 years	1,050	984	950	861	866	849	818	847	824	817	774	850	730
16 to 17 years	423	383	374	344	372	336	337	376	378	352	365	358	330
18 to 19 years	619	605	579	524	501	501	469	472	448	472	413	478	396
20 to 24 years	1,358	1,287	1,259	1,181	1,132	1,122	1,039	1,022	1,101	995	998	996	1,042
25 years and over	3,791	3,794	3,552	3,417	3,283	3,154	3,089	2,988	2,996	2,878	2,757	2,896	2,813
25 to 54 years	3,311	3,315	3,074	2,935	2,799	2,743	2,686	2,569	2,604	2,480	2,377	2,496	2,411
55 years and over	482	507	482	490	481	431	396	408	382	394	378	401	408
Women, 16 years and over	4,433	4,304	4,137	3,972	3,937	3,876	3,855	3,905	3,924	3,836	3,600	3,787	3,943
16 to 24 years	1,789	1,723	1,690	1,650	1,566	1,566	1,552	1,598	1,597	1,591	1,384	1,430	1,514
16 to 19 years	835	792	771	757	756	694	735	761	738	712	645	614	679
16 to 17 years	344	348	338	309	328	313	326	336	305	280	237	268	301
18 to 19 years	488	441	441	448	446	377	412	432	428	424	400	339	379
20 to 24 years	954	931	919	893	810	872	817	837	859	879	739	816	835
25 years and over	2,633	2,576	2,450	2,311	2,376	2,320	2,316	2,291	2,305	2,254	2,238	2,361	2,424
25 to 54 years	2,357	2,295	2,185	2,072	2,139	2,046	2,057	2,078	2,059	1,994	1,897	2,123	2,156
55 years and over	283	278	271	251	261	269	240	235	239	266	305	259	269

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Civilian workers)

Sex and age	1983					1984							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
Total, 16 years and over	9.5	9.2	8.8	8.4	8.2	8.0	7.8	7.8	7.8	7.5	7.1	7.5	7.5
16 to 24 years	17.2	16.5	16.3	15.4	14.9	14.8	14.2	14.4	14.6	14.0	13.0	13.6	14.0
16 to 19 years	22.8	21.8	21.6	20.2	20.1	19.4	19.3	19.9	19.4	19.0	17.6	18.3	18.4
16 to 17 years	24.8	24.0	24.0	21.9	22.9	21.9	22.1	23.1	22.3	20.2	19.7	20.5	21.4
18 to 19 years	21.6	20.5	20.3	19.3	18.8	17.6	17.5	18.1	17.5	18.2	16.3	16.7	16.7
20 to 24 years	14.4	13.8	13.6	13.0	12.2	12.5	11.6	11.6	12.2	11.5	10.7	11.3	11.8
25 years and over	7.3	7.2	6.8	6.5	6.4	6.2	6.1	5.9	6.0	5.7	5.6	5.9	5.8
25 to 54 years	7.8	7.7	7.2	6.9	6.8	6.5	6.4	6.3	6.3	6.0	5.7	6.2	6.1
55 years and over	5.1	5.2	5.0	4.9	4.9	4.7	4.3	4.3	4.2	4.4	4.6	4.4	4.6
Men, 16 years and over	9.8	9.6	9.1	8.6	8.3	8.1	7.8	7.7	7.7	7.3	7.1	7.5	7.2
16 to 24 years	18.6	17.6	17.3	15.9	15.6	15.6	14.6	14.6	15.0	14.0	13.7	14.6	14.3
16 to 19 years	24.3	22.8	22.5	20.2	20.4	20.8	19.7	20.0	19.7	19.4	18.5	20.6	18.6
16 to 17 years	26.0	23.9	24.3	22.0	23.3	21.6	21.6	23.0	23.7	21.3	22.7	23.0	22.1
18 to 19 years	23.2	22.2	21.6	19.6	18.9	19.6	18.1	18.2	17.3	18.3	16.1	18.8	16.5
20 to 24 years	15.7	15.0	14.7	13.8	13.3	13.1	12.1	11.9	12.7	11.5	11.4	11.7	12.3
25 years and over	7.5	7.5	7.0	6.8	6.5	6.2	6.1	5.9	5.9	5.7	5.4	5.7	5.5
25 to 54 years	8.0	8.0	7.4	7.1	6.7	6.6	6.4	6.1	6.2	5.9	5.6	5.9	5.7
55 years and over	5.4	5.6	5.4	5.4	5.4	4.8	4.5	4.6	4.4	4.5	4.3	4.6	4.6
Women, 16 years and over	9.1	8.8	8.5	8.2	8.1	7.9	7.8	7.9	7.9	7.7	7.2	7.6	7.9
16 to 24 years	15.7	15.2	15.1	14.7	14.0	13.9	13.7	14.2	14.1	14.0	12.2	12.5	13.7
16 to 19 years	21.1	20.6	20.5	20.1	19.8	18.0	18.9	19.8	19.0	18.6	16.7	15.9	18.2
16 to 17 years	23.4	24.0	23.6	21.8	22.5	22.2	22.6	23.1	20.8	19.0	16.4	17.9	20.6
18 to 19 years	19.9	18.5	18.8	19.0	18.7	15.4	16.9	18.1	17.8	18.1	16.5	14.4	16.9
20 to 24 years	12.8	12.5	12.3	12.0	11.0	11.7	11.0	11.3	11.6	11.6	9.9	10.8	11.4
25 years and over	7.0	6.9	6.5	6.2	6.3	6.2	6.1	6.0	6.0	5.8	5.8	6.1	6.3
25 to 54 years	7.5	7.3	7.0	6.6	6.8	6.5	6.5	6.4	6.1	5.8	5.8	6.5	6.6
55 years and over	4.7	4.5	4.4	4.1	4.3	4.5	4.0	3.9	3.9	4.3	5.0	4.2	4.4

A-39. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1983					1984							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
CHARACTERISTIC													
Total (all civilian workers)	9.5	9.2	8.8	8.4	8.2	8.0	7.8	7.8	7.8	7.5	7.1	7.5	7.5
Men, 20 years and over	8.7	8.6	8.2	7.8	7.4	7.3	7.0	6.8	6.9	6.5	6.3	6.5	6.4
Women, 20 years and over	8.0	7.8	7.5	7.2	7.1	7.1	6.9	6.9	7.0	6.8	6.4	6.9	7.1
Both sexes, 16 to 19 years	22.8	21.8	21.6	20.2	20.1	19.4	19.3	19.9	19.4	19.0	17.6	18.3	18.4
White	8.2	8.0	7.7	7.3	7.1	6.9	6.7	6.7	6.7	6.4	6.1	6.4	6.4
Black and other	17.9	17.3	16.7	16.1	16.3	15.6	14.9	15.1	15.1	14.2	13.4	15.1	14.4
Black	19.8	18.9	18.3	17.7	17.8	16.7	16.2	16.6	16.8	15.8	15.0	16.9	16.0
Hispanic origin	12.9	13.1	12.4	12.3	11.6	11.2	10.2	11.3	11.5	10.5	10.0	10.6	10.7
Married men, spouse present	6.3	6.1	5.7	5.5	5.2	5.0	4.9	4.7	4.7	4.5	4.5	4.6	4.4
Married women, spouse present	6.9	6.8	6.3	6.0	6.1	6.0	5.9	5.8	5.8	5.8	5.6	5.9	6.0
Women who maintain families	11.8	12.0	11.4	10.5	10.9	10.7	11.0	11.0	10.5	9.8	9.6	9.6	10.5
Full-time workers	9.3	9.1	8.7	8.2	8.0	7.8	7.5	7.5	7.6	7.2	6.7	7.2	7.2
Part-time workers	10.2	10.1	10.0	9.8	9.8	9.2	9.3	9.2	9.1	9.3	10.3	9.6	9.8
Unemployed 15 weeks and over ¹	3.6	3.5	3.3	3.1	3.0	2.9	2.6	2.5	2.5	2.5	2.3	2.4	2.3
Labor force time lost ²	10.7	10.5	10.0	9.7	9.4	9.2	8.9	8.8	8.9	8.5	8.3	8.7	8.5
INDUSTRY													
Nonagricultural private wage and salary workers	9.8	9.4	9.0	8.6	8.3	7.9	7.8	7.6	7.7	7.2	7.0	7.4	7.5
Mining	14.9	16.9	12.1	12.8	12.4	10.9	12.2	11.2	10.3	8.9	7.1	7.5	10.3
Construction	17.9	18.1	15.8	15.6	16.3	15.0	15.1	13.3	14.3	14.8	14.8	14.7	14.0
Manufacturing	11.2	10.2	9.6	8.9	8.3	8.4	7.5	7.5	7.7	7.1	7.2	7.5	7.5
Durable goods	11.7	10.9	10.2	9.0	8.3	8.0	7.3	7.8	7.5	7.0	7.2	6.7	6.9
Nondurable goods	10.5	9.3	8.7	8.7	8.2	8.9	7.8	7.2	8.0	7.1	7.3	8.6	8.3
Transportation and public utilities	7.7	7.4	7.2	6.7	6.5	5.1	5.9	5.0	5.4	5.5	5.2	6.1	6.2
Wholesale and retail trade	9.8	9.5	9.8	9.1	8.8	8.4	8.3	8.3	8.7	7.9	7.2	7.8	7.8
Finance and service industries	7.2	7.0	6.9	6.7	6.6	6.3	6.3	6.4	6.1	5.5	5.4	5.9	6.1
Agricultural wage and salary workers	15.1	16.5	16.2	15.7	15.6	15.5	14.0	14.6	12.2	13.9	11.8	14.6	12.8

¹ Unemployed as a percent of the civilian labor force

² As a percent of potentially available labor force

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Weeks of unemployment	1983					1984							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
DURATION													
Less than 5 weeks	3,633	3,740	3,504	3,328	3,382	3,233	3,359	3,386	3,438	3,238	3,174	3,462	3,555
5 to 14 weeks	2,951	2,784	2,725	2,616	2,504	2,556	2,484	2,539	2,493	2,433	2,294	2,490	2,333
15 weeks and over	4,078	3,889	3,655	3,527	3,369	3,201	2,984	2,873	2,855	2,851	2,619	2,689	2,606
15 to 26 weeks	1,597	1,383	1,372	1,337	1,284	1,166	1,173	1,114	1,111	1,186	1,008	1,100	1,113
27 weeks and over	2,481	2,506	2,283	2,190	2,085	2,035	1,810	1,759	1,744	1,664	1,611	1,589	1,493
Average (mean) duration, in weeks	19.9	20.2	20.1	20.2	19.6	20.5	18.8	18.8	18.5	18.4	18.6	18.1	17.3
Median duration, in weeks	9.4	9.4	9.5	9.4	9.0	9.2	8.3	8.3	8.1	8.7	7.2	7.6	7.5
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	34.1	35.9	35.5	35.1	36.5	36.0	38.1	38.5	39.1	38.0	39.2	40.1	41.9
5 to 14 weeks	27.7	26.7	27.6	27.6	27.1	28.4	28.1	28.9	28.4	28.6	28.4	28.8	27.5
15 weeks and over	38.2	37.3	37.0	37.2	36.4	35.6	33.8	32.7	32.5	33.5	32.4	31.1	30.7
15 to 26 weeks	15.0	13.3	13.9	14.1	13.9	13.0	13.3	12.7	12.6	13.9	12.5	12.7	13.1
27 weeks and over	23.3	24.1	23.1	23.1	22.5	22.6	20.5	20.0	19.8	19.5	19.9	18.4	17.6

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

(Numbers in thousands)

Reasons for unemployment	1983					1984							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
NUMBER OF UNEMPLOYED													
Job losers	6,133	5,938	5,601	5,226	5,017	4,825	4,737	4,614	4,527	4,327	4,220	4,511	4,218
On layoff	1,660	1,562	1,392	1,321	1,283	1,238	1,272	1,254	1,108	1,192	1,166	1,164	1,152
Other job losers	4,473	4,376	4,209	3,905	3,734	3,588	3,465	3,360	3,419	3,134	3,055	3,346	3,066
Job leavers	799	858	866	868	855	809	772	756	781	804	800	865	835
Reentrants	2,479	2,362	2,322	2,250	2,246	2,192	2,153	2,208	2,308	2,178	1,968	2,091	2,322
New entrants	1,214	1,234	1,127	1,154	1,150	1,175	1,092	1,213	1,216	1,186	1,136	1,092	1,093
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	57.7	57.1	56.5	55.0	54.1	53.6	54.1	52.5	51.3	50.9	51.9	52.7	49.8
On layoff	15.6	15.0	14.0	13.9	13.8	13.7	14.5	14.3	12.5	14.0	14.4	13.6	13.6
Other job losers	42.1	42.1	42.4	41.1	40.3	39.9	39.6	38.2	38.7	36.9	37.6	39.1	36.2
Job leavers	7.5	8.3	8.7	9.1	9.2	9.0	8.8	8.6	8.8	9.5	9.8	10.1	9.9
Reentrants	23.3	22.7	23.4	23.7	24.2	24.4	24.6	25.1	26.1	25.6	24.2	24.4	27.4
New entrants	11.4	11.9	11.4	12.1	12.4	13.1	12.5	13.8	13.8	14.0	14.0	12.8	12.9
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	5.5	5.3	5.0	4.7	4.5	4.3	4.2	4.1	4.0	3.8	3.7	4.0	3.7
Job leavers .....	.7	.8	.8	.8	.8	.7	.7	.7	.7	.7	.7	.8	.7
Reentrants	2.2	2.1	2.1	2.0	2.0	2.0	1.9	2.0	2.0	1.9	1.7	1.8	2.0
New entrants	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.0	1.0	1.0	1.0

**ESTABLISHMENT DATA
HISTORICAL EMPLOYMENT**

B-1. Employees on nonagricultural payrolls by major industry, 1933 to date

(In thousands)

Year and month	Total	Total private	Goods-producing				Service-producing							Government		
			Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Federal	State	Local	
Annual averages																
1933	23,699	20,533	8,965	744	824	7,397	14,734	2,672	(¹)	(¹)	1,280	2,861	565	(¹)	(¹)	
1934	25,940	22,641	10,261	883	877	8,501	15,679	2,750	(¹)	(¹)	1,304	3,045	652	(¹)	(¹)	
1935	27,039	23,558	10,893	897	927	9,069	16,146	2,786	(¹)	(¹)	1,320	3,128	753	(¹)	(¹)	
1936	29,068	25,400	11,933	946	1,160	9,827	17,135	2,973	(¹)	(¹)	1,373	3,312	826	(¹)	(¹)	
1937	31,011	27,255	12,936	1,015	1,127	10,794	18,075	3,134	(¹)	(¹)	1,417	3,503	933	(¹)	(¹)	
1938	29,194	25,311	11,401	891	1,070	9,440	17,793	2,863	(¹)	(¹)	1,410	3,458	829	(¹)	(¹)	
1939	30,603	26,608	12,297	854	1,165	10,278	18,306	2,938	1,762	4,664	1,447	3,502	905	(¹)	(¹)	
1940	32,361	28,159	13,221	925	1,311	10,985	19,140	3,038	1,835	4,914	1,485	3,665	996	(¹)	(¹)	
1941	36,539	31,877	15,963	957	1,814	13,192	20,574	3,274	1,960	5,251	1,525	3,905	1,340	(¹)	(¹)	
1942	40,106	34,624	18,470	992	2,198	15,280	21,636	3,460	1,906	5,212	1,509	4,066	2,213	(¹)	(¹)	
1943	42,434	36,356	20,114	925	1,587	17,602	22,320	3,647	1,822	5,160	1,481	4,130	2,905	(¹)	(¹)	
1944	41,864	35,822	19,328	892	1,108	17,328	22,536	3,829	1,845	5,214	1,461	4,145	2,928	(¹)	(¹)	
1945	40,374	34,431	17,507	836	1,147	15,524	22,867	3,906	1,949	5,365	1,481	4,222	2,808	(¹)	(¹)	
1946	41,652	36,056	17,248	862	1,683	14,703	24,404	4,061	2,291	6,084	1,675	4,697	2,254	(¹)	(¹)	
1947	43,857	38,382	18,509	955	2,009	15,545	25,348	4,166	2,471	6,485	1,728	5,025	1,892	(¹)	(¹)	
1948	44,866	39,216	18,774	994	2,198	15,582	26,092	4,189	2,605	6,667	1,800	5,181	1,863	(¹)	(¹)	
1949	43,754	37,897	17,565	930	2,194	14,441	26,189	4,001	2,602	6,662	1,828	5,240	1,908	(¹)	(¹)	
1950	45,197	39,170	18,506	901	2,364	15,241	26,691	4,034	2,635	6,751	1,888	5,357	1,928	(¹)	(¹)	
1951	47,819	41,430	19,959	929	2,637	16,393	27,860	4,226	2,727	7,015	1,956	5,547	2,302	(¹)	(¹)	
1952	48,793	42,185	20,198	898	2,668	16,632	28,595	4,282	2,812	7,192	2,035	5,699	2,420	(¹)	(¹)	
1953	50,202	43,556	21,074	866	2,659	17,549	29,128	4,290	2,854	7,393	2,111	5,835	2,305	(¹)	(¹)	
1954	48,990	42,238	19,751	791	2,646	16,314	29,239	4,084	2,867	7,368	2,200	5,969	2,188	(¹)	(¹)	
1955	50,641	43,727	20,513	792	2,839	16,882	30,128	4,141	2,926	7,610	2,298	6,240	2,187	1,168	3,558	
1956	52,369	45,091	21,104	822	3,039	17,243	31,266	4,244	3,018	7,840	2,389	6,497	2,209	1,250	3,819	
1957	52,853	45,239	20,964	828	2,962	17,174	31,889	4,241	3,028	7,858	2,438	6,708	2,217	1,328	4,071	
1958	51,324	43,483	19,513	751	2,817	15,945	31,811	3,976	2,980	7,770	2,481	6,765	2,191	1,415	4,232	
1959 ²	53,268	45,186	20,411	732	3,004	16,675	32,857	4,011	3,082	8,045	2,549	7,087	2,233	1,484	4,366	
1960	54,189	45,836	20,434	712	2,926	16,796	33,755	4,004	3,143	8,248	2,629	7,378	2,270	1,536	4,547	
1961	53,999	45,404	19,857	672	2,859	16,326	34,142	3,903	3,133	8,204	2,688	7,620	2,279	1,607	4,708	
1962	55,549	46,660	20,451	650	2,948	16,853	35,098	3,906	3,198	8,368	2,754	7,982	2,340	1,668	4,881	
1963	56,653	47,429	20,640	635	3,010	16,995	36,013	3,903	3,248	8,530	2,830	8,277	2,358	1,747	5,121	
1964	58,283	48,686	21,005	634	3,097	17,274	37,278	3,951	3,337	8,823	2,911	8,660	2,348	1,856	5,392	
1965	60,765	50,689	21,926	632	3,232	18,062	38,839	4,036	3,466	9,250	2,977	9,036	2,378	1,996	5,700	
1966	63,901	53,116	23,158	627	3,317	19,214	40,743	4,158	3,597	9,648	3,058	9,498	2,564	2,141	6,080	
1967	65,803	54,413	23,308	613	3,248	19,447	42,495	4,268	3,689	9,917	3,185	10,045	2,719	2,302	6,371	
1968	67,897	56,058	23,737	606	3,350	19,781	44,160	4,318	3,779	10,320	3,337	10,567	2,737	2,442	6,660	
1969	70,384	58,189	24,361	619	3,575	20,167	46,023	4,442	3,907	10,798	3,512	11,169	2,758	2,533	6,904	
1970	70,880	58,325	23,578	623	3,588	19,367	47,302	4,515	3,993	11,047	3,645	11,548	2,731	2,664	7,158	
1971	71,214	58,331	22,935	609	3,704	18,623	48,278	4,476	4,001	11,351	3,772	11,797	2,696	2,747	7,437	
1972	73,675	60,341	23,668	628	3,889	19,151	50,003	4,541	4,113	11,836	3,908	12,276	2,684	2,859	7,790	
1973	76,790	63,058	24,893	642	4,097	20,154	51,897	4,656	4,277	12,329	4,046	12,857	2,663	2,923	8,146	
1974	78,265	64,095	24,794	697	4,020	20,077	53,471	4,725	4,433	12,554	4,148	13,441	2,724	3,039	8,407	
1975	76,945	62,259	22,600	752	3,525	18,323	54,345	4,542	4,415	12,645	4,165	13,892	2,748	3,179	8,758	
1976	79,382	64,511	23,352	779	3,576	18,997	56,030	4,582	4,546	13,209	4,271	14,551	2,733	3,273	8,865	
1977	81,697	67,026	25,585	851	4,229	20,505	61,113	4,923	4,969	14,573	4,724	16,252	2,753	3,474	9,446	
1978	86,697	71,026	25,585	851	4,229	20,505	61,113	4,923	4,969	14,573	4,724	16,252	2,753	3,474	9,446	
1979	89,823	73,876	26,461	958	4,463	21,040	63,363	5,136	5,204	14,989	4,975	17,112	2,773	3,541	9,633	
1980	90,406	74,166	25,658	1,027	4,346	20,285	64,748	5,146	5,275	15,035	5,160	17,890	2,866	3,610	9,765	
1981	91,156	75,126	25,497	1,139	4,188	20,170	65,659	5,165	5,358	15,189	5,298	18,619	2,772	3,640	9,619	
1982	89,566	73,729	23,813	1,128	3,905	18,781	65,753	5,082	5,278	15,179	5,341	19,036	2,739	3,640	9,458	
1983	90,138	74,288	23,394	957	3,940	18,497	66,744	4,958	5,259	15,545	5,467	19,665	2,752	3,660	9,439	
Monthly data, seasonally adjusted																
1983:																
August	89,918	74,110	23,532	950	3,985	18,597	66,386	4,369	5,277	15,626	5,498	19,808	2,747	3,668	9,393	
September	91,018	75,083	23,669	952	4,019	18,698	67,349	5,046	5,301	15,671	5,503	19,893	2,774	3,672	9,489	
October	91,345	75,481	23,895	965	4,044	18,886	67,450	5,053	5,322	15,737	5,512	19,962	2,760	3,667	9,437	
November	91,688	75,814	24,058	967	4,073	19,018	67,630	5,043	5,344	15,805	5,530	20,034	2,759	3,669	9,446	
December	92,026	76,157	24,198	969	4,086	19,143	67,828	5,055	5,371	15,857	5,546	20,130	2,762	3,668	9,439	
1984:																
January	92,391	76,533	24,383	975	4,154	19,254	68,008	5,095	5,406	15,914	5,573	20,162	2,760	3,670	9,428	
February	92,846	76,971	24,577	978	4,226	19,373	68,269	5,105	5,438	15,980	5,593	20,278	2,763	3,682	9,430	
March	93,058	77,185	24,595	978	4,151	19,466	68,463	5,112	5,457	16,030	5,613	20,378	2,770	3,686	9,417	
April	93,449	77,546	24,760	984	4,246	19,530	68,689	5,129	5,473	16,095	5,640	20,449	2,771	3,693	9,439	
May ³	93,786	77,864	24,851	995	4,286	19,570	68,935	5,144	5,492	16,166	5,662	20,549	2,785	3,699	9,438	
June	94,135	78,241	24,974	1,002	4,343	19,629	69,163	5,163	5,502	16,245	5,676	20,681	2,777	3,699	9,418	
July ³	94,351	78,411	25,068	1,007	4,350	19,711	69,281	5,173	5,527	16,278	5,679	20,686	2,779	3,711	9,450	
August ^p	94,510	78,575	25,112	1,015	4,357	19,740	69,398	5,182	5,559	16,298	5,692	20,732	2,780	3,728	9,427	

¹ Not available.

² Data include Alaska and Hawaii beginning in 1959. This inclusion resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month.

³ May 1984 estimates for total nonfarm payroll, service-producing, and Federal government employment have been corrected.

^p = preliminary.

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

**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				
		July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p	July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p
Total		90,112	89,842	95,003	94,236	94,486	-	-	-	-	-
Total private		75,001	74,878	78,973	79,018	79,407	60,678	60,500	64,043	64,014	64,329
Mining		959	960	1,013	1,021	1,026	680	680	727	730	737
Metal mining	10	56.7	55.8	59.5	59.6	-	41.4	40.7	43.7	43.7	-
Iron ores	101	10.9	9.7	12.4	12.4	-	7.3	6.7	9.3	9.3	-
Copper ores	102	18.7	18.7	18.2	18.0	-	13.5	13.1	13.0	12.8	-
Coal mining	11,12	194.2	196.4	208.3	208.0	-	156.7	157.9	169.5	169.6	-
Bituminous coal and lignite mining	12	191.4	193.6	205.7	205.4	-	154.2	155.4	167.3	167.3	-
Oil and gas extraction	13	596.3	595.6	627.2	634.4	634.9	396.4	395.4	422.3	425.0	-
Crude petroleum, natural gas, and natural gas liquids ...	131,2	267.4	266.1	261.4	261.5	-	124.9	124.5	120.2	120.1	-
Oil and gas field services	138	328.9	329.5	365.8	372.9	-	271.5	270.9	302.1	304.9	-
Nonmetallic minerals, except fuels	14	111.3	111.8	118.3	119.2	-	85.1	85.5	91.2	91.9	-
Crushed and broken stone	142	36.9	36.9	38.9	39.3	-	29.4	29.4	31.3	31.6	-
Sand and gravel	144	35.3	35.4	38.1	38.8	-	-	-	-	-	-
Chemical and fertilizer minerals	147	20.0	20.5	21.5	21.4	-	-	-	-	-	-
Construction		4,185	4,269	4,517	4,615	4,671	3,254	3,337	3,547	3,636	3,682
General building contractors	15	1,094.7	1,112.1	1,182.9	1,208.8	1,216.1	819.0	837.1	890.4	914.8	-
Residential building construction	152	534.0	542.0	580.3	590.7	-	388.5	396.5	426.4	436.7	-
Operative builders	153	61.2	62.4	65.0	65.3	-	34.5	35.3	36.3	35.7	-
Nonresidential building construction	154	499.5	507.7	537.6	552.8	-	396.0	405.3	427.7	442.4	-
Heavy construction contractors	16	849.3	867.0	855.7	861.8	-	692.5	709.5	708.2	714.0	-
Highway and street construction	161	275.1	284.3	292.7	298.1	-	234.9	243.4	250.0	255.0	-
Heavy construction, except highway	162	574.2	582.7	563.0	563.7	-	457.6	466.1	458.2	459.0	-
Special trade contractors	17	2,240.5	2,290.3	2,478.7	2,544.3	-	1,742.0	1,790.1	1,948.1	2,007.5	-
Plumbing, heating, and air conditioning	171	505.7	517.6	544.1	557.7	-	365.2	374.0	400.3	412.2	-
Painting, paper hanging, and decorating	172	143.7	145.9	151.5	160.0	-	120.9	123.2	127.1	136.0	-
Electrical work	173	409.1	419.1	444.4	454.2	-	308.8	319.7	338.1	346.6	-
Masonry, stonework, and plastering	174	343.6	354.3	389.5	402.2	-	291.9	303.0	332.1	343.6	-
Carpentering and flooring	175	124.2	126.5	135.4	137.5	-	94.0	96.2	102.3	104.5	-
Roofing and sheet metal work	176	174.0	179.4	189.2	197.5	-	138.8	144.3	153.1	161.2	-
Manufacturing		18,464	18,715	19,768	19,658	19,862	12,527	12,762	13,610	13,475	13,657
Durable goods		10,761	10,842	11,749	11,693	11,763	7,126	7,197	7,948	7,874	7,932
Lumber and wood products	24	685.9	702.5	733.4	730.3	735.8	574.5	589.7	617.7	615.4	619.7
Logging camps and logging contractors	241	88.0	91.1	86.2	87.4	-	69.4	72.1	67.9	69.3	-
Sawmills and planing mills	242	202.5	206.1	215.8	213.9	-	180.1	183.2	191.7	189.9	-
Sawmills and planing mills, general	2421	170.4	172.4	179.1	177.7	-	151.9	153.5	159.6	158.4	-
Hardwood dimension and flooring	2426	27.9	29.2	31.1	30.7	-	24.4	25.7	27.3	26.9	-
Millwork, plywood, and structural members	243	205.8	211.4	226.0	225.4	-	170.8	176.4	189.8	189.7	-
Millwork	2431	76.4	78.9	84.3	84.6	-	61.7	64.1	68.8	69.3	-
Wood kitchen cabinets	2434	50.8	52.6	60.3	60.3	-	40.6	42.3	49.5	49.6	-
Hardwood veneer and plywood	2435	23.1	23.7	25.2	24.8	-	20.2	20.9	22.3	22.0	-
Softwood veneer and plywood	2436	37.2	37.2	36.7	35.9	-	33.4	33.6	33.4	32.7	-
Wood containers	244	39.1	39.6	42.7	42.7	-	33.1	33.7	36.5	36.3	-
Wood buildings and mobile homes	245	75.5	77.0	79.2	79.2	-	59.1	60.3	61.8	62.0	-
Mobile homes	2451	55.1	56.5	58.1	57.9	-	44.8	45.9	47.1	47.0	-
Miscellaneous wood products	249	75.0	77.3	83.5	81.7	-	62.0	64.0	70.0	68.2	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p	July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p
Durable goods—Continued											
Furniture and fixtures	25	442.9	452.3	484.1	475.0	488.5	350.8	359.9	386.5	377.8	389.4
Household furniture	251	273.3	278.5	288.4	277.7	-	226.0	231.0	240.9	231.3	-
Wood household furniture	2511	122.4	125.3	127.0	122.0	-	105.6	108.5	110.2	105.5	-
Upholstered household furniture	2512	85.1	87.1	89.6	88.0	-	68.7	70.5	73.3	72.3	-
Metal household furniture	2514	24.9	24.4	29.2	25.7	-	19.8	19.3	23.6	20.2	-
Mattresses and bedsprings	2515	28.9	29.7	29.7	29.5	-	21.8	22.6	22.9	22.7	-
Office furniture	252	55.1	57.4	65.9	66.4	-	42.1	44.5	50.7	50.8	-
Public building and related furniture	253	23.3	23.5	25.4	25.6	-	17.2	17.3	19.3	19.4	-
Partitions and fixtures	254	59.4	60.7	68.0	69.0	-	44.0	44.9	50.6	51.3	-
Miscellaneous furniture and fixtures	259	31.8	32.2	36.4	36.3	-	21.5	22.2	25.0	25.0	-
Stone, clay, and glass products	32	585.7	594.3	619.5	619.2	622.0	447.8	457.2	478.3	477.6	480.7
Flat glass	321	15.4	16.1	15.9	15.7	-	11.9	12.7	12.7	12.4	-
Glass and glassware, pressed or blown	322	104.7	105.2	101.5	99.5	-	88.0	89.1	86.3	84.4	-
Glass containers	3221	57.9	58.4	52.7	51.9	-	51.0	51.6	46.6	45.8	-
Pressed and blown glass, nec	3229	46.8	46.8	48.8	47.6	-	37.0	37.5	39.7	38.6	-
Products of purchased glass	323	45.0	46.0	49.4	49.4	-	29.8	30.8	34.3	34.0	-
Cement, hydraulic	324	26.5	26.1	26.7	26.9	-	21.0	20.6	21.0	21.1	-
Structural clay products	325	36.6	37.3	40.4	39.7	-	27.8	28.4	31.4	30.8	-
Pottery and related products	326	38.3	39.5	41.4	40.7	-	30.0	31.2	32.7	32.1	-
Concrete, gypsum, and plaster products	327	196.4	199.4	210.5	213.7	-	152.4	155.7	164.4	167.2	-
Concrete block and brick	3271	18.3	18.4	19.7	20.1	-	12.4	12.8	13.7	13.8	-
Concrete products, nec	3272	63.5	65.4	69.9	71.3	-	47.7	49.4	52.7	54.2	-
Ready-mixed concrete	3273	95.8	97.7	102.0	103.5	-	78.0	79.0	83.1	84.3	-
Misc. nonmetallic mineral products	329	112.0	113.8	122.4	122.5	-	78.5	80.2	86.5	86.8	-
Abrasive products	3291	22.7	22.9	24.8	24.8	-	14.9	15.0	16.6	16.6	-
Asbestos products	3292	11.7	12.1	12.7	12.8	-	8.6	9.1	9.8	9.9	-
Mineral wool	3296	26.6	26.9	27.6	27.6	-	-	-	-	-	-
Primary metal industries	33	835.4	841.3	894.1	879.8	881.6	621.4	628.6	682.8	668.2	671.3
Blast furnaces and basic steel products	331	346.9	346.9	351.1	344.9	339.4	260.8	261.8	271.5	266.4	-
Blast furnaces and steel mills	3312	283.4	282.2	280.5	275.1	-	214.7	214.3	218.2	214.0	-
Steel pipe and tubes	3317	23.8	24.4	25.6	25.5	-	16.8	17.5	19.0	18.9	-
Iron and steel foundries	332	139.9	142.5	159.7	156.8	-	106.6	109.5	126.9	123.8	-
Gray iron foundries	3321	89.1	92.0	102.3	100.0	-	70.3	72.9	83.6	81.4	-
Malleable iron foundries	3322	10.5	10.8	12.1	11.7	-	7.5	7.7	9.0	8.5	-
Steel foundries, nec	3325	30.0	29.5	33.2	32.6	-	21.6	21.8	25.4	24.7	-
Primary nonferrous metals	333	49.6	50.5	54.4	54.5	-	35.7	36.6	40.0	39.9	-
Primary aluminum	3334	25.9	26.6	29.5	29.6	-	19.6	20.3	22.8	22.9	-
Nonferrous rolling and drawing	335	182.0	180.7	190.0	188.9	-	128.3	127.3	134.6	132.5	-
Copper rolling and drawing	3351	24.9	25.6	27.1	26.1	-	18.1	18.6	20.1	18.9	-
Aluminum sheet, plate, and foil	3353	30.5	30.3	29.6	30.3	-	23.7	23.5	22.3	22.6	-
Nonferrous wire drawing and insulating	3357	77.5	75.1	81.4	80.8	-	54.3	52.5	57.9	57.0	-
Nonferrous foundries	336	76.7	79.6	90.6	87.3	-	60.9	63.4	73.3	70.0	-
Aluminum foundries	3361	46.0	47.6	55.5	53.5	-	37.4	38.7	45.9	43.9	-
Fabricated metal products	34	1,356.3	1,383.6	1,487.8	1,476.8	1,494.2	980.6	1,004.4	1,099.7	1,088.4	1,105.0
Metal cans and shipping containers	341	62.4	62.5	62.2	61.9	-	52.7	52.5	52.5	52.7	-
Metal cans	3411	50.1	50.4	49.7	49.3	-	43.2	43.3	42.7	42.7	-
Cutlery, hand tools, and hardware	342	135.0	138.0	147.6	144.4	-	98.4	101.0	110.2	106.6	-
Hand and edge tools, and hand saws and blades	3423,5	42.5	43.4	46.7	44.9	-	30.5	31.4	34.7	32.9	-
Hardware, nec	3429	79.6	81.0	87.2	85.7	-	59.3	60.4	66.4	64.7	-
Plumbing and heating, except electric	343	59.5	61.6	65.8	65.2	-	41.2	43.4	47.3	46.7	-
Plumbing fittings and brass goods	3432	24.0	24.4	28.1	27.3	-	17.9	18.2	21.4	20.7	-
Heating equipment, except electric	3433	27.1	28.6	28.3	28.6	-	17.6	19.2	18.8	19.0	-
Fabricated structural metal products	344	426.6	435.1	457.7	460.5	-	287.5	295.0	313.4	316.6	-
Fabricated structural metal	3441	76.2	77.7	79.7	81.5	-	52.2	53.9	55.8	57.4	-
Metal doors, sash, and trim	3442	84.1	86.0	91.6	92.3	-	61.8	63.6	67.1	67.6	-
Fabricated plate work (boiler shops)	3443	102.6	104.6	105.9	105.3	-	58.8	59.9	61.9	61.6	-
Sheet metal work	3444	105.2	107.2	116.6	117.5	-	75.6	77.6	85.5	86.6	-
Architectural metal work	3446	26.5	26.9	27.8	27.8	-	18.2	18.6	19.9	20.0	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p	July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p
Durable goods—Continued											
Fabricated metal products—Continued											
Screw machine products, bolts, etc	345	83.3	84.5	96.1	94.2	-	61.5	62.9	73.6	71.9	-
Screw machine products	3451	38.8	39.2	46.5	45.9	-	30.4	30.9	37.7	37.2	-
Bolts, nuts, rivets, and washers	3452	44.5	45.3	49.6	48.3	-	31.1	32.0	35.9	34.7	-
Metal forgings and stampings	346	222.9	228.5	256.8	251.5	-	175.4	180.6	206.4	201.3	-
Iron and steel forgings	3462	30.2	30.5	34.4	34.2	-	22.4	22.7	26.6	26.3	-
Automotive stampings	3465	83.3	85.8	99.4	98.0	-	70.3	72.8	85.4	83.8	-
Metal stampings, nec	3469	98.8	101.3	111.7	108.2	-	74.7	76.8	86.0	82.9	-
Metal services, nec	347	93.0	95.2	103.5	101.2	-	73.8	75.4	83.4	80.6	-
Plating and polishing	3471	63.5	65.4	71.8	69.2	-	51.5	52.7	59.0	55.8	-
Metal coating and allied services	3479	29.5	29.8	31.7	32.0	-	22.3	22.7	24.4	24.8	-
Ordnance and accessories, nec	348	64.6	64.2	68.0	68.6	-	41.3	40.7	44.3	44.9	-
Ammunition, except for small arms, nec	3483	29.1	29.5	31.0	31.5	-	18.7	19.0	20.1	20.8	-
Misc. fabricated metal products	349	209.0	214.0	230.1	229.3	-	148.8	152.9	168.6	167.1	-
Valves and pipe fittings	3494	80.5	81.4	86.3	86.6	-	52.1	53.0	58.5	58.6	-
Misc. fabricated wire products	3496	50.5	52.4	57.2	56.0	-	38.0	39.7	44.0	42.8	-
Machinery, except electrical	35	2,027.8	2,034.3	2,232.4	2,232.9	2,236.7	1,188.3	1,193.6	1,362.3	1,357.2	1,359.9
Engines and turbines	351	105.3	97.4	112.8	113.3	-	61.8	55.7	70.0	69.8	-
Turbines and turbine generator sets	3511	35.2	34.9	34.7	34.8	-	17.5	16.8	17.4	17.1	-
Internal combustion engines, nec	3519	70.1	62.5	78.1	78.5	-	44.3	38.9	52.6	52.7	-
Farm and garden machinery	352	104.1	103.6	117.4	114.3	-	67.6	66.1	79.1	76.1	-
Farm machinery and equipment	3523	85.7	84.9	94.5	93.3	-	54.9	53.1	62.2	61.0	-
Construction and related machinery	353	253.1	252.4	278.4	277.8	-	144.2	144.4	172.1	171.5	-
Construction machinery	3531	87.5	87.8	96.1	96.0	-	46.6	46.9	58.6	58.9	-
Mining machinery	3532	22.2	20.9	24.1	24.2	-	12.5	11.9	14.3	14.3	-
Oil field machinery	3533	68.9	68.4	75.9	75.5	-	42.1	42.0	49.2	48.7	-
Conveyors and conveying equipment	3535	25.9	26.4	29.8	29.8	-	13.3	13.8	16.1	16.1	-
Industrial trucks and tractors	3537	25.0	25.3	28.6	28.4	-	15.4	15.7	19.3	19.1	-
Metalworking machinery	354	274.4	277.3	310.7	309.5	-	189.4	192.4	220.5	218.6	-
Machine tools, metal cutting types	3541	50.8	50.8	56.4	56.9	-	28.8	29.1	34.2	34.7	-
Machine tools, metal forming types	3542	16.9	16.9	19.1	18.9	-	9.8	9.7	11.6	11.5	-
Special dies, tools, jigs, and fixtures	3544	118.5	119.7	134.8	134.0	-	91.3	92.3	105.8	104.8	-
Machine tool accessories	3545	49.9	50.9	58.9	58.4	-	33.7	34.9	41.2	40.7	-
Power driven hand tools	3546	21.5	22.4	23.7	23.3	-	15.5	16.3	16.2	15.5	-
Special industry machinery	355	159.3	160.5	169.3	168.9	-	92.9	94.1	101.7	100.9	-
Food products machinery	3551	36.0	36.3	36.6	36.3	-	21.9	22.2	22.6	22.3	-
Textile machinery	3552	20.2	20.4	21.3	20.8	-	13.5	13.8	14.7	14.1	-
Printing trades machinery	3555	32.9	33.0	34.6	34.5	-	18.8	19.0	20.4	20.2	-
General industrial machinery	356	251.1	252.2	279.8	280.6	-	154.0	155.6	179.2	179.5	-
Pumps and pumping equipment	3561	48.2	48.8	53.8	53.8	-	26.4	26.9	31.3	31.1	-
Ball and roller bearings	3562	43.2	43.5	50.4	50.1	-	31.6	32.0	38.1	37.7	-
Air and gas compressors	3563	23.6	22.9	23.0	23.3	-	11.9	11.5	12.7	13.0	-
Blowers and fans	3564	31.5	31.7	35.1	35.1	-	19.1	19.4	21.7	21.7	-
Speed changers, drives, and gears	3566	18.5	18.9	20.7	20.9	-	11.7	12.1	13.9	14.0	-
Power transmission equipment, nec	3568	16.4	16.5	19.6	19.6	-	10.8	10.9	13.5	13.5	-
Office and computing machines	357	483.4	487.7	510.8	514.5	-	192.4	195.3	205.0	206.3	-
Electronic computing equipment	3573	417.8	422.1	444.0	448.2	-	160.3	163.2	169.7	171.7	-
Refrigeration and service machinery	358	157.8	162.0	182.4	183.2	-	108.1	110.7	128.8	128.7	-
Refrigeration and heating equipment	3585	110.2	113.5	128.8	129.3	-	76.8	78.7	93.1	92.8	-
Misc. machinery, except electrical	359	239.3	241.2	270.8	270.8	-	177.9	179.3	205.9	205.8	-
Carburetors, pistons, rings, and valves	3592	33.5	34.0	38.8	38.7	-	26.6	27.0	31.5	31.3	-
Machinery, except electrical, nec	3599	205.8	207.2	232.0	232.1	-	151.3	152.3	174.4	174.5	-
Electrical and electronic equipment	36	2,018.5	2,021.6	2,250.0	2,248.6	2,265.6	1,218.4	1,221.0	1,390.5	1,384.9	1,401.1
Electric distributing equipment	361	105.7	107.1	114.4	113.7	-	75.3	76.7	82.9	82.3	-
Transformers	3612	46.6	47.7	51.4	50.9	-	32.5	33.4	37.2	36.8	-
Switchgear and switchboard apparatus	3613	59.1	59.4	63.0	62.8	-	42.8	43.3	45.7	45.5	-
Electrical industrial apparatus	362	196.1	197.5	216.9	214.2	-	134.7	136.2	155.0	152.0	-
Motors and generators	3621	97.7	98.3	108.0	105.3	-	74.4	75.0	84.3	81.5	-
Industrial controls	3622	61.3	62.0	67.9	68.0	-	35.8	36.5	42.1	42.1	-
Household appliances	363	141.1	142.2	153.4	149.9	-	109.7	110.7	121.1	118.5	-
Household refrigerators and freezers	3632	27.8	26.7	28.8	28.7	-	22.5	21.4	23.2	23.0	-
Household laundry equipment	3633	19.0	19.9	19.5	20.4	-	14.8	15.6	14.8	16.2	-
Electric housewares and fans	3634	39.9	42.7	44.9	42.2	-	29.9	32.4	34.7	32.4	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p	July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p
Durable goods—Continued											
Electrical and electronic equipment—Continued											
Electric lighting and wiring equipment	364	184.0	187.2	204.9	204.1	-	134.7	137.2	150.4	149.2	-
Electric lamps	3641	27.5	26.9	29.1	29.2	-	24.0	23.2	25.2	25.1	-
Current-carrying wiring devices	3643	76.9	78.2	88.2	87.7	-	51.6	52.5	59.2	58.6	-
Noncurrent-carrying wiring devices	3644	16.9	17.2	17.8	17.6	-	12.1	12.5	12.9	12.7	-
Residential lighting fixtures	3645	24.3	25.9	26.7	26.3	-	18.4	19.8	20.2	19.9	-
Radio and TV receiving equipment	365	82.6	86.6	91.2	91.5	-	55.7	59.6	63.6	64.0	-
Radio and TV receiving sets	3651	63.2	67.3	71.6	71.8	-	41.7	45.5	49.2	49.4	-
Communication equipment	366	577.7	558.1	613.4	620.6	-	262.5	243.0	282.0	286.3	-
Telephone and telegraph apparatus	3661	143.5	122.8	151.5	154.0	-	90.4	71.3	97.6	99.8	-
Radio and TV communication equipment	3662	434.2	435.3	461.9	466.6	-	172.1	171.7	184.4	186.5	-
Electronic components and accessories	367	587.2	595.0	696.0	698.2	-	344.7	352.6	421.2	421.8	-
Electronic tubes	3671-3	39.3	39.5	41.8	42.1	-	24.9	24.8	25.7	25.8	-
Semiconductors and related devices	3674	235.8	237.1	276.8	278.6	-	99.4	101.1	120.1	120.9	-
Electronic components, nec	3679	239.6	244.1	286.2	287.2	-	165.9	171.0	204.7	205.7	-
Misc. electrical equipment and supplies	369	144.1	147.9	159.8	156.4	-	101.1	105.0	114.3	110.8	-
Storage batteries	3691	27.1	28.7	30.3	29.2	-	21.0	22.6	23.6	22.4	-
Engine electrical equipment	3694	55.8	56.1	64.9	64.6	-	42.9	43.2	50.8	50.2	-
Transportation equipment	37	1,751.9	1,738.9	1,932.3	1,924.6	1,917.8	1,095.4	1,078.7	1,238.5	1,222.7	1,211.0
Motor vehicles and equipment	371	755.9	750.4	870.6	861.8	857.2	568.0	559.2	671.6	659.4	-
Motor vehicles and car bodies	3711	355.1	344.3	388.0	384.3	-	257.0	244.3	286.4	280.5	-
Truck and bus bodies	3713	33.8	34.4	40.6	41.0	-	25.8	26.2	32.1	32.5	-
Motor vehicle parts and accessories	3714	332.4	336.3	391.0	385.4	-	258.5	261.6	312.3	305.5	-
Truck trailers	3715	22.6	24.1	34.1	34.1	-	17.0	18.2	27.1	27.0	-
Aircraft and parts	372	575.1	571.6	600.1	604.0	-	277.0	273.7	287.6	287.4	-
Aircraft	3721	305.8	307.2	318.9	322.0	-	129.8	130.3	133.8	134.7	-
Aircraft engines and engine parts	3724	138.8	134.1	143.9	144.7	-	72.8	69.1	75.2	74.3	-
Aircraft equipment, nec	3728	130.5	130.3	137.3	137.3	-	74.4	74.3	78.6	78.4	-
Ship and boat building and repairing	373	189.7	183.4	206.1	205.9	-	144.7	138.0	156.6	155.9	-
Ship building and repairing	3731	147.3	141.4	154.6	156.0	-	109.8	103.6	114.1	114.8	-
Boat building and repairing	3732	42.4	42.0	51.5	49.9	-	34.9	34.4	42.5	41.1	-
Railroad equipment	374	30.0	30.3	36.9	37.2	-	18.9	19.7	25.4	25.7	-
Guided missiles, space vehicles, and parts	376	140.7	141.7	151.8	151.3	-	45.6	46.2	50.4	50.0	-
Guided missiles and space vehicles	3761	109.2	110.0	117.4	116.3	-	34.3	34.8	38.0	37.6	-
Miscellaneous transportation equipment	379	45.4	46.1	50.3	49.4	-	30.2	30.7	34.5	33.4	-
Travel trailers and campers	3792	19.6	20.9	22.6	21.7	-	15.3	16.4	17.8	17.0	-
Instruments and related products	38	690.2	695.7	727.5	726.1	729.9	384.6	389.9	407.4	405.1	406.9
Engineering and scientific instruments	381	76.0	76.1	80.3	81.1	-	34.8	34.7	36.0	35.9	-
Measuring and controlling devices	382	232.0	232.2	253.9	253.0	-	135.4	136.1	147.0	147.0	-
Environmental controls	3822	41.9	42.4	47.4	47.0	-	27.1	27.8	30.6	30.3	-
Process control instruments	3823	52.1	52.0	54.5	54.7	-	24.7	24.6	26.5	26.7	-
Instruments to measure electricity	3825	98.6	98.3	107.7	107.2	-	57.1	57.3	60.8	61.1	-
Optical instruments and lenses	383	32.8	32.8	32.0	31.5	-	16.4	16.6	17.2	17.0	-
Medical instruments and supplies	384	169.3	171.7	176.3	176.4	-	102.7	104.7	106.9	105.7	-
Surgical and medical instruments	3841	85.3	86.6	85.2	85.6	-	49.8	50.9	48.9	48.0	-
Surgical appliances and supplies	3842	70.1	71.0	76.3	76.0	-	44.9	45.6	49.5	49.2	-
Ophthalmic goods	385	38.2	39.0	41.0	41.3	-	25.9	26.8	27.2	27.4	-
Photographic equipment and supplies	386	127.2	127.6	127.5	127.2	-	59.5	59.8	61.5	61.1	-
Watches, clocks, and watchcases	387	14.7	16.3	16.5	15.6	-	9.9	11.2	11.6	11.0	-
Miscellaneous manufacturing	39	366.1	377.5	388.2	380.1	390.8	263.8	273.5	284.2	276.3	286.5
Jewelry, silverware, and plated ware	391	48.9	53.5	51.9	49.7	-	34.1	37.8	35.6	33.8	-
Jewelry, precious metal	3911	32.3	36.0	34.5	32.4	-	22.5	25.4	23.4	21.8	-
Musical instruments	393	16.8	17.4	17.0	17.8	-	13.1	13.7	13.3	14.0	-
Toys and sporting goods	394	110.9	112.3	120.9	119.8	-	80.5	81.4	91.6	90.3	-
Dolls, games, toys, and children's vehicles	3942,4	59.5	60.6	61.1	60.8	-	41.7	42.4	45.1	44.8	-
Sporting and athletic goods, nec	3949	51.4	51.7	59.8	59.0	-	38.8	39.0	46.5	45.5	-
Pens, pencils, office, and art supplies	395	32.3	32.3	34.2	33.7	-	22.5	22.4	23.5	22.8	-
Costume jewelry and notions	396	34.0	36.6	36.4	33.8	-	25.8	28.1	28.0	25.5	-
Costume jewelry	3961	18.2	19.7	20.2	18.3	-	13.9	15.2	15.6	13.9	-
Miscellaneous manufactures	399	123.2	125.4	127.8	125.3	-	87.8	90.1	92.2	89.9	-
Signs and advertising displays	3993	47.0	47.3	50.6	50.2	-	33.0	33.4	36.1	35.7	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P	July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P
Nondurable goods		7,703	7,873	8,019	7,965	8,099	5,401	5,565	5,662	5,601	5,725
Food and kindred products	20	1,658.0	1,712.4	1,637.6	1,687.4	1,732.4	1,148.8	1,202.8	1,132.1	1,179.0	1,224.2
Meat products	201	349.4	350.0	355.5	359.8	-	291.6	292.4	298.3	303.0	-
Meat packing plants	2011	143.2	143.6	146.3	147.3	-	116.4	116.7	120.7	122.2	-
Sausages and other prepared meats	2013	73.5	73.1	72.2	72.9	-	54.7	54.4	53.5	54.1	-
Poultry dressing plants	2016	115.2	115.7	119.6	122.1	-	105.0	105.7	108.7	111.2	-
Dairy products	202	168.0	169.1	168.4	168.1	-	97.6	98.5	99.3	98.9	-
Cheese, natural and processed	2022	38.5	38.4	38.3	38.2	-	29.6	29.5	29.4	29.3	-
Fluid milk	2026	89.9	90.1	89.4	89.4	-	41.9	42.0	42.9	42.9	-
Preserved fruits and vegetables	203	252.4	303.0	229.1	271.6	-	209.8	260.2	187.3	227.4	-
Canned specialties	2032	24.3	25.7	25.6	26.2	-	18.0	19.3	18.9	19.3	-
Canned fruits and vegetables	2033	99.1	143.9	77.3	112.0	-	82.2	127.1	61.9	94.9	-
Frozen fruits and vegetables	2037	50.8	53.2	48.0	50.8	-	44.0	46.1	42.2	44.7	-
Grain mill products	204	131.7	132.4	129.9	129.2	-	89.0	89.4	87.3	86.4	-
Flour and other grain mill products	2041	25.5	25.5	24.6	24.4	-	15.2	15.2	14.8	14.5	-
Prepared feeds, nec	2048	48.3	48.2	47.5	47.2	-	31.0	31.0	30.1	29.7	-
Bakery products	205	217.7	216.9	215.5	215.3	-	129.5	128.9	129.1	128.8	-
Bread, cake, and related products	2051	172.9	172.3	170.4	170.3	-	93.5	93.0	93.0	92.8	-
Cookies and crackers	2052	44.8	44.6	45.1	45.0	-	36.0	35.9	36.1	36.0	-
Sugar and confectionery products	206	95.8	98.6	96.8	96.2	-	73.7	75.7	73.7	73.2	-
Cane and beet sugar	2061-3	23.5	23.9	23.0	22.3	-	17.7	17.8	17.6	17.1	-
Confectionery products	2065	52.2	54.2	54.0	53.7	-	42.4	43.9	42.8	42.6	-
Fats and oils	207	38.8	38.6	39.3	38.9	-	28.7	28.5	29.0	28.3	-
Beverages	208	230.7	228.8	230.2	230.3	-	98.5	97.6	99.1	99.3	-
Malt beverages	2082	49.9	48.9	49.1	49.5	-	30.5	29.6	30.5	30.9	-
Bottled and canned soft drinks	2086	134.7	134.1	136.2	137.2	-	44.0	43.9	44.7	45.3	-
Misc. food and kindred products	209	173.5	175.0	172.9	178.0	-	130.4	131.6	129.0	133.7	-
Tobacco manufactures	21	63.9	69.3	62.5	62.0	64.9	47.8	53.2	46.1	43.7	43.6
Cigarettes	211	47.7	47.0	45.1	45.0	-	35.9	35.5	33.3	31.3	-
Textile mill products	22	732.5	754.9	762.7	741.7	753.8	630.5	652.9	660.2	640.4	652.2
Weaving mills, cotton	221	122.1	124.6	120.3	119.5	-	108.4	110.8	107.7	106.7	-
Weaving mills, synthetics	222	90.1	92.7	92.3	91.3	-	80.5	83.1	82.1	80.9	-
Weaving and finishing mills, wool	223	16.7	17.8	19.1	17.9	-	13.9	15.0	16.0	15.0	-
Narrow fabric mills	224	20.9	22.5	23.3	21.7	-	17.8	19.4	19.9	18.5	-
Knitting mills	225	205.0	208.7	211.8	208.4	-	177.2	181.3	184.8	181.6	-
Women's hosiery, except socks	2251	33.0	33.9	34.7	34.2	-	29.6	30.6	31.3	30.8	-
Hosiery, nec	2252	35.2	36.0	35.8	35.5	-	31.8	32.5	32.2	31.9	-
Knit outerwear mills	2253	61.9	63.1	64.5	63.1	-	52.8	54.5	55.7	54.4	-
Knit underwear mills	2254	30.2	30.8	31.4	30.3	-	25.5	25.9	27.0	26.0	-
Circular knit fabric mills	2257	25.1	25.2	25.3	25.8	-	21.2	21.3	21.7	22.1	-
Textile finishing, except wool	226	62.2	63.9	65.3	63.7	-	51.7	53.3	55.0	53.5	-
Finishing plants, cotton	2261	24.7	25.5	25.5	24.9	-	20.5	21.2	21.4	20.8	-
Finishing plants, synthetics	2262	23.3	23.6	23.9	23.3	-	19.3	19.6	20.1	19.5	-
Floor covering mills	227	48.2	49.8	53.2	52.2	-	38.1	40.0	43.0	41.9	-
Yarn and thread mills	228	108.8	114.0	113.8	107.2	-	97.1	102.0	101.3	94.9	-
Yarn mills, except wool	2281	75.0	78.2	78.1	74.3	-	67.4	70.5	70.4	66.5	-
Throwing and winding mills	2282	16.8	17.9	17.9	17.1	-	15.1	16.0	15.9	15.2	-
Miscellaneous textile goods	229	58.5	60.9	63.6	59.8	-	45.8	48.0	50.4	47.4	-
Apparel and other textile products	23	1,130.8	1,177.1	1,226.9	1,171.0	1,222.3	953.0	996.2	1,038.6	986.1	1,032.4
Men's and boys' suits and coats	231	68.9	69.2	73.9	71.6	-	60.2	60.3	64.7	62.6	-
Men's and boys' furnishings	232	315.3	330.9	352.4	333.9	-	268.9	283.2	303.3	285.5	-
Men's and boys' shirts and nightwear	2321	93.1	95.4	102.1	99.3	-	80.0	82.0	88.8	86.1	-
Men's and boys' separate trousers	2327	58.3	63.4	68.9	67.3	-	51.2	54.8	60.0	58.5	-
Men's and boys' work clothing	2328	95.2	100.9	106.9	95.3	-	79.6	85.5	90.6	79.4	-
Women's and misses' outerwear	233	374.5	389.9	397.0	374.5	-	315.3	329.9	333.2	314.1	-
Women's and misses' blouses and waists	2331	58.7	60.3	60.1	57.8	-	49.6	51.0	51.5	49.1	-
Women's and misses' dresses	2335	118.7	125.0	125.2	114.2	-	101.4	107.2	105.6	96.3	-
Women's and misses' suits and coats	2337	57.1	60.6	59.5	58.9	-	48.0	51.4	48.8	48.8	-
Women's and misses' outerwear, nec	2339	140.0	144.0	152.2	143.6	-	116.3	120.3	127.3	119.9	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p	July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p
Nondurable goods—Continued											
Apparel and other textile products—Continued											
Women's and children's undergarments	234	81.2	85.4	88.8	85.0	-	68.0	72.2	75.0	71.0	-
Women's and children's underwear	2341	65.6	69.3	71.9	68.9	-	56.5	60.2	62.2	59.1	-
Brassieres and allied garments	2342	15.6	16.1	16.9	16.1	-	11.5	12.0	12.8	11.9	-
Children's outerwear	236	59.4	59.8	64.5	63.4	-	50.6	50.7	54.9	53.7	-
Children's dresses and blouses	2361	24.5	24.9	26.2	25.6	-	21.6	21.9	23.2	22.7	-
Misc. apparel and accessories	238	44.4	47.7	48.5	45.9	-	36.5	39.5	40.4	37.8	-
Misc. fabricated textile products	239	168.3	174.8	180.6	175.7	-	137.9	144.2	149.6	144.1	-
Curtains and draperies	2391	24.6	25.8	26.4	25.8	-	20.1	21.2	21.6	21.0	-
House furnishings, nec	2392	48.7	51.3	51.0	49.9	-	40.9	43.4	43.4	42.2	-
Automotive and apparel trimmings	2396	30.1	31.1	33.4	32.7	-	24.7	25.6	27.5	26.9	-
Paper and allied products	26	662.0	666.6	690.7	687.9	690.2	496.0	497.7	520.4	516.8	518.2
Paper and pulp mills	261,2,6	201.1	199.9	208.1	208.3	-	151.5	150.1	157.4	157.3	-
Paper mills, except building paper	262	175.0	174.1	181.6	181.8	-	130.2	129.1	135.7	135.5	-
Paperboard mills	263	58.9	59.1	59.9	59.8	-	45.1	45.4	46.1	45.8	-
Misc. converted paper products	264	212.4	215.1	224.2	223.5	-	155.2	155.6	163.9	162.7	-
Paper coating and glazing	2641	55.4	56.0	58.5	58.7	-	35.5	36.2	38.2	38.3	-
Envelopes	2642	24.0	24.4	25.9	24.9	-	18.6	18.9	20.1	19.1	-
Bags, except textile bags	2643	46.6	47.0	49.0	48.5	-	36.0	36.6	38.1	37.7	-
Paperboard containers and boxes	265	189.6	192.5	198.5	196.3	-	144.2	146.6	153.0	151.0	-
Folding paperboard boxes	2651	40.6	41.0	42.4	41.7	-	31.7	31.8	33.4	32.7	-
Corrugated and solid fiber boxes	2653	97.7	99.4	103.3	102.5	-	72.3	73.8	77.6	76.9	-
Sanitary food containers	2654	23.5	23.4	23.6	23.5	-	19.0	18.9	19.5	19.5	-
Printing and publishing	27	1,292.2	1,297.3	1,362.2	1,363.1	1,366.6	703.7	709.1	750.8	749.2	750.4
Newspapers	271	429.2	429.4	443.1	443.7	-	160.4	159.7	166.9	166.5	-
Periodicals	272	99.7	100.0	103.9	104.4	-	20.9	21.5	23.4	23.3	-
Books	273	96.9	96.4	101.4	101.9	-	47.9	47.6	49.8	49.7	-
Book publishing	2731	71.9	71.6	75.0	74.9	-	27.5	27.4	28.4	27.7	-
Book printing	2732	25.0	24.8	26.4	27.0	-	20.4	20.2	21.4	22.0	-
Miscellaneous publishing	274	53.6	54.0	56.0	55.7	-	28.8	29.1	30.2	29.9	-
Commercial printing	275	433.0	436.1	468.5	466.6	-	314.8	318.7	343.3	341.4	-
Commercial printing, letterpress	2751	149.2	151.2	162.5	161.7	-	109.7	111.9	120.8	120.4	-
Commercial printing, lithographic	2752	260.0	260.8	280.6	279.7	-	186.1	187.5	202.1	200.6	-
Manifold business forms	276	47.1	47.3	48.7	48.6	-	32.6	32.7	33.6	33.6	-
Blankbooks and bookbinding	278	65.3	66.4	69.3	70.7	-	52.9	53.9	56.0	57.3	-
Printing trade services	279	44.1	44.3	46.5	45.8	-	32.5	32.8	34.1	33.4	-
Chemicals and allied products	28	1,051.9	1,050.3	1,070.4	1,070.2	1,070.2	582.1	581.7	596.3	591.0	593.8
Industrial inorganic chemicals	281	154.6	155.2	157.8	158.1	-	77.8	78.2	79.8	79.5	-
Industrial inorganic chemicals, nec	2819	104.5	105.1	108.1	108.2	-	53.9	54.1	55.9	55.6	-
Plastics materials and synthetics	282	178.0	178.1	178.1	178.7	-	115.7	115.7	117.8	117.6	-
Plastics materials and resins	2821	74.7	75.0	77.4	78.0	-	43.3	43.7	46.2	46.1	-
Organic fibers, noncellulosic	2824	73.0	72.9	70.8	70.6	-	51.4	51.3	50.0	49.6	-
Drugs	283	202.0	201.3	202.3	202.7	-	98.7	98.2	95.2	94.0	-
Pharmaceutical preparations	2834	158.9	159.0	161.3	161.5	-	76.0	76.1	76.2	75.5	-
Soap, cleaners, and toilet goods	284	145.4	145.1	148.5	149.3	-	91.1	91.4	95.2	95.3	-
Soap and other detergents	2841	43.6	42.9	43.2	43.4	-	28.2	27.5	28.5	28.4	-
Toilet preparations	2844	64.2	64.4	66.7	67.3	-	42.4	43.1	45.3	45.4	-
Polishing, sanitation, and finishing preparations	2842,3	37.6	37.8	38.6	38.6	-	20.5	20.8	21.4	21.5	-
Paints and allied products	285	60.9	61.4	63.1	62.8	-	30.2	30.5	31.5	30.9	-
Industrial organic chemicals	286	162.7	161.4	163.9	163.7	-	83.0	82.5	82.7	81.8	-
Cyclic crudes and intermediates	2865	33.1	33.2	33.3	32.8	-	19.8	19.8	20.0	19.7	-
Gum, wood, and industrial organic chemicals, nec	2861,9	129.6	128.2	130.6	130.9	-	63.2	62.7	62.7	62.1	-
Agricultural chemicals	287	59.0	58.1	62.3	60.8	-	35.2	34.2	39.0	37.3	-
Miscellaneous chemical products	289	89.3	89.7	94.4	94.1	-	50.4	51.0	55.1	54.6	-
Petroleum and coal products	29	198.9	197.7	190.3	190.7	190.5	120.8	120.2	112.0	112.4	112.1
Petroleum refining	291	159.1	157.9	150.9	151.0	-	91.9	91.2	83.6	83.6	-
Paving and roofing materials	295	28.7	28.6	27.9	28.2	-	22.0	22.0	21.2	21.6	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p	July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p
Non-durable goods—Continued											
Rubber and misc. plastics products	30	717.0	734.3	806.2	796.9	805.0	555.3	571.7	630.6	619.9	628.1
Tires and inner tubes	301	96.0	96.3	102.7	103.7	-	70.1	69.8	72.5	73.2	-
Rubber and plastics footwear	302	16.4	17.2	18.1	17.6	-	13.6	14.6	15.6	15.1	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	19.8	20.7	24.2	23.8	-	13.6	14.4	17.1	17.0	-
Fabricated rubber products, nec	306	98.8	101.3	110.6	108.8	-	75.5	77.6	85.7	83.6	-
Miscellaneous plastics products	307	486.0	498.8	550.6	543.0	-	382.5	395.3	439.7	431.0	-
Leather and leather products	31	195.7	213.0	209.0	194.3	203.1	163.1	179.0	175.0	162.3	169.8
Leather tanning and finishing	311	17.6	19.4	18.4	17.0	-	14.6	16.2	15.4	14.1	-
Footwear, except rubber	314	118.5	129.5	125.7	116.4	-	100.5	111.0	107.1	99.2	-
Men's footwear, except athletic	3143	48.2	52.3	51.3	47.8	-	38.7	42.6	41.8	38.9	-
Women's footwear, except athletic	3144	45.7	49.1	48.4	44.2	-	40.4	43.8	42.4	38.8	-
Luggage	316	12.2	12.9	12.4	11.9	-	8.9	9.4	9.3	8.9	-
Handbags and personal leather goods	317	26.8	28.4	28.6	26.7	-	22.0	23.4	23.4	21.7	-
Transportation and public utilities		5,020	4,382	5,212	5,193	5,200	4,133	3,491	4,300	4,280	4,292
Transportation		2,750	2,751	2,918	2,896	2,914	-	-	-	-	-
Railroad transportation	40	388.3	384.9	378.8	377.8	-	-	-	-	-	-
Class I railroads ²	4011	358.7	355.3	349.5	348.8	-	-	-	-	-	-
Local and interurban passenger transit	41	213.8	211.7	261.0	220.1	-	194.9	193.3	242.1	200.9	-
Local and suburban transportation	411	77.2	76.5	82.2	81.5	-	70.6	70.0	75.2	74.1	-
Taxicabs	412	38.2	38.1	37.6	37.3	-	-	-	-	-	-
Intercity highway transportation	413	40.7	40.6	39.6	39.3	-	37.3	37.2	36.7	36.4	-
School buses	415	38.4	37.6	81.4	42.7	-	-	-	-	-	-
Trucking and warehousing	42	1,235.0	1,238.8	1,308.1	1,309.2	-	1,075.7	1,079.3	1,141.6	1,142.2	-
Trucking and trucking terminals	421,3	1,152.7	1,153.8	1,224.0	1,224.5	-	1,007.3	1,008.0	1,071.8	1,071.9	-
Public warehousing	422	82.3	85.0	84.1	84.7	-	68.4	71.3	69.8	70.3	-
Water transportation	44	199.0	201.5	217.2	225.3	-	-	-	-	-	-
Local water transportation	445	30.2	30.4	30.6	31.5	-	-	-	-	-	-
Water transportation services	446	101.8	103.7	118.0	124.5	-	-	-	-	-	-
Transportation by air	45	460.7	463.1	481.0	488.9	-	-	-	-	-	-
Air transportation	451,2	406.8	408.3	421.0	427.4	-	-	-	-	-	-
Air transportation services	458	53.9	54.8	60.0	61.5	-	-	-	-	-	-
Pipe lines, except natural gas	46	21.2	21.1	21.4	21.5	-	14.9	14.8	15.1	15.3	-
Transportation services	47	232.4	230.1	250.8	253.6	-	-	-	-	-	-
Freight forwarding	471	53.8	52.8	60.6	61.5	-	-	-	-	-	-
Communication and public utilities		2,270	1,631	2,294	2,297	2,295	-	-	-	-	-
Communication	48	1,392.1	748.4	1,397.3	1,395.9	-	1,059.9	414.2	1,055.8	1,066.5	-
Telephone communication	481	1,018.5	370.8	993.8	990.7	-	760.5	112.5	737.7	736.1	-
Radio and television broadcasting	483	226.0	226.6	231.7	231.2	-	181.0	181.3	186.4	186.0	-
Radio broadcasting	4832	111.1	110.8	112.5	112.5	-	-	-	-	-	-
Television broadcasting	4833	114.9	115.8	119.2	118.7	-	-	-	-	-	-
Electric, gas, and sanitary services	49	877.8	882.6	896.5	901.2	-	704.7	708.1	717.3	719.4	-
Electric services	491	437.0	436.6	440.1	442.7	-	347.1	346.4	345.5	346.6	-
Gas production and distribution	492	175.5	175.3	175.1	175.8	-	140.6	140.3	139.3	139.7	-
Combination utility services	493	187.7	193.1	200.4	201.2	-	149.0	153.6	162.6	162.6	-
Sanitary services	495	53.2	53.4	56.6	57.3	-	47.8	47.8	50.0	50.6	-
Wholesale trade		5,285	5,303	5,537	5,558	5,586	4,243	4,265	4,461	4,483	4,507
Durable goods	50	3,069	3,084	3,268	3,282	3,304	2,439	2,456	2,617	2,632	-
Motor vehicles and automotive equipment	501	402.7	403.9	420.2	422.0	-	314.2	316.5	336.9	339.0	-
Automobiles and other motor vehicles	5012	96.3	96.2	102.4	103.0	-	-	-	-	-	-
Automotive parts and supplies	5013	273.0	273.8	283.7	285.0	-	-	-	-	-	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p	July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p
Wholesale trade—Continued											
Durable goods—Continued											
Furniture and home furnishings	502	110.9	112.4	119.6	117.6	-	91.0	92.5	99.9	97.2	-
Furniture	5021	48.0	48.0	50.6	50.1	-	-	-	-	-	-
Home furnishings	5023	62.9	64.4	69.0	67.5	-	-	-	-	-	-
Lumber and construction materials	503	191.2	193.6	204.4	205.7	-	157.6	159.9	169.6	171.1	-
Lumber, plywood, and millwork	5031	85.6	86.8	94.5	95.2	-	-	-	-	-	-
Construction materials, nec	5039	105.6	106.8	109.9	110.5	-	-	-	-	-	-
Sporting goods, toys, and hobby goods	504	72.3	72.3	74.3	74.6	-	58.4	58.3	62.0	62.4	-
Metals and minerals, except petroleum	505	127.8	128.6	132.8	132.9	-	101.6	102.3	106.9	107.2	-
Electrical goods	506	438.9	441.0	468.7	469.1	-	347.4	349.7	371.9	374.4	-
Electrical apparatus and equipment	5063	236.6	237.2	248.0	248.3	-	-	-	-	-	-
Electrical appliances, TV and radios	5064	70.0	69.8	74.0	73.0	-	-	-	-	-	-
Electronic parts and equipment	5065	132.3	134.0	146.7	147.8	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	235.1	236.7	248.7	249.5	-	189.9	191.8	201.7	202.4	-
Hardware	5072	79.4	79.9	83.8	84.0	-	-	-	-	-	-
Plumbing and hydronic heating supplies	5074	97.2	98.1	102.9	103.1	-	-	-	-	-	-
Machinery, equipment, and supplies	508	1,309.8	1,312.6	1,403.2	1,417.1	-	1,030.5	1,033.5	1,104.7	1,117.0	-
Commercial machines and equipment	5081	439.9	441.7	481.0	488.0	-	-	-	-	-	-
Construction and mining machinery	5082	72.5	73.3	79.1	79.8	-	-	-	-	-	-
Farm machinery and equipment	5083	138.7	137.8	141.8	141.9	-	-	-	-	-	-
Industrial machinery and equipment	5084	290.7	290.5	311.0	314.4	-	-	-	-	-	-
Industrial supplies	5085	124.9	125.3	133.7	134.8	-	-	-	-	-	-
Professional equipment and supplies	5086	147.5	148.1	156.7	157.1	-	-	-	-	-	-
Miscellaneous durable goods	509	180.4	182.8	196.5	193.0	-	148.8	151.4	163.8	160.8	-
Scrap and waste materials	5093	83.1	84.5	95.4	92.8	-	-	-	-	-	-
Nondurable goods	51	2,216	2,219	2,269	2,276	2,282	1,804	1,809	1,844	1,851	-
Paper and paper products	511	162.5	163.2	172.2	173.6	-	132.0	133.1	139.7	141.3	-
Drugs, proprietaries, and sundries	512	154.8	153.9	156.8	155.5	-	129.2	128.9	130.4	129.3	-
Apparel, piece goods, and notions	513	169.0	171.2	176.9	176.1	-	128.3	129.8	131.2	130.0	-
Groceries and related products	514	688.5	688.8	720.5	727.6	-	594.5	595.0	620.7	627.3	-
Groceries, general line	5141	218.5	219.6	229.7	231.3	-	-	-	-	-	-
Meats and meat products	5147	63.5	63.3	65.8	65.6	-	-	-	-	-	-
Fresh fruits and vegetables	5148	87.8	86.7	93.7	99.2	-	-	-	-	-	-
Chemicals and allied products	516	123.2	123.7	128.0	127.6	-	85.3	85.8	88.9	88.9	-
Petroleum and petroleum products	517	214.5	212.9	208.5	208.3	-	159.1	157.5	155.5	155.9	-
Petroleum bulk stations and terminals	5171	87.0	85.4	83.7	83.4	-	-	-	-	-	-
Petroleum products, nec	5172	127.5	127.5	124.8	124.9	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	150.5	150.6	154.4	157.2	-	127.0	127.2	129.2	131.8	-
Beer and ale	5181	93.5	94.0	97.4	99.6	-	-	-	-	-	-
Wines and distilled beverages	5182	57.0	56.6	57.0	57.6	-	-	-	-	-	-
Miscellaneous nondurable goods	519	410.4	409.6	411.9	409.8	-	332.9	332.6	333.9	332.4	-
Farm supplies	5191	160.5	158.7	156.6	158.3	-	-	-	-	-	-
Retail trade	52	15,635	15,732	16,359	16,343	16,412	14,039	14,123	14,660	14,635	14,671
Building materials and garden supplies	52	635.0	635.1	673.9	669.1	-	536.8	536.7	573.0	568.3	-
Lumber and other building materials	521	333.6	335.8	355.1	355.7	-	284.1	286.2	303.5	304.1	-
Hardware stores	525	151.1	150.6	158.4	158.7	-	128.3	127.8	134.5	134.8	-
General merchandise stores	53	2,116.4	2,127.6	2,235.1	2,242.6	2,236.6	1,982.4	1,989.4	2,092.0	2,094.7	-
Department stores	531	1,787.3	1,794.7	1,899.2	1,907.6	-	1,685.3	1,689.1	1,792.1	1,796.0	-
Variety stores	533	207.9	210.0	211.7	210.9	-	191.7	193.1	192.3	190.9	-
Misc. general merchandise stores	539	121.2	122.9	124.2	124.1	-	105.4	107.2	107.6	107.8	-
Food stores	54	2,562.9	2,565.9	2,645.9	2,658.6	2,667.5	2,381.3	2,384.3	2,460.3	2,472.2	-
Grocery stores	541	2,247.8	2,248.9	2,323.5	2,338.4	-	2,098.2	2,099.2	2,170.5	2,185.0	-
Meat markets and freezer provisioners	542	58.5	58.9	56.3	56.1	-	-	-	-	-	-
Dairy products stores	545	38.2	38.7	40.8	41.5	-	-	-	-	-	-
Retail bakeries	546	141.8	142.8	149.3	148.9	-	129.5	130.5	135.7	134.7	-
Automotive dealers and service stations	55	1,690.3	1,698.5	1,770.4	1,782.7	1,781.8	1,425.8	1,433.4	1,487.6	1,496.5	-
New and used car dealers	551,2	767.9	773.0	818.7	823.8	-	632.5	637.1	675.1	679.0	-
Auto and home supply stores	553	276.5	278.1	286.8	289.4	-	239.1	239.9	241.4	242.5	-
Gasoline service stations	554	565.5	569.1	577.2	561.7	-	488.5	491.4	500.4	504.4	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P	July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P
Retail trade—Continued											
Apparel and accessory stores	56	939.8	953.4	972.0	963.8	-	794.5	807.4	816.8	811.9	-
Men's and boys' clothing and furnishings	561	113.6	113.3	117.8	115.9	-	95.5	95.2	98.3	96.8	-
Women's ready-to-wear stores	562	340.5	344.4	355.3	353.6	-	290.0	293.0	300.9	299.7	-
Family clothing stores	565	176.9	179.2	179.7	181.5	-	154.5	156.7	156.3	157.9	-
Shoe stores	566	201.6	207.2	208.3	202.7	-	163.4	169.3	169.1	165.7	-
Furniture and home furnishings stores	57	596.5	603.7	651.1	653.9	-	495.9	503.5	542.6	545.5	-
Furniture and home furnishings stores	571	356.0	361.5	381.2	381.1	-	296.2	301.6	317.5	317.9	-
Furniture stores	5712	232.2	234.8	245.2	244.5	-	-	-	-	-	-
Household appliance stores	572	78.8	79.3	80.2	80.7	-	67.4	67.8	68.0	68.5	-
Radio, television, and music stores	573	161.7	162.9	189.7	192.1	-	132.3	134.1	157.1	159.1	-
Radio and television stores	5732	106.6	106.8	128.4	130.3	-	-	-	-	-	-
Music stores	5733	55.1	56.1	61.3	61.8	-	-	-	-	-	-
Eating and drinking places	58	5,157.7	5,200.1	5,381.1	5,350.9	5,392.6	4,747.2	4,781.9	4,938.2	4,906.0	-
Miscellaneous retail	59	1,936.2	1,947.2	2,029.5	2,021.3	-	1,675.3	1,685.9	1,749.2	1,739.8	-
Drug stores and proprietary stores	591	501.7	504.2	531.0	531.2	-	445.6	448.3	467.4	467.0	-
Liquor stores	592	126.8	125.6	124.7	122.8	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	623.1	628.4	649.6	649.0	-	531.1	536.2	555.2	555.6	-
Sporting goods and bicycle shops	5941	101.3	104.5	105.6	106.7	-	-	-	-	-	-
Book stores	5942	57.2	57.5	62.0	59.8	-	-	-	-	-	-
Stationery stores	5943	63.7	63.3	67.4	67.2	-	-	-	-	-	-
Jewelry stores	5944	135.8	135.9	136.4	135.5	-	-	-	-	-	-
Gift, novelty, and souvenir shops	5947	117.7	117.8	121.1	123.0	-	-	-	-	-	-
Sewing, needlework, and piece goods	5949	60.7	61.6	66.2	66.1	-	-	-	-	-	-
Nonstore retailers	596	241.8	245.8	250.6	248.2	-	220.6	224.3	227.8	224.4	-
Mail order houses	5961	116.4	118.8	117.4	116.7	-	-	-	-	-	-
Merchandising machine operators	5962	77.7	78.8	82.5	81.2	-	-	-	-	-	-
Fuel and ice dealers	598	97.6	97.9	103.3	102.8	-	80.4	80.4	85.5	85.0	-
Retail stores, nec	599	278.2	277.8	297.5	294.5	-	232.5	233.0	246.8	243.4	-
Finance, insurance, and real estate³		5,552	5,574	5,721	5,758	5,773	4,147	4,159	4,268	4,296	4,311
Finance		2,770	2,778	2,864	2,879	2,864	-	-	-	-	-
Banking	60	1,678.8	1,678.6	1,694.2	1,701.6	-	1,254.2	1,252.4	1,260.7	1,267.4	-
Commercial and stock savings banks	602	1,522.9	1,522.8	1,539.6	1,545.9	-	1,133.0	1,131.5	1,138.8	1,144.6	-
State banks, Federal Reserve	6022	335.2	335.4	339.4	340.8	-	-	-	-	-	-
State banks, not Federal Reserve	6023,4	384.1	383.8	388.4	389.6	-	-	-	-	-	-
Mutual savings banks	603	76.2	75.9	79.0	79.1	-	-	-	-	-	-
Credit agencies other than banks	61	637.5	640.6	684.7	688.9	-	486.7	488.8	522.5	524.7	-
Savings and loan associations	612	296.1	298.0	315.2	317.1	-	228.8	230.4	243.4	244.2	-
Federal savings and loan associations	6122	171.0	172.3	182.3	183.2	-	-	-	-	-	-
State associations, insured	6123	116.4	117.0	123.6	124.4	-	-	-	-	-	-
Personal credit institutions	614	199.8	200.7	211.9	212.1	-	153.0	153.5	162.7	163.0	-
Business credit institutions	615	36.7	36.6	37.8	38.7	-	-	-	-	-	-
Mortgage bankers and brokers	616	81.8	82.2	96.0	96.9	-	-	-	-	-	-
Security, commodity brokers, and services	62	316.1	319.5	343.3	345.3	-	-	-	-	-	-
Security brokers and dealers	621	257.6	260.7	280.3	281.6	-	-	-	-	-	-
Holding and other investment offices	67	137.7	139.1	142.0	142.8	-	-	-	-	-	-
Insurance		1,727	1,730	1,757	1,769	1,755	-	-	-	-	-
Insurance carriers	63	1,237.6	1,238.5	1,251.2	1,253.6	-	836.4	834.3	847.5	850.0	-
Life insurance	631	541.6	542.9	539.6	540.0	-	325.7	324.2	326.5	327.2	-
Medical service and health insurance	632	146.5	146.6	154.5	155.4	-	116.9	116.9	124.0	124.8	-
Fire, marine, and casualty insurance	633	472.5	471.1	473.8	474.5	-	332.1	330.9	330.6	332.1	-
Title insurance	636	42.8	43.6	46.2	46.3	-	-	-	-	-	-
Insurance agents, brokers, and service	64	489.8	491.1	506.2	515.4	-	-	-	-	-	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p	July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p
Finance, insurance, and real estate—Continued											
Real estate, and combined real estate, insurance, etc		1,054	1,067	1,100	1,110	1,091	-	-	-	-	-
Real estate	65	1,038.5	1,050.9	1,083.8	1,093.4	-	-	-	-	-	
Real estate operators and lessors	651	498.2	508.9	508.9	517.0	-	-	-	-	-	
Real estate agents and managers	653	382.3	385.8	405.3	407.1	-	-	-	-	-	
Subdividers and developers	655	134.6	132.3	142.0	141.2	-	-	-	-	-	
Combined real estate, insurance, etc	66	15.7	15.6	16.2	18.2	-	-	-	-	-	
Services		19,901	19,943	20,846	20,872	20,877	17,655	17,683	18,470	18,479	18,472
Hotels and other lodging places	70	1,272.1	1,289.6	1,331.3	1,381.2	-	-	-	-	-	
Hotels, motels, and tourist courts	701	1,200.7	1,213.4	1,285.7	1,305.2	-	1,095.1	1,106.6	1,168.1	1,183.6	
Personal services	72	932.8	934.3	986.6	977.3	-	-	-	-	-	
Laundry, cleaning, and garment services	721	349.6	350.6	362.6	360.1	-	310.9	311.1	324.0	321.7	
Photographic studios, portrait	722	48.2	49.1	52.6	51.6	-	-	-	-	-	
Beauty shops	723	297.8	297.2	317.6	318.6	-	275.5	275.0	290.0	289.3	
Funeral service and crematories	726	72.9	72.7	73.3	73.1	-	-	-	-	-	
Business services	73	3,592.9	3,629.2	4,026.2	4,051.3	4,094.9	3,120.1	3,158.1	3,519.2	3,540.2	
Advertising	731	171.3	171.5	177.6	178.4	-	130.0	130.0	134.5	135.5	
Advertising agencies	7311	128.8	130.0	135.9	136.4	-	-	-	-	-	
Credit reporting and collection	732	76.3	76.0	80.0	80.0	-	-	-	-	-	
Mailing, reproduction, and stenographic	733	140.5	143.4	155.4	155.8	-	-	-	-	-	
Services to buildings	734	568.2	570.2	615.9	615.9	-	516.4	518.5	562.4	561.4	
Personnel supply services	736	654.3	667.9	834.2	842.0	-	-	-	-	-	
Employment agencies	7361	139.7	139.5	167.0	169.5	-	-	-	-	-	
Temporary help supply services	7362	482.6	497.5	631.1	636.2	-	-	-	-	-	
Computer and data processing services	737	422.6	422.5	470.7	479.6	-	355.7	355.6	393.6	402.3	
Computer programming and software	7372	139.2	140.4	155.5	157.6	-	-	-	-	-	
Data processing services	7374	220.4	220.2	245.3	251.8	-	-	-	-	-	
Miscellaneous business services	739	1,551.7	1,569.9	1,684.8	1,691.9	-	-	-	-	-	
Research development laboratories, nec	7391	174.4	172.2	180.8	183.3	-	-	-	-	-	
Management and public relations	7392	405.2	406.6	452.0	450.8	-	-	-	-	-	
Detective and protective services	7393	362.7	370.4	386.0	388.4	-	-	-	-	-	
Equipment rental and leasing	7394	140.0	134.3	145.4	146.3	-	-	-	-	-	
Photofinishing laboratories	7395	78.4	79.8	78.7	80.2	-	-	-	-	-	
Auto repair, services, and garages	75	624.0	626.8	682.7	680.7	-	526.9	527.2	579.1	574.2	
Automotive rentals, without drivers	751	126.7	127.3	139.2	136.3	-	-	-	-	-	
Automotive repair shops	753	387.7	389.2	416.6	418.7	-	323.5	322.7	348.5	347.6	
Miscellaneous repair services	76	284.3	287.9	304.0	305.3	-	235.7	239.4	254.6	255.1	
Electrical repair shops	762	87.0	87.0	86.3	86.7	-	-	-	-	-	
Motion pictures	78	227.6	230.6	226.1	231.8	-	197.2	199.4	195.9	200.9	
Motion picture production and services	781	93.1	98.9	97.5	99.6	-	77.1	82.4	81.1	83.0	
Motion picture theaters	783	123.9	121.1	118.2	121.9	-	-	-	-	-	
Amusement and recreation services	79	972.8	968.5	950.7	971.0	-	893.9	888.6	865.4	884.9	
Health services	80	6,012.3	6,014.4	6,088.0	6,108.8	6,069.2	5,412.2	5,411.9	5,452.3	5,472.0	
Offices of physicians	801	875.8	877.9	908.9	914.3	-	737.9	736.6	762.7	767.8	
Offices of dentists	802	412.4	413.4	432.6	433.8	-	364.2	365.7	383.0	384.1	
Nursing and personal care facilities	805	1,118.1	1,121.7	1,160.1	1,162.2	-	1,013.2	1,016.9	1,050.8	1,053.0	
Skilled nursing care facilities	8051	714.4	716.3	742.6	743.5	-	-	-	-	-	
Nursing and personal care, nec	8059	403.7	405.4	417.5	418.7	-	-	-	-	-	
Hospitals	806	3,052.4	3,046.2	2,993.2	3,001.8	-	2,798.5	2,794.3	2,736.1	2,743.8	
General medical and surgical hospitals	8062	2,687.3	2,880.8	2,824.3	2,832.4	-	-	-	-	-	
Psychiatric hospitals	8063	48.8	48.7	50.4	50.5	-	-	-	-	-	
Specialty hospitals, excluding psychiatric	8069	116.3	116.7	118.5	118.9	-	-	-	-	-	
Medical and dental laboratories	807	111.7	111.4	109.7	109.9	-	-	-	-	-	
Outpatient care facilities	808	176.7	178.4	190.3	192.3	-	-	-	-	-	

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P	July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P
Services—Continued											
Legal services	81	617.2	612.5	657.3	661.1	-	522.7	517.6	558.9	562.6	-
Educational services	82	1,016.8	1,010.1	1,114.6	1,017.2	-	-	-	-	-	-
Elementary and secondary schools	821	285.1	283.0	334.8	293.8	-	-	-	-	-	-
Colleges and universities	822	618.3	612.1	658.3	603.1	-	-	-	-	-	-
Correspondence and vocational schools	824	50.2	52.1	57.5	56.0	-	-	-	-	-	-
Social services	83	1,236.3	1,238.9	1,291.9	1,291.6	-	-	-	-	-	-
Individual and family services	832	262.4	263.6	296.2	304.5	-	-	-	-	-	-
Job training and related services	833	207.3	205.7	205.6	208.3	-	-	-	-	-	-
Residential care	836	251.3	251.5	264.3	264.5	-	-	-	-	-	-
Museums, botanical and zoological gardens	84	41.3	40.8	44.3	44.4	-	-	-	-	-	-
Membership organizations	86	1,528.3	1,515.4	1,519.9	1,519.1	-	-	-	-	-	-
Business associations	861	84.0	84.0	87.5	87.1	-	-	-	-	-	-
Labor organizations	863	132.8	133.5	139.2	132.1	-	-	-	-	-	-
Civic and social associations	864	347.0	340.7	335.1	356.6	-	-	-	-	-	-
Miscellaneous services	89	1,074.2	1,078.8	1,135.8	1,144.9	-	883.2	888.2	938.5	944.5	-
Engineering and architectural services	891	580.8	583.1	622.9	628.3	-	484.4	488.0	525.2	530.1	-
Noncommercial research organizations	892	113.0	112.3	111.6	113.3	-	-	-	-	-	-
Accounting, auditing, and bookkeeping	893	359.3	362.3	380.0	381.9	-	286.6	288.8	302.3	301.6	-
Government		15,111	14,964	16,030	15,218	15,079	-	-	-	-	-
Federal Government⁴		2,797	2,779	2,821	2,832	2,813	-	-	-	-	-
Executive, by agency ⁴		2,738.7	2,722.6	2,763.3	-	-	-	-	-	-	-
Department of Defense		963.7	959.8	978.2	-	-	-	-	-	-	-
Postal Service		661.6	660.3	680.2	-	-	-	-	-	-	-
Other executive agencies		1,113.4	1,102.5	1,104.9	-	-	-	-	-	-	-
Legislative		41.6	40.4	41.0	-	-	-	-	-	-	-
Judicial		16.2	16.4	16.9	-	-	-	-	-	-	-
Federal government, by industry:											
Manufacturing activities		137.7	136.9	136.7	137.2	-	-	-	-	-	-
Shipbuilding and repairing	3731	84.3	83.8	82.7	82.8	-	-	-	-	-	-
Transportation and public utilities, except Postal Service		41.3	40.9	38.4	38.7	-	-	-	-	-	-
Services		415.7	414.0	414.3	416.7	-	-	-	-	-	-
Hospitals	806	238.7	238.5	240.2	241.7	-	-	-	-	-	-
State government		3,475	3,470	3,603	3,522	3,527	-	-	-	-	-
Hospitals	806	470.6	468.6	469.2	467.7	-	-	-	-	-	-
Education	82	1,217.5	1,218.1	1,355.6	1,248.2	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		1,166.3	1,162.0	1,160.6	1,178.6	-	-	-	-	-	-
Local government		8,839	8,714	9,606	8,864	8,739	-	-	-	-	-
Transportation and public utilities		497.0	497.0	502.4	505.6	-	-	-	-	-	-
Hospitals	806	650.4	649.6	631.2	629.1	-	-	-	-	-	-
Education	82	4,244.1	4,167.1	5,168.8	4,285.0	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		3,088.8	3,050.2	2,980.6	3,100.3	-	-	-	-	-	-

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. Corrected May 1984 data for all employees for total nonfarm payroll; Government; Federal government; Executive, by agency; Department of Defense; Postal Service; Other executive agencies; Legislative; and Judicial are 94,164; 16,251; 2,788; 2,731.7; 965.5; 676.7; 1,089.5; 39.7; and 16.8 respectively.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	May 1983	June 1983	Apr. 1984	May 1984	June 1984
Total	39,774	39,886	41,495	^c 41,808	41,940
Total private	31,948	32,256	33,463	33,774	34,104
Goods-producing	6,392	6,493	6,835	6,886	6,968
Mining	117	117	117	119	121
Construction	380	389	408	416	428
Manufacturing	5,895	5,987	6,310	6,351	6,419
Durable goods	2,764	2,799	3,037	3,062	3,098
Lumber and wood products	96	99	106	107	109
Furniture and fixtures	132	133	145	144	145
Stone, clay, and glass products	110	112	116	117	119
Primary metal industries	97	98	105	106	107
Fabricated metal products	297	301	322	326	327
Machinery, except electrical	442	444	482	486	493
Electrical and electronic equipment	838	851	950	959	972
Transportation equipment	291	295	326	331	336
Instruments and related products	292	295	310	311	313
Miscellaneous manufacturing	169	172	177	176	178
Nondurable goods	3,131	3,188	3,273	3,289	3,321
Food and kindred products	476	495	476	482	497
Tobacco manufactures	21	22	21	21	21
Textile mill products	351	357	364	364	363
Apparel and other textile products	932	948	987	987	988
Paper and allied products	153	154	158	159	163
Printing and publishing	526	528	559	562	566
Chemicals and allied products	271	275	279	280	285
Petroleum and coal products	30	31	30	30	30
Rubber and misc. plastics products	250	255	278	281	283
Leather and leather products	123	125	122	123	124
Service-producing	33,382	33,393	34,667	^c 34,922	34,972
Transportation and public utilities	1,340	1,351	1,379	1,391	1,410
Wholesale trade	1,431	1,446	1,525	1,537	1,546
Retail trade	7,799	7,895	8,073	8,232	8,348
Finance, insurance, and real estate	3,258	3,289	3,380	3,400	3,440
Services	11,728	11,782	12,271	12,328	12,392
Government	7,826	7,630	8,032	^c 8,034	7,836
Federal	930	954	962	^c 971	983
State	1,584	1,507	1,701	1,683	1,605
Local	5,312	5,169	5,369	5,380	5,248

^c =corrected.

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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July ^p	Aug. ^p
Total¹	89,918	91,018	91,345	91,688	92,026	92,391	92,846	93,058	93,449	93,786	94,135	94,351	94,510
Total private	74,110	75,083	75,481	75,814	76,157	76,533	76,971	77,185	77,546	77,864	78,241	78,411	78,575
Goods-producing	23,532	23,669	23,895	24,058	24,198	24,383	24,577	24,595	24,760	24,851	24,974	25,068	25,112
Mining	950	952	965	967	969	975	978	978	984	995	1,002	1,007	1,015
Oil and gas extraction	590	594	600	603	607	608	607	607	612	619	623	629	629
Construction	3,985	4,019	4,044	4,073	4,086	4,154	4,226	4,151	4,246	4,286	4,343	4,350	4,357
General building contractors	1,037	1,043	1,053	1,064	1,077	1,100	1,111	1,099	1,110	1,126	1,135	1,130	1,133
Manufacturing	18,597	18,698	18,886	19,018	19,143	19,254	19,373	19,466	19,530	19,570	19,629	19,711	19,740
Durable goods	10,846	10,923	11,071	11,170	11,266	11,343	11,440	11,513	11,551	11,598	11,652	11,709	11,763
Lumber and wood products	675	680	690	695	698	702	706	712	714	711	712	708	705
Furniture and fixtures	453	456	462	467	470	475	480	483	482	482	485	487	489
Stone, clay, and glass products	578	581	587	589	592	595	604	606	604	605	605	605	604
Primary metal industries	840	849	863	869	877	871	877	877	879	887	884	882	880
Blast furnaces and basic steel products	344	346	351	351	352	347	348	347	345	347	345	341	336
Fabricated metal products	1,384	1,389	1,408	1,420	1,431	1,440	1,447	1,456	1,459	1,469	1,479	1,490	1,493
Machinery, except electrical	2,051	2,058	2,077	2,106	2,122	2,137	2,151	2,166	2,189	2,203	2,226	2,244	2,255
Electrical and electronic equipment	2,022	2,062	2,086	2,109	2,132	2,152	2,175	2,202	2,212	2,228	2,237	2,253	2,266
Transportation equipment	1,776	1,780	1,820	1,832	1,855	1,876	1,898	1,905	1,905	1,906	1,917	1,928	1,957
Motor vehicles and equipment	779	783	810	823	843	858	865	863	857	848	855	860	869
Instruments and related products	694	698	702	705	707	711	715	718	719	722	723	726	728
Miscellaneous manufacturing	373	370	376	378	382	384	387	388	388	385	384	386	386
Nondurable goods	7,751	7,775	7,815	7,848	7,877	7,911	7,933	7,953	7,979	7,972	7,977	8,002	7,977
Food and kindred products	1,621	1,624	1,624	1,629	1,631	1,638	1,637	1,638	1,648	1,643	1,644	1,654	1,641
Tobacco manufactures	66	68	68	66	67	66	65	66	67	67	67	66	62
Textile mill products	751	753	758	760	762	768	767	769	766	762	759	755	750
Apparel and other textile products	1,170	1,174	1,186	1,195	1,202	1,207	1,213	1,218	1,226	1,217	1,209	1,212	1,215
Paper and allied products	663	666	669	671	675	676	680	680	680	681	685	687	686
Printing and publishing	1,302	1,305	1,311	1,317	1,321	1,328	1,333	1,339	1,348	1,356	1,362	1,369	1,371
Chemicals and allied products	1,046	1,047	1,049	1,050	1,052	1,053	1,054	1,054	1,057	1,057	1,062	1,064	1,066
Petroleum and coal products	194	194	192	192	191	191	190	190	189	188	188	187	187
Rubber and misc. plastics products	730	735	748	758	766	774	784	790	790	795	797	803	800
Leather and leather products	208	209	210	210	210	210	210	209	208	206	204	205	199
Service-producing¹	66,386	67,349	67,450	67,630	67,828	68,008	68,269	68,463	68,689	68,935	69,161	69,283	69,398
Transportation and public utilities	4,369	5,046	5,053	5,043	5,055	5,095	5,105	5,112	5,129	5,144	5,163	5,173	5,182
Transportation	2,751	2,768	2,776	2,763	2,776	2,816	2,828	2,839	2,862	2,871	2,883	2,896	2,902
Communication and public utilities	1,618	2,278	2,277	2,280	2,279	2,279	2,276	2,273	2,267	2,273	2,280	2,277	2,280
Wholesale trade	5,277	5,301	5,322	5,344	5,371	5,406	5,438	5,457	5,473	5,492	5,502	5,527	5,559
Durable goods	3,072	3,096	3,113	3,128	3,147	3,168	3,193	3,205	3,215	3,235	3,249	3,269	3,291
Nondurable goods	2,205	2,205	2,209	2,216	2,224	2,238	2,245	2,252	2,258	2,257	2,253	2,258	2,268
Retail trade	15,626	15,671	15,737	15,805	15,857	15,914	15,980	16,030	16,095	16,166	16,245	16,278	16,298
General merchandise stores	2,169	2,171	2,179	2,195	2,189	2,210	2,211	2,230	2,251	2,273	2,295	2,291	2,280
Food stores	2,563	2,568	2,587	2,594	2,600	2,618	2,626	2,626	2,635	2,630	2,641	2,653	2,665
Automotive dealers and service stations	1,679	1,685	1,695	1,703	1,710	1,725	1,740	1,748	1,743	1,751	1,751	1,763	1,761
Eating and drinking places	5,043	5,058	5,071	5,082	5,095	5,111	5,121	5,136	5,154	5,183	5,199	5,210	5,230
Finance, insurance, and real estate	5,498	5,503	5,512	5,530	5,546	5,573	5,593	5,613	5,640	5,662	5,676	5,679	5,692
Finance	2,749	2,763	2,769	2,777	2,789	2,797	2,812	2,831	2,851	2,863	2,858	2,856	2,857
Insurance	1,724	1,725	1,725	1,728	1,730	1,737	1,741	1,742	1,742	1,746	1,752	1,760	1,766
Real estate	1,025	1,015	1,018	1,025	1,027	1,039	1,040	1,041	1,047	1,053	1,066	1,063	1,069
Services	19,808	19,893	19,962	20,034	20,130	20,162	20,278	20,378	20,449	20,549	20,681	20,686	20,732
Business services	3,599	3,636	3,672	3,703	3,758	3,798	3,845	3,875	3,912	3,979	4,014	4,031	4,058
Health services	5,988	6,003	6,007	6,016	6,026	6,030	6,040	6,052	6,062	6,073	6,064	6,078	6,045
Government¹	15,808	15,935	15,864	15,874	15,869	15,858	15,875	15,873	15,903	15,922	15,894	15,940	15,935
Federal ¹	2,747	2,774	2,760	2,759	2,762	2,760	2,763	2,770	2,771	2,785	2,777	2,779	2,780
State	3,668	3,672	3,667	3,669	3,668	3,670	3,682	3,686	3,693	3,699	3,699	3,711	3,728
Local	9,393	9,489	9,437	9,446	9,439	9,428	9,430	9,417	9,439	9,438	9,418	9,450	9,427

¹ May 1984 estimates have been corrected.

^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					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total¹	39,700	39,949	39,781	40,237	40,373	40,531	40,712	40,858	41,074	41,210	41,390	41,584	41,735
Total private	32,121	32,282	32,086	32,538	32,684	32,824	32,997	33,140	33,333	33,463	33,618	33,793	33,948
Goods-producing	6,452	6,496	6,518	6,566	6,626	6,677	6,723	6,773	6,820	6,854	6,886	6,904	6,919
Mining	116	116	116	116	117	116	116	117	117	117	117	119	120
Construction	384	388	390	396	397	400	402	404	407	409	413	418	423
Manufacturing	5,952	5,992	6,012	6,054	6,112	6,161	6,205	6,252	6,296	6,328	6,356	6,367	6,376
Durable goods	2,781	2,806	2,820	2,851	2,887	2,920	2,947	2,973	3,003	3,031	3,043	3,057	3,075
Lumber and wood products	97	97	98	100	101	102	103	105	105	106	107	106	107
Furniture and fixtures	134	137	136	136	137	139	140	142	143	144	144	144	146
Stone, clay, and glass products	111	111	112	113	114	114	115	116	117	118	117	117	117
Primary metal industries	97	97	98	99	101	102	103	103	103	104	105	105	105
Fabricated metal products	298	300	303	305	309	312	315	317	320	322	321	325	324
Machinery, except electrical	444	448	452	452	456	463	466	468	473	476	481	485	492
Electrical and electronic equipment	845	855	855	875	888	901	910	921	932	946	952	957	965
Transportation equipment	292	296	299	303	308	310	315	319	324	327	327	330	332
Instruments and related products	293	294	297	299	301	303	304	306	308	310	310	311	311
Miscellaneous manufacturing	170	171	170	169	172	174	176	176	178	178	179	177	176
Nondurable goods	3,171	3,186	3,192	3,203	3,225	3,241	3,258	3,279	3,293	3,297	3,313	3,310	3,301
Food and kindred products	502	501	496	497	496	501	502	505	506	504	508	506	505
Tobacco manufactures	24	23	23	23	23	22	23	23	23	23	24	24	23
Textile mill products	354	355	357	358	361	361	363	366	366	367	365	364	361
Apparel and other textile products	934	945	945	948	959	965	969	974	979	982	989	983	973
Paper and allied products	153	153	154	155	156	156	157	157	158	157	158	159	162
Printing and publishing	529	530	533	535	538	540	543	547	549	552	557	562	566
Chemicals and allied products	272	273	274	275	275	275	276	278	279	279	281	281	282
Petroleum and coal products	30	30	30	30	30	30	30	30	30	30	30	30	30
Rubber and misc. plastics products	251	254	257	259	263	267	271	275	278	280	278	279	278
Leather and leather products	122	122	123	123	124	124	124	124	125	123	123	122	121
Service-producing¹	33,248	33,453	33,263	33,671	33,747	33,854	33,989	34,085	34,254	34,356	34,504	34,680	34,816
Transportation and public utilities	1,342	1,340	1,031	1,357	1,355	1,356	1,362	1,373	1,378	1,380	1,385	1,388	1,400
Wholesale trade	1,445	1,452	1,461	1,468	1,474	1,485	1,496	1,508	1,519	1,532	1,534	1,542	1,544
Retail trade	7,874	7,914	7,939	7,951	7,987	8,024	8,048	8,084	8,121	8,154	8,204	8,265	8,323
Finance, insurance, and real estate	3,269	3,284	3,297	3,309	3,318	3,327	3,340	3,358	3,367	3,374	3,387	3,403	3,419
Services	11,739	11,796	11,840	11,887	11,924	11,955	12,028	12,044	12,128	12,169	12,222	12,291	12,343
Government¹	7,579	7,667	7,695	7,699	7,689	7,707	7,715	7,718	7,741	7,747	7,772	7,791	7,787
Federal ¹	934	944	947	960	960	960	962	962	964	967	964	968	962
State	1,568	1,576	1,584	1,586	1,595	1,603	1,609	1,620	1,629	1,636	1,650	1,660	1,670
Local	5,077	5,147	5,164	5,153	5,134	5,144	5,144	5,136	5,148	5,144	5,158	5,163	5,155

¹ May 1984 estimates have been corrected.

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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July ^p	Aug. ^p
Total private	59,830	60,748	61,074	61,371	61,665	61,948	62,327	62,443	62,800	63,060	63,363	63,475	63,605
Goods-producing	16,421	16,532	16,735	16,881	16,996	17,155	17,318	17,297	17,446	17,507	17,600	17,663	17,686
Mining	673	674	685	686	690	694	696	698	707	714	720	719	730
Construction	3,069	3,099	3,122	3,147	3,161	3,227	3,296	3,211	3,296	3,328	3,388	3,389	3,384
Manufacturing	12,679	12,759	12,928	13,048	13,145	13,234	13,326	13,388	13,443	13,465	13,492	13,555	13,572
Durable goods	7,224	7,289	7,421	7,511	7,585	7,643	7,718	7,769	7,799	7,826	7,860	7,910	7,959
Lumber and wood products	564	569	578	583	587	589	592	599	599	596	597	594	592
Furniture and fixtures	361	363	368	373	376	380	384	387	387	385	387	388	390
Stone, clay, and glass products	442	445	450	453	454	455	462	463	464	465	466	466	464
Primary metal industries	629	636	651	657	665	661	666	666	668	676	674	671	671
Fabricated metal products	1,006	1,011	1,028	1,037	1,049	1,056	1,062	1,069	1,074	1,083	1,091	1,101	1,105
Machinery, except electrical	1,214	1,219	1,236	1,261	1,273	1,286	1,300	1,314	1,329	1,342	1,356	1,371	1,382
Electrical and electronic equipment	1,228	1,260	1,281	1,300	1,313	1,327	1,346	1,364	1,371	1,377	1,379	1,396	1,408
Transportation equipment	1,122	1,126	1,160	1,173	1,192	1,208	1,221	1,221	1,221	1,217	1,224	1,235	1,259
Instruments and related products	389	393	397	399	398	401	403	404	403	404	405	406	406
Miscellaneous manufacturing	269	267	272	275	278	280	282	282	283	281	281	282	282
Nondurable goods	5,455	5,470	5,507	5,537	5,560	5,591	5,608	5,619	5,644	5,639	5,632	5,645	5,613
Food and kindred products	1,117	1,118	1,119	1,124	1,126	1,134	1,133	1,133	1,143	1,142	1,142	1,151	1,138
Tobacco manufactures	50	52	51	50	50	49	49	50	50	50	50	46	41
Textile mill products	650	651	656	658	660	666	665	666	665	661	658	652	649
Apparel and other textile products	990	993	1,004	1,012	1,018	1,023	1,028	1,031	1,039	1,033	1,021	1,024	1,025
Paper and allied products	495	498	501	503	506	508	511	512	512	512	515	516	515
Printing and publishing	714	715	720	725	727	732	734	737	744	748	752	757	755
Chemicals and allied products	580	581	583	584	586	587	588	588	589	588	590	589	592
Petroleum and coal products	117	116	115	114	113	112	112	111	111	111	110	110	109
Rubber and misc. plastics products	568	571	582	591	598	604	612	616	616	621	623	626	624
Leather and leather products	174	175	176	176	176	176	176	175	175	173	171	172	165
Service-producing	43,409	44,216	44,339	44,490	44,669	44,793	45,009	45,146	45,354	45,553	45,763	45,812	45,919
Transportation and public utilities	3,481	4,154	4,158	4,151	4,161	4,189	4,198	4,207	4,228	4,236	4,253	4,263	4,279
Wholesale trade	4,242	4,258	4,274	4,292	4,316	4,349	4,375	4,395	4,406	4,425	4,430	4,456	4,480
Retail trade	14,028	14,063	14,112	14,174	14,221	14,264	14,317	14,341	14,434	14,493	14,558	14,577	14,569
Finance, insurance, and real estate	4,098	4,097	4,107	4,122	4,135	4,149	4,161	4,165	4,175	4,195	4,217	4,220	4,247
Services	17,560	17,644	17,688	17,751	17,836	17,842	17,958	18,038	18,111	18,204	18,305	18,296	18,344

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	31.1	41.1	33.5	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	^p 60.8	^p 57.3				
Over 3-month span	1982.....	25.1	27.8	27.8	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.....	82.2	80.5	76.5	71.1	68.4	^p 69.5	^p 65.1					
Over 6-month span	1982.....	19.2	22.2	21.9	24.6	20.3	21.4	21.4	18.6	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	^p 75.4	^p 70.5							
Over 12-month span	1982.....	21.6	21.4	17.6	18.1	16.2	18.1	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.....	^p 86.2	^p 82.7										

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		
	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P
Alabama	1,332.0	1,359.5	1,351.4	13.7	14.2	14.2	62.0	66.1	67.2
Birmingham	337.1	344.2	344.2	7.6	7.4	7.4	20.0	20.9	21.0
Huntsville	133.9	139.0	138.6	(¹)	(¹)	(¹)	4.6	5.2	5.7
Mobile	147.3	149.5	150.3	(¹)	(¹)	(¹)	9.6	10.5	10.6
Montgomery	107.7	110.1	109.6	(¹)	(¹)	(¹)	6.2	6.7	6.8
Tuscaloosa	48.8	50.6	50.2	1.9	2.5	2.5	2.2	2.2	2.1
Alaska	233.2	225.7	234.3	8.7	8.1	8.1	24.9	21.7	23.6
Arizona	1,044.0	1,124.7	1,109.3	13.5	13.9	13.9	80.0	91.5	91.1
Phoenix	676.6	734.6	727.1	.6	.7	.7	55.3	63.6	63.1
Tucson	190.6	207.8	202.4	3.4	3.8	3.8	15.9	18.8	18.9
Arkansas	736.9	768.2	766.2	5.4	5.6	5.7	31.7	32.7	34.3
Fayetteville-Springdale	67.1	69.6	69.6	(¹)	(¹)	(¹)	2.6	2.6	2.8
Fort Smith	69.9	70.0	69.9	1.1	1.3	1.3	2.8	2.9	2.9
Little Rock-North Little Rock	182.5	186.4	184.8	(¹)	(¹)	(¹)	9.4	9.1	9.4
Pine Bluff	28.6	29.6	28.7	(¹)	(¹)	(¹)	1.2	1.2	1.2
California	9,896.0	10,387.7	10,328.5	48.2	48.1	48.4	365.2	411.5	416.9
Anaheim-Santa Ana-Garden Grove	857.0	908.3	898.9	3.7	3.6	3.7	31.7	39.9	40.2
Bakersfield	139.3	143.4	140.8	14.4	14.8	15.0	7.2	6.5	6.4
Fresno	174.6	182.4	179.5	1.1	1.3	1.3	9.4	10.2	10.3
Los Angeles-Long Beach	3,527.2	3,672.1	3,662.8	12.7	12.4	12.3	85.8	102.6	104.6
Modesto	84.7	85.8	88.8	.1	.1	.1	4.7	5.2	5.4
Oxnard-Simi Valley-Ventura	162.7	166.7	163.8	3.5	3.3	3.3	5.6	6.4	6.4
Riverside-San Bernardino-Ontario	430.2	451.6	445.1	1.2	1.2	1.2	21.8	24.6	25.1
Sacramento	411.6	428.0	423.0	.8	.8	.8	18.3	20.1	20.3
Salinas-Seaside-Monterey	92.4	94.6	94.6	.4	.4	.4	3.2	3.3	3.3
San Diego	670.5	711.3	696.4	.5	.5	.5	32.0	38.0	38.5
San Francisco-Oakland	1,549.1	1,593.8	1,575.3	4.7	4.3	4.7	62.3	63.8	63.8
San Jose	712.4	741.8	738.8	.1	.1	.1	24.7	27.4	27.4
Santa Barbara-Santa Maria-Lompoc	123.7	127.5	125.6	1.5	1.4	1.3	4.3	5.0	5.2
Santa Rosa	94.1	100.7	97.9	.7	.6	.6	4.8	4.9	5.2
Stockton	117.7	121.3	121.9	.1	.1	.1	6.2	6.4	6.4
Vallejo-Fairfield-Napa	101.1	105.8	105.1	.4	.5	.5	4.8	5.3	5.8
Colorado	1,322.3	1,369.2	1,356.9	37.4	37.6	37.4	86.1	88.4	89.3
Denver-Boulder	855.8	886.4	875.8	26.3	25.3	25.2	52.3	52.7	52.2
Connecticut	1,442.6	1,499.0	1,485.7	1.6	1.6	1.6	57.7	58.2	60.3
Bridgeport	165.9	169.7	167.9	(¹)	(¹)	(¹)	5.4	5.2	5.4
Hartford	401.5	413.5	410.1	.2	.2	.2	13.2	13.1	13.4
New Britain	58.2	59.8	58.9	(¹)	(¹)	(¹)	2.6	2.7	2.8
New Haven-West Haven	188.2	199.4	201.1	.3	.3	.3	6.6	6.7	6.9
Stamford	113.6	115.9	115.4	.7	.7	.7	4.9	4.9	5.0
Waterbury	84.2	88.9	86.5	(¹)	(¹)	(¹)	3.2	3.1	3.3
Delaware	271.3	273.5	273.2	.1	.1	.1	16.9	17.7	17.9
Wilmington	236.4	237.3	236.0	.2	.2	.2	20.0	19.4	19.7
District of Columbia	613.1	602.2	617.0	.1	.1	.1	10.4	10.7	10.7
Washington SMSA	1,662.0	1,710.7	1,717.0	1.1	1.1	1.1	80.2	86.9	88.3
Florida	3,847.0	4,119.3	4,078.6	9.9	9.9	10.0	269.7	307.1	309.0
Daytona Beach	85.7	90.9	89.7	(¹)	(¹)	(¹)	5.0	6.0	6.1
Fort Lauderdale-Hollywood	363.4	380.8	375.5	(¹)	(¹)	(¹)	26.2	29.2	29.6
Fort Myers-Cape Coral	74.8	81.3	80.8	(¹)	(¹)	(¹)	8.7	9.1	9.4
Gainesville	70.5	71.2	71.8	(¹)	(¹)	(¹)	4.6	4.7	4.6
Jacksonville	309.6	323.8	319.7	(¹)	(¹)	(¹)	19.8	20.9	20.9
Lakeland-Winter Haven	112.9	114.6	113.2	4.5	4.6	4.6	6.6	6.6	7.0
Melbourne-Titusville-Cocoa	117.7	125.4	125.3	(¹)	(¹)	(¹)	7.2	8.1	8.1
Miami	727.6	749.2	741.9	(¹)	(¹)	(¹)	37.6	40.6	41.1
Orlando	336.0	380.9	355.1	(¹)	(¹)	(¹)	22.8	24.8	24.6
Pensacola	104.2	110.6	109.8	(¹)	(¹)	(¹)	7.5	8.2	8.2
Sarasota	80.5	83.5	82.6	(¹)	(¹)	(¹)	7.5	7.9	8.0
Tallahassee	73.4	79.2	79.1	(¹)	(¹)	(¹)	3.5	4.6	4.5
Tampa-St. Petersburg	605.7	628.8	616.7	(¹)	(¹)	(¹)	42.3	46.6	46.2
West Palm Beach-Boca Raton	228.9	247.1	242.3	(¹)	(¹)	(¹)	20.2	21.1	21.1

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	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p
Alabama	337.4	353.7	346.9	70.7	72.7	72.3	272.7	280.9	280.9
Birmingham	46.9	50.5	50.2	29.0	29.8	29.9	80.3	81.6	81.5
Huntsville	42.4	46.4	45.5	2.8	2.7	2.7	23.4	24.2	25.2
Mobile	25.5	25.9	25.7	9.7	9.6	9.4	36.9	38.7	38.9
Montgomery	15.7	16.1	16.0	4.4	4.4	4.4	24.1	25.4	25.4
Tuscaloosa	7.9	8.2	8.3	1.7	1.6	1.6	10.2	10.4	10.4
Alaska	21.9	14.5	20.4	20.2	20.0	20.5	44.2	45.0	45.8
Arizona	157.3	168.8	169.6	56.7	59.0	59.4	253.4	269.6	268.6
Phoenix	113.9	121.8	122.5	36.3	38.2	38.4	170.7	183.8	183.3
Tucson	26.6	28.9	29.1	8.7	9.2	9.2	42.7	43.9	43.5
Arkansas	202.9	211.5	210.9	43.7	45.8	45.8	165.1	173.1	173.9
Fayetteville-Springdale	19.8	20.4	20.5	4.5	5.1	5.1	16.2	16.8	16.9
Fort Smith	23.0	22.8	22.9	3.6	3.7	3.6	15.2	15.1	15.2
Little Rock-North Little Rock	26.3	26.3	26.4	13.5	13.7	13.6	44.2	44.9	44.8
Pine Bluff	5.7	5.6	5.6	3.1	3.3	3.3	5.9	6.0	6.0
California	1,942.3	2,013.1	2,031.6	544.6	522.5	530.2	2,329.5	2,478.7	2,488.2
Anaheim-Santa Ana-Garden Grove	211.2	221.0	221.2	29.8	29.3	29.4	219.0	228.1	229.7
Bakersfield	9.7	9.3	9.3	8.0	7.9	7.9	35.8	36.5	36.6
Fresno	21.7	21.4	22.8	10.2	9.6	9.7	45.9	47.2	47.5
Los Angeles-Long Beach	852.8	880.2	879.5	198.2	190.8	194.8	810.2	848.9	854.1
Modesto	18.7	19.2	22.8	3.9	3.5	3.6	21.3	21.4	21.7
Oxnard-Simi Valley-Ventura	25.1	24.9	24.8	6.8	7.1	7.1	41.0	41.8	41.7
Riverside-San Bernardino-Ontario	58.4	57.3	57.8	25.6	25.4	25.5	111.1	117.2	117.0
Sacramento	28.6	30.1	31.7	21.5	20.7	20.8	98.1	101.3	101.6
Salinas-Seaside-Monterey	9.4	9.4	9.3	4.5	4.5	4.5	24.9	24.8	25.1
San Diego	106.7	112.0	107.2	30.1	29.1	29.1	159.9	168.5	169.7
San Francisco-Oakland	183.0	182.9	183.8	127.2	127.5	128.6	364.5	376.4	373.3
San Jose	263.7	271.1	275.8	21.5	20.2	20.3	132.1	140.0	140.4
Santa Barbara-Santa Maria-Lompoc	21.0	21.7	21.5	5.3	5.3	5.3	29.6	30.1	30.2
Santa Rosa	15.3	17.0	17.3	5.0	4.7	4.7	23.9	24.6	24.5
Stockton	20.7	20.5	22.6	8.2	7.9	8.0	28.1	27.9	28.4
Vallejo-Fairfield-Napa	10.9	10.3	11.0	4.1	4.2	4.2	22.9	24.0	24.4
Colorado	181.7	188.5	188.7	85.9	85.9	86.2	326.8	335.3	335.9
Denver-Boulder	124.3	129.7	129.4	63.2	63.2	63.5	207.2	212.7	212.7
Connecticut	391.1	417.7	410.4	60.9	64.7	62.5	314.0	320.3	321.4
Bridgeport	57.3	59.7	59.2	6.6	6.7	6.7	37.0	36.6	36.8
Hartford	85.2	88.8	88.4	14.1	14.7	14.0	85.2	85.8	85.7
New Britain	23.5	24.1	23.7	2.9	3.1	3.0	10.7	11.0	10.9
New Haven-West Haven	37.4	39.3	39.7	15.4	15.9	16.2	43.1	46.6	47.4
Stamford	30.9	31.3	31.4	4.5	4.3	4.3	24.7	25.5	25.5
Waterbury	26.9	30.0	28.0	3.1	3.4	3.3	16.6	17.2	17.1
Delaware	68.3	65.7	65.9	11.5	11.6	10.9	60.8	61.8	62.0
Wilmington	60.5	56.7	56.7	11.2	11.3	10.7	48.1	49.2	48.6
District of Columbia	14.1	14.5	14.5	26.0	25.4	25.5	60.0	59.4	59.4
Washington SMSA	64.5	70.1	70.4	76.5	79.8	80.0	314.4	326.5	326.3
Florida	457.0	498.5	496.4	231.6	230.7	231.0	1,031.9	1,105.0	1,107.4
Daytona Beach	9.6	10.4	10.5	3.2	3.3	3.2	24.4	25.4	25.4
Fort Lauderdale-Hollywood	41.6	44.3	43.9	18.4	18.6	18.6	104.9	109.8	109.2
Fort Myers-Cape Coral	4.2	4.4	4.4	4.5	4.5	4.5	22.3	23.5	23.7
Gainesville	4.5	4.8	4.9	1.6	1.6	1.6	14.6	14.6	14.8
Jacksonville	32.4	33.3	33.2	25.4	25.9	25.6	82.1	85.4	85.8
Lakeland-Winter Haven	18.9	19.7	19.2	5.4	5.4	5.3	28.6	29.2	29.0
Melbourne-Titusville-Cocoa	25.6	28.3	28.4	5.1	5.0	5.0	26.2	28.8	29.2
Miami	89.5	94.7	94.0	68.9	68.8	68.4	188.9	189.4	189.3
Orlando	40.2	43.1	42.6	16.6	16.7	16.7	92.6	98.9	99.0
Pensacola	12.6	13.0	13.0	6.1	6.2	6.4	26.1	27.8	27.9
Sarasota	6.2	6.7	6.6	3.3	3.3	3.3	23.7	25.0	24.2
Tallahassee	3.1	3.2	3.1	2.7	2.6	2.6	17.1	18.4	18.3
Tampa-St. Petersburg	79.3	80.9	80.9	34.6	33.7	33.6	161.5	166.6	165.1
West Palm Beach-Boca Raton	29.3	33.8	33.6	9.9	10.1	10.0	60.8	64.2	63.5

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		
	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p
Alabama	60.3	61.7	62.2	219.8	219.3	218.3	295.4	290.9	289.4
Birmingham	23.8	24.5	24.7	73.9	74.8	74.5	55.6	54.7	55.0
Huntsville	3.7	3.7	3.7	20.4	20.3	20.3	36.6	36.5	35.5
Mobile	7.2	7.1	7.2	31.9	31.5	31.5	26.5	26.2	27.0
Montgomery	6.3	6.5	6.5	21.4	21.4	21.4	29.6	29.6	29.1
Tuscaloosa	1.6	1.6	1.7	6.6	6.7	6.7	16.7	17.4	16.9
Alaska	11.1	11.3	11.5	41.2	41.6	42.8	61.0	63.5	61.6
Arizona	66.3	69.2	69.3	238.1	258.7	256.1	178.7	194.0	181.3
Phoenix	51.8	54.2	54.3	158.5	175.6	172.8	89.5	96.7	92.0
Tucson	9.3	9.7	9.7	45.4	48.7	48.8	38.6	44.8	39.4
Arkansas	34.7	35.6	35.9	129.4	134.1	134.8	124.0	129.8	124.9
Fayetteville-Springdale	2.6	2.5	2.6	9.9	10.1	10.0	11.5	12.1	11.7
Fort Smith	2.7	2.7	2.7	12.8	12.6	12.7	8.7	8.9	8.6
Little Rock-North Little Rock	14.0	13.8	13.8	40.4	41.4	41.7	34.7	37.2	35.1
Pine Bluff	1.4	1.5	1.5	5.7	5.6	5.5	5.6	6.4	5.6
California	661.3	676.2	679.5	2,361.1	2,460.4	2,467.2	1,643.8	1,777.2	1,666.5
Anaheim-Santa Ana-Garden Grove	63.6	65.9	66.0	204.3	213.3	214.0	93.7	107.2	94.7
Bakersfield	5.7	5.7	5.7	27.1	28.1	28.1	31.4	34.6	31.8
Fresno	12.0	12.3	12.3	38.1	39.8	39.3	36.2	40.6	36.3
Los Angeles-Long Beach	237.8	243.1	244.1	880.4	923.8	924.3	449.3	470.3	449.1
Modesto	3.7	3.7	3.7	17.7	17.5	17.4	14.6	15.2	14.1
Oxnard-Simi Valley-Ventura	10.7	10.5	10.5	34.0	34.6	34.5	36.0	38.1	35.5
Riverside-San Bernardino-Ontario	19.5	19.7	19.7	97.0	101.0	99.9	95.6	105.2	98.9
Sacramento	23.7	23.9	23.9	82.3	84.5	84.1	138.3	146.6	139.8
Salinas-Seaside-Monterey	4.5	4.5	4.5	21.2	22.0	22.2	24.3	25.7	25.3
San Diego	45.7	47.0	47.3	164.3	172.9	173.1	131.3	143.3	131.0
San Francisco-Oakland	153.5	153.4	153.9	383.7	396.3	396.4	270.2	289.2	270.8
San Jose	29.3	29.4	29.3	170.2	176.9	175.1	70.8	76.7	70.4
Santa Barbara-Santa Maria-Lompoc	6.4	6.3	6.4	32.1	32.4	32.2	23.5	25.3	23.5
Santa Rosa	6.3	6.4	6.4	21.1	22.4	22.3	17.0	20.1	16.9
Stockton	6.1	6.2	6.2	23.9	24.1	23.9	24.4	28.2	26.3
Vallejo-Fairfield-Napa	3.7	3.7	3.7	20.6	22.1	21.6	33.7	35.7	33.9
Colorado	87.0	88.6	89.2	289.5	299.8	299.8	227.9	245.1	230.3
Denver-Boulder	62.5	64.0	64.2	192.6	200.6	200.2	127.4	138.2	128.3
Connecticut	119.9	122.6	123.2	321.1	327.8	329.2	176.3	186.1	177.1
Bridgeport	8.3	8.2	8.3	36.7	36.7	36.8	14.6	16.6	14.7
Hartford	69.0	70.9	72.4	85.2	86.3	86.5	49.4	53.7	49.5
New Britain	2.0	2.0	2.0	11.0	11.1	11.1	5.5	5.8	5.4
New Haven-West Haven	10.9	12.5	12.6	52.4	54.6	55.5	22.1	23.5	22.5
Stamford	9.0	9.0	9.1	29.2	29.8	30.1	9.7	10.4	9.3
Waterbury	4.0	4.1	4.0	19.3	19.5	19.5	11.1	11.6	11.3
Delaware	15.9	16.6	16.9	54.0	56.9	56.2	43.7	43.0	43.3
Wilmington	14.6	15.4	15.5	47.9	51.0	50.0	34.0	34.2	34.4
District of Columbia	34.3	34.4	35.0	190.9	193.3	191.8	277.3	264.4	280.0
Washington SMSA	95.7	97.2	98.4	489.4	507.7	506.3	540.2	541.4	546.2
Florida	288.4	309.0	309.1	961.7	1,014.7	1,005.7	596.8	644.4	610.0
Daytona Beach	5.3	5.6	5.7	23.9	23.8	23.9	14.3	16.4	14.9
Fort Lauderdale-Hollywood	33.3	34.8	34.4	92.7	92.5	91.4	46.3	51.6	48.4
Fort Myers-Cape Coral	6.8	6.8	6.9	18.7	19.7	19.6	9.6	13.3	12.3
Gainesville	3.2	3.0	3.0	14.9	14.6	14.5	27.1	27.9	28.2
Jacksonville	28.5	29.6	29.7	73.0	75.9	75.6	48.4	52.8	48.9
Lakeland-Winter Haven	7.4	7.3	7.3	25.7	26.4	26.1	15.8	15.2	14.7
Melbourne-Titusville-Cocoa	4.4	4.6	4.5	29.7	30.7	30.7	19.5	19.9	19.4
Miami	61.1	61.9	62.1	189.7	195.7	194.8	91.9	98.1	92.2
Orlando	22.3	23.4	23.7	101.1	106.3	106.0	40.4	47.7	42.5
Pensacola	4.3	4.4	4.4	24.0	24.4	24.7	23.6	26.6	25.2
Sarasota	7.2	7.5	7.4	22.0	22.4	22.4	10.6	10.7	10.7
Tallahassee	3.9	3.6	3.7	15.5	15.4	15.4	27.6	31.4	31.5
Tampa-St. Petersburg	46.1	48.4	48.4	159.1	165.6	163.1	82.8	85.0	79.4
West Palm Beach-Boca Raton	20.0	20.8	20.9	59.3	64.3	63.2	29.4	32.8	30.0

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	Total			Mining			Construction		
	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P
Georgia	2,273.2	2,411.9	2,407.5	7.4	8.0	7.9	116.6	136.1	139.3
Albany	43.9	45.1	45.2	(¹)	(¹)	(¹)	1.9	1.8	1.8
Athens	53.3	56.0	54.5	(¹)	(¹)	(¹)	1.8	2.0	2.1
Atlanta	1,061.1	1,129.2	1,132.2	(¹)	(¹)	(¹)	53.3	60.0	61.0
Augusta	124.4	126.8	127.0	(¹)	(¹)	(¹)	7.1	7.1	7.0
Columbus	82.5	84.7	85.6	(¹)	(¹)	(¹)	4.3	4.9	5.1
Macon	101.0	103.5	103.1	(¹)	(¹)	(¹)	4.5	4.6	4.7
Savannah	89.1	92.5	91.5	(¹)	(¹)	(¹)	4.9	5.5	5.7
Hawaii	406.1	406.8	408.2	(²)	(²)	(²)	17.9	16.8	16.9
Honolulu	330.5	332.0	332.7	(²)	(²)	(²)	14.8	14.0	14.1
Idaho	317.5	329.8	325.0	4.4	4.4	4.4	14.7	13.2	14.0
Boise City	77.8	78.7	78.4	(³)	(³)	(³)	4.9	4.5	4.7
Illinois	4,532.7	4,588.6	4,588.8	24.7	25.5	25.7	156.8	152.4	159.7
Bloomington-Normal	48.1	49.1	48.1	(⁴)	(⁴)	(⁴)	1.3	1.2	1.2
Champaign-Urbana-Rantoul	70.7	71.0	71.3	(⁴)	(⁴)	(⁴)	1.9	1.8	1.8
Chicago-Gary	3,262.6	3,282.0	3,282.4	3.2	3.8	3.9	121.6	119.1	123.4
Chicago SMSA	3,042.6	3,069.0	3,071.2	3.1	3.7	3.8	110.8	109.0	112.9
Davenport-Rock Island-Moline	146.0	149.3	149.2	(⁵)	(⁵)	(⁵)	6.1	5.9	6.2
Decatur	50.7	52.4	53.2	(⁵)	(⁵)	(⁵)	2.1	2.1	3.2
Kankakee	31.8	31.2	31.4	(⁵)	(⁵)	(⁵)	1.3	1.1	1.2
Peoria	129.6	131.8	132.9	(⁵)	(⁵)	(⁵)	7.4	7.0	7.5
Rockford	109.3	115.5	114.6	(⁵)	(⁵)	(⁵)	3.0	3.4	3.5
Springfield	88.8	88.3	88.6	(⁵)	(⁵)	(⁵)	3.4	2.9	3.2
Indiana	2,011.7	2,060.8	2,065.7	10.0	10.0	10.1	74.7	73.7	77.4
Anderson	45.3	46.2	46.1	(⁶)	(⁶)	(⁶)	1.1	1.1	1.2
Elkhart	80.3	88.7	88.3	(⁶)	(⁶)	(⁶)	2.1	2.2	2.3
Evansville	121.5	124.4	125.0	2.7	2.7	2.7	6.2	6.1	6.4
Fort Wayne	160.4	162.6	163.1	(⁶)	(⁶)	(⁶)	5.7	5.9	6.2
Gary-Hammond-East Chicago	220.0	213.0	211.2	(⁶)	(⁶)	(⁶)	10.8	10.1	10.5
Indianapolis	509.3	527.9	529.8	(⁶)	(⁶)	(⁶)	21.5	21.9	22.8
Lafayette-West Lafayette	52.8	54.3	54.4	(⁶)	(⁶)	(⁶)	1.5	1.5	1.6
Muncie	43.3	43.9	43.6	(⁶)	(⁶)	(⁶)	1.4	1.4	1.5
South Bend	105.5	113.1	112.2	(⁶)	(⁶)	(⁶)	4.2	4.7	4.9
Terre Haute	57.6	59.6	59.5	1.2	1.2	1.3	2.7	2.7	2.6
Iowa	1,010.1	1,036.2	1,023.4	2.0	2.2	2.3	41.2	43.8	46.3
Cedar Rapids	73.8	75.2	74.2	.1	.1	.1	2.8	2.6	2.7
Des Moines	170.9	174.5	173.4	(⁷)	(⁷)	(⁷)	6.5	6.6	7.1
Dubuque	37.5	39.0	38.7	(⁷)	(⁷)	(⁷)	1.2	1.1	1.1
Sioux City	45.8	47.1	46.3	(⁷)	(⁷)	(⁷)	2.0	1.8	1.9
Waterloo-Cedar Falls	56.4	55.1	54.8	(⁷)	(⁷)	(⁷)	2.1	2.3	2.4
Kansas	911.6	943.9	930.5	17.5	17.7	17.9	41.8	43.2	43.8
Lawrence	25.0	25.4	25.0	(⁸)	(⁸)	(⁸)	.9	.9	.9
Topeka	82.2	85.7	84.7	.1	.3	.3	2.8	2.8	2.9
Wichita	191.4	202.2	200.6	3.3	3.1	3.1	8.6	9.6	9.7
Kentucky	1,137.6	1,199.8	1,179.1	41.4	43.2	42.9	49.0	57.6	58.8
Lexington-Fayette	145.8	147.3	146.3	(⁹)	(⁹)	(⁹)	6.8	8.2	8.8
Louisville	368.9	377.2	380.0	(⁹)	(⁹)	(⁹)	15.7	20.9	21.0
Owensboro	30.4	31.5	31.7	1.1	1.1	1.1	1.7	2.1	2.2
Louisiana	1,565.9	1,581.0	1,573.4	79.2	78.6	78.1	116.8	114.2	114.3
Alexandria	53.6	53.9	53.9	(¹⁰)	(¹⁰)	(¹⁰)	3.6	3.4	3.5
Baton Rouge	203.5	208.7	210.7	.9	1.0	.9	20.6	20.5	21.2
Lafayette	87.4	88.5	89.2	15.5	16.7	16.3	5.4	5.0	5.3
Lake Charles	61.9	58.6	58.8	2.3	2.2	2.1	6.7	4.5	4.7
Monroe	51.4	51.6	51.6	.5	.5	.5	3.2	2.7	2.6
New Orleans	505.9	508.6	506.8	18.5	18.4	18.5	31.1	28.5	28.6
Shreveport	146.7	152.6	149.9	5.9	6.8	6.6	9.3	9.9	9.6
Maine	430.3	440.8	445.0	.2	.2	.2	18.7	18.3	19.3
Lewiston-Auburn	32.2	34.5	33.0	(¹¹)	(¹¹)	(¹¹)	1.5	1.4	1.5
Portland	96.4	103.4	102.7	(¹¹)	(¹¹)	(¹¹)	4.3	4.7	4.7
Maryland	1,712.0	1,769.2	1,757.9	(¹²)	(¹²)	(¹²)	101.0	109.3	110.8
Baltimore SMSA	948.8	967.7	964.1	1.7	1.3	1.3	47.2	52.2	52.5
Baltimore City	438.4	439.1	443.3	.1	.1	.1	15.6	18.0	18.7

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		
	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P
Georgia	508.1	535.0	531.3	150.0	153.6	154.4	549.0	590.6	598.0
Albany	10.3	10.8	11.1	2.4	2.4	2.3	10.4	11.2	11.1
Athens	14.1	14.8	14.7	1.5	1.6	1.6	10.5	10.6	10.6
Atlanta	145.4	155.3	153.8	93.4	95.7	96.8	298.9	320.6	322.9
Augusta	32.9	33.0	33.4	4.2	4.3	4.2	24.0	24.8	24.9
Columbus	20.3	21.3	21.5	3.1	3.1	3.1	16.8	17.9	18.4
Macon	16.4	17.0	16.6	4.4	4.3	4.3	21.3	22.1	21.9
Savannah	15.3	16.9	16.6	10.5	10.0	9.6	21.4	21.7	22.0
Hawaii	23.9	22.8	23.4	30.7	31.0	31.0	106.4	108.3	109.1
Honolulu	17.9	16.8	17.1	25.5	25.8	25.9	85.9	88.2	88.9
Idaho	51.4	54.9	55.0	18.9	19.0	19.1	79.5	82.7	81.8
Boise City	9.0	9.5	9.4	5.3	5.0	5.0	19.8	19.3	19.2
Illinois	956.4	998.5	987.6	264.5	270.7	269.8	1,086.7	1,111.6	1,107.8
Bloomington-Normal	5.2	5.4	5.3	3.2	3.1	3.1	11.9	13.0	13.0
Champaign-Urbana-Rantoul	7.1	6.9	6.9	2.5	2.5	2.5	17.9	18.0	18.0
Chicago-Gary	707.2	721.3	712.2	190.7	194.7	194.8	782.0	793.1	790.5
Chicago SMSA	636.5	654.5	647.5	178.1	181.7	181.7	735.5	746.0	743.2
Davenport-Rock Island-Moline	35.2	36.7	36.8	7.0	7.0	6.9	38.6	38.9	39.0
Decatur	17.3	18.3	18.3	4.0	3.9	3.9	10.8	11.4	11.3
Kankakee	5.8	5.9	6.1	1.2	1.1	1.1	7.1	7.2	7.1
Peoria	34.8	36.1	36.3	6.7	6.8	6.7	30.8	31.1	31.1
Rockford	41.6	45.2	44.6	4.3	4.4	4.3	24.3	24.8	24.8
Springfield	5.6	5.8	5.8	4.3	4.2	4.3	19.3	19.1	19.2
Indiana	579.0	613.8	608.7	102.2	103.8	103.8	464.5	472.9	476.7
Anderson	17.7	18.6	18.7	1.2	1.2	1.2	9.7	9.9	9.8
Elkhart	44.0	49.8	49.6	2.6	2.6	2.6	14.8	16.2	16.3
Evansville	30.9	33.7	33.3	7.0	7.1	7.1	30.7	31.1	31.4
Fort Wayne	46.7	47.9	48.1	10.0	10.5	10.6	39.4	40.1	39.9
Gary-Hammond-East Chicago	70.7	66.8	64.7	12.6	13.0	13.1	46.5	47.1	47.3
Indianapolis	105.5	110.0	110.0	30.4	31.3	31.8	129.2	134.1	135.4
Lafayette-West Lafayette	10.5	11.3	11.3	1.8	1.8	1.8	11.2	11.5	11.4
Muncie	10.5	11.5	11.4	1.8	1.8	1.9	11.0	10.9	10.9
South Bend	26.9	30.5	29.5	4.7	4.8	4.9	27.2	28.8	29.0
Terre Haute	12.5	13.0	12.8	3.4	3.4	3.4	14.9	15.9	16.3
Iowa	199.3	209.0	208.1	50.2	50.2	50.0	261.3	261.5	261.3
Cedar Rapids	20.6	20.6	20.6	3.9	3.8	3.8	18.0	18.0	17.8
Des Moines	20.6	21.7	21.8	10.5	10.1	10.2	44.5	44.8	44.8
Dubuque	10.9	12.2	12.0	1.7	1.7	1.7	8.6	8.6	8.5
Sioux City	8.6	9.1	9.0	3.4	3.4	3.4	12.1	12.3	12.2
Waterloo-Cedar Falls	16.7	15.9	15.7	1.9	1.8	1.8	12.6	12.6	12.6
Kansas	167.4	178.2	179.0	62.2	64.5	64.1	224.8	228.3	227.6
Lawrence	4.2	4.2	4.2	1.3	1.4	1.4	5.7	5.7	5.8
Topeka	9.1	9.9	10.0	7.7	7.9	8.0	18.0	18.9	18.9
Wichita	50.6	55.6	56.0	10.0	10.4	10.5	45.9	48.3	48.8
Kentucky	240.4	256.5	256.1	63.2	64.3	64.2	265.4	275.1	274.4
Lexington-Fayette	26.6	28.7	28.6	7.5	7.4	7.3	34.0	32.7	32.2
Louisville	82.5	85.8	87.0	21.2	21.2	21.1	87.7	89.6	89.4
Owensboro	5.7	6.4	6.6	2.4	2.3	2.3	7.5	7.7	7.5
Louisiana	179.9	182.0	181.9	118.9	116.7	117.0	371.8	376.7	376.8
Alexandria	5.2	5.3	5.3	2.5	2.5	2.5	12.5	12.7	12.7
Baton Rouge	22.4	22.3	22.3	10.2	9.8	9.7	48.1	51.2	51.2
Lafayette	3.7	3.8	3.8	6.7	6.8	6.8	23.4	24.0	24.7
Lake Charles	9.7	9.2	9.2	4.6	4.6	4.7	14.3	13.9	13.8
Monroe	6.9	7.1	6.8	2.8	2.7	2.8	14.1	14.1	14.3
New Orleans	41.1	40.0	39.9	47.7	46.0	46.0	129.5	132.2	131.8
Shreveport	23.6	26.1	26.5	9.4	9.2	9.4	34.5	34.2	34.5
Maine	101.2	111.8	105.5	19.0	18.3	19.0	102.3	103.1	108.4
Lewiston-Auburn	9.7	11.7	10.1	1.2	1.2	1.2	8.0	8.1	8.0
Portland	15.1	17.2	16.7	6.0	5.7	5.7	27.7	28.9	29.4
Maryland	211.7	217.3	214.6	86.6	90.9	90.1	418.1	437.7	435.7
Baltimore SMSA	140.9	142.0	139.5	57.8	59.6	59.0	218.6	228.0	226.6
Baltimore City	54.8	52.8	51.1	34.6	34.8	35.0	91.6	95.2	94.4

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	Finance, insurance, and real estate			Services			Government		
	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p
Georgia	122.6	127.4	129.5	398.9	424.2	428.6	420.6	437.2	418.5
Albany	2.1	2.1	2.1	6.2	6.1	6.1	10.6	10.7	10.6
Athens	1.7	1.7	1.7	7.2	7.5	7.6	16.5	17.8	16.3
Atlanta	76.1	76.9	78.0	233.2	253.3	255.4	160.9	167.4	164.5
Augusta	4.7	4.7	4.8	19.7	20.3	20.3	31.6	32.4	32.3
Columbus	5.5	5.7	5.7	11.9	12.2	12.3	20.5	19.6	19.5
Macon	6.4	6.3	6.4	18.2	18.4	18.4	29.9	30.8	30.7
Savannah	4.1	4.3	4.3	17.3	18.0	17.7	15.5	16.1	15.5
Hawaii	31.8	31.2	31.1	104.1	105.7	106.6	91.3	91.0	90.1
Honolulu	27.4	26.9	26.9	81.7	83.1	83.8	77.3	77.2	76.0
Idaho	23.4	23.7	23.6	60.7	63.1	63.2	64.5	68.8	63.9
Boise City	7.9	8.2	8.2	15.8	16.3	16.5	15.1	15.9	15.4
Illinois	324.7	324.6	326.1	1,029.4	1,025.2	1,028.9	689.5	680.1	683.2
Bloomington-Normal	8.6	8.8	8.8	9.1	9.0	9.2	8.8	8.6	7.5
Champaign-Urbana-Rantoul	2.4	2.4	2.4	12.1	12.2	12.3	26.8	27.2	27.4
Chicago-Gary	250.0	250.1	250.8	785.9	790.1	791.3	422.1	409.9	415.6
Chicago SMSA	241.4	241.8	242.6	748.1	752.0	753.1	389.1	380.3	386.4
Davenport-Rock Island-Moline	7.3	7.3	7.4	25.2	25.6	25.5	26.6	27.9	27.4
Decatur	2.8	2.8	2.8	8.8	8.9	8.8	4.9	5.0	4.9
Kankakee	1.5	1.4	1.4	7.0	6.9	6.9	7.9	7.6	7.6
Peoria	6.5	6.5	6.6	27.3	27.9	28.7	16.1	16.4	16.0
Rockford	4.2	4.2	4.3	20.1	20.8	21.0	11.8	12.7	12.1
Springfield	7.6	7.6	7.5	19.0	18.7	18.7	29.6	30.0	29.9
Indiana	102.5	103.1	103.9	364.4	373.0	373.7	314.4	310.5	311.4
Anderson	1.6	1.6	1.6	8.0	8.0	8.0	5.9	5.8	5.6
Elkhart	2.1	2.2	2.2	9.9	10.6	10.5	4.8	5.1	4.8
Evansville	4.5	4.6	4.7	27.3	26.8	27.5	12.2	12.3	11.9
Fort Wayne	10.7	10.8	10.8	30.1	30.5	30.5	17.7	16.8	16.9
Gary-Hammond-East Chicago	8.6	8.3	8.2	37.8	38.1	38.2	33.0	29.6	29.2
Indianapolis	39.7	40.8	41.3	102.3	108.4	106.9	79.9	80.6	80.8
Lafayette-West Lafayette	2.6	2.7	2.7	9.5	9.6	9.4	15.7	15.8	16.0
Muncie	1.5	1.6	1.5	8.7	8.8	8.7	8.4	7.9	7.7
South Bend	5.3	5.4	5.4	25.6	27.8	26.9	11.6	11.1	11.6
Terre Haute	2.0	2.1	2.1	10.3	10.5	10.4	10.6	10.8	10.6
Iowa	60.5	61.5	61.9	205.3	204.8	203.3	190.4	203.1	190.3
Cedar Rapids	4.4	4.4	4.4	15.3	15.7	15.2	8.8	10.0	9.5
Des Moines	22.4	22.8	23.0	40.6	40.5	40.3	25.9	27.9	26.3
Dubuque	1.3	1.3	1.3	10.4	10.8	10.7	3.4	3.3	3.2
Sioux City	2.6	2.6	2.6	11.8	11.8	11.6	5.4	6.1	5.6
Waterloo-Cedar Falls	2.3	2.3	2.3	11.0	10.6	10.6	9.8	9.6	9.4
Kansas	50.0	50.2	50.0	174.4	176.3	175.6	173.5	185.5	172.5
Lawrence .....	.8	.9	.9	4.0	4.0	4.0	8.1	8.3	7.8
Topeka	5.8	5.9	5.9	17.9	17.9	18.0	20.8	22.1	20.7
Wichita	10.0	9.9	9.9	40.4	40.1	40.1	22.6	25.2	22.5
Kentucky	53.8	53.9	54.3	227.0	233.0	229.5	197.4	216.2	198.9
Lexington-Fayette	7.5	7.4	7.3	33.4	33.2	33.5	30.0	29.7	28.6
Louisville	24.6	25.6	26.0	81.5	81.8	80.8	55.8	52.3	54.7
Owensboro	1.3	1.2	1.3	6.3	6.4	6.4	4.4	4.3	4.3
Louisiana	83.7	84.0	84.2	304.0	312.1	310.2	311.6	316.7	310.9
Alexandria	2.9	2.9	2.9	11.5	11.6	11.6	15.4	15.5	15.4
Baton Rouge	12.5	12.5	12.6	38.4	40.1	40.3	50.4	51.3	52.5
Lafayette	3.8	3.8	3.9	18.8	18.7	18.7	10.1	9.7	9.7
Lake Charles	2.9	3.0	3.0	10.9	10.7	10.7	10.5	10.5	10.6
Monroe	4.0	4.1	4.1	10.1	10.3	10.3	9.8	10.1	10.2
New Orleans	32.1	31.7	31.5	122.0	124.5	124.6	83.9	87.3	85.9
Shreveport	8.2	8.2	8.1	31.5	32.3	32.5	24.3	25.9	22.7
Maine	18.4	18.9	19.2	92.0	88.0	94.7	78.5	82.2	78.7
Lewiston-Auburn	1.6	1.8	1.8	7.3	7.3	7.4	2.9	3.0	3.0
Portland	8.5	8.9	9.0	23.2	24.6	24.8	11.6	13.4	12.4
Maryland	99.4	99.6	100.2	406.2	419.2	419.4	387.3	393.9	385.8
Baltimore SMSA	60.9	60.8	61.1	214.7	220.4	221.5	208.6	204.6	203.8
Baltimore City	40.9	40.3	40.1	114.1	117.3	118.9	86.8	80.7	85.1

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		
	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p
Massachusetts	2,670.7	2,762.7	2,729.4	1.2	1.2	1.2	88.3	93.6	93.3
Boston	1,495.2	1,546.9	1,529.7	.5	.5	.5	46.7	45.7	45.9
Brockton	55.9	59.2	57.6	(^a)	(^a)	(^a)	2.3	2.6	2.8
Fall River	53.6	56.5	54.3	(^a)	(^a)	(^a)	1.9	2.1	2.1
Fitchburg-Leominster	39.7	43.1	41.5	(^a)	(^a)	(^a)	1.4	1.4	1.5
Lawrence-Haverhill	112.6	116.0	114.1	(^a)	(^a)	(^a)	3.4	3.5	3.6
Lowell	84.0	90.6	88.0	(^a)	(^a)	(^a)	2.6	2.3	2.3
New Bedford	63.8	69.2	66.7	(^a)	(^a)	(^a)	2.2	2.6	2.7
Pittsfield	51.8	53.9	53.1	.1	.1	(^a)	1.8	2.0	2.1
Springfield-Chicopee-Holyoke	227.0	230.0	224.1	.2	.1	.2	6.6	6.3	6.7
Worcester	152.9	158.6	153.2	.6	.6	.6	4.4	3.9	4.0
Michigan	3,182.0	3,298.0	3,265.1	8.9	9.5	9.3	94.3	104.9	107.5
Ann Arbor	130.3	136.0	135.2	(^a)	(^a)	(^a)	4.0	4.1	4.1
Battle Creek	58.6	60.3	60.4	(^a)	(^a)	(^a)	1.8	1.7	1.8
Bay City	31.8	32.6	33.1	(^a)	(^a)	(^a)	1.1	1.0	1.1
Benton Harbor	55.0	57.7	57.7	(^a)	(^a)	(^a)	2.3	2.5	2.6
Detroit	1,535.8	1,602.3	1,586.3	.9	.8	.8	39.7	43.5	46.7
Flint	176.3	185.3	184.0	(^a)	(^a)	(^a)	4.1	4.4	4.2
Grand Rapids	262.9	272.5	272.1	(^a)	(^a)	(^a)	10.2	10.3	10.7
Jackson	45.5	47.6	47.1	(^a)	(^a)	(^a)	1.2	1.3	1.3
Kalamazoo-Portage	103.1	106.4	106.9	(^a)	(^a)	(^a)	3.7	3.8	4.0
Lansing-East Lansing	184.1	189.8	187.7	(^a)	(^a)	(^a)	4.1	6.4	6.2
Muskegon-Norton Shores-Muskegon Heights	55.1	57.7	57.6	(^a)	(^a)	(^a)	2.1	2.2	2.3
Saginaw	77.5	80.9	82.3	(^a)	(^a)	(^a)	2.2	2.4	2.6
Minnesota	1,716.4	1,832.2	1,819.7	10.5	11.1	11.2	69.5	77.2	81.8
Duluth-Superior	51.9	52.9	52.1	(^a)	(^a)	(^a)	1.4	1.6	1.7
Minneapolis-St. Paul	1,073.8	1,142.1	1,134.2	(^a)	(^a)	(^a)	40.7	43.4	46.3
Rochester	51.1	52.7	52.7	(^a)	(^a)	(^a)	1.9	1.8	1.8
St. Cloud	53.4	56.9	55.5	(^a)	(^a)	(^a)	2.9	3.2	3.3
Mississippi	788.2	800.4	794.8	8.8	9.1	9.1	35.5	33.3	33.5
Jackson	143.6	147.9	146.6	1.6	1.7	1.7	6.3	6.9	7.0
Missouri	1,910.2	1,965.6	1,937.7	6.6	5.9	5.9	81.2	79.8	82.1
Kansas City	608.6	633.4	624.0	.5	.6	.6	24.3	26.0	26.3
St. Joseph	36.6	36.6	36.3	(^a)	(^a)	(^a)	1.6	1.6	1.9
St. Louis	987.4	1,022.2	1,014.1	3.4	3.7	3.7	45.5	50.3	52.1
Springfield	88.6	90.8	91.0	.1	.1	.1	3.6	3.5	3.8
Montana	269.0	280.9	272.4	7.2	6.5	6.8	14.7	12.9	12.8
Nebraska	609.7	631.9	625.9	2.0	1.8	1.8	24.3	22.9	23.9
Lincoln	93.4	96.2	95.2	(^a)	(^a)	(^a)	3.3	3.3	3.4
Omaha	264.9	275.1	273.3	.1	.2	.2	10.2	10.0	10.4
Nevada	408.2	420.3	421.6	6.1	6.5	6.5	20.9	21.2	21.1
Las Vegas	228.5	234.3	235.0	.3	.3	.4	12.5	13.0	12.9
Reno	113.0	117.1	117.4	.7	.7	.7	5.5	5.4	5.5
New Hampshire	417.4	431.8	434.8	.5	.5	.5	26.1	20.2	21.4
Manchester	78.9	83.5	82.6	(^a)	(^a)	(^a)	3.7	4.1	4.4
Nashua	72.4	77.5	76.9	.2	.2	.2	3.2	3.1	3.2
New Jersey	3,202.8	3,317.5	3,312.6	2.1	2.0	2.0	119.8	133.7	135.1
Atlantic City	113.3	117.8	120.6	(^a)	(^a)	(^a)	4.6	5.2	5.2
Camden	361.6	368.6	365.8	.1	.1	.1	13.6	14.6	14.8
Hackensack	412.0	424.1	421.7	(^a)	(^a)	(^a)	15.2	15.9	15.9
Jersey City	220.9	222.0	223.1	(^a)	(^a)	(^a)	4.8	5.4	5.3
Long Branch-Asbury Park	180.7	186.9	189.7	(^a)	(^a)	(^a)	7.7	9.0	9.4
New Brunswick-Perth Amboy-Sayreville	297.6	302.8	304.0	(^a)	(^a)	(^a)	9.8	10.7	10.8
Newark	964.3	996.4	998.6	.7	.6	.6	31.9	34.2	34.9
Paterson-Clifton-Passaic	190.7	195.0	195.5	(^a)	(^a)	(^a)	7.1	7.7	7.6
Trenton	165.3	172.9	172.4	(^a)	(^a)	(^a)	3.3	3.7	3.9
Vineland-Millville-Bridgeton	51.7	52.2	52.0	(^a)	(^a)	(^a)	1.7	1.8	1.9
New Mexico	482.8	500.9	496.4	20.3	21.7	21.4	36.1	38.2	38.3
Albuquerque	200.9	209.3	208.8	(^a)	(^a)	(^a)	14.4	15.7	15.9
Las Cruces	32.1	35.2	31.6	(^a)	(^a)	(^a)	2.5	2.8	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		
	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p
Massachusetts	614.6	644.6	631.0	118.5	124.6	120.6	607.3	639.7	633.6
Boston	282.3	294.1	291.4	71.9	73.7	72.3	332.3	342.9	339.2
Brockton	10.5	10.8	10.4	3.6	4.3	4.0	15.8	17.0	16.8
Fall River	18.5	19.6	18.3	1.7	2.1	2.1	12.5	13.0	12.6
Fitchburg-Leominster	15.6	16.7	15.9	1.4	1.6	1.4	8.4	9.6	9.5
Lawrence-Haverhill	40.9	42.7	43.0	4.8	4.9	4.5	23.1	23.0	22.7
Lowell	34.2	37.3	37.3	2.8	3.0	2.8	17.2	18.1	17.6
New Bedford	22.7	26.6	24.5	2.3	2.4	2.5	13.7	13.5	13.7
Pittsfield	14.9	16.1	15.7	1.3	1.3	1.0	12.3	13.0	13.0
Springfield-Chicopee-Holyoke	54.8	55.6	54.1	8.9	9.5	9.1	49.2	50.4	49.6
Worcester	39.0	39.9	38.5	6.9	6.7	6.3	36.3	38.3	37.5
Michigan	872.5	942.9	936.8	139.6	136.9	136.3	694.9	723.3	720.3
Ann Arbor	33.0	35.5	34.3	3.1	3.3	3.3	20.4	20.5	20.8
Battle Creek	17.8	17.8	18.1	2.0	2.0	2.1	9.8	10.5	10.5
Bay City	7.8	8.3	8.1	1.6	1.5	1.5	8.7	8.7	8.6
Benton Harbor	18.5	19.2	19.1	2.3	2.4	2.4	10.8	11.3	11.4
Detroit	411.1	445.7	444.3	72.3	69.4	68.3	350.7	371.6	367.7
Flint	64.2	70.7	70.3	5.4	5.1	5.1	40.6	43.3	42.9
Grand Rapids	85.7	93.1	92.3	10.5	10.6	10.6	64.7	65.7	65.5
Jackson	10.8	11.9	11.8	5.0	4.9	4.9	9.5	9.7	9.7
Kalamazoo-Portage	30.9	32.2	32.2	3.7	3.6	3.6	22.2	23.2	23.4
Lansing-East Lansing	38.9	35.4	35.9	5.2	5.1	5.1	34.3	37.7	37.5
Muskegon-Norton Shores-Muskegon Heights	17.4	19.6	19.0	2.9	2.9	2.9	11.2	11.6	11.6
Saginaw	24.4	26.7	26.2	4.6	4.4	4.3	17.4	17.3	17.9
Minnesota	348.3	372.9	375.1	91.9	96.4	95.6	432.0	461.7	464.1
Duluth-Superior	4.8	4.6	4.6	5.5	5.0	5.0	14.4	14.5	14.5
Minneapolis-St. Paul	232.3	251.9	250.6	60.6	65.8	65.2	262.0	277.3	277.8
Rochester	10.4	10.8	10.9	1.9	2.1	2.0	10.4	10.4	10.3
St. Cloud	10.6	10.8	10.7	3.4	3.5	3.5	16.0	16.7	16.7
Mississippi	205.6	210.8	210.0	38.6	38.7	38.8	165.8	170.1	170.3
Jackson	16.0	16.3	16.3	9.7	9.9	9.9	35.5	36.5	36.5
Missouri	390.1	422.1	411.5	131.7	135.7	134.9	457.9	464.9	461.6
Kansas City	107.3	116.6	113.3	50.7	50.3	50.0	158.5	161.0	160.7
St. Joseph	8.8	8.8	8.7	2.1	2.0	1.9	8.8	8.6	8.5
St. Louis	209.4	221.9	220.3	70.8	72.6	72.3	230.3	238.0	238.5
Springfield	18.4	19.8	19.9	6.1	6.0	6.0	25.1	25.7	25.8
Montana	21.3	21.2	21.5	20.0	20.5	20.3	71.3	71.4	71.0
Nebraska	85.4	91.5	91.2	44.0	42.7	42.6	157.0	160.2	159.7
Lincoln	11.2	12.1	11.7	6.3	6.5	6.4	20.8	20.9	20.7
Omaha	33.9	36.5	36.5	22.5	22.2	22.1	67.1	68.2	68.2
Nevada	19.2	20.3	20.4	24.5	24.7	24.8	81.4	83.2	83.6
Las Vegas	7.3	7.7	7.8	13.9	14.0	14.0	46.6	47.1	47.3
Reno	7.5	7.7	7.8	8.0	8.1	8.1	24.3	25.7	25.8
New Hampshire	111.8	122.8	120.6	15.1	15.9	15.3	97.7	101.1	102.5
Manchester	16.0	17.5	17.1	5.1	5.3	5.2	20.8	22.2	22.0
Nashua	33.7	36.6	36.8	1.8	2.0	1.9	14.0	14.9	14.6
New Jersey	711.0	740.6	736.6	202.9	210.2	207.5	744.3	782.6	784.1
Atlantic City	7.8	7.8	7.5	4.7	4.7	4.7	22.8	22.4	23.9
Camden	70.2	72.1	72.1	16.3	16.5	16.5	94.3	98.4	97.0
Hackensack	101.6	102.6	102.6	21.5	21.5	21.4	124.7	130.3	130.0
Jersey City	58.4	60.2	59.1	26.2	25.9	25.7	46.4	47.4	47.4
Long Branch-Asbury Park	23.6	23.8	23.8	6.9	7.2	7.3	46.8	48.5	49.5
New Brunswick-Perth Amboy-Sayreville	80.2	83.6	83.1	24.1	24.1	23.9	71.2	72.1	72.4
Newark	222.1	226.2	226.6	78.9	81.7	81.4	193.0	206.0	204.3
Paterson-Clifton-Passaic	63.5	65.8	65.0	7.2	6.8	6.8	41.1	42.1	42.1
Trenton	30.9	31.9	32.0	5.2	5.1	4.8	26.1	28.9	28.9
Vineland-Millville-Bridgeton	15.6	15.3	15.4	2.5	2.8	2.7	9.5	9.4	9.5
New Mexico	34.1	35.7	35.1	29.0	28.1	28.1	112.6	118.2	118.2
Albuquerque	18.5	19.3	19.4	11.9	11.3	11.2	50.1	52.7	52.5
Las Cruces	3.2	3.3	3.2	1.2	1.1	1.1	6.5	7.3	7.4

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	Finance, insurance, and real estate			Services			Government		
	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P
Massachusetts	174.3	176.1	177.3	707.6	716.4	715.6	358.9	366.5	356.8
Boston	121.4	123.3	123.5	460.7	480.3	477.0	179.4	186.4	179.9
Brockton	2.2	2.2	2.1	10.9	11.2	11.0	10.6	11.1	10.5
Fall River	2.8	2.9	2.9	10.3	10.2	10.5	5.9	6.6	5.8
Fitchburg-Leominster	1.2	1.2	1.3	6.8	6.9	6.8	4.9	5.7	5.1
Lawrence-Haverhill	4.5	4.5	4.5	20.9	21.1	20.9	15.0	16.3	14.9
Lowell	2.5	2.6	2.6	13.7	15.3	14.6	11.0	12.0	10.8
New Bedford	2.2	2.3	2.3	11.5	11.6	11.7	9.2	10.2	9.3
Pittsfield	2.4	2.3	2.4	12.9	12.3	12.9	6.1	6.8	5.9
Springfield-Chicopee-Holyoke	14.6	14.2	14.4	49.7	50.4	48.2	43.0	43.5	41.8
Worcester	10.1	9.8	10.0	33.8	36.6	34.7	21.8	22.8	21.6
Michigan	152.9	158.4	158.5	659.3	669.4	669.1	559.5	552.6	527.4
Ann Arbor	4.2	4.6	4.5	24.9	26.4	26.1	40.7	41.6	42.1
Battle Creek	4.0	4.0	4.1	11.3	11.6	11.7	11.9	12.6	12.2
Bay City	1.3	1.4	1.4	6.3	6.8	6.8	5.0	4.9	5.5
Benton Harbor	1.9	2.0	2.0	11.8	12.2	12.3	7.5	8.2	7.9
Detroit	89.1	90.3	90.6	357.9	365.0	363.2	214.2	216.0	204.7
Flint	5.9	6.0	6.0	29.1	29.7	29.6	27.0	26.2	25.9
Grand Rapids	10.9	11.1	11.1	52.5	53.3	52.8	28.4	28.4	29.0
Jackson	1.7	1.6	1.6	9.5	9.8	9.6	7.9	8.5	8.2
Kalamazoo-Portage	4.1	4.1	4.1	21.8	22.2	22.6	16.7	17.2	17.0
Lansing-East Lansing	9.8	9.8	9.8	30.9	32.0	32.3	60.9	63.5	60.9
Muskegon-Norton Shores-Muskegon Heights	1.5	1.5	1.5	10.5	10.3	10.6	9.5	9.7	9.8
Saginaw	3.8	3.6	3.6	14.4	15.1	15.8	10.7	11.4	11.8
Minnesota	102.0	106.3	106.7	394.7	410.9	412.5	267.5	295.7	272.9
Duluth-Superior	2.0	2.2	2.2	13.7	13.8	14.0	10.2	11.2	10.1
Minneapolis-St. Paul	76.0	78.8	79.1	258.4	267.4	269.3	143.6	157.5	146.0
Rochester	1.6	1.6	1.6	20.3	20.7	20.7	4.6	5.4	5.4
St. Cloud	2.0	2.1	2.1	10.5	11.0	10.9	8.0	9.6	8.2
Mississippi	34.1	34.7	34.6	125.6	127.0	125.9	174.1	176.8	172.6
Jackson	11.6	11.8	11.8	30.1	30.9	30.8	32.8	33.8	32.5
Missouri	111.7	110.9	111.1	417.8	419.1	420.1	313.2	327.2	310.5
Kansas City	47.5	49.4	49.6	138.4	140.8	141.0	81.4	88.7	82.5
St. Joseph	2.0	2.0	2.0	7.8	7.7	7.7	5.5	5.9	5.6
St. Louis	60.2	60.0	60.4	235.2	237.1	236.6	132.6	138.6	130.2
Springfield	3.8	3.8	3.8	20.7	21.4	21.3	10.8	10.5	10.3
Montana	13.3	13.1	13.0	59.0	61.6	61.9	62.3	73.7	65.1
Nebraska	42.1	43.2	43.2	126.1	130.6	130.5	128.7	139.1	133.0
Lincoln	7.1	7.3	7.3	18.3	19.2	19.2	26.4	27.0	26.4
Omaha	24.4	25.3	25.3	65.0	67.5	67.4	41.6	45.4	43.2
Nevada	18.7	19.2	19.2	182.9	187.1	189.7	54.5	58.1	56.3
Las Vegas	10.7	11.1	11.2	111.8	113.7	115.3	25.4	27.4	26.1
Reno	6.3	6.1	6.1	45.5	47.1	47.4	15.2	16.3	16.0
New Hampshire	21.9	23.0	23.3	91.9	93.0	99.3	52.4	55.3	51.9
Manchester	6.4	6.5	6.5	18.7	19.2	19.1	8.2	8.7	8.3
Nashua	2.3	2.5	2.5	12.2	12.7	12.8	5.0	5.5	4.9
New Jersey	176.0	179.4	180.8	716.4	729.3	736.7	530.4	539.7	529.8
Atlantic City	4.9	4.8	4.9	51.2	55.8	56.9	17.4	17.1	17.5
Camden	18.6	18.7	19.2	78.4	76.9	77.1	70.2	71.3	69.0
Hackensack	20.4	21.2	21.3	84.8	87.9	87.4	43.9	44.7	43.1
Jersey City	8.4	8.7	8.8	33.8	33.9	33.4	42.9	40.5	43.4
Long Branch-Asbury Park	8.5	8.5	8.7	49.8	51.5	53.1	37.5	38.4	37.9
New Brunswick-Perth Amboy-Sayreville	14.3	14.7	14.9	49.4	49.5	50.6	48.6	48.1	48.3
Newark	69.4	70.4	71.2	222.5	230.7	232.0	145.9	146.6	147.6
Paterson-Clifton-Passaic	9.7	9.0	9.1	36.2	37.8	37.5	26.0	25.8	27.4
Trenton	8.1	8.1	8.2	44.2	47.2	46.7	47.4	48.0	47.9
Vineland-Millville-Bridgeton	2.7	2.7	2.7	9.2	9.3	9.3	10.6	10.9	10.5
New Mexico	23.7	24.5	24.7	103.2	106.1	107.0	123.8	128.4	123.6
Albuquerque	12.0	12.5	12.7	50.7	53.8	53.9	43.3	44.0	43.2
Las Cruces	1.3	1.4	1.4	4.4	4.7	4.8	13.0	14.6	10.7

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		
	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P
New York	7,304.3	7,545.2	7,501.2	7.4	7.7	7.7	244.7	252.5	255.8
Albany-Schenectady-Troy	338.9	351.5	347.3	(¹)	(¹)	(¹)	12.0	13.2	13.6
Binghamton	116.2	121.4	119.5	(¹)	(¹)	(¹)	4.4	5.0	5.3
Buffalo	464.0	472.6	469.3	(¹)	(¹)	(¹)	16.3	15.2	15.9
Elmira	33.9	34.9	35.0	(¹)	(¹)	(¹)	1.1	1.1	1.2
Glens Falls	42.4	41.4	43.3	(¹)	(¹)	(¹)	1.2	1.1	1.2
Monroe County	336.6	346.1	341.9	(¹)	(¹)	(¹)	10.5	10.6	10.9
Nassau-Suffolk	993.2	1,030.0	1,022.2	(¹)	(¹)	(¹)	43.4	45.8	46.4
Newburgh-Middletown	82.8	84.8	84.6	(¹)	(¹)	(¹)	2.7	2.9	3.0
New York-Northeastern New Jersey	6,883.2	7,096.1	7,072.1	2.4	2.3	2.3	224.0	235.5	236.5
New York and Nassau-Suffolk	4,797.8	4,955.9	4,929.4	2.2	2.2	2.2	155.3	161.5	162.0
New York SMSA	3,804.6	3,925.8	3,907.3	2.0	2.0	2.0	111.8	115.7	115.6
New York City	3,338.8	3,448.8	3,431.6	1.7	1.7	1.7	90.1	93.4	92.9
Poughkeepsie	107.0	109.2	109.7	(¹)	(¹)	(¹)	4.0	4.3	4.2
Rochester	413.7	427.3	423.2	(¹)	(¹)	(¹)	12.8	13.3	13.8
Rockland County	87.9	89.1	89.0	(¹)	(¹)	(¹)	3.1	3.3	3.3
Syracuse	262.7	269.6	268.9	(¹)	(¹)	(¹)	14.2	14.6	15.4
Utica-Rome	111.8	116.7	115.4	(¹)	(¹)	(¹)	3.2	3.6	3.7
Westchester County	364.2	374.4	373.0	(¹)	(¹)	(¹)	17.8	18.4	18.7
North Carolina	2,376.9	2,498.1	2,445.9	4.4	4.5	4.5	116.3	124.6	126.0
Asheville	72.3	73.5	72.2	(¹)	(¹)	(¹)	2.7	2.8	2.8
Charlotte-Gastonia	341.5	356.5	349.9	(¹)	(¹)	(¹)	17.8	19.0	19.1
Greensboro-Winston-Salem-High Point	386.1	404.8	396.7	(¹)	(¹)	(¹)	17.7	19.4	19.4
Raleigh-Durham	289.6	302.1	299.5	(¹)	(¹)	(¹)	17.5	17.8	18.4
North Dakota	251.7	254.2	251.9	7.1	8.1	8.3	21.1	16.7	17.4
Fargo-Moorhead	60.5	62.6	61.5	(¹)	(¹)	(¹)	3.4	3.1	3.2
Ohio	4,082.0	4,220.4	4,178.7	27.4	28.2	28.2	140.8	138.8	143.4
Akron	245.4	249.9	250.9	(¹)	(¹)	(¹)	8.0	7.6	8.1
Canton	144.5	148.6	147.9	(¹)	(¹)	(¹)	4.9	4.9	5.4
Cincinnati	573.0	595.5	589.8	(¹)	(¹)	(¹)	20.9	21.3	21.7
Cleveland	832.8	838.6	833.9	(¹)	(¹)	(¹)	27.4	25.4	26.1
Columbus	498.0	523.5	514.4	(¹)	(¹)	(¹)	16.5	16.8	17.6
Dayton	331.4	346.4	343.3	(¹)	(¹)	(¹)	10.0	9.9	10.3
Toledo	277.6	291.3	286.4	(¹)	(¹)	(¹)	10.8	10.0	10.3
Youngstown-Warren	178.9	182.7	181.6	(¹)	(¹)	(¹)	5.3	5.3	5.4
Oklahoma	1,168.5	1,190.5	1,181.2	76.9	74.0	73.8	52.6	48.4	49.0
Enid	26.7	25.9	26.0	2.2	2.0	2.1	1.3	1.2	1.2
Lawton	33.3	33.0	33.0	(¹)	(¹)	(¹)	1.4	1.3	1.3
Oklahoma City	420.9	438.1	434.3	22.8	24.0	23.6	20.0	18.9	19.0
Tulsa	302.4	307.2	307.1	22.8	22.8	22.8	14.8	15.2	15.2
Oregon	963.1	1,004.6	980.9	1.8	2.2	2.1	28.8	28.0	30.7
Eugene-Springfield	90.7	95.8	92.3	.2	.2	.3	2.9	2.7	3.0
Medford	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Portland	520.0	534.7	528.1	.7	.7	.7	16.7	16.6	18.2
Salem	82.5	83.4	82.3	.1	(¹)	.1	2.6	2.4	2.6
Pennsylvania	4,537.7	4,660.6	4,623.0	40.9	39.8	40.7	184.6	181.8	188.5
Allentown-Bethlehem-Easton	252.8	258.0	256.2	.7	.7	.8	8.2	8.2	8.3
Altoona	46.2	47.1	47.4	.2	.2	.2	1.9	1.7	1.7
Delaware Valley	1,564.8	1,609.1	1,607.4	1.1	1.1	1.1	63.3	62.6	64.4
Erie	104.5	105.8	106.5	.2	.3	.3	3.0	2.9	3.1
Harrisburg	225.8	231.9	231.8	.1	.1	.1	8.2	8.0	8.5
Johnstown	73.8	75.8	75.9	6.1	6.3	6.6	2.3	2.3	2.6
Lancaster	152.0	156.9	155.8	.4	.4	.4	6.5	6.7	6.8
Northeast Pennsylvania	235.0	238.5	236.4	.8	.7	.7	11.0	8.2	8.8
Philadelphia SMSA	1,927.2	1,977.9	1,973.3	1.2	1.2	1.2	76.8	77.2	79.2
Philadelphia City	749.7	757.6	760.7	(¹)	(¹)	(¹)	18.0	18.3	18.6
Pittsburgh	867.8	867.8	865.2	6.7	6.7	6.6	41.6	41.2	42.6
Reading	135.2	142.1	139.3	.2	.2	.2	4.7	5.2	5.3
Sharon	40.0	40.5	39.9	.4	.4	.5	1.0	.9	.9
State College	44.6	44.9	45.6	.4	.3	.3	1.6	1.4	1.6
Williamsport	42.9	45.7	45.1	.2	.2	.2	1.1	1.1	1.2
York	146.0	154.5	152.6	.4	.4	.4	6.1	5.7	6.2

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		
	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P
New York	1,291.0	1,328.4	1,310.2	396.3	414.2	405.3	1,497.8	1,560.6	1,546.7
Albany-Schenectady-Troy	50.7	51.0	50.4	15.2	15.9	15.8	69.8	74.1	73.6
Binghamton	41.9	42.5	42.2	4.4	4.4	4.5	21.6	22.4	22.4
Buffalo	103.1	103.6	102.3	24.3	25.6	24.7	109.8	112.5	111.2
Elmira	8.0	8.4	8.3	1.4	1.4	1.4	8.6	9.1	9.1
Glens Falls	9.7	10.0	9.9	1.3	1.4	1.4	9.4	9.0	9.9
Monroe County	125.2	126.9	126.5	10.1	10.1	10.0	64.9	66.9	65.8
Nassau-Suffolk	168.2	172.2	171.4	41.8	44.3	41.3	260.6	275.4	273.7
Newburgh-Middletown	14.1	14.3	14.5	5.1	5.4	5.0	20.0	20.6	20.5
New York-Northeastern New Jersey	1,205.6	1,235.0	1,218.4	448.3	466.1	458.7	1,449.7	1,517.1	1,503.9
New York and Nassau-Suffolk	679.8	696.6	682.0	290.4	306.1	299.5	973.2	1,019.1	1,007.7
New York SMSA	511.6	524.4	510.6	248.6	261.8	258.2	712.6	743.7	734.1
New York City	426.4	439.4	425.7	226.4	237.7	234.7	603.3	630.6	621.9
Poughkeepsie	34.1	34.9	35.2	3.3	3.3	3.3	17.4	18.1	18.0
Rochester	144.7	146.9	147.3	12.8	12.7	12.7	83.2	85.7	84.6
Rockland County	15.8	16.2	16.1	3.6	3.6	3.5	19.2	19.7	19.6
Syracuse	55.5	57.7	57.5	14.9	15.3	15.3	59.0	60.3	59.9
Utica-Rome	26.1	28.5	27.7	4.1	4.3	4.2	23.0	24.2	24.0
Westchester County	68.1	67.5	67.5	18.0	19.9	19.4	86.6	89.9	88.9
North Carolina	790.2	815.1	809.5	120.5	122.1	121.7	507.7	527.8	530.3
Asheville	21.0	21.0	21.1	3.5	3.6	3.6	15.6	16.1	16.1
Charlotte-Gastonia	89.2	93.9	92.3	32.2	32.3	32.2	85.0	86.6	86.2
Greensboro-Winston-Salem-High Point	144.0	148.1	148.0	21.2	21.8	21.8	80.4	84.1	84.3
Raleigh-Durham	48.6	51.6	52.0	14.5	14.7	14.8	56.7	59.2	59.3
North Dakota	14.9	15.4	15.5	16.3	16.4	16.3	66.5	66.8	66.5
Fargo-Moorhead	4.5	4.7	4.7	3.8	3.7	3.6	18.7	19.0	19.0
Ohio	1,062.2	1,121.5	1,118.4	201.5	200.1	200.0	931.2	945.1	942.4
Akron	65.5	67.9	67.8	12.7	12.7	12.6	57.2	57.7	57.9
Canton	44.3	45.3	45.3	6.0	5.9	5.9	33.4	34.0	34.1
Cincinnati	140.0	145.9	145.8	31.7	31.2	31.1	140.3	142.3	142.2
Cleveland	206.2	211.6	209.8	42.1	42.0	42.0	193.4	194.4	193.0
Columbus	83.5	88.4	88.2	22.9	23.3	23.4	120.8	126.3	125.6
Dayton	85.2	91.4	91.3	12.9	13.0	13.0	71.9	73.5	73.1
Toledo	68.9	75.5	75.0	17.8	17.7	17.8	64.1	65.0	64.4
Youngstown-Warren	53.9	55.6	55.8	7.7	7.5	7.5	42.0	42.0	42.0
Oklahoma	166.2	176.2	174.6	67.6	66.7	66.7	283.7	292.4	291.8
Enid	2.5	2.0	2.0	2.8	2.7	2.7	7.6	7.6	7.6
Lawton	3.4	3.5	3.5	1.5	1.5	1.5	8.3	8.3	8.4
Oklahoma City	49.6	53.7	53.9	23.0	23.4	23.4	106.8	111.4	111.6
Tulsa	52.9	55.5	55.3	22.1	22.6	22.7	71.4	72.6	72.4
Oregon	191.7	197.9	199.5	56.1	56.0	55.7	246.4	251.8	251.5
Eugene-Springfield	18.3	19.0	18.9	4.2	4.2	4.1	23.6	24.0	24.0
Medford	8.1	8.8	8.8	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Portland	95.6	101.1	102.1	35.2	35.0	34.8	139.1	141.7	141.9
Salem	14.3	11.7	13.9	2.7	2.6	2.6	18.5	19.2	18.9
Pennsylvania	1,093.5	1,131.3	1,122.3	236.4	249.5	241.4	999.2	1,023.2	1,010.2
Allentown-Bethlehem-Easton	88.8	90.8	90.4	13.5	13.9	13.6	51.5	52.6	52.1
Altoona	10.6	11.3	11.2	5.0	5.1	5.0	10.8	11.0	11.2
Delaware Valley	317.8	324.0	322.8	75.7	81.3	80.3	339.5	351.6	349.0
Erie	34.4	35.5	35.7	4.4	4.3	4.3	22.0	22.2	22.6
Harrisburg	40.6	43.1	43.1	16.1	16.4	16.4	47.4	48.4	48.4
Johnstown	12.5	13.0	12.7	4.4	4.7	4.4	15.3	15.7	15.7
Lancaster	55.1	58.0	57.7	6.2	6.2	6.2	36.5	37.1	37.1
Northeast Pennsylvania	60.0	63.9	62.5	12.6	12.8	12.6	51.6	53.0	52.2
Philadelphia SMSA	387.9	396.3	395.0	91.9	97.8	96.8	435.9	450.0	446.0
Philadelphia City	108.9	110.6	109.9	47.9	49.6	49.3	142.4	145.3	143.9
Pittsburgh	167.4	163.6	162.1	50.9	53.4	52.6	208.3	209.3	209.0
Reading	49.1	52.3	51.1	5.5	5.7	5.4	28.7	30.6	30.1
Sharon	10.8	11.2	11.2	2.1	2.2	2.0	9.4	9.4	9.3
State College	7.3	7.9	7.7	1.1	1.3	1.3	8.8	8.6	8.7
Williamsport	13.3	15.2	14.8	2.0	2.0	2.0	9.6	9.8	9.7
York	53.3	58.9	58.1	6.9	6.8	6.8	34.4	36.6	36.1

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		
	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p
New York	695.3	709.0	712.9	1,886.0	1,947.4	1,952.4	1,285.7	1,325.6	1,310.2
Albany-Schenectady-Troy	17.2	17.3	17.3	79.5	81.7	81.5	94.5	98.4	95.1
Binghamton	3.8	4.0	4.0	20.7	21.2	21.5	19.4	22.0	19.6
Buffalo	22.9	23.5	23.6	103.6	108.4	106.4	83.9	83.8	85.1
Elmira	1.2	1.2	1.2	7.2	7.4	7.6	6.5	6.4	6.3
Glens Falls	2.0	1.9	1.9	10.8	9.5	11.1	7.8	8.5	7.9
Monroe County	15.8	15.8	16.0	73.2	75.9	75.4	36.8	39.9	37.2
Nassau-Suffolk	58.4	59.3	59.6	249.9	256.3	259.3	170.9	176.7	170.4
Newburgh-Middletown	3.3	3.3	3.4	18.0	17.7	18.3	19.7	20.6	19.8
New York-Northeastern New Jersey	704.8	718.0	722.3	1,764.0	1,827.3	1,827.1	1,084.4	1,094.8	1,102.9
New York and Nassau-Suffolk	582.7	594.0	597.2	1,337.1	1,387.0	1,385.6	777.1	789.2	793.3
New York SMSA	524.3	534.8	537.5	1,087.4	1,130.9	1,126.4	606.2	612.4	622.8
New York City	498.1	508.4	511.0	962.8	1,002.7	995.9	530.0	534.8	547.6
Poughkeepsie	3.2	3.3	3.4	21.9	21.6	22.1	23.1	23.8	23.4
Rochester	17.6	17.6	17.7	86.4	89.4	89.1	56.3	61.8	58.1
Rockland County	3.5	3.5	3.5	22.0	21.9	22.6	20.7	20.9	20.4
Syracuse	17.7	17.8	17.9	54.2	56.0	56.1	47.1	47.8	46.8
Utica-Rome	6.0	6.2	6.2	21.6	21.7	21.6	27.8	28.1	28.0
Westchester County	22.2	22.3	22.4	99.1	103.1	104.4	52.4	53.4	51.8
North Carolina	102.2	104.7	105.0	371.7	375.7	380.2	363.9	423.6	368.7
Asheville	2.3	2.4	2.5	16.5	16.2	16.2	10.7	11.4	9.9
Charlotte-Gastonia	23.8	23.9	23.9	60.0	62.5	61.4	33.5	38.3	34.8
Greensboro-Winston-Salem-High Point	19.2	19.3	19.3	63.3	63.8	64.2	40.3	48.3	39.7
Raleigh-Durham	16.5	17.3	17.3	63.5	64.0	64.1	72.3	77.5	73.6
North Dakota	12.0	12.2	12.2	55.8	57.1	57.0	58.0	61.5	58.7
Fargo-Moorhead	3.9	4.0	4.1	15.3	15.7	15.8	10.9	12.4	11.1
Ohio	212.2	214.8	215.7	883.2	912.1	905.1	623.4	659.8	625.3
Akron	9.4	9.6	9.6	55.0	56.9	57.3	36.9	36.9	36.9
Canton	6.4	6.8	6.8	31.0	32.1	31.9	17.2	18.2	17.2
Cincinnati	33.0	33.5	33.8	132.0	138.2	137.8	74.7	82.8	77.1
Cleveland	49.5	48.3	48.5	196.2	201.6	200.6	117.0	114.1	112.7
Columbus	43.7	45.6	45.9	113.3	118.5	117.2	96.7	104.2	95.9
Dayton	14.0	14.2	14.3	75.1	78.0	77.7	62.0	66.0	63.3
Toledo	10.8	11.0	11.0	64.3	66.5	66.5	40.6	45.1	41.0
Youngstown-Warren	7.3	7.3	7.4	39.7	40.6	40.7	22.4	23.7	22.2
Oklahoma	63.0	63.4	64.2	220.5	224.3	223.1	238.0	245.1	238.0
Enid	1.3	1.3	1.3	5.5	5.5	5.5	3.5	3.6	3.6
Lawton	1.4	1.3	1.4	5.8	5.7	5.9	11.5	11.4	11.0
Oklahoma City	27.6	27.6	27.9	82.1	85.7	84.4	89.0	93.4	90.5
Tulsa	16.7	17.1	17.1	67.4	67.3	67.2	34.3	34.1	34.4
Oregon	66.2	66.7	66.8	195.7	202.1	200.2	176.4	199.9	174.4
Eugene-Springfield	4.6	4.6	4.5	19.0	19.2	19.1	17.9	21.9	18.4
Medford	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Portland	44.3	43.8	43.5	112.9	114.5	112.7	75.5	81.3	74.2
Salem	5.3	5.3	5.3	14.8	15.2	15.1	24.2	27.0	23.8
Pennsylvania	246.2	254.7	255.0	1,076.5	1,110.7	1,106.8	660.4	669.6	658.1
Allentown-Bethlehem-Easton	10.0	10.2	10.2	51.4	53.5	53.6	28.7	28.1	27.2
Altoona	1.5	1.5	1.5	9.1	9.4	9.5	7.1	6.9	7.1
Delaware Valley	110.9	116.6	116.7	434.4	447.9	446.6	222.1	224.0	226.5
Erie	4.7	4.7	4.7	23.6	24.1	24.0	12.2	11.8	11.8
Harrisburg	13.1	13.8	13.8	45.7	46.1	46.0	54.6	56.0	55.5
Johnstown	3.9	4.1	4.2	16.7	17.1	17.2	12.6	12.6	12.5
Lancaster	5.8	5.7	5.8	28.5	28.7	28.4	13.0	14.1	13.4
Northeast Pennsylvania	10.1	10.2	10.3	52.9	53.5	54.0	36.0	36.2	35.3
Philadelphia SMSA	129.5	135.3	135.9	511.8	524.8	523.7	292.2	295.3	295.5
Philadelphia City	64.8	65.1	65.1	224.5	228.8	225.9	143.2	139.9	148.0
Pittsburgh	49.5	50.0	50.3	232.0	236.0	234.3	111.4	107.6	107.7
Reading	6.4	6.6	6.6	26.0	26.4	26.2	14.6	15.1	14.4
Sharon	1.4	1.3	1.4	9.8	10.1	9.9	5.1	5.0	4.7
State College	1.5	1.5	1.6	6.9	7.4	7.5	17.0	16.5	16.9
Williamsport	2.1	2.2	2.2	8.9	9.0	9.0	5.7	6.2	6.0
York	4.2	4.4	4.5	23.9	24.4	23.9	16.8	17.3	16.6

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	Total			Mining			Construction		
	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P
Rhode Island	391.5	407.0	400.0	0.1	0.1	0.1	12.4	13.4	13.6
Providence-Warwick-Pawtucket	394.0	407.6	400.5	.2	.3	.2	12.3	13.0	13.2
South Carolina	1,177.6	1,243.2	1,240.3	1.8	1.7	1.7	73.6	74.8	74.6
Charleston-North Charleston	154.2	161.9	160.4	(¹)	(¹)	(¹)	10.2	10.5	10.7
Columbia	187.7	191.3	189.9	(¹)	(¹)	(¹)	11.9	12.7	12.6
Greenville-Spartanburg	261.7	267.8	265.5	(¹)	(¹)	(¹)	16.8	16.3	16.6
South Dakota	236.8	250.2	243.7	2.8	2.7	2.7	10.0	9.5	10.4
Sioux Falls	56.3	61.1	61.1	(¹)	(¹)	(¹)	2.6	2.8	3.1
Tennessee	1,717.3	1,824.5	1,823.9	8.0	8.0	7.8	70.4	83.9	84.8
Chattanooga	160.0	167.5	168.7	1.2	1.2	1.2	5.7	6.8	7.2
Johnson City-Kingsport-Bristol	143.1	149.9	151.7	.4	.2	.2	6.7	9.1	9.2
Knoxville	200.2	205.0	203.8	1.3	1.3	1.3	8.3	9.8	9.7
Memphis	354.6	360.2	359.4	.1	.1	.1	14.1	14.4	14.6
Nashville-Davidson	374.7	394.9	394.2	(¹)	(¹)	(¹)	18.9	23.0	23.4
Texas	6,172.7	6,353.4	6,340.2	261.0	271.6	270.6	428.7	412.1	410.5
Abilene	57.1	57.7	57.0	4.2	4.1	4.0	3.1	3.1	3.1
Amarillo	76.9	79.5	79.4	(¹)	(¹)	(¹)	4.2	4.2	4.4
Austin	277.6	293.1	294.7	(¹)	(¹)	(¹)	17.4	20.3	20.5
Beaumont-Port Arthur-Orange	140.0	142.1	142.4	(¹)	(¹)	(¹)	10.5	9.3	9.3
Brownsville-Harlingen-San Benito	60.5	62.8	62.0	(¹)	(¹)	(¹)	3.3	3.3	3.3
Bryan-College Station	42.9	44.2	44.2	1.1	1.1	1.1	2.9	3.3	3.4
Corpus Christi	128.4	129.4	129.6	7.3	7.4	7.4	10.0	10.0	9.8
Dallas-Fort Worth	1,584.5	1,659.5	1,664.1	28.8	28.3	28.1	98.5	103.8	105.6
El Paso	161.7	168.7	165.7	(¹)	(¹)	(¹)	8.9	9.5	9.4
Galveston-Texas City	66.6	69.9	68.0	(¹)	(¹)	(¹)	4.0	4.5	4.5
Houston	1,496.7	1,525.3	1,515.3	98.7	101.3	101.0	138.3	129.7	127.9
Killeen-Temple	60.2	63.6	63.4	(¹)	(¹)	(¹)	3.5	4.0	3.9
Laredo	28.9	30.5	30.6	(¹)	(¹)	(¹)	1.4	1.2	1.2
Longview-Marshall	66.9	67.7	67.1	(¹)	(¹)	(¹)	5.0	4.8	4.7
Lubbock	90.0	90.1	90.1	(¹)	(¹)	(¹)	4.5	4.3	4.5
McAllen-Pharr-Edinburg	74.4	77.5	75.4	1.4	1.4	1.4	5.1	5.0	5.0
Midland	50.9	57.4	57.8	12.2	13.2	13.4	3.8	3.6	3.5
Odessa	54.7	59.1	59.6	8.6	8.9	8.6	4.2	4.5	4.6
San Angelo	36.9	37.9	37.5	1.0	.8	.7	2.5	2.5	2.5
San Antonio	434.5	457.8	455.6	3.4	3.5	3.5	31.3	33.3	33.2
Sherman-Denison	34.1	35.0	34.8	.2	.2	.2	1.3	1.3	1.3
Texarkana	45.4	47.1	47.5	.1	.1	.1	2.0	2.1	2.2
Tyler	56.7	58.3	58.2	3.1	2.8	2.8	2.6	2.4	2.4
Waco	73.9	76.6	76.7	(¹)	(¹)	(¹)	4.1	4.3	4.4
Wichita Falls	52.1	53.9	53.4	3.2	3.2	3.2	2.1	2.0	2.0
Utah	564.1	600.2	596.1	13.7	13.9	12.2	31.1	35.2	35.8
Salt Lake City-Ogden	401.0	426.7	425.8	5.9	5.7	4.4	20.7	24.0	24.3
Vermont	205.0	207.6	209.6	.7	.7	.6	12.4	13.0	13.5
Burlington	61.7	63.2	63.6	(¹)	(¹)	(¹)	3.7	4.0	4.3
Springfield	12.9	13.4	13.6	(¹)	(¹)	(¹)	1.4	1.4	1.5
Virginia	2,215.4	2,315.4	2,285.6	17.5	19.4	19.5	120.7	132.4	135.7
Bristol	25.6	27.6	27.7	.1	.1	.1	1.0	1.3	1.4
Charlottesville	56.2	59.0	55.8	.1	.1	.1	3.1	3.0	3.2
Danville	38.9	40.3	39.3	.1	.1	.1	1.5	1.6	1.7
Lynchburg	69.0	72.2	71.0	.1	.1	.1	2.8	2.9	2.9
Newport News-Hampton	162.9	170.5	170.3	.1	.1	.1	7.2	8.6	8.7
Norfolk-Virginia Beach-Portsmouth	306.2	323.3	321.2	.1	.1	.1	19.9	22.7	22.9
Northern Virginia	508.9	539.6	536.0	.6	.6	.6	30.1	33.9	34.4
Petersburg-Colonial Heights-Hopewell	41.1	41.3	40.0	.1	.1	.1	1.9	1.8	1.9
Richmond	334.1	344.8	340.6	.3	.4	.4	16.8	17.5	17.9
Roanoke	103.8	106.7	107.1	.1	.1	.1	5.5	5.9	6.0
Washington	1,585.9	1,652.9	1,633.9	2.8	2.8	2.9	76.4	76.1	78.5
Seattle-Everett	769.4	802.8	797.7	.4	.4	.4	35.4	37.3	38.4

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	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P
Rhode Island	112.4	121.0	117.2	13.0	13.8	13.2	84.0	85.2	84.8
Providence-Warwick-Pawtucket	122.3	129.6	125.6	13.1	13.9	13.3	83.9	84.9	84.5
South Carolina	361.9	374.6	373.5	55.1	56.8	57.2	243.2	251.8	255.3
Charleston-North Charleston	18.7	19.9	20.1	8.6	8.8	8.9	36.2	38.3	38.8
Columbia	25.1	26.9	26.6	9.5	8.7	8.7	39.6	41.3	41.4
Greenville-Spartanburg	98.6	99.9	99.3	9.7	9.5	9.4	54.5	55.3	55.5
South Dakota	26.2	28.7	28.8	12.3	12.1	12.3	63.8	66.0	66.3
Sioux Falls	8.3	8.7	8.7	4.4	4.6	4.8	15.6	17.2	16.9
Tennessee	468.6	496.3	496.4	84.0	90.7	92.5	394.4	409.9	416.9
Chattanooga	41.9	44.2	43.6	7.5	7.3	7.3	36.3	38.0	38.6
Johnson City-Kingsport-Bristol	51.6	53.5	54.2	5.7	5.0	5.7	28.6	28.6	28.9
Knoxville	48.4	51.0	50.7	7.5	6.8	6.8	46.7	47.3	47.7
Memphis	51.4	50.9	52.2	27.2	30.0	30.2	98.3	99.5	99.7
Nashville-Davidson	78.9	88.2	87.1	20.5	19.4	19.3	89.5	89.7	90.1
Texas	959.1	995.0	994.0	373.3	383.1	383.2	1,555.3	1,594.5	1,596.2
Abilene	6.5	5.9	5.9	3.2	3.2	3.2	15.0	14.9	14.9
Amarillo	9.5	9.7	9.8	6.5	6.8	6.7	23.2	24.0	24.0
Austin	33.5	35.3	35.7	7.9	8.1	8.2	63.7	67.7	68.1
Beaumont-Port Arthur-Orange	32.2	31.8	31.8	11.9	12.0	12.1	33.0	34.1	34.4
Brownsville-Harlingen-San Benito	11.1	10.9	10.9	3.2	3.1	3.2	17.2	17.2	17.4
Bryan-College Station	3.1	3.1	3.1	1.7	1.8	1.8	9.8	9.8	9.8
Corpus Christi	14.2	14.8	14.9	7.4	7.4	7.3	32.7	32.8	33.0
Dallas-Fort Worth	310.3	320.4	320.6	98.0	100.8	101.6	428.2	443.8	446.4
El Paso	35.6	37.9	37.1	10.0	9.7	9.7	39.7	40.9	40.9
Galveston-Texas City	10.7	10.1	10.1	6.2	6.1	5.9	12.9	12.5	12.7
Houston	199.6	198.7	199.5	104.8	105.2	104.8	362.3	371.0	371.4
Killeen-Temple	8.4	9.0	8.9	3.1	3.2	3.3	14.2	15.1	15.2
Laredo	1.7	1.9	1.8	3.2	3.2	3.2	9.1	9.1	9.3
Longview-Marshall	14.8	14.9	14.8	3.7	3.7	3.6	16.9	17.2	17.2
Lubbock	11.6	9.6	9.5	4.5	4.6	4.6	25.7	26.9	27.0
McAllen-Pharr-Edinburg	9.9	10.5	10.0	2.6	2.6	2.6	22.7	24.1	24.1
Midland	3.6	3.8	4.0	2.8	3.0	3.0	11.9	14.1	14.0
Odessa	6.1	5.8	5.8	3.0	3.0	3.0	15.4	18.1	18.3
San Angelo	5.6	5.6	5.5	3.8	3.7	3.7	8.9	9.3	9.4
San Antonio	49.5	51.7	51.4	18.3	18.9	19.1	111.6	118.6	119.3
Sherman-Denison	11.1	11.8	11.8	2.1	2.1	2.1	7.1	7.1	7.0
Texarkana	8.6	9.1	9.3	2.0	2.0	1.9	10.8	10.9	11.1
Tyler	11.6	12.2	12.2	2.8	3.0	3.0	14.4	14.7	14.6
Waco	15.6	16.3	16.4	3.2	3.4	3.4	18.6	19.6	19.6
Wichita Falls	8.7	9.9	9.9	2.8	2.9	2.9	13.2	13.5	13.6
Utah	85.9	95.0	95.1	36.5	36.6	36.8	133.2	141.3	141.5
Salt Lake City-Ogden	58.8	64.4	64.7	28.8	28.3	28.3	98.8	105.1	105.4
Vermont	47.3	48.8	48.7	8.8	9.1	9.2	43.7	44.2	44.9
Burlington	15.7	16.1	16.0	2.7	2.6	2.6	13.0	13.1	13.3
Springfield	3.9	4.0	4.1	.6	.6	.6	2.4	2.4	2.4
Virginia	402.5	413.3	413.0	121.2	125.9	126.3	479.5	507.0	510.3
Bristol	8.0	9.5	9.7	1.1	1.0	1.1	6.5	6.5	6.6
Charlottesville	10.5	10.4	10.4	1.9	1.8	1.9	9.9	10.0	9.8
Danville	18.7	18.6	18.5	1.0	1.0	1.1	7.3	7.4	7.4
Lynchburg	26.4	27.7	27.6	2.9	3.1	3.1	12.2	12.6	12.6
Newport News-Hampton	39.8	39.8	40.1	4.8	4.9	4.9	32.3	35.2	36.0
Norfolk-Virginia Beach-Portsmouth	26.3	28.2	28.3	20.2	20.1	20.3	76.4	81.2	83.0
Northern Virginia	24.8	27.9	28.1	35.9	37.3	37.5	116.3	123.7	123.7
Petersburg-Colonial Heights-Hopewell	7.8	7.0	7.0	1.2	1.2	1.2	8.2	8.3	8.4
Richmond	54.9	55.8	56.0	19.7	20.4	20.3	80.7	83.4	83.6
Roanoke	19.7	20.0	20.3	8.3	8.4	8.5	26.1	27.9	28.1
Washington	279.8	286.7	286.3	89.9	92.7	93.6	400.0	414.1	415.6
Seattle-Everett	147.8	151.8	153.7	52.9	54.8	55.1	194.9	201.0	202.9

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		
	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p
Rhode Island	21.5	21.7	21.8	93.1	95.0	94.0	55.0	56.8	55.3
Providence-Warwick-Pawtucket	20.9	21.1	21.2	89.4	91.0	90.2	51.9	53.8	52.3
South Carolina	52.1	53.8	54.4	180.2	192.7	193.9	209.7	237.0	229.7
Charleston-North Charleston	7.6	7.9	8.0	27.6	28.4	28.2	45.2	48.0	45.6
Columbia	14.9	15.3	15.5	32.0	31.9	31.7	54.4	54.2	53.1
Greenville-Spartanburg	10.7	10.8	10.9	39.0	39.4	39.9	32.2	36.3	33.6
South Dakota	12.6	13.1	13.1	55.0	56.4	56.8	54.2	61.7	53.3
Sioux Falls	4.6	5.1	5.2	14.9	15.6	15.3	5.8	7.2	7.2
Tennessee	81.5	83.8	83.6	328.3	348.9	348.2	282.1	303.0	293.7
Chattanooga	9.7	10.1	10.0	29.7	29.7	29.9	28.0	30.2	30.9
Johnson City-Kingsport-Bristol	4.5	4.8	4.8	22.3	24.9	24.9	23.3	23.8	23.8
Knoxville	8.5	8.2	8.2	37.1	36.9	36.9	42.4	43.7	42.5
Memphis	20.7	21.5	21.5	81.4	82.8	82.5	61.4	61.0	58.6
Nashville-Davidson	27.0	28.7	28.9	81.0	86.3	86.0	58.9	59.6	59.4
Texas	395.4	405.7	406.3	1,187.4	1,227.9	1,226.7	1,012.5	1,063.5	1,052.7
Abilene	3.2	3.3	3.3	13.2	13.6	13.6	8.7	9.6	9.0
Amarillo	4.2	4.5	4.5	16.6	17.0	16.8	12.7	13.3	13.2
Austin	18.3	18.9	19.3	57.8	62.1	62.4	79.0	80.7	80.5
Beaumont-Port Arthur-Orange	5.7	5.7	5.7	28.6	30.2	30.2	18.1	19.0	18.9
Brownsville-Harlingen-San Benito	3.2	3.1	3.1	10.9	11.5	11.5	11.6	13.7	12.6
Bryan-College Station	1.8	1.9	1.9	6.4	6.7	6.5	16.1	16.5	16.6
Corpus Christi	6.6	6.6	6.7	24.0	24.0	24.1	26.2	26.4	26.4
Dallas-Fort Worth	129.1	138.5	139.3	318.3	338.1	341.1	173.3	185.8	181.4
El Paso	7.8	8.0	8.0	28.3	28.2	28.3	31.4	34.5	32.3
Galveston-Texas City	4.5	4.6	4.6	11.5	11.8	12.2	16.8	20.3	18.0
Houston	106.4	109.1	109.9	313.9	330.8	330.1	172.7	179.5	170.7
Killeen-Temple	2.3	2.5	2.5	11.0	11.3	11.3	17.7	18.5	18.3
Laredo	1.4	1.4	1.4	5.6	6.3	6.3	6.5	7.4	7.4
Longview-Marshall	2.9	2.8	2.7	16.0	16.0	15.9	7.6	8.3	8.2
Lubbock	5.2	5.3	5.4	19.1	19.6	19.6	19.4	19.8	19.5
McAllen-Pharr-Edinburg	3.2	3.3	3.3	11.0	11.4	11.4	18.5	19.2	17.6
Midland	3.6	4.0	4.0	8.2	10.0	10.2	4.8	5.7	5.7
Odessa	2.4	2.4	2.4	8.0	9.1	9.2	7.0	7.3	7.7
San Angelo	1.6	1.7	1.7	7.4	7.6	7.7	6.1	6.7	6.3
San Antonio	31.8	33.3	33.3	94.1	99.6	99.6	94.5	98.9	96.2
Sherman-Denison	1.3	1.3	1.3	6.2	6.3	6.3	4.8	4.9	4.8
Texarkana	1.7	1.7	1.7	8.2	8.6	8.6	12.0	12.6	12.6
Tyler	3.2	3.2	3.2	11.6	11.9	11.9	7.4	8.1	8.1
Waco	4.7	4.7	4.8	16.3	16.8	17.0	11.4	11.5	11.1
Wichita Falls	2.5	2.5	2.5	9.3	9.2	9.2	10.3	10.7	10.1
Utah	28.3	29.8	29.9	111.8	117.2	117.7	123.5	131.1	127.1
Salt Lake City-Ogden	23.4	24.6	24.6	77.6	81.9	82.6	87.1	92.8	91.6
Vermont	9.1	9.2	9.4	49.7	47.3	50.3	33.3	35.3	33.0
Burlington	2.7	2.7	2.7	14.4	14.7	15.2	9.5	10.0	9.5
Springfield	4	4	4	2.8	2.9	3.1	1.4	1.7	1.5
Virginia	112.7	117.2	118.3	471.4	482.3	480.9	489.8	518.0	481.7
Bristol	9	9	9	3.4	3.4	3.4	4.5	4.8	4.5
Charlottesville	2.9	2.9	2.9	9.5	9.3	9.3	18.4	21.6	18.3
Danville	1.1	1.2	1.2	5.0	5.2	5.1	4.3	5.2	4.4
Lynchburg	3.3	3.3	3.3	12.6	12.7	12.4	8.7	9.8	9.1
Newport News-Hampton	5.1	5.4	5.5	34.7	36.4	36.7	38.9	40.2	38.4
Norfolk-Virginia Beach-Portsmouth	15.8	16.6	16.8	67.6	72.1	72.6	79.9	82.3	77.1
Northern Virginia	31.4	32.7	33.0	149.6	157.6	158.3	120.4	126.0	120.5
Petersburg-Colonial Heights-Hopewell	1.2	1.2	1.2	7.1	7.0	7.1	13.7	14.7	13.1
Richmond	27.8	28.3	28.4	65.8	66.4	66.4	68.0	72.5	67.6
Roanoke	6.3	6.5	6.5	22.9	22.9	23.1	14.9	15.1	14.5
Washington	93.6	94.3	94.8	330.5	344.2	343.3	312.9	342.0	318.9
Seattle-Everett	58.3	58.8	59.0	162.3	172.9	171.1	117.4	125.8	117.1

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		
	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P
West Virginia	588.4	594.2	594.0	48.0	51.7	52.0	23.1	23.0	23.4
Charleston	105.8	106.1	106.2	4.3	3.8	3.8	4.9	4.9	5.0
Huntington-Ashland	93.7	92.8	93.4	.7	.7	.7	4.5	4.3	4.4
Parkersburg-Marietta	55.8	57.0	56.7	1.2	1.2	1.2	2.5	2.5	2.6
Wheeling	59.1	58.2	58.2	3.3	3.2	3.2	2.1	2.0	2.0
Wisconsin	1,854.4	1,927.9	1,918.3	2.7	2.9	2.8	59.2	60.2	63.4
Appleton-Oshkosh	125.2	130.1	129.7	(¹)	(¹)	(¹)	5.1	5.5	5.7
Eau Claire	48.1	49.9	49.5	(¹)	(¹)	(¹)	1.5	1.3	1.4
Green Bay	78.3	82.2	82.3	(¹)	(¹)	(¹)	2.8	3.2	3.1
Janesville-Beloit	50.2	52.1	51.8	(¹)	(¹)	(¹)	1.2	1.3	1.4
Kenosha	42.1	42.0	41.2	(¹)	(¹)	(¹)	1.4	1.0	1.0
La Crosse	44.6	46.3	45.9	(¹)	(¹)	(¹)	1.4	1.3	1.2
Madison	171.2	177.9	177.2	(¹)	(¹)	(¹)	5.8	6.3	6.9
Milwaukee	613.8	638.4	632.5	(¹)	(¹)	(¹)	15.5	15.9	17.2
Racine	62.8	65.1	65.1	(¹)	(¹)	(¹)	1.1	1.2	1.4
Sheboygan	41.3	43.9	44.2	(¹)	(¹)	(¹)	1.6	2.4	2.5
Wausau	41.4	42.4	42.0	(¹)	(¹)	(¹)	1.5	1.2	1.3
Wyoming	203.3	213.1	209.1	28.1	27.0	26.9	19.3	22.5	21.0
Puerto Rico	634.8	660.9	659.5	.7	.7	.7	22.9	27.3	28.3
Caguas	25.9	25.4	25.2	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Mayaguez	37.9	35.9	36.9	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Ponce	42.7	43.5	43.4	(¹)	(¹)	(¹)	1.8	1.7	1.7
San Juan	325.3	339.8	338.0	(¹)	(¹)	(¹)	15.6	19.5	20.1
Virgin Islands	36.4	34.5	35.5	(¹)	(¹)	(¹)	2.6	2.2	2.2

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		
	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P
West Virginia	89.0	92.8	91.8	40.1	39.5	39.5	127.4	127.4	127.7
Charleston	14.1	13.7	13.6	9.0	9.0	9.0	25.6	26.8	26.8
Huntington—Ashland	19.2	19.8	19.9	8.4	8.2	8.2	23.3	23.0	23.0
Parkersburg—Marietta	14.2	15.3	14.9	2.1	2.1	2.1	13.6	13.7	13.7
Wheeling	8.7	8.6	8.6	3.6	3.5	3.5	14.9	14.8	14.8
Wisconsin	493.7	507.6	513.3	82.8	86.6	83.8	430.2	448.3	449.4
Appleton—Oshkosh	45.8	47.8	48.0	4.4	4.7	4.5	25.8	27.0	27.2
Eau Claire	9.3	9.3	9.4	2.6	2.7	2.6	13.1	14.0	14.1
Green Bay	21.8	21.6	22.8	5.8	6.1	6.0	20.9	22.6	22.5
Janesville—Beloit	18.3	18.9	19.1	2.0	2.2	2.1	11.8	12.5	12.5
Kenosha	17.0	17.9	17.3	1.1	1.1	1.1	8.0	8.0	8.0
La Crosse	10.0	10.5	10.7	2.1	2.2	2.2	12.1	12.3	12.4
Madison	19.5	19.6	20.0	5.7	5.9	5.8	38.1	39.3	39.1
Milwaukee	162.8	169.5	168.2	31.1	32.1	31.1	139.4	142.6	141.7
Racine	23.7	24.9	24.9	2.2	2.2	2.1	13.6	13.9	14.1
Sheboygan	17.2	18.4	18.8	1.2	1.4	1.4	7.8	7.8	7.8
Wausau	11.4	11.8	12.0	2.0	2.1	2.0	10.2	10.2	10.1
Wyoming	8.4	8.2	8.6	16.6	16.8	16.8	46.0	45.6	46.2
Puerto Rico	141.8	149.0	147.8	15.1	15.3	15.2	104.1	103.3	103.3
Caguas	8.3	8.1	7.7	(¹)	(¹)	(¹)	5.2	5.2	5.3
Mayaguez	13.8	12.9	13.8	(¹)	(¹)	(¹)	5.0	5.4	5.4
Ponce	8.5	9.3	9.3	(¹)	(¹)	(¹)	7.1	7.1	7.1
San Juan	30.8	32.5	32.0	11.9	11.9	11.8	66.2	65.7	65.4
Virgin Islands	2.5	2.3	2.3	2.1	2.2	2.2	7.1	7.0	6.9

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		
	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p
West Virginia	22.5	22.0	22.0	106.5	104.6	103.9	131.9	133.2	133.7
Charleston	5.2	5.3	5.4	21.6	21.3	21.4	21.1	21.3	21.2
Huntington-Ashland	3.8	3.5	3.5	15.3	15.4	15.4	18.5	17.9	18.3
Parkersburg-Marietta	2.0	2.1	2.1	11.1	10.7	10.6	9.0	9.6	9.6
Wheeling	2.8	2.6	2.6	14.4	14.1	14.1	9.4	9.4	9.3
Wisconsin	98.7	99.9	100.8	389.7	403.1	406.0	297.4	319.3	298.7
Appleton-Oshkosh	6.0	6.4	6.4	22.7	23.0	23.0	15.2	15.7	14.8
Eau Claire	1.7	1.8	1.8	10.5	10.6	10.9	9.3	10.1	9.3
Green Bay	2.6	2.6	2.7	15.6	16.0	15.9	8.9	10.1	9.3
Janesville-Beloit	1.4	1.4	1.4	9.3	9.7	9.4	6.2	6.0	5.8
Kenosha	1.0	1.0	1.0	7.8	7.6	7.5	5.8	5.3	5.3
La Crosse	1.4	1.4	1.4	11.8	12.5	12.4	5.8	6.0	5.7
Madison	13.5	13.4	13.5	34.2	36.2	36.1	54.3	57.2	55.8
Milwaukee	42.3	42.4	42.7	147.7	154.3	156.4	75.0	81.6	75.2
Racine	2.1	2.2	2.3	12.2	12.4	12.5	7.8	8.3	7.9
Sheboygan	1.8	1.8	1.8	6.7	6.8	6.8	4.9	5.4	5.1
Wausau	3.9	3.9	3.9	6.9	7.0	7.0	5.5	6.2	5.6
Wyoming	7.8	7.7	7.7	36.3	34.4	34.3	40.8	50.9	47.6
Puerto Rico	28.7	28.9	29.2	80.7	85.6	83.4	240.9	250.8	251.6
Caguas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	8.9	8.7	8.7
Mayaguez	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	13.7	12.5	12.5
Ponce	(¹)	(¹)	(¹)	6.7	6.6	6.6	15.7	15.8	15.8
San Juan	22.0	22.0	22.2	55.2	58.4	57.3	123.3	129.5	128.9
Virgin Islands	1.4	1.4	1.4	5.8	5.8	5.6	14.9	13.6	14.9

- 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.

**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

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:									
August	35.3	\$7.95	\$280.64	42.6	\$11.25	\$479.25	38.0	\$11.86	\$450.68
September	35.3	8.12	286.64	43.1	11.33	488.32	37.9	12.04	456.32
October	35.3	8.16	288.05	43.2	11.33	489.46	37.3	12.06	449.84
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 ^a	35.6	8.32	296.19	43.2	11.57	499.82	38.6	11.95	461.27
August ^b	35.5	8.30	294.65	43.7	11.53	503.86	38.5	12.01	462.39

See footnotes at end of table.

**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—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:										
August	40.2	\$8.78	\$8.44	\$352.96	39.5	\$10.69	\$422.26	38.6	\$8.54	\$329.64
September	40.8	8.89	8.52	362.71	39.4	10.88	428.67	38.7	8.62	333.59
October	40.7	8.90	8.54	362.23	39.5	10.94	432.13	38.7	8.69	336.30
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 ^a	40.3	9.17	8.82	369.55	39.9	11.18	446.08	38.8	8.97	348.04
August ^b	40.3	9.14	8.77	368.34	39.9	11.21	447.28	38.7	8.95	346.37

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:									
August	30.5	\$5.73	\$174.77	36.1	\$7.24	\$261.36	33.0	\$7.24	\$238.92
September	29.9	5.78	172.82	36.1	7.33	264.61	32.7	7.37	241.00
October	29.9	5.79	173.12	36.4	7.45	271.18	32.7	7.43	242.96
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 ^p	30.7	5.87	180.21	36.7	7.63	280.02	33.1	7.56	250.24
August ^p	30.6	5.84	178.70	36.4	7.59	276.28	33.0	7.52	248.16

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p	July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p
Total private		35.3	35.3	35.5	35.6	35.5	-	-	-	-	-
Mining		42.1	42.6	43.7	43.2	43.7	-	-	-	-	-
Metal mining	10	38.1	39.0	40.6	39.9	-	-	-	-	-	-
Iron ores	101	37.9	38.0	39.6	39.7	-	-	-	-	-	-
Copper ores	102	37.9	39.8	41.1	39.5	-	-	-	-	-	-
Coal mining	11,12	-	40.5	41.5	-	-	-	-	-	-	-
Bituminous coal and lignite mining	12	-	40.6	41.5	-	-	-	-	-	-	-
Oil and gas extraction	13	43.3	43.5	44.5	44.2	-	-	-	-	-	-
Crude petroleum, natural gas, and natural gas liquids	131,2	42.6	42.0	42.2	41.6	-	-	-	-	-	-
Oil and gas field services	138	43.7	44.1	45.4	45.3	-	-	-	-	-	-
Nonmetallic minerals, except fuels	14	44.6	44.6	45.5	45.7	-	-	-	-	-	-
Crushed and broken stone	142	45.3	45.3	46.2	46.7	-	-	-	-	-	-
Construction		38.2	38.0	38.6	38.6	38.5	-	-	-	-	-
General building contractors	15	37.4	37.3	37.7	37.5	-	-	-	-	-	-
Residential building construction	152	36.8	36.5	37.2	37.0	-	-	-	-	-	-
Operative builders	153	40.8	42.9	38.9	38.7	-	-	-	-	-	-
Nonresidential building construction	154	37.7	37.6	38.1	37.8	-	-	-	-	-	-
Heavy construction contractors	16	41.8	41.4	42.8	43.0	-	-	-	-	-	-
Highway and street construction	161	44.2	43.6	44.5	45.0	-	-	-	-	-	-
Heavy construction, except highway	162	40.6	40.2	41.9	41.9	-	-	-	-	-	-
Special trade contractors	17	37.1	37.1	37.6	37.6	-	-	-	-	-	-
Plumbing, heating, and air conditioning	171	38.1	38.2	38.6	38.5	-	-	-	-	-	-
Painting, paper hanging, and decorating	172	35.8	36.1	36.0	35.7	-	-	-	-	-	-
Electrical work	173	38.1	38.8	38.8	39.2	-	-	-	-	-	-
Masonry, stonework, and plastering	174	35.3	35.5	35.7	35.7	-	-	-	-	-	-
Carpentering and flooring	175	35.1	35.0	35.3	34.4	-	-	-	-	-	-
Roofing and sheet metal work	176	35.7	34.7	35.7	35.9	-	-	-	-	-	-
Manufacturing		40.0	40.2	40.8	40.3	40.3	3.0	3.2	3.4	3.3	3.4
Durable goods		40.4	40.6	41.5	40.9	40.9	2.9	3.1	3.6	3.4	3.5
Lumber and wood products	24	40.2	40.8	40.3	39.4	39.9	3.3	3.6	3.3	3.1	-
Logging camps and logging contractors	241	40.1	40.8	39.6	38.7	-	3.5	3.7	3.4	3.5	-
Sawmills and planing mills	242	41.0	41.3	40.9	40.0	-	4.0	4.0	3.8	3.7	-
Sawmills and planing mills, general	2421	41.3	41.6	41.0	40.0	-	4.2	4.2	3.9	3.9	-
Hardwood dimension and flooring	2426	40.0	40.2	40.6	39.9	-	3.0	3.1	3.3	2.9	-
Millwork, plywood, and structural members	243	39.7	40.8	40.6	39.6	-	3.2	3.8	3.4	3.1	-
Millwork	2431	40.1	41.5	40.4	39.1	-	2.7	3.5	2.9	2.2	-
Wood kitchen cabinets	2434	38.9	40.7	41.0	40.4	-	2.7	3.9	3.6	3.4	-
Hardwood veneer and plywood	2435	39.3	40.8	40.4	39.6	-	3.1	3.6	3.2	3.0	-
Softwood veneer and plywood	2436	40.1	39.9	40.7	39.1	-	4.1	3.9	3.5	4.0	-
Wood containers	244	38.8	39.0	39.1	38.1	-	2.1	2.2	2.2	1.9	-
Wood buildings and mobile homes	245	39.7	40.3	38.3	38.1	-	2.9	3.0	2.4	2.3	-
Mobile homes	2451	40.0	40.6	38.4	38.3	-	3.1	3.1	2.3	2.0	-
Miscellaneous wood products	249	40.2	40.6	40.7	40.2	-	2.6	2.7	2.9	2.8	-
Furniture and fixtures	25	39.0	40.1	39.6	39.1	39.3	2.2	2.7	2.4	2.2	-
Household furniture	251	38.5	39.6	38.8	38.3	-	1.8	2.4	2.0	1.6	-
Wood household furniture	2511	38.8	39.7	39.5	38.7	-	2.0	2.5	2.4	2.0	-
Upholstered household furniture	2512	37.5	38.8	37.8	37.3	-	1.1	1.5	1.3	.8	-
Metal household furniture	2514	39.4	40.2	39.3	38.8	-	2.5	2.6	1.9	1.5	-
Mattresses and bedsprings	2515	38.5	40.9	37.3	37.4	-	2.2	3.6	1.8	1.7	-
Office furniture	252	39.5	41.3	41.5	40.4	-	2.5	3.1	3.7	3.3	-
Public building and related furniture	253	40.3	40.9	40.3	40.8	-	3.1	3.8	2.8	3.1	-
Partitions and fixtures	254	39.5	40.2	40.6	40.2	-	3.2	3.3	3.1	3.2	-
Miscellaneous furniture and fixtures	259	40.4	41.6	41.2	40.2	-	2.4	2.7	2.4	1.8	-
Stone, clay, and glass products	32	41.9	42.1	42.5	42.2	41.8	4.5	4.7	5.0	5.0	-
Flat glass	321	43.4	45.1	44.0	44.1	-	5.6	6.0	5.7	5.5	-
Glass and glassware, pressed or blown	322	41.0	40.7	41.0	40.6	-	4.1	4.2	4.4	4.3	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P	July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P
Total private		\$8.01	\$7.95	\$8.29	\$8.32	\$8.30	\$282.75	\$280.64	\$294.30	\$296.19	\$294.65
Mining		11.27	11.25	11.57	11.57	11.53	474.47	479.25	505.61	499.82	503.86
Metal mining	10	12.59	12.54	12.96	13.05	-	479.68	489.06	526.18	520.70	-
Iron ores	101	12.19	12.06	12.77	12.95	-	462.00	458.28	505.69	514.12	-
Copper ores	102	13.33	13.10	13.57	13.76	-	505.21	521.38	557.73	543.52	-
Coal mining	11,12	-	13.88	14.91	-	-	539.54	562.14	618.77	601.60	-
Bituminous coal and lignite mining	12	-	13.93	14.95	-	-	542.49	565.56	620.43	605.11	-
Oil and gas extraction	13	10.66	10.57	10.58	\$10.57	-	461.58	459.80	470.81	467.19	-
Crude petroleum, natural gas, and natural gas liquids	131,2	12.31	12.23	12.62	12.69	-	524.41	513.66	532.56	527.90	-
Oil and gas field services	138	9.93	9.85	9.82	9.81	-	433.94	434.39	445.83	444.39	-
Nonmetallic minerals, except fuels	14	9.26	9.35	9.81	9.84	-	413.00	417.01	446.36	449.69	-
Crushed and broken stone	142	8.83	8.83	9.35	9.43	-	400.00	400.00	431.97	440.38	-
Construction		11.80	11.86	11.94	11.95	12.01	450.76	450.68	460.88	461.27	462.39
General building contractors	15	10.61	10.62	10.74	10.78	-	396.81	396.13	404.90	404.25	-
Residential building construction	152	9.61	9.79	10.02	10.10	-	353.65	357.34	372.74	373.70	-
Operative builders	153	8.90	8.89	8.86	8.85	-	363.12	381.38	344.65	342.50	-
Nonresidential building construction	154	11.73	11.59	11.60	11.58	-	442.22	435.78	441.96	437.72	-
Heavy construction contractors	16	11.84	11.90	11.75	11.72	-	494.91	492.66	502.90	503.96	-
Highway and street construction	161	10.62	10.66	10.88	10.97	-	469.40	464.78	484.16	493.65	-
Heavy construction, except highway	162	12.53	12.60	12.26	12.17	-	508.72	506.52	513.69	509.92	-
Special trade contractors	17	12.34	12.42	12.58	12.58	-	457.81	460.78	473.01	473.01	-
Plumbing, heating, and air conditioning	171	12.37	12.41	12.57	12.57	-	471.30	474.06	485.20	483.95	-
Painting, paper hanging, and decorating	172	11.40	11.44	11.33	11.53	-	408.12	412.98	407.88	411.62	-
Electrical work	173	13.99	14.17	14.12	14.15	-	533.02	549.80	547.86	554.68	-
Masonry, stonework, and plastering	174	12.16	12.18	12.50	12.56	-	429.25	432.39	446.25	448.39	-
Carpentering and flooring	175	11.39	11.58	11.57	11.61	-	399.79	405.30	408.42	399.38	-
Roofing and sheet metal work	176	10.92	10.95	11.11	11.17	-	389.84	379.97	396.63	401.00	-
Manufacturing		8.84	8.78	9.14	9.17	9.14	353.60	352.96	372.91	369.55	368.34
Durable goods		9.38	9.32	9.69	9.71	9.68	378.95	378.39	402.14	397.14	395.91
Lumber and wood products	24	7.82	7.82	8.04	8.01	8.06	314.36	319.06	324.01	315.59	321.59
Logging camps and logging contractors	241	10.12	10.24	10.82	10.70	-	405.81	417.79	428.47	414.09	-
Sawmills and planing mills	242	8.30	8.21	8.48	8.44	-	340.30	339.07	346.83	337.60	-
Sawmills and planing mills, general	2421	8.76	8.67	8.92	8.88	-	361.79	360.67	365.72	355.20	-
Hardwood dimension and flooring	2426	5.56	5.52	5.86	5.90	-	222.40	221.90	237.92	235.41	-
Millwork, plywood, and structural members	243	7.61	7.64	7.81	7.77	-	302.12	311.71	317.09	307.69	-
Millwork	2431	7.80	7.89	7.99	8.05	-	312.78	327.44	322.80	314.76	-
Wood kitchen cabinets	2434	6.88	6.92	7.13	6.95	-	267.63	281.64	292.33	280.78	-
Hardwood veneer and plywood	2435	6.08	6.16	6.27	6.30	-	238.94	251.33	253.31	249.48	-
Softwood veneer and plywood	2436	9.41	9.41	9.80	9.75	-	377.34	375.46	398.86	381.23	-
Wood containers	244	5.52	5.54	5.73	5.66	-	214.18	216.06	224.04	215.65	-
Wood buildings and mobile homes	245	6.72	6.79	7.01	7.08	-	266.78	273.64	268.48	269.75	-
Mobile homes	2451	6.71	6.82	7.10	7.16	-	268.40	276.89	272.64	274.23	-
Miscellaneous wood products	249	6.61	6.57	6.81	6.85	-	265.72	266.74	277.17	275.37	-
Furniture and fixtures	25	6.65	6.67	6.84	6.88	6.90	259.35	267.47	270.86	269.01	271.17
Household furniture	251	6.08	6.12	6.29	6.29	-	234.08	242.35	244.05	240.91	-
Wood household furniture	2511	5.59	5.60	5.75	5.76	-	216.89	222.32	227.13	222.91	-
Upholstered household furniture	2512	6.43	6.49	6.79	6.74	-	241.13	251.81	256.66	251.40	-
Metal household furniture	2514	6.41	6.49	6.46	6.61	-	252.55	260.90	253.88	256.47	-
Mattresses and bedsprings	2515	7.02	7.05	7.08	7.02	-	270.27	288.35	264.08	262.55	-
Office furniture	252	7.35	7.40	7.43	7.59	-	290.33	305.62	308.35	306.64	-
Public building and related furniture	253	7.25	7.23	7.48	7.54	-	292.18	295.71	301.44	307.63	-
Partitions and fixtures	254	8.28	8.16	8.22	8.24	-	327.06	328.03	333.73	331.25	-
Miscellaneous furniture and fixtures	259	7.29	7.37	7.37	7.30	-	294.52	306.59	303.64	293.46	-
Stone, clay, and glass products	32	9.33	9.30	9.58	9.64	9.66	390.93	391.53	407.15	406.81	403.79
Flat glass	321	12.46	12.77	12.92	13.11	-	540.76	575.93	568.48	578.15	-
Glass and glassware, pressed or blown	322	10.04	10.03	10.50	10.56	-	411.64	408.22	430.50	428.74	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P	July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P
Durable goods—Continued											
Stone, clay, and glass products—Continued											
Glass containers	3221	41.1	41.0	41.1	41.0	-	4.9	5.1	5.0	5.1	-
Pressed and blown glass, nec	3229	40.8	40.3	40.9	40.2	-	3.0	3.0	3.6	3.4	-
Products of purchased glass	323	40.6	40.8	40.9	41.2	-	3.4	3.3	3.5	3.6	-
Cement, hydraulic	324	41.8	42.2	42.1	41.4	-	3.1	3.2	3.2	3.0	-
Structural clay products	325	41.1	41.8	42.3	42.3	-	3.8	4.2	4.1	4.2	-
Pottery and related products	326	37.6	38.8	39.2	38.7	-	1.5	1.6	2.3	1.9	-
Concrete, gypsum, and plaster products	327	43.9	43.8	44.4	44.2	-	6.6	6.7	7.1	7.2	-
Concrete block and brick	3271	45.8	45.9	45.0	44.1	-	7.5	7.6	7.4	7.2	-
Concrete products, nec	3272	42.0	43.4	43.1	43.3	-	4.9	5.7	5.7	6.3	-
Ready-mixed concrete	3273	44.2	43.1	44.8	44.7	-	7.2	6.7	7.9	7.9	-
Misc. nonmetallic mineral products	329	41.7	41.9	42.2	41.8	-	3.5	3.6	4.2	4.2	-
Abrasive products	3291	40.9	41.1	41.7	41.4	-	2.8	2.5	3.0	3.1	-
Asbestos products	3292	43.4	44.6	43.6	41.8	-	3.9	4.3	5.0	3.4	-
Primary metal industries											
Blast furnaces and basic steel products	331	40.5	40.6	41.9	41.4	41.2	3.0	3.3	4.0	3.9	-
Blast furnaces and steel mills	3312	40.2	39.8	41.2	40.5	40.0	2.5	2.7	3.4	3.2	-
Steel pipe and tubes	3317	40.0	39.4	40.9	40.1	-	2.4	2.6	3.4	3.1	-
Steel pipe and tubes	3317	39.8	40.5	42.3	42.1	-	2.9	2.7	3.5	4.1	-
Iron and steel foundries	332	40.1	40.2	41.8	41.3	-	2.8	2.9	4.0	3.7	-
Gray iron foundries	3321	40.2	40.8	41.6	41.3	-	3.2	3.4	4.2	3.9	-
Malleable iron foundries	3322	39.2	41.0	41.4	40.9	-	2.6	3.6	3.3	3.0	-
Steel foundries, nec	3325	39.7	38.1	41.3	40.5	-	1.5	1.5	3.5	2.8	-
Primary nonferrous metals	333	40.9	40.9	42.0	42.2	-	3.2	3.2	3.5	3.7	-
Primary aluminum	3334	40.9	40.4	42.6	42.8	-	3.6	3.3	3.7	3.9	-
Nonferrous rolling and drawing	335	41.8	42.4	43.2	43.1	-	4.3	4.7	5.5	5.6	-
Copper rolling and drawing	3351	43.1	43.5	43.9	43.5	-	4.3	4.3	5.4	4.9	-
Aluminum sheet, plate, and foil	3353	41.5	41.7	43.0	42.0	-	6.1	5.9	6.4	5.7	-
Nonferrous wire drawing and insulating	3357	41.3	42.1	42.8	43.3	-	3.7	4.3	5.4	6.1	-
Nonferrous foundries	336	39.8	40.7	42.2	41.4	-	3.1	3.4	4.0	3.6	-
Aluminum foundries	3361	40.3	41.2	42.4	41.8	-	3.3	3.7	4.3	3.8	-
Fabricated metal products											
Metal cans and shipping containers	341	40.2	40.7	41.6	40.9	41.1	2.8	3.2	3.6	3.3	-
Metal cans	3411	43.0	43.1	44.0	44.3	-	5.3	5.9	5.5	6.0	-
Cutlery, hand tools, and hardware	342	43.4	43.4	44.0	44.3	-	5.6	6.3	5.5	5.9	-
Hand and edge tools, and hand saws and blades	3423,5	39.9	40.4	40.6	40.0	-	2.5	2.6	2.7	2.7	-
Hardware, nec	3429	39.1	40.6	40.4	39.1	-	1.7	2.4	2.2	2.0	-
Hardware, nec	3429	39.9	40.1	40.6	40.2	-	3.0	2.9	3.0	3.1	-
Plumbing and heating, except electric	343	38.8	39.5	40.2	38.8	-	1.7	2.4	2.4	1.9	-
Plumbing fittings and brass goods	3432	38.4	39.3	41.0	40.0	-	1.8	2.4	2.6	2.1	-
Heating equipment, except electric	3433	38.4	39.0	39.1	38.1	-	1.0	1.8	1.9	1.5	-
Fabricated structural metal products	344	39.9	40.3	41.3	40.9	-	2.7	2.9	3.2	3.2	-
Fabricated structural metal	3441	40.2	40.6	41.7	41.9	-	3.1	3.1	3.6	3.8	-
Metal doors, sash, and trim	3442	40.1	39.7	40.8	40.6	-	2.8	2.7	2.8	3.1	-
Fabricated plate work (boiler shops)	3443	39.8	40.8	41.8	40.9	-	2.5	3.1	3.3	2.8	-
Sheet metal work	3444	39.3	39.5	40.5	40.0	-	2.5	2.7	3.1	3.1	-
Architectural metal work	3446	40.2	41.8	41.9	41.1	-	1.5	2.7	3.2	2.7	-
Screw machine products, bolts, etc	345	40.8	41.0	42.6	42.4	-	2.8	3.4	4.6	4.3	-
Screw machine products	3451	39.8	39.9	42.1	41.9	-	2.1	2.8	4.2	4.2	-
Bolts, nuts, rivets, and washers	3452	41.7	42.1	43.2	42.9	-	3.5	4.0	4.9	4.5	-
Metal forgings and stampings	346	41.0	41.9	42.6	41.2	-	3.4	4.0	4.7	4.0	-
Iron and steel forgings	3462	39.8	40.8	42.2	40.5	-	2.5	3.5	4.2	3.5	-
Automotive stampings	3465	42.8	43.3	44.9	42.5	-	4.8	5.1	6.2	5.0	-
Metal stampings, nec	3469	39.3	40.8	40.5	40.0	-	2.5	3.2	3.4	3.1	-
Metal services, nec	347	39.9	40.3	40.9	40.4	-	3.2	3.3	3.5	3.3	-
Plating and polishing	3471	39.8	40.0	40.7	40.2	-	3.0	3.2	3.2	3.1	-
Metal coating and allied services	3479	40.0	41.0	41.5	40.9	-	3.5	3.6	4.2	3.9	-
Ordnance and accessories, nec	348	40.0	40.3	41.2	40.0	-	2.0	2.0	2.8	2.6	-
Ammunition, except for small arms, nec	3483	39.6	40.2	40.7	39.3	-	1.2	1.5	1.8	1.4	-
Misc. fabricated metal products	349	39.5	40.2	41.2	40.4	-	1.9	2.5	3.0	2.6	-
Valves and pipe fittings	3494	39.3	39.5	41.5	40.4	-	1.9	2.2	3.2	2.8	-
Misc. fabricated wire products	3496	39.7	40.3	41.1	40.4	-	2.0	2.7	3.0	2.4	-
Machinery, except electrical											
Engines and turbines	351	40.1	40.2	42.0	41.3	41.4	2.5	2.7	3.7	3.4	-
Turbines and turbine generator sets	3511	40.0	38.2	41.9	43.2	-	2.0	2.7	4.2	3.7	-
Internal combustion engines, nec	3519	37.9	38.3	39.6	39.3	-	2.8	3.1	3.0	3.0	-
Farm and garden machinery	352	40.8	38.2	42.6	44.4	-	1.7	2.6	4.6	3.9	-
Farm machinery and equipment	3523	39.1	39.3	40.7	39.3	-	1.9	1.8	2.7	1.9	-
Farm machinery and equipment	3523	39.0	39.2	40.7	39.3	-	2.0	2.0	2.7	2.0	-

See footnotes at end of table.

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P	July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P
Durable goods—Continued											
Stone, clay, and glass products—Continued											
Glass containers	3221	\$10.43	\$10.45	\$11.05	\$11.11	-	\$428.67	\$428.45	\$454.16	\$455.51	-
Pressed and blown glass, nec	3229	9.50	9.43	9.85	9.89	-	387.60	380.03	402.87	397.58	-
Products of purchased glass	323	8.03	7.90	7.95	8.04	-	326.02	322.32	325.16	331.25	-
Cement, hydraulic	324	13.31	13.19	13.46	13.37	-	556.36	556.62	566.67	553.52	-
Structural clay products	325	7.38	7.35	7.77	7.78	-	303.32	307.23	328.67	329.09	-
Pottery and related products	326	7.76	7.82	8.15	8.20	-	291.78	303.42	319.48	317.34	-
Concrete, gypsum, and plaster products	327	9.21	9.16	9.46	9.57	-	404.32	401.21	420.02	422.99	-
Concrete block and brick	3271	7.68	7.71	8.11	8.17	-	351.74	353.89	364.95	360.30	-
Concrete products, nec	3272	8.07	8.08	8.32	8.47	-	338.94	350.67	358.59	366.75	-
Ready-mixed concrete	3273	10.18	10.13	10.41	10.53	-	449.96	436.60	466.37	470.69	-
Misc. nonmetallic mineral products	329	9.19	9.17	9.47	9.51	-	383.22	384.22	399.63	397.52	-
Abrasive products	3291	8.68	8.59	9.03	9.22	-	355.01	353.05	376.55	381.71	-
Asbestos products	3292	9.03	9.13	9.66	9.55	-	391.90	407.20	421.18	399.19	-
Primary metal industries	33	11.37	11.29	11.46	11.46	\$11.44	460.49	458.37	480.17	474.44	\$471.33
Blast furnaces and basic steel products	331	12.81	12.74	13.02	13.04	13.01	514.96	507.05	536.42	528.12	520.40
Blast furnaces and steel mills	3312	13.27	13.21	13.56	13.60	-	530.80	520.47	554.60	545.36	-
Steel pipe and tubes	3317	10.37	10.37	10.46	10.51	-	412.73	419.99	442.46	442.47	-
Iron and steel foundries	332	9.97	9.92	10.09	10.03	-	399.80	398.78	421.76	414.24	-
Gray iron foundries	3321	10.27	10.16	10.33	10.32	-	412.85	414.53	429.73	426.22	-
Malleable iron foundries	3322	10.62	10.53	10.84	10.83	-	416.30	431.73	448.78	442.95	-
Steel foundries, nec	3325	9.44	9.48	9.67	9.47	-	374.77	361.19	399.37	383.54	-
Primary nonferrous metals	333	13.56	13.46	13.40	13.36	-	554.60	550.51	562.80	563.79	-
Primary aluminum	3334	14.08	13.94	13.93	13.84	-	575.87	563.18	593.42	592.35	-
Nonferrous rolling and drawing	335	10.72	10.66	11.01	10.98	-	448.10	451.98	475.63	473.24	-
Copper rolling and drawing	3351	9.59	9.59	9.98	9.90	-	413.33	417.17	438.12	430.65	-
Aluminum sheet, plate, and foil	3353	14.22	14.23	14.43	13.98	-	590.13	593.39	620.49	587.16	-
Nonferrous wire drawing and insulating	3357	9.92	9.73	10.40	10.61	-	409.70	409.63	445.12	459.41	-
Nonferrous foundries	336	8.86	8.83	8.98	9.02	-	352.63	359.38	378.96	373.43	-
Aluminum foundries	3361	9.05	9.03	9.15	9.15	-	364.72	372.04	387.96	382.47	-
Fabricated metal products	34	9.07	9.09	9.33	9.32	9.30	364.61	369.96	388.13	381.19	382.23
Metal cans and shipping containers	341	12.22	12.25	12.53	12.55	-	525.46	527.98	551.32	555.97	-
Metal cans	3411	12.81	12.84	13.16	13.19	-	555.95	557.26	579.04	584.32	-
Cutlery, hand tools, and hardware	342	8.83	8.80	9.11	9.17	-	352.32	355.52	369.87	366.80	-
Hand and edge tools, and hand saws and blades	3423,5	8.21	8.23	8.46	8.42	-	321.01	334.14	341.78	329.22	-
Hardware, nec	3429	9.14	9.09	9.41	9.50	-	364.69	364.51	382.05	381.90	-
Plumbing and heating, except electric	343	8.04	8.13	8.36	8.34	-	311.95	321.14	336.07	323.59	-
Plumbing fittings and brass goods	3432	7.69	7.84	8.01	8.03	-	295.30	308.11	328.41	321.20	-
Heating equipment, except electric	3433	8.01	8.15	8.36	8.32	-	307.58	317.85	326.88	316.99	-
Fabricated structural metal products	344	8.70	8.74	8.84	8.82	-	347.13	352.22	365.09	360.74	-
Fabricated structural metal	3441	9.35	9.24	9.51	9.49	-	375.87	375.14	396.57	397.63	-
Metal doors, sash, and trim	3442	6.80	6.85	7.08	7.12	-	272.68	271.95	288.86	289.07	-
Fabricated plate work (boiler shops)	3443	9.88	10.05	9.94	9.84	-	393.22	410.04	415.49	402.46	-
Sheet metal work	3444	8.98	8.97	9.04	9.07	-	352.91	354.32	366.12	362.80	-
Architectural metal work	3446	8.65	8.74	9.01	8.88	-	347.73	365.33	377.52	364.97	-
Screw machine products, bolts, etc	345	8.51	8.51	8.69	8.71	-	347.21	348.91	370.19	369.30	-
Screw machine products	3451	7.77	7.79	7.97	7.99	-	309.25	310.82	335.54	334.78	-
Bolts, nuts, rivets, and washers	3452	9.19	9.18	9.43	9.46	-	383.22	386.48	407.38	405.83	-
Metal forgings and stampings	346	10.33	10.29	10.85	10.79	-	423.53	431.15	462.21	444.55	-
Iron and steel forgings	3462	11.39	11.51	11.84	11.86	-	453.32	469.61	499.65	480.33	-
Automotive stampings	3465	12.13	11.96	12.78	12.71	-	519.16	517.87	573.82	540.18	-
Metal stampings, nec	3469	8.09	8.18	8.37	8.35	-	317.94	333.74	338.99	334.00	-
Metal services, nec	347	7.28	7.28	7.51	7.57	-	290.47	293.38	307.16	305.83	-
Plating and polishing	3471	7.17	7.15	7.35	7.45	-	285.37	286.00	299.15	299.49	-
Metal coating and allied services	3479	7.54	7.57	7.88	7.83	-	301.60	310.37	327.02	320.25	-
Ordnance and accessories, nec	348	9.56	9.64	9.86	9.98	-	382.40	388.49	406.23	398.40	-
Ammunition, except for small arms, nec	3483	9.19	9.14	9.36	9.45	-	363.92	367.43	380.95	371.39	-
Misc. fabricated metal products	349	8.50	8.54	8.69	8.69	-	335.75	343.31	358.03	351.08	-
Valves and pipe fittings	3494	9.05	9.08	9.28	9.31	-	355.67	358.66	385.12	376.12	-
Misc. fabricated wire products	3496	7.58	7.63	7.90	7.92	-	300.93	307.49	324.69	319.97	-
Machinery, except electrical	35	9.57	9.54	9.93	9.95	9.93	383.76	383.51	417.06	410.94	411.10
Engines and turbines	351	11.93	11.61	12.82	13.05	-	477.20	451.14	537.16	563.76	-
Turbines and turbine generator sets	3511	11.51	11.57	11.95	12.07	-	436.23	443.13	473.22	474.35	-
Internal combustion engines, nec	3519	12.08	11.92	13.09	13.33	-	492.86	455.34	557.63	591.85	-
Farm and garden machinery	352	9.57	9.33	9.72	9.75	-	374.19	366.67	395.60	383.18	-
Farm machinery and equipment	3523	10.08	9.73	10.30	10.26	-	393.12	381.42	419.21	403.22	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P	July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery	353	39.3	39.7	41.7	40.3	-	2.0	2.2	3.2	2.8	-
Construction machinery	3531	39.8	40.3	42.3	40.6	-	2.0	1.9	2.8	2.2	-
Mining machinery	3532	38.8	39.0	40.2	38.8	-	1.3	1.4	3.1	2.3	-
Oil field machinery	3533	39.0	39.1	41.5	39.7	-	2.1	2.4	3.2	2.9	-
Conveyors and conveying equipment	3535	39.7	40.3	41.9	41.3	-	2.2	2.8	4.1	4.1	-
Industrial trucks and tractors	3537	38.9	39.7	41.4	40.4	-	2.5	2.7	3.8	3.5	-
Metalworking machinery	354	40.1	40.1	42.9	42.3	-	2.9	3.2	4.7	4.5	-
Machine tools, metal cutting types	3541	38.8	38.2	42.3	42.2	-	1.5	1.6	3.5	3.7	-
Machine tools, metal forming types	3542	37.7	37.6	42.5	41.7	-	2.4	2.4	4.4	4.3	-
Special dies, tools, jigs, and fixtures	3544	40.9	41.2	43.7	43.2	-	3.7	4.0	5.4	5.2	-
Machine tool accessories	3545	40.2	39.7	42.6	41.4	-	2.5	2.8	4.2	3.8	-
Power driven hand tools	3546	39.1	39.6	40.8	40.3	-	2.4	3.3	3.8	3.7	-
Special industry machinery	355	40.0	40.3	41.8	41.1	-	2.4	2.6	3.5	3.2	-
Food products machinery	3551	40.4	40.8	41.6	41.4	-	2.3	2.5	2.7	2.8	-
Textile machinery	3552	39.4	40.1	41.5	40.9	-	1.9	2.1	2.9	2.0	-
Printing trades machinery	3555	40.2	40.1	41.7	41.4	-	3.2	2.7	3.2	3.5	-
General industrial machinery	356	40.1	40.5	41.8	41.1	-	2.4	2.8	3.6	3.4	-
Pumps and pumping equipment	3561	39.3	40.1	41.6	40.3	-	2.0	2.2	3.6	3.2	-
Ball and roller bearings	3562	41.6	42.5	43.7	42.7	-	3.0	3.9	4.8	4.1	-
Air and gas compressors	3563	38.1	39.5	40.9	39.2	-	1.6	2.0	2.7	2.7	-
Blowers and fans	3564	40.1	40.6	41.0	41.2	-	2.2	3.3	2.5	2.6	-
Speed changers, drives, and gears	3566	39.4	39.7	40.1	39.8	-	2.1	2.6	3.6	3.1	-
Power transmission equipment, nec	3568	39.5	39.4	41.5	40.5	-	2.1	2.1	3.9	3.3	-
Office and computing machines	357	41.0	41.3	42.1	41.6	-	2.4	2.9	3.0	2.8	-
Electronic computing equipment	3573	41.2	41.4	42.2	41.6	-	2.6	3.1	3.0	2.9	-
Refrigeration and service machinery	358	40.4	40.7	42.3	41.9	-	2.7	2.9	4.2	4.2	-
Refrigeration and heating equipment	3585	40.6	40.7	42.4	42.4	-	2.9	3.1	4.5	4.6	-
Misc. machinery, except electrical	359	39.9	40.2	41.7	41.1	-	2.7	2.8	4.0	3.6	-
Carburetors, pistons, rings, and valves	3592	40.9	41.7	42.1	39.3	-	3.4	3.7	4.1	2.9	-
Machinery, except electrical, nec	3599	39.7	39.9	41.6	41.5	-	2.6	2.6	3.9	3.8	-
Electrical and electronic equipment	36	40.3	40.5	41.0	40.3	40.5	2.5	2.7	3.0	2.9	-
Electric distributing equipment	361	39.0	39.6	41.2	40.0	-	1.7	2.2	2.9	2.8	-
Transformers	3612	39.8	40.0	42.0	40.8	-	1.9	2.2	3.3	3.6	-
Switchgear and switchboard apparatus	3613	38.5	39.4	40.6	39.3	-	1.4	2.2	2.6	2.1	-
Electrical industrial apparatus	362	40.0	40.0	41.1	40.8	-	2.6	2.7	3.1	3.0	-
Motors and generators	3621	41.0	40.8	41.5	41.3	-	3.2	3.1	3.4	3.4	-
Industrial controls	3622	38.4	39.3	40.2	38.8	-	1.6	2.1	2.5	2.0	-
Household appliances	363	39.2	40.4	40.0	39.1	-	1.9	2.2	2.4	2.3	-
Household refrigerators and freezers	3632	39.9	41.7	40.0	39.4	-	1.4	1.5	2.2	2.2	-
Household laundry equipment	3633	40.1	40.4	39.6	40.3	-	2.5	1.8	1.2	2.0	-
Electric housewares and fans	3634	38.6	40.3	40.2	37.5	-	1.6	2.3	2.4	2.1	-
Electric lighting and wiring equipment	364	40.4	40.5	40.9	40.1	-	2.4	2.6	2.9	2.6	-
Electric lamps	3641	41.4	41.9	41.4	40.5	-	1.6	2.2	2.8	2.2	-
Current-carrying wiring devices	3643	41.0	40.2	41.3	40.3	-	2.9	2.6	3.4	2.9	-
Noncurrent-carrying wiring devices	3644	39.0	40.4	40.5	39.4	-	1.9	1.9	2.4	1.8	-
Residential lighting fixtures	3645	39.0	39.2	39.1	37.9	-	1.4	1.9	1.7	1.2	-
Radio and TV receiving equipment	365	39.5	41.2	40.9	39.2	-	2.4	2.9	2.7	2.2	-
Radio and TV receiving sets	3651	39.9	40.9	41.5	39.5	-	2.7	2.9	3.0	2.3	-
Communication equipment	366	40.8	40.6	41.1	40.5	-	2.4	2.5	2.8	2.4	-
Telephone and telegraph apparatus	3661	41.1	41.5	41.2	40.0	-	2.8	3.1	3.2	2.3	-
Radio and TV communication equipment	3662	40.6	40.2	41.1	40.8	-	2.1	2.2	2.5	2.5	-
Electronic components and accessories	367	40.6	40.7	41.3	40.8	-	2.8	3.0	3.5	3.5	-
Electronic tubes	3671-3	41.2	40.8	43.2	41.2	-	2.1	2.1	2.8	2.5	-
Semiconductors and related devices	3674	41.1	41.1	41.9	41.5	-	3.3	3.5	4.2	4.4	-
Electronic components, nec	3679	40.5	40.9	41.0	40.9	-	2.8	3.1	3.4	3.5	-
Misc. electrical equipment and supplies	369	40.6	40.6	40.9	39.8	-	2.8	2.6	3.0	2.6	-
Storage batteries	3691	39.3	42.0	40.2	39.3	-	2.3	2.9	1.4	1.7	-
Engine electrical equipment	3694	41.3	40.6	41.3	40.1	-	3.4	2.7	4.0	3.1	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p	July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery	353	\$10.37	\$10.28	\$10.69	\$10.58	-	\$407.54	\$408.12	\$445.77	\$426.37	-
Construction machinery	3531	11.10	10.99	11.36	11.42	-	441.78	442.90	480.53	463.65	-
Mining machinery	3532	11.12	10.83	11.50	11.74	-	431.46	422.37	462.30	455.51	-
Oil field machinery	3533	10.59	10.49	11.00	10.52	-	413.01	410.16	456.50	417.64	-
Conveyors and conveying equipment	3535	8.99	9.00	9.56	9.52	-	356.90	362.70	400.56	393.18	-
Industrial trucks and tractors	3537	8.99	9.08	9.17	9.05	-	349.71	360.48	379.64	365.62	-
Metalworking machinery	354	9.79	9.75	10.06	10.09	-	392.58	390.98	431.57	426.81	-
Machine tools, metal cutting types	3541	9.88	9.80	10.13	10.17	-	383.34	374.36	428.50	429.17	-
Machine tools, metal forming types	3542	10.47	10.44	10.65	10.63	-	394.72	392.54	452.63	443.27	-
Special dies, tools, jigs, and fixtures	3544	10.34	10.34	10.62	10.61	-	422.91	426.01	464.09	458.35	-
Machine tool accessories	3545	8.99	8.86	9.24	9.25	-	361.40	351.74	393.62	382.95	-
Power driven hand tools	3546	7.73	7.82	7.98	8.14	-	302.24	309.67	325.58	328.04	-
Special industry machinery	355	9.37	9.30	9.67	9.81	-	374.80	374.79	404.21	403.19	-
Food products machinery	3551	9.74	9.73	10.16	10.11	-	393.50	396.98	422.66	418.55	-
Textile machinery	3552	7.29	7.36	7.59	7.58	-	287.23	295.14	314.99	310.02	-
Printing trades machinery	3555	9.83	9.52	9.83	10.48	-	395.17	381.75	409.91	433.87	-
General industrial machinery	356	9.40	9.46	9.71	9.70	-	376.94	383.13	405.88	398.67	-
Pumps and pumping equipment	3561	9.85	9.85	10.29	10.27	-	387.11	394.99	428.06	413.88	-
Ball and roller bearings	3562	9.28	9.39	9.95	10.01	-	386.05	399.08	434.82	427.43	-
Air and gas compressors	3563	9.84	9.94	9.61	9.64	-	374.90	392.63	393.05	377.89	-
Blowers and fans	3564	8.87	8.82	8.82	8.77	-	355.69	358.09	361.62	361.32	-
Speed changers, drives, and gears	3566	9.89	10.03	10.39	10.43	-	389.67	398.19	416.64	415.11	-
Power transmission equipment, nec	3568	9.41	9.35	9.85	9.78	-	371.70	368.39	408.78	396.09	-
Office and computing machines	357	8.57	8.61	8.92	8.95	-	351.37	355.59	375.53	372.32	-
Electronic computing equipment	3573	8.52	8.59	8.90	8.91	-	351.02	355.63	375.58	370.66	-
Refrigeration and service machinery	358	9.20	9.29	9.66	9.78	-	371.68	378.10	408.62	409.78	-
Refrigeration and heating equipment	3585	9.51	9.58	9.94	10.10	-	386.11	389.91	421.46	428.24	-
Misc. machinery, except electrical	359	9.50	9.53	9.73	9.66	-	379.05	383.11	405.74	397.03	-
Carburetors, pistons, rings, and valves	3592	10.97	11.06	11.64	11.56	-	448.67	461.20	490.04	454.31	-
Machinery, except electrical, nec	3599	9.24	9.24	9.38	9.34	-	366.83	368.68	390.21	387.61	-
Electrical and electronic equipment	36	8.67	8.62	8.91	8.95	\$8.99	349.40	349.11	365.31	360.69	\$364.10
Electric distributing equipment	361	8.27	8.28	8.57	8.56	-	322.53	327.89	353.08	342.40	-
Transformers	3612	8.15	8.19	8.48	8.54	-	324.37	327.60	356.16	348.43	-
Switchgear and switchboard apparatus	3613	8.37	8.35	8.64	8.58	-	322.25	328.99	350.78	337.19	-
Electrical industrial apparatus	362	8.78	8.76	9.00	9.10	-	351.20	350.40	369.90	371.28	-
Motors and generators	3621	8.78	8.74	9.04	9.12	-	359.98	356.59	375.16	376.66	-
Industrial controls	3622	8.60	8.57	8.72	8.88	-	330.24	336.80	350.54	344.54	-
Household appliances	363	8.66	8.56	8.80	8.98	-	339.47	345.82	352.00	351.12	-
Household refrigerators and freezers	3632	9.69	9.77	10.22	10.27	-	386.63	407.41	408.80	404.64	-
Household laundry equipment	3633	10.17	10.14	10.54	10.50	-	407.82	409.66	417.38	423.15	-
Electric housewares and fans	3634	6.64	6.62	6.72	6.81	-	256.30	266.79	270.14	255.38	-
Electric lighting and wiring equipment	364	8.13	8.06	8.39	8.38	-	328.45	326.43	343.15	336.04	-
Electric lamps	3641	9.24	9.21	9.51	9.50	-	382.54	385.90	393.71	384.75	-
Current-carrying wiring devices	3643	7.60	7.56	7.84	7.80	-	311.60	303.91	323.79	314.34	-
Noncurrent-carrying wiring devices	3644	8.36	8.36	8.71	8.82	-	326.04	337.74	352.76	347.51	-
Residential lighting fixtures	3645	6.27	6.18	6.57	6.51	-	244.53	242.26	256.89	246.73	-
Radio and TV receiving equipment	365	8.38	8.33	8.67	8.68	-	331.01	343.20	354.60	340.26	-
Radio and TV receiving sets	3651	8.62	8.57	8.93	8.98	-	343.94	350.51	370.60	354.71	-
Communication equipment	366	10.31	10.30	10.71	10.71	-	420.65	418.18	440.18	433.76	-
Telephone and telegraph apparatus	3661	10.30	10.20	10.60	10.51	-	423.33	423.30	436.72	420.40	-
Radio and TV communication equipment	3662	10.31	10.35	10.77	10.81	-	418.59	416.07	442.65	441.05	-
Electronic components and accessories	367	7.53	7.55	7.77	7.79	-	305.72	307.29	320.90	317.83	-
Electronic tubes	3671-3	9.57	9.66	10.00	10.05	-	394.28	394.13	432.00	414.06	-
Semiconductors and related devices	3674	8.62	8.72	9.14	9.16	-	354.28	358.39	382.97	380.14	-
Electronic components, nec	3679	6.98	6.96	7.12	7.14	-	282.69	284.66	291.92	292.03	-
Misc. electrical equipment and supplies	369	9.35	9.30	9.78	9.79	-	379.61	377.58	400.00	389.64	-
Storage batteries	3691	9.68	9.87	10.23	10.29	-	380.42	414.54	411.25	404.40	-
Engine electrical equipment	3694	9.94	9.81	10.54	10.39	-	410.52	398.29	435.30	416.64	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p	July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p
Durable goods—Continued											
Transportation equipment	37	41.7	41.2	42.8	41.9	41.7	3.8	3.6	4.6	4.3	-
Motor vehicles and equipment	371	43.0	42.2	44.0	42.8	42.6	4.8	4.5	5.6	5.0	-
Motor vehicles and car bodies	3711	42.9	40.9	44.0	42.9	-	4.9	3.9	6.2	5.3	-
Truck and bus bodies	3713	40.1	40.4	40.6	41.1	-	2.3	2.4	3.1	3.4	-
Motor vehicle parts and accessories	3714	43.4	43.8	44.5	43.1	-	5.1	5.3	5.6	5.2	-
Truck trailers	3715	41.2	40.8	42.0	40.5	-	2.6	3.1	4.2	3.0	-
Aircraft and parts	372	40.5	40.6	41.7	41.6	-	2.9	2.9	3.8	4.0	-
Aircraft	3721	40.1	40.3	-	-	-	2.1	2.3	-	-	-
Aircraft engines and engine parts	3724	40.4	40.6	41.5	42.3	-	3.7	3.4	4.7	5.4	-
Aircraft equipment, nec	3728	41.2	41.1	42.4	41.5	-	3.5	3.4	4.1	4.0	-
Ship and boat building and repairing	373	40.0	39.3	40.8	40.2	-	2.7	2.3	3.2	3.1	-
Ship building and repairing	3731	40.3	39.5	40.7	40.2	-	2.8	2.5	3.3	3.4	-
Boat building and repairing	3732	39.0	38.9	41.2	40.3	-	2.2	1.8	2.7	2.4	-
Railroad equipment	374	39.3	37.7	41.0	-	-	2.7	1.8	2.9	-	-
Guided missiles, space vehicles, and parts	376	40.9	41.4	42.0	40.5	-	3.2	3.6	3.5	2.9	-
Guided missiles and space vehicles	3761	41.1	41.6	42.4	40.6	-	3.5	3.9	3.8	3.0	-
Miscellaneous transportation equipment	379	39.7	39.4	40.0	40.0	-	2.6	2.5	2.8	2.8	-
Travel trailers and campers	3792	39.8	38.7	37.6	37.9	-	3.2	2.4	1.8	1.9	-
Instruments and related products	38	40.1	40.3	41.3	40.7	40.5	1.9	2.1	2.5	2.3	-
Engineering and scientific instruments	381	41.2	41.1	41.3	41.0	-	2.1	2.3	2.5	2.4	-
Measuring and controlling devices	382	39.7	40.0	41.4	40.7	-	1.5	1.8	2.5	2.2	-
Environmental controls	3822	38.9	39.3	40.9	40.1	-	2.0	2.3	2.0	1.8	-
Process control instruments	3823	39.6	38.8	42.2	40.3	-	1.2	1.2	3.0	2.5	-
Instruments to measure electricity	3825	39.8	40.8	40.9	40.6	-	1.4	1.4	2.1	1.8	-
Optical instruments and lenses	383	42.5	42.4	43.4	42.7	-	2.6	2.6	3.6	3.7	-
Medical instruments and supplies	384	39.6	39.9	40.2	39.3	-	2.1	2.4	2.3	2.1	-
Surgical and medical instruments	3841	39.5	40.3	39.6	38.4	-	2.0	2.3	2.2	2.0	-
Surgical appliances and supplies	3842	39.7	39.6	40.7	39.9	-	2.2	2.6	2.4	2.2	-
Ophthalmic goods	385	39.8	40.0	40.1	40.3	-	1.5	1.9	1.7	2.0	-
Photographic equipment and supplies	386	41.2	40.6	42.8	42.5	-	1.9	1.9	2.7	2.6	-
Watches, clocks, and watchcases	387	39.8	41.0	41.0	39.9	-	2.5	2.9	3.0	2.7	-
Miscellaneous manufacturing	39	38.7	39.0	39.2	38.9	39.2	1.6	1.9	2.0	1.9	-
Jewelry, silverware, and plated ware	391	37.3	37.9	37.4	36.6	-	.7	1.4	1.0	.7	-
Jewelry, precious metal	3911	36.1	36.8	37.1	35.7	-	.7	1.1	1.0	.6	-
Musical instruments	393	39.6	40.4	39.1	39.7	-	1.2	1.9	1.2	.8	-
Toys and sporting goods	394	38.9	39.3	39.7	39.2	-	1.7	1.9	2.4	2.1	-
Dolls, games, toys, and children's vehicles	3942,4	38.5	38.9	38.6	38.2	-	1.4	1.8	1.9	1.6	-
Sporting and athletic goods, nec	3949	39.5	39.7	40.7	40.2	-	2.1	1.9	2.9	2.7	-
Pens, pencils, office, and art supplies	395	40.0	40.5	40.7	40.8	-	2.0	2.1	2.6	2.9	-
Costume jewelry and notions	396	35.9	36.4	37.3	37.0	-	1.4	1.9	1.7	1.5	-
Costume jewelry	3961	33.3	34.3	35.6	36.0	-	1.7	1.5	1.2	1.4	-
Miscellaneous manufactures	399	39.5	39.4	39.5	39.3	-	1.9	2.0	2.1	2.2	-
Signs and advertising displays	3993	39.5	39.7	39.6	39.1	-	2.0	2.0	2.6	2.5	-
Nondurable goods		39.4	39.7	39.8	39.4	39.5	3.0	3.3	3.2	3.1	3.2
Food and kindred products	20	39.5	40.0	40.0	39.7	40.0	3.7	4.2	3.8	3.9	-
Meat products	201	39.8	39.5	39.9	40.1	-	3.5	3.6	3.6	3.6	-
Meat packing plants	2011	41.5	41.1	41.1	40.9	-	4.4	4.5	4.2	3.9	-
Sausages and other prepared meats	2013	40.8	40.4	40.3	40.3	-	3.7	3.7	3.7	3.9	-
Poultry dressing plants	2016	37.5	37.3	38.6	39.3	-	2.5	2.5	3.1	3.2	-
Dairy products	202	42.1	41.7	41.7	41.7	-	4.5	4.3	4.5	4.3	-
Cheese, natural and processed	2022	39.8	39.1	40.3	40.5	-	3.2	3.1	3.6	3.4	-
Fluid milk	2026	42.8	42.3	42.3	42.5	-	5.0	4.7	4.9	4.9	-
Preserved fruits and vegetables	203	36.8	40.5	38.7	37.6	-	3.4	5.5	3.6	4.1	-
Canned specialties	2032	39.6	44.0	41.0	41.0	-	3.0	6.6	4.6	4.9	-
Canned fruits and vegetables	2033	36.7	40.4	38.6	37.3	-	3.7	5.9	3.8	4.4	-
Frozen fruits and vegetables	2037	35.8	41.0	37.8	36.1	-	3.4	5.2	4.0	4.0	-
Grain mill products	204	43.2	43.0	42.8	42.6	-	5.6	5.6	5.1	5.2	-
Flour and other grain mill products	2041	46.8	46.2	44.6	44.0	-	6.5	6.7	5.8	5.3	-
Prepared feeds, nec	2048	43.9	42.9	42.8	43.3	-	6.4	5.8	5.3	6.0	-
Bakery products	205	38.5	38.0	38.7	38.8	-	3.3	2.8	3.3	3.0	-
Bread, cake, and related products	2051	38.1	37.6	38.2	38.2	-	3.5	3.0	3.6	3.3	-
Cookies and crackers	2052	39.4	39.0	40.0	40.3	-	2.6	2.4	2.3	2.1	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p	July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p
Durable goods—Continued											
Transportation equipment	37	\$11.60	\$11.52	\$12.14	\$12.15	\$12.11	\$483.72	\$474.62	\$519.59	\$509.09	\$504.99
Motor vehicles and equipment	371	12.05	11.92	12.67	12.64	12.60	518.15	503.02	557.48	540.99	536.76
Motor vehicles and car bodies	3711	13.22	13.06	14.16	14.20	-	567.14	534.15	623.04	609.18	-
Truck and bus bodies	3713	9.00	8.88	9.74	9.84	-	360.90	358.75	395.44	404.42	-
Motor vehicle parts and accessories	3714	11.57	11.56	12.11	12.05	-	502.14	506.33	538.90	519.36	-
Truck trailers	3715	8.55	8.58	8.98	8.93	-	352.26	350.06	377.16	361.67	-
Aircraft and parts	372	11.84	11.83	12.31	12.36	-	479.52	480.30	513.33	514.18	-
Aircraft	3721	12.57	12.55	-	-	-	504.06	505.77	-	-	-
Aircraft engines and engine parts	3724	11.72	11.67	12.31	12.42	-	473.49	473.80	510.87	525.37	-
Aircraft equipment, nec	3728	10.73	10.75	11.23	11.26	-	442.08	441.83	476.15	467.29	-
Ship and boat building and repairing	373	9.89	9.72	10.21	10.30	-	395.60	382.00	416.57	414.06	-
Ship building and repairing	3731	10.60	10.44	11.13	11.21	-	427.18	412.38	452.99	450.64	-
Boat building and repairing	3732	7.56	7.53	7.76	7.74	-	294.84	292.92	319.71	311.92	-
Railroad equipment	374	11.91	12.33	12.21	-	-	468.06	464.84	500.61	-	-
Guided missiles, space vehicles, and parts	376	11.57	11.59	11.86	11.78	-	473.21	479.83	498.12	477.09	-
Guided missiles and space vehicles	3761	11.85	11.84	12.07	11.97	-	487.04	492.54	511.77	485.98	-
Miscellaneous transportation equipment	379	9.20	9.23	9.69	9.68	-	365.24	363.66	387.60	387.20	-
Travel trailers and campers	3792	8.00	8.21	8.56	8.44	-	318.40	317.73	321.86	319.88	-
Instruments and related products	38	8.49	8.45	8.78	8.83	8.79	340.45	340.54	362.61	359.38	356.00
Engineering and scientific instruments	381	9.01	8.97	9.37	9.42	-	371.21	368.67	386.98	386.22	-
Measuring and controlling devices	382	8.41	8.47	8.69	8.70	-	333.88	338.80	359.77	354.09	-
Environmental controls	3822	7.94	7.96	8.21	8.08	-	308.87	312.83	335.79	324.01	-
Process control instruments	3823	8.54	8.56	8.75	8.71	-	338.18	332.13	369.25	351.01	-
Instruments to measure electricity	3825	8.59	8.73	8.96	9.05	-	341.88	356.18	366.46	367.43	-
Optical instruments and lenses	383	9.57	9.34	9.84	10.03	-	406.73	396.02	427.06	428.28	-
Medical instruments and supplies	384	7.35	7.37	7.71	7.76	-	291.06	294.06	309.94	304.97	-
Surgical and medical instruments	3841	7.38	7.37	7.83	7.86	-	291.51	297.01	310.07	301.82	-
Surgical appliances and supplies	3842	7.32	7.37	7.60	7.70	-	290.60	291.85	309.32	307.23	-
Ophthalmic goods	385	6.39	6.42	6.59	6.56	-	254.32	256.80	264.26	264.37	-
Photographic equipment and supplies	386	11.17	11.01	11.39	11.48	-	460.20	447.01	487.49	487.90	-
Watches, clocks, and watchcases	387	6.46	6.34	6.59	6.64	-	257.11	259.94	270.19	264.94	-
Miscellaneous manufacturing	39	6.80	6.79	6.98	7.02	7.02	263.16	264.81	273.62	273.08	275.18
Jewelry, silverware, and plated ware	391	7.21	7.26	7.52	7.51	-	268.93	275.15	281.25	274.87	-
Jewelry, precious metal	3911	7.09	7.18	7.55	7.49	-	255.95	264.22	280.11	267.39	-
Musical instruments	393	6.61	6.62	6.85	6.76	-	261.76	267.45	267.84	268.37	-
Toys and sporting goods	394	6.25	6.20	6.40	6.38	-	243.13	243.66	254.08	250.10	-
Dolls, games, toys, and children's vehicles	3942,4	5.97	5.89	6.13	6.10	-	229.85	229.12	236.62	233.02	-
Sporting and athletic goods, nec	3949	6.53	6.54	6.64	6.65	-	257.94	259.64	270.25	267.33	-
Pens, pencils, office, and art supplies	395	6.99	7.01	7.27	7.41	-	279.60	283.91	295.89	302.33	-
Costume jewelry and notions	396	5.69	5.75	5.76	5.81	-	204.27	209.30	214.85	214.97	-
Costume jewelry	3961	5.21	5.26	5.21	5.30	-	173.49	180.42	185.48	190.80	-
Miscellaneous manufactures	399	7.42	7.40	7.67	7.75	-	293.09	291.56	302.97	304.58	-
Signs and advertising displays	3993	8.03	8.05	8.22	8.18	-	317.19	319.59	325.51	319.84	-
Nondurable goods											
Food and kindred products	20	8.12	8.06	8.33	8.39	8.36	319.93	319.98	331.53	330.57	330.22
Meat products	201	7.37	7.34	7.28	7.24	-	293.33	289.93	290.47	290.32	-
Meat packing plants	2011	8.47	8.46	8.18	8.12	-	351.51	347.71	336.20	332.11	-
Sausages and other prepared meats	2013	9.10	9.10	9.08	9.04	-	371.28	367.64	365.92	364.31	-
Poultry dressing plants	2016	5.32	5.31	5.54	5.55	-	199.50	198.06	213.84	218.12	-
Dairy products	202	8.53	8.49	8.72	8.77	-	359.11	354.03	363.62	365.71	-
Cheese, natural and processed	2022	8.13	8.17	8.33	8.34	-	323.57	319.45	335.70	337.77	-
Fluid milk	2026	8.81	8.79	8.93	9.00	-	377.07	371.82	377.74	382.50	-
Preserved fruits and vegetables	203	7.34	7.37	7.70	7.67	-	270.11	298.49	297.99	288.39	-
Canned specialties	2032	8.66	8.80	9.15	9.13	-	342.94	387.20	375.15	374.33	-
Canned fruits and vegetables	2033	7.16	7.42	7.84	7.79	-	262.77	299.77	302.62	290.57	-
Frozen fruits and vegetables	2037	7.16	6.79	7.17	7.05	-	256.33	278.39	271.03	254.51	-
Grain mill products	204	9.67	9.69	10.16	10.12	-	417.74	416.67	434.85	431.11	-
Flour and other grain mill products	2041	9.72	9.87	10.00	9.93	-	454.90	455.99	446.00	436.92	-
Prepared feeds, nec	2048	7.38	7.31	7.47	7.56	-	323.98	313.60	319.72	327.35	-
Bakery products	205	8.92	8.94	9.37	9.43	-	343.42	339.72	362.62	365.88	-
Bread, cake, and related products	2051	9.02	9.00	9.41	9.45	-	343.66	338.40	359.46	360.99	-
Cookies and crackers	2052	8.66	8.80	9.28	9.38	-	341.20	343.20	371.20	378.01	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P	July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P
Nondurable goods—Continued											
Food and kindred products—Continued											
Sugar and confectionery products	206	39.8	40.4	40.3	39.8	-	2.5	3.1	2.7	2.7	-
Cane and beet sugar	2061-3	42.3	42.9	41.9	42.6	-	4.9	4.9	3.8	4.8	-
Confectionery products	2065	38.5	39.2	39.5	36.3	-	1.5	2.3	2.2	1.9	-
Fats and oils	207	42.0	42.1	43.1	42.0	-	4.9	5.4	5.1	4.6	-
Beverages	208	41.6	41.0	41.5	41.1	-	4.6	4.2	4.5	4.4	-
Malt beverages	2082	44.2	43.5	43.6	43.8	-	6.3	5.9	5.9	6.1	-
Bottled and canned soft drinks	2086	41.3	41.0	41.4	40.9	-	4.5	4.1	4.8	4.2	-
Misc. food and kindred products	209	37.6	37.5	38.1	38.3	-	3.3	3.6	3.8	4.5	-
Tobacco manufactures	21	36.8	37.6	40.5	37.3	39.3	1.2	1.4	2.4	1.2	-
Cigarettes	211	36.7	37.7	41.0	37.7	-	1.1	1.1	2.7	1.1	-
Textile mill products	22	40.2	41.1	40.4	39.3	39.5	3.5	4.0	3.5	2.9	-
Weaving mills, cotton	221	40.4	41.0	40.4	39.2	-	3.8	4.0	3.8	3.1	-
Weaving mills, synthetics	222	41.1	41.6	40.8	40.3	-	4.1	4.2	3.4	2.9	-
Weaving and finishing mills, wool	223	39.9	41.0	41.7	39.8	-	4.3	4.2	4.2	3.6	-
Narrow fabric mills	224	40.2	40.1	40.7	39.3	-	1.8	2.7	2.5	1.6	-
Knitting mills	225	38.8	39.7	38.9	38.3	-	2.9	3.2	2.7	2.5	-
Women's hosiery, except socks	2251	40.8	41.0	38.5	38.1	-	3.7	3.8	2.2	2.2	-
Hosiery, nec	2252	39.3	39.2	38.8	38.5	-	2.9	2.7	2.4	2.6	-
Knit outerwear mills	2253	36.9	36.2	37.8	37.3	-	2.2	2.8	2.5	2.3	-
Knit underwear mills	2254	35.7	36.0	38.4	38.1	-	1.3	1.8	1.7	1.6	-
Circular knit fabric mills	2257	41.7	42.4	41.2	39.4	-	4.3	4.5	4.1	3.1	-
Textile finishing, except wool	226	39.5	41.6	41.5	38.7	-	3.5	4.5	4.0	3.1	-
Finishing plants, cotton	2261	39.7	41.4	41.4	38.4	-	3.4	4.3	3.9	3.3	-
Finishing plants, synthetics	2262	38.2	41.1	40.8	37.1	-	3.8	4.6	4.0	3.1	-
Floor covering mills	227	42.0	42.9	42.5	40.1	-	4.9	5.3	5.0	4.0	-
Yarn and thread mills	228	41.0	41.4	39.9	39.0	-	3.4	4.0	3.3	2.9	-
Yarn mills, except wool	2281	41.7	42.0	40.4	39.4	-	3.8	4.5	3.6	3.0	-
Throwing and winding mills	2282	37.6	38.8	37.4	36.8	-	2.6	3.1	2.7	2.4	-
Miscellaneous textile goods	229	41.6	43.4	42.8	41.6	-	3.7	4.9	4.2	3.4	-
Apparel and other textile products	23	36.1	36.6	36.8	36.1	36.1	1.1	1.4	1.4	1.1	-
Men's and boys' suits and coats	231	36.1	35.9	36.4	36.7	-	.9	.9	1.1	1.0	-
Men's and boys' furnishings	232	37.5	37.9	38.1	36.8	-	1.0	1.3	1.5	1.0	-
Men's and boys' shirts and nightwear	2321	36.8	37.3	38.1	36.6	-	.9	1.2	1.4	.9	-
Men's and boys' separate trousers	2327	37.6	37.1	37.8	36.9	-	1.1	1.3	1.5	.9	-
Men's and boys' work clothing	2328	38.1	38.7	38.1	37.4	-	1.1	1.4	1.5	1.2	-
Women's and misses' outerwear	233	34.2	34.7	34.6	34.3	-	1.1	1.2	1.1	.9	-
Women's and misses' blouses and waists	2331	35.4	35.0	35.1	35.3	-	1.0	1.1	1.1	.7	-
Women's and misses' dresses	2335	32.2	33.0	32.5	32.8	-	.9	.9	.8	.7	-
Women's and misses' suits and coats	2337	34.7	35.1	35.5	34.7	-	1.1	1.4	1.2	.9	-
Women's and misses' outerwear, nec	2339	35.2	35.8	35.8	34.8	-	1.3	1.4	1.4	1.2	-
Women's and children's undergarments	234	36.2	37.0	37.1	36.2	-	1.2	1.5	1.3	1.3	-
Women's and children's underwear	2341	36.7	37.2	37.2	36.0	-	1.3	1.6	1.2	1.2	-
Brassieres and allied garments	2342	33.8	36.2	36.7	36.9	-	.7	1.1	1.8	1.5	-
Children's outerwear	236	35.8	35.4	37.4	36.2	-	1.0	.9	1.5	.7	-
Children's dresses and blouses	2361	35.4	35.1	36.5	35.3	-	.9	.8	1.4	1.0	-
Misc. apparel and accessories	238	36.1	36.3	37.5	37.6	-	1.1	1.4	1.2	.8	-
Misc. fabricated textile products	239	38.1	39.2	38.9	37.6	-	1.7	2.2	2.4	1.7	-
Curtains and draperies	2391	37.6	39.2	37.7	35.6	-	1.4	1.6	1.3	.7	-
House furnishings, nec	2392	37.8	39.3	37.8	37.3	-	1.8	2.7	2.0	1.6	-
Automotive and apparel trimmings	2396	39.2	40.6	42.1	40.0	-	2.7	3.4	4.8	2.5	-
Paper and allied products	26	42.7	42.8	43.1	43.2	43.2	4.8	4.9	4.9	5.3	-
Paper and pulp mills	261,2,6	44.7	44.4	45.0	45.1	-	6.8	6.5	6.7	7.1	-
Paper mills, except building paper	262	45.0	44.6	45.2	45.4	-	6.9	6.6	6.8	7.3	-
Paperboard mills	263	43.6	43.4	44.4	45.6	-	7.2	7.0	7.5	8.7	-
Misc. converted paper products	264	41.3	41.7	41.4	41.5	-	3.0	3.3	2.9	3.3	-
Paper coating and glazing	2641	43.0	42.8	42.1	42.3	-	3.3	3.2	2.8	3.2	-
Envelopes	2642	39.0	40.1	41.0	40.7	-	2.0	3.0	2.9	3.2	-
Bags, except textile bags	2643	41.7	42.3	42.2	42.3	-	3.2	3.9	3.4	3.9	-
Paperboard containers and boxes	265	41.7	42.1	42.5	42.2	-	4.0	4.3	4.3	4.4	-
Folding paperboard boxes	2651	41.6	41.4	43.0	42.9	-	3.6	3.6	4.4	4.6	-
Corrugated and solid fiber boxes	2653	42.5	43.7	43.0	42.5	-	4.7	5.3	4.8	4.8	-
Sanitary food containers	2654	42.7	42.0	43.4	42.7	-	4.2	3.8	4.9	5.3	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^a	Aug. 1984 ^b	July 1983	Aug. 1983	June 1984	July 1984 ^a	Aug. 1984 ^b
Nondurable goods—Continued											
Food and kindred products—Continued											
Sugar and confectionery products	206	\$8.17	\$8.15	\$8.47	\$8.58	-	\$325.17	\$329.26	\$341.34	\$341.48	-
Cane and beet sugar	2061-3	9.84	9.84	9.97	10.16	-	416.23	422.14	417.74	432.82	-
Confectionery products	2065	7.03	7.02	7.40	7.45	-	270.66	275.18	292.30	285.34	-
Fats and oils	207	8.98	9.03	8.92	8.99	-	377.16	380.16	384.45	377.58	-
Beverages	208	10.45	10.44	11.02	11.05	-	434.72	428.04	457.33	454.16	-
Malt beverages	2082	14.02	14.01	15.09	15.14	-	619.68	609.44	657.92	663.13	-
Bottled and canned soft drinks	2086	7.94	7.99	8.46	8.40	-	327.92	327.59	350.23	343.56	-
Misc. food and kindred products	209	7.34	7.33	7.58	7.59	-	275.98	274.88	288.80	290.70	-
Tobacco manufactures	21	10.90	10.26	11.92	11.54	\$11.04	401.12	385.78	482.76	430.44	\$433.87
Cigarettes	211	12.40	12.49	13.86	13.46	-	455.08	470.87	568.26	507.44	-
Textile mill products	22	6.17	6.19	6.43	6.43	6.46	248.03	254.41	259.77	252.70	255.17
Weaving mills, cotton	221	6.45	6.44	6.76	6.69	-	260.58	264.04	273.10	262.25	-
Weaving mills, synthetics	222	6.62	6.63	6.91	6.93	-	272.08	275.81	281.93	279.28	-
Weaving and finishing mills, wool	223	6.54	6.59	6.84	6.87	-	260.95	270.19	285.23	273.43	-
Narrow fabric mills	224	5.84	5.87	6.08	6.08	-	234.77	235.39	247.46	238.94	-
Knitting mills	225	5.64	5.69	5.88	5.88	-	218.83	225.89	228.73	225.20	-
Women's hosiery, except socks	2251	5.45	5.58	5.64	5.65	-	222.36	228.78	217.14	215.27	-
Hosiery, nec	2252	5.41	5.40	5.61	5.66	-	212.61	211.68	217.67	217.91	-
Knit outerwear mills	2253	5.46	5.55	5.77	5.80	-	201.47	212.01	218.11	216.34	-
Knit underwear mills	2254	5.25	5.34	5.52	5.49	-	187.43	202.92	211.97	209.17	-
Circular knit fabric mills	2257	6.38	6.38	6.54	6.55	-	266.05	270.51	269.45	258.07	-
Textile finishing, except wool	226	6.54	6.58	6.80	6.81	-	258.33	273.73	282.20	263.55	-
Finishing plants, cotton	2261	6.61	6.66	6.85	6.87	-	262.42	275.72	283.59	263.81	-
Finishing plants, synthetics	2262	6.81	6.84	7.32	7.35	-	260.14	281.12	298.66	272.69	-
Floor covering mills	227	6.38	6.37	6.58	6.64	-	267.96	273.27	279.65	266.26	-
Yarn and thread mills	228	5.80	5.82	6.04	6.04	-	237.80	240.95	241.00	235.56	-
Yarn mills, except wool	2281	5.77	5.83	6.03	6.04	-	240.61	244.86	243.61	237.98	-
Throwing and winding mills	2282	5.68	5.62	5.91	5.86	-	213.57	218.06	221.03	215.65	-
Miscellaneous textile goods	229	6.86	6.88	7.12	7.11	-	285.38	298.59	304.74	295.78	-
Apparel and other textile products	23	5.35	5.35	5.50	5.51	5.54	193.14	195.81	202.40	198.91	199.99
Men's and boys' suits and coats	231	6.31	6.17	6.56	6.56	-	227.79	221.50	238.78	240.75	-
Men's and boys' furnishings	232	4.91	4.92	5.06	5.04	-	184.13	186.47	192.79	185.47	-
Men's and boys' shirts and nightwear	2321	4.73	4.72	4.85	4.88	-	174.06	176.06	184.79	178.61	-
Men's and boys' separate trousers	2327	5.03	5.03	5.14	5.11	-	189.13	186.61	194.29	188.56	-
Men's and boys' work clothing	2328	4.88	4.90	5.09	5.04	-	185.93	189.63	193.93	188.50	-
Women's and misses' outerwear	233	5.34	5.34	5.44	5.48	-	182.63	185.30	188.22	187.96	-
Women's and misses' blouses and waists	2331	4.85	4.91	5.00	5.01	-	171.69	171.85	175.50	176.85	-
Women's and misses' dresses	2335	5.63	5.57	5.68	5.74	-	181.29	183.81	184.60	188.27	-
Women's and misses' suits and coats	2337	5.98	5.99	6.09	6.20	-	207.51	210.25	216.20	215.14	-
Women's and misses' outerwear, nec	2339	5.06	5.05	5.18	5.18	-	178.11	180.79	185.44	180.26	-
Women's and children's undergarments	234	4.85	4.88	4.99	5.02	-	175.57	180.56	185.13	181.72	-
Women's and children's underwear	2341	4.75	4.79	4.88	4.91	-	174.33	178.19	181.54	176.76	-
Brassieres and allied garments	2342	5.38	5.37	5.51	5.54	-	181.84	194.39	202.22	204.43	-
Children's outerwear	236	4.76	4.78	4.97	4.96	-	170.41	169.21	185.88	179.55	-
Children's dresses and blouses	2361	4.74	4.73	4.91	4.90	-	167.80	166.02	179.22	172.97	-
Misc. apparel and accessories	238	5.28	5.34	5.32	5.27	-	190.61	193.84	199.50	198.15	-
Misc. fabricated textile products	239	6.22	6.22	6.51	6.45	-	236.98	243.82	253.24	242.52	-
Curtains and draperies	2391	4.88	4.92	5.18	5.23	-	183.49	192.86	195.29	186.19	-
House furnishings, nec	2392	5.37	5.45	5.61	5.59	-	202.99	214.19	212.06	208.51	-
Automotive and apparel trimmings	2396	10.11	9.91	10.23	9.98	-	396.31	402.35	430.68	399.20	-
Paper and allied products	26	10.07	10.03	10.42	10.54	10.50	429.99	429.28	449.10	455.33	453.60
Paper and pulp mills	261,2,6	11.90	11.83	12.41	12.52	-	531.93	525.25	558.45	564.65	-
Paper mills, except building paper	262	11.93	11.85	12.41	12.55	-	536.85	528.51	560.93	569.77	-
Paperboard mills	263	12.30	12.32	12.89	13.25	-	536.28	534.69	572.32	604.20	-
Misc. converted paper products	264	8.78	8.77	9.02	9.11	-	362.61	365.71	373.43	378.07	-
Paper coating and glazing	2641	9.84	9.91	10.36	10.35	-	423.12	424.15	436.16	437.81	-
Envelopes	2642	8.09	8.06	8.27	8.28	-	315.51	323.21	339.07	337.00	-
Bags, except textile bags	2643	8.19	8.27	8.45	8.65	-	341.52	349.82	356.59	365.90	-
Paperboard containers and boxes	265	8.67	8.66	8.92	8.95	-	361.54	364.59	379.10	377.69	-
Folding paperboard boxes	2651	8.95	8.88	9.23	9.17	-	372.32	367.63	396.89	393.39	-
Corrugated and solid fiber boxes	2653	8.98	8.98	9.22	9.29	-	381.65	392.43	396.46	394.83	-
Sanitary food containers	2654	8.22	8.27	8.62	8.57	-	350.99	347.34	374.11	365.94	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p	July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p
Nondurable goods—Continued											
Printing and publishing	27	37.5	37.7	37.6	37.6	37.8	2.5	2.8	2.5	2.5	-
Newspapers	271	33.5	33.7	33.9	33.9	-	1.5	1.5	1.6	1.6	-
Periodicals	272	37.7	38.0	37.2	38.0	-	1.8	2.9	2.2	2.3	-
Books	273	38.1	39.3	38.6	38.4	-	2.7	3.3	2.3	2.5	-
Book publishing	2731	37.1	37.9	36.6	36.6	-	1.3	1.7	1.2	1.5	-
Book printing	2732	39.5	41.2	41.3	40.6	-	4.5	5.5	3.9	3.8	-
Miscellaneous publishing	274	36.0	35.9	36.6	35.8	-	1.7	1.8	1.6	1.4	-
Commercial printing	275	38.9	38.9	38.6	38.8	-	2.9	3.3	2.9	2.9	-
Commercial printing, letterpress	2751	38.7	38.3	38.5	38.5	-	2.6	2.8	2.7	2.7	-
Commercial printing, lithographic	2752	38.9	39.1	38.5	38.7	-	3.0	3.5	2.9	2.9	-
Manifold business forms	276	41.5	41.3	41.4	41.1	-	3.7	3.7	3.5	3.3	-
Blankbooks and bookbinding	278	38.7	39.1	39.5	39.3	-	1.8	2.0	2.3	2.5	-
Printing trade services	279	39.1	38.9	39.1	39.1	-	3.8	4.2	3.5	3.7	-
Chemicals and allied products	28	41.6	41.4	42.0	41.7	41.7	3.2	3.2	3.4	3.3	-
Industrial inorganic chemicals	281	41.8	41.3	42.4	42.1	-	3.0	2.9	3.4	3.5	-
Industrial inorganic chemicals, nec	2819	41.9	41.5	42.5	42.3	-	3.1	2.9	3.3	3.5	-
Plastics materials and synthetics	282	42.3	42.2	42.4	42.0	-	3.6	3.6	3.7	3.6	-
Plastics materials and resins	2821	43.0	42.9	43.7	43.1	-	4.6	4.7	5.1	4.7	-
Organic fibers, noncellulosic	2824	42.2	42.1	41.7	41.7	-	3.1	2.9	2.4	2.7	-
Drugs	283	40.8	40.3	40.7	40.1	-	2.6	2.8	2.7	2.5	-
Pharmaceutical preparations	2834	40.4	40.2	40.5	39.8	-	2.5	2.8	2.6	2.4	-
Soap, cleaners, and toilet goods	284	41.2	41.1	41.2	41.4	-	3.0	3.3	2.8	2.7	-
Soap and other detergents	2841	44.7	43.6	43.7	44.5	-	5.5	4.9	4.8	4.9	-
Toilet preparations	2844	39.4	39.5	39.4	39.9	-	1.8	2.5	1.6	1.5	-
Polishing, sanitation, and finishing preparations	2842,3	40.0	41.1	41.6	40.7	-	2.1	2.7	2.9	2.5	-
Paints and allied products	285	41.3	41.4	42.2	42.1	-	3.0	3.2	3.3	3.5	-
Industrial organic chemicals	286	42.7	42.2	43.2	43.0	-	3.7	3.6	4.1	4.1	-
Cyclic crudes and intermediates	2865	41.4	41.0	42.5	42.1	-	3.1	3.4	4.5	4.4	-
Gum, wood, and industrial organic chemicals, nec	2861,9	43.1	42.6	43.4	43.3	-	3.9	3.6	4.0	4.0	-
Agricultural chemicals	287	41.6	41.1	43.2	42.6	-	3.9	3.6	4.6	4.5	-
Miscellaneous chemical products	289	40.9	40.8	41.6	41.2	-	2.7	3.0	3.1	3.0	-
Petroleum and coal products	29	44.3	43.5	43.5	43.4	43.5	4.3	3.9	4.3	4.4	-
Petroleum refining	291	44.3	43.6	43.2	43.0	-	3.6	3.2	3.6	3.5	-
Paving and roofing materials	295	45.2	44.1	45.8	45.9	-	7.9	7.0	7.6	7.8	-
Rubber and misc. plastics products	30	40.9	41.2	41.9	41.3	41.3	3.5	3.7	3.8	3.7	-
Tires and inner tubes	301	42.6	43.0	45.0	44.0	-	4.8	5.2	5.2	5.3	-
Rubber and plastics footwear	302	39.0	37.4	40.0	41.3	-	1.2	1.8	2.9	1.9	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	41.0	41.3	43.0	42.2	-	3.2	4.0	4.0	3.6	-
Fabricated rubber products, nec	306	39.5	40.6	41.6	40.7	-	2.6	3.0	3.4	2.8	-
Miscellaneous plastics products	307	41.0	41.1	41.4	40.9	-	3.6	3.7	3.7	3.6	-
Leather and leather products	31	37.4	37.5	37.7	37.4	36.9	1.2	1.6	1.7	1.4	-
Leather tanning and finishing	311	40.2	39.9	40.5	38.8	-	3.0	3.4	3.4	1.9	-
Footwear, except rubber	314	37.2	37.1	37.2	37.0	-	.9	1.3	1.4	1.2	-
Men's footwear, except athletic	3143	37.5	38.0	37.2	37.3	-	.7	1.2	1.1	.8	-
Women's footwear, except athletic	3144	37.0	36.7	37.4	36.9	-	1.2	1.4	1.8	1.8	-
Luggage	316	37.9	39.5	38.7	37.5	-	2.4	2.7	2.8	2.0	-
Handbags and personal leather goods	317	36.7	38.3	37.1	37.4	-	1.0	1.7	1.3	1.4	-
Transportation and public utilities		39.2	39.5	39.8	39.9	39.9	-	-	-	-	-
Railroad transportation:											
Class I railroads ²	4011	41.3	43.5	44.4	44.4	-	-	-	-	-	-
Local and interurban passenger transit	41	36.2	36.1	34.3	36.5	-	-	-	-	-	-
Local and suburban transportation	411	38.2	38.2	38.3	39.1	-	-	-	-	-	-
Intercity highway transportation	413	37.6	37.7	38.9	39.1	-	-	-	-	-	-
Trucking and warehousing	42	38.6	39.1	39.4	39.1	-	-	-	-	-	-
Trucking and trucking terminals	421,3	38.6	39.1	39.5	39.1	-	-	-	-	-	-
Public warehousing	422	38.1	38.6	38.9	39.1	-	-	-	-	-	-
Pipe lines, except natural gas	46	42.2	40.9	40.3	39.7	-	-	-	-	-	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p	July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p
Nondurable goods—Continued											
Printing and publishing	27	\$9.09	\$9.12	\$9.30	\$9.35	\$9.40	\$340.88	\$343.82	\$349.68	\$351.56	\$355.32
Newspapers	271	9.14	9.17	9.39	9.41	-	306.19	309.03	318.32	319.00	-
Periodicals	272	9.53	9.67	9.96	10.01	-	359.28	367.46	370.51	380.38	-
Books	273	8.35	8.44	8.51	8.50	-	318.14	331.69	328.49	326.40	-
Book publishing	2731	7.93	7.97	8.23	8.09	-	294.20	302.06	301.22	296.09	-
Book printing	2732	8.87	9.03	8.84	8.97	-	350.37	372.04	365.09	364.18	-
Miscellaneous publishing	274	8.17	8.25	8.36	8.47	-	294.12	296.18	305.98	303.23	-
Commercial printing	275	9.42	9.45	9.53	9.64	-	366.44	367.61	367.86	374.03	-
Commercial printing, letterpress	2751	8.91	8.92	9.01	9.06	-	344.82	341.64	346.89	348.81	-
Commercial printing, lithographic	2752	9.56	9.61	9.77	9.90	-	371.88	375.75	376.15	383.13	-
Manifold business forms	276	9.32	9.33	9.57	9.53	-	386.78	385.33	396.20	391.68	-
Blankbooks and bookbinding	278	7.10	7.07	7.42	7.31	-	274.77	276.44	293.09	287.28	-
Printing trade services	279	10.67	10.90	11.25	11.47	-	417.20	424.01	439.88	448.48	-
Chemicals and allied products	28	10.59	10.62	11.03	11.10	11.10	440.54	439.67	463.26	462.87	462.87
Industrial inorganic chemicals	281	11.68	11.72	12.24	12.41	-	488.22	484.04	518.98	522.46	-
Industrial inorganic chemicals, nec	2819	11.77	11.82	12.25	12.45	-	493.16	490.53	520.63	526.64	-
Plastics materials and synthetics	282	10.57	10.58	11.08	11.10	-	447.11	446.48	469.79	466.20	-
Plastics materials and resins	2821	11.54	11.54	11.96	12.03	-	496.22	495.07	522.65	518.49	-
Organic fibers, noncellulosic	2824	10.07	10.08	10.64	10.63	-	424.95	424.37	443.69	443.27	-
Drugs	283	9.71	9.81	10.23	10.20	-	396.17	395.34	416.36	409.02	-
Pharmaceutical preparations	2834	9.38	9.43	9.95	9.97	-	378.95	379.09	402.98	396.81	-
Soap, cleaners, and toilet goods	284	9.62	9.56	9.88	9.85	-	396.34	392.92	407.06	407.79	-
Soap and other detergents	2841	12.57	12.52	12.86	12.84	-	561.88	545.87	561.98	571.38	-
Toilet preparations	2844	7.71	7.77	8.06	8.03	-	303.77	306.92	317.56	320.40	-
Polishing, sanitation, and finishing preparations	2842,3	8.98	8.99	9.36	9.31	-	359.20	369.49	389.38	378.92	-
Paints and allied products	285	9.25	9.31	9.74	9.60	-	382.03	385.43	411.03	404.16	-
Industrial organic chemicals	286	12.74	12.79	13.39	13.52	-	544.00	539.74	578.45	581.36	-
Cyclic crudes and intermediates	2865	11.99	12.09	12.81	13.05	-	496.39	495.69	544.43	549.41	-
Gum, wood, and industrial organic chemicals, nec	2861,9	12.96	13.00	13.57	13.67	-	558.58	553.80	588.94	591.91	-
Agricultural chemicals	287	10.37	10.51	10.48	10.80	-	431.39	431.96	452.74	460.08	-
Miscellaneous chemical products	289	9.68	9.67	9.97	10.10	-	395.91	394.54	414.75	416.12	-
Petroleum and coal products	29	13.22	13.17	13.33	13.28	13.28	585.65	572.90	579.86	576.35	577.68
Petroleum refining	291	14.30	14.28	14.53	14.46	-	633.49	622.61	627.70	621.78	-
Paving and roofing materials	295	9.92	9.76	10.03	10.14	-	448.38	430.42	459.37	465.43	-
Rubber and misc. plastics products	30	8.02	8.00	8.23	8.29	8.22	328.02	329.60	344.84	342.38	339.49
Tires and inner tubes	301	12.46	12.58	12.89	12.96	-	530.80	540.94	580.05	570.24	-
Rubber and plastics footwear	302	5.11	5.15	5.30	5.36	-	199.29	192.61	212.00	221.37	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	8.17	8.26	8.27	8.23	-	334.97	341.14	355.61	347.31	-
Fabricated rubber products, nec	306	7.67	7.74	7.99	8.03	-	302.97	314.24	332.38	326.82	-
Miscellaneous plastics products	307	7.34	7.29	7.54	7.59	-	300.94	299.62	312.16	310.43	-
Leather and leather products	31	5.53	5.52	5.67	5.72	5.67	206.82	207.00	213.76	213.93	209.22
Leather tanning and finishing	311	7.50	7.42	7.50	7.48	-	301.50	296.06	303.75	290.22	-
Footwear, except rubber	314	5.28	5.26	5.40	5.46	-	196.42	195.15	200.88	202.02	-
Men's footwear, except athletic	3143	5.46	5.48	5.69	5.77	-	204.75	208.24	211.67	215.22	-
Women's footwear, except athletic	3144	5.22	5.18	5.21	5.30	-	193.14	190.11	194.85	195.57	-
Luggage	316	6.11	6.21	6.20	6.28	-	231.57	245.30	239.94	235.50	-
Handbags and personal leather goods	317	5.17	5.13	5.56	5.65	-	189.74	196.48	206.28	211.31	-
Transportation and public utilities		10.84	10.69	11.07	11.18	11.21	424.93	422.26	440.59	446.08	447.28
Railroad transportation:											
Class I railroads ²	4011	13.09	12.89	13.31	13.34	-	540.62	560.72	590.96	592.30	-
Local and interurban passenger transit	41	7.85	7.89	7.73	7.91	-	284.17	284.83	265.14	288.72	-
Local and suburban transportation	411	8.09	8.09	8.04	8.07	-	309.04	309.04	307.93	315.54	-
Intercity highway transportation	413	12.02	12.00	11.85	11.82	-	451.95	452.40	460.97	462.16	-
Trucking and warehousing	42	10.32	10.31	10.43	10.40	-	398.35	403.12	410.94	406.64	-
Trucking and trucking terminals	421,3	10.50	10.51	10.60	10.55	-	405.30	410.94	418.70	412.51	-
Public warehousing	422	7.62	7.39	7.89	8.02	-	290.32	285.25	306.92	313.58	-
Pipe lines, except natural gas	46	14.13	13.96	14.71	14.65	-	596.29	570.96	592.81	581.61	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P	July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P
Transportation and public utilities—Continued											
Communication	48	39.8	38.9	40.0	40.7	-	-	-	-	-	-
Telephone communication	481	40.4	40.2	40.6	41.4	-	-	-	-	-	-
Radio and television broadcasting	483	37.7	37.5	37.3	37.6	-	-	-	-	-	-
Electric, gas, and sanitary services	49	41.4	41.4	41.6	41.4	-	-	-	-	-	-
Electric services	491	41.5	41.7	41.8	41.8	-	-	-	-	-	-
Gas production and distribution	492	40.6	40.5	41.2	40.7	-	-	-	-	-	-
Combination utility services	493	42.0	41.9	42.0	41.4	-	-	-	-	-	-
Sanitary services	495	42.0	41.4	41.8	41.2	-	-	-	-	-	-
Wholesale trade		38.6	38.6	38.7	38.8	38.7	-	-	-	-	-
Durable goods	50	39.0	39.0	39.3	39.3	-	-	-	-	-	-
Motor vehicles and automotive equipment	501	38.8	39.0	39.4	39.3	-	-	-	-	-	-
Furniture and home furnishings	502	36.9	37.3	37.8	37.7	-	-	-	-	-	-
Lumber and construction materials	503	39.6	39.4	39.5	39.2	-	-	-	-	-	-
Sporting goods, toys, and hobby goods	504	37.8	38.3	38.5	38.5	-	-	-	-	-	-
Metals and minerals, except petroleum	505	39.5	40.3	40.9	40.4	-	-	-	-	-	-
Electrical goods	506	38.8	38.9	38.8	39.3	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	38.8	39.0	38.6	38.7	-	-	-	-	-	-
Machinery, equipment, and supplies	508	39.4	39.4	39.8	39.7	-	-	-	-	-	-
Miscellaneous durable goods	509	37.6	37.5	38.1	37.9	-	-	-	-	-	-
Nondurable goods	51	38.2	38.0	37.9	38.0	-	-	-	-	-	-
Paper and paper products	511	37.1	37.5	37.2	37.8	-	-	-	-	-	-
Drugs, proprietaries, and sundries	512	37.8	37.8	37.3	37.8	-	-	-	-	-	-
Apparel, piece goods, and notions	513	36.9	36.9	36.3	36.4	-	-	-	-	-	-
Groceries and related products	514	39.0	38.6	38.7	38.7	-	-	-	-	-	-
Chemicals and allied products	516	39.5	39.8	39.0	39.4	-	-	-	-	-	-
Petroleum and petroleum products	517	39.2	38.8	39.1	39.2	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	36.3	36.1	36.7	36.4	-	-	-	-	-	-
Miscellaneous nondurable goods	519	37.5	37.3	37.4	37.5	-	-	-	-	-	-
Retail trade		30.6	30.5	30.4	30.7	30.6	-	-	-	-	-
Building materials and garden supplies	52	36.4	36.3	37.1	37.4	-	-	-	-	-	-
Lumber and other building materials	521	37.3	37.1	39.2	39.5	-	-	-	-	-	-
Hardware stores	525	34.5	34.1	33.5	33.9	-	-	-	-	-	-
General merchandise stores	53	30.2	30.0	29.9	30.2	-	-	-	-	-	-
Department stores	531	30.1	29.8	29.9	30.2	-	-	-	-	-	-
Variety stores	533	30.6	30.8	29.8	30.1	-	-	-	-	-	-
Misc. general merchandise stores	539	31.2	31.2	30.7	31.7	-	-	-	-	-	-
Food stores	54	31.6	31.4	31.4	31.5	-	-	-	-	-	-
Grocery stores	541	31.9	31.6	31.6	31.7	-	-	-	-	-	-
Retail bakeries	546	28.4	28.4	28.7	28.6	-	-	-	-	-	-
Automotive dealers and service stations	55	37.2	37.0	37.4	37.5	-	-	-	-	-	-
New and used car dealers	551,2	37.9	37.9	38.2	38.1	-	-	-	-	-	-
Auto and home supply stores	553	39.9	39.2	40.5	40.7	-	-	-	-	-	-
Gasoline service stations	554	35.2	34.9	34.7	35.1	-	-	-	-	-	-
Apparel and accessory stores	56	28.8	28.7	28.5	28.7	-	-	-	-	-	-
Men's and boys' clothing and furnishings	561	31.6	31.4	31.2	30.8	-	-	-	-	-	-
Women's ready-to-wear stores	562	28.2	27.7	27.6	27.9	-	-	-	-	-	-
Family clothing stores	565	28.6	28.7	28.8	29.0	-	-	-	-	-	-
Shoe stores	566	28.6	29.1	28.6	28.2	-	-	-	-	-	-
Furniture and home furnishings stores	57	34.8	34.6	34.4	34.5	-	-	-	-	-	-
Furniture and home furnishings stores	571	34.6	34.2	34.4	34.3	-	-	-	-	-	-
Household appliance stores	572	34.6	34.5	35.0	34.3	-	-	-	-	-	-
Radio, television, and music stores	573	35.4	35.5	34.0	35.0	-	-	-	-	-	-
Eating and drinking places ³	58	27.2	27.3	26.7	27.2	-	-	-	-	-	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P	July 1983	Aug. 1983	June 1984	July 1984 ^P	Aug. 1984 ^P
Transportation and public utilities—Continued											
Communication	48	\$10.79	\$9.72	\$11.17	\$11.28	-	\$429.44	\$378.11	\$446.80	\$459.10	-
Telephone communication	481	11.38	11.12	11.81	11.93	-	459.75	447.02	479.49	493.90	-
Radio and television broadcasting	483	9.01	9.17	9.60	9.68	-	339.68	343.88	358.08	363.97	-
Electric, gas, and sanitary services	49	11.45	11.51	12.07	12.16	-	474.03	476.51	502.11	503.42	-
Electric services	491	11.55	11.60	12.18	12.26	-	479.33	483.72	509.12	512.47	-
Gas production and distribution	492	10.38	10.41	10.92	11.10	-	421.43	421.61	449.90	451.77	-
Combination utility services	493	13.39	13.45	14.08	14.10	-	562.38	563.56	591.36	583.74	-
Sanitary services	495	8.90	8.88	9.11	9.25	-	373.80	367.63	380.80	381.10	-
Wholesale trade		8.56	8.54	8.90	8.97	\$8.95	330.42	329.64	344.43	348.04	\$346.37
Durable goods	50	8.52	8.50	8.87	8.96	-	332.28	331.50	348.59	352.13	-
Motor vehicles and automotive equipment	501	7.8 ⁰	7.78	8.07	8.12	-	302.64	303.42	317.96	319.12	-
Furniture and home furnishings	502	7.51	7.42	7.93	7.94	-	277.12	276.77	299.75	299.34	-
Lumber and construction materials	503	8.25	8.23	8.46	8.53	-	326.70	324.26	334.17	334.38	-
Sporting goods, toys, and hobby goods	504	8.76	8.78	9.72	9.77	-	331.13	336.27	374.22	376.15	-
Metals and minerals, except petroleum	505	9.17	9.14	9.59	9.65	-	362.22	368.34	392.23	389.86	-
Electrical goods	506	9.25	9.08	9.13	9.32	-	358.90	353.21	354.24	366.28	-
Hardware, plumbing, and heating equipment	507	7.99	7.98	8.42	8.41	-	310.01	311.22	325.01	325.47	-
Machinery, equipment, and supplies	508	8.81	8.84	9.33	9.41	-	347.11	348.30	371.33	373.58	-
Miscellaneous durable goods	509	7.31	7.36	7.49	7.58	-	274.86	276.00	285.37	287.28	-
Nondurable goods	51	8.62	8.59	8.94	8.99	-	329.28	326.42	338.83	341.62	-
Paper and paper products	511	9.24	9.34	9.47	9.62	-	342.80	350.25	352.28	363.64	-
Drugs, proprietaries, and sundries	512	9.33	9.29	9.83	9.74	-	352.67	351.16	366.66	368.17	-
Apparel, piece goods, and notions	513	8.25	8.17	8.61	8.58	-	304.43	301.47	312.54	312.31	-
Groceries and related products	514	8.73	8.75	9.09	9.16	-	340.47	337.75	351.78	354.49	-
Chemicals and allied products	516	9.86	9.79	10.46	10.36	-	389.47	389.64	407.94	408.18	-
Petroleum and petroleum products	517	10.18	10.13	10.01	10.03	-	399.06	393.04	391.39	393.18	-
Beer, wine, and distilled beverages	518	10.44	10.29	10.76	10.93	-	378.97	371.47	394.89	397.85	-
Miscellaneous nondurable goods	519	6.89	6.82	7.25	7.29	-	258.38	254.39	271.15	273.38	-
Retail trade		5.73	5.73	5.88	5.87	5.84	175.34	174.77	178.75	180.21	178.70
Building materials and garden supplies	52	6.23	6.24	6.43	6.45	-	226.77	226.51	238.55	241.23	-
Lumber and other building materials	521	6.46	6.48	6.69	6.69	-	240.96	240.41	262.25	264.26	-
Hardware stores	525	5.48	5.50	5.59	5.61	-	189.06	187.55	187.27	190.18	-
General merchandise stores	53	5.61	5.63	5.68	5.63	-	169.42	168.90	169.83	170.03	-
Department stores	531	5.83	5.86	5.88	5.82	-	175.48	174.63	175.81	175.76	-
Variety stores	533	4.38	4.35	4.46	4.42	-	134.03	133.98	132.91	133.04	-
Misc. general merchandise stores	539	4.55	4.54	4.54	4.50	-	141.96	141.65	139.38	142.65	-
Food stores	54	7.50	7.54	7.67	7.66	-	237.00	236.76	240.84	241.29	-
Grocery stores	541	7.76	7.81	7.94	7.92	-	247.54	246.80	250.90	251.06	-
Retail bakeries	546	5.11	5.13	5.31	5.31	-	145.12	145.69	152.40	151.87	-
Automotive dealers and service stations	55	6.87	6.79	7.15	7.15	-	255.56	251.23	267.41	268.13	-
New and used car dealers	551,2	8.30	8.12	8.68	8.67	-	314.57	307.75	331.58	330.33	-
Auto and home supply stores	553	6.22	6.21	6.44	6.52	-	248.18	243.43	260.82	265.36	-
Gasoline service stations	554	5.17	5.19	5.24	5.23	-	181.98	181.13	181.83	183.57	-
Apparel and accessory stores	56	4.99	4.95	5.13	5.12	-	143.71	142.07	146.21	146.94	-
Men's and boys' clothing and furnishings	561	5.74	5.65	5.82	5.82	-	181.38	177.41	181.58	179.26	-
Women's ready-to-wear stores	562	4.66	4.68	4.91	4.90	-	131.41	129.64	135.52	136.71	-
Family clothing stores	565	4.97	4.87	4.97	5.02	-	142.14	139.77	143.14	145.58	-
Shoe stores	566	5.15	5.04	5.19	5.17	-	147.29	146.66	148.43	145.79	-
Furniture and home furnishings stores	57	6.64	6.68	6.88	7.06	-	231.07	231.13	236.67	243.57	-
Furniture and home furnishings stores	571	6.48	6.54	6.79	6.90	-	224.21	223.67	233.58	236.67	-
Household appliance stores	572	7.08	7.09	7.02	7.30	-	244.97	244.61	245.70	250.39	-
Radio, television, and music stores	573	6.77	6.79	6.99	7.29	-	239.66	241.05	237.66	255.15	-
Eating and drinking places ³	58	4.26	4.26	4.31	4.31	-	115.87	116.30	115.08	117.23	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p	July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p
Retail trade—Continued											
Miscellaneous retail	59	31.3	31.3	31.4	31.9	-	-	-	-	-	-
Drug stores and proprietary stores	591	29.2	29.1	30.4	30.8	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	30.5	30.6	30.0	30.8	-	-	-	-	-	-
Nonstore retailers	596	33.6	34.2	33.7	34.2	-	-	-	-	-	-
Fuel and ice dealers	598	37.6	37.3	37.7	37.8	-	-	-	-	-	-
Retail stores, nec	599	32.9	32.5	32.6	32.3	-	-	-	-	-	-
Finance, insurance, and real estate⁴		36.3	36.1	36.3	36.7	36.4	-	-	-	-	-
Banking	60	36.5	36.4	36.4	36.9	-	-	-	-	-	-
Commercial and stock savings banks	602	36.5	36.4	36.4	36.9	-	-	-	-	-	-
Credit agencies other than banks	61	37.1	37.0	36.8	37.4	-	-	-	-	-	-
Savings and loan associations	612	36.5	36.3	36.5	37.1	-	-	-	-	-	-
Personal credit institutions	614	37.7	37.6	36.8	37.0	-	-	-	-	-	-
Insurance carriers	63	37.1	37.1	37.2	37.3	-	-	-	-	-	-
Life insurance	631	36.7	36.7	37.0	36.9	-	-	-	-	-	-
Medical service and health insurance	632	37.4	37.4	37.8	37.5	-	-	-	-	-	-
Fire, marine, and casualty insurance	633	37.0	37.0	37.0	37.2	-	-	-	-	-	-
Services		33.1	33.0	32.9	33.1	33.0	-	-	-	-	-
Hotels and other lodging places:											
Hotels, motels, and tourist courts ³	701	31.3	31.7	31.3	31.9	-	-	-	-	-	-
Personal services:											
Laundry, cleaning, and garment services	721	33.7	33.6	34.1	34.0	-	-	-	-	-	-
Beauty shops ³	723	28.7	28.3	29.6	28.9	-	-	-	-	-	-
Business services	73	33.5	33.5	33.6	33.6	-	-	-	-	-	-
Advertising	731	36.2	36.3	35.9	35.9	-	-	-	-	-	-
Services to buildings	734	28.1	28.1	29.3	29.0	-	-	-	-	-	-
Computer and data processing services	737	38.5	38.4	38.6	38.2	-	-	-	-	-	-
Auto repair, services, and garages	75	38.0	37.7	38.4	38.3	-	-	-	-	-	-
Automotive repair shops	753	39.0	38.8	39.5	39.3	-	-	-	-	-	-
Miscellaneous repair services	76	38.5	38.6	38.9	39.0	-	-	-	-	-	-
Motion pictures	78	29.0	29.5	29.8	30.5	-	-	-	-	-	-
Motion picture production and services	781	39.5	39.2	38.8	40.3	-	-	-	-	-	-
Amusement and recreation services	79	32.5	32.1	31.2	31.8	-	-	-	-	-	-
Health services	80	32.9	32.7	32.5	32.8	-	-	-	-	-	-
Offices of physicians	801	31.2	31.0	30.8	30.5	-	-	-	-	-	-
Offices of dentists	802	27.9	27.9	28.5	28.9	-	-	-	-	-	-
Nursing and personal care facilities	805	31.9	31.4	31.2	32.3	-	-	-	-	-	-
Hospitals	806	34.6	34.4	34.1	34.3	-	-	-	-	-	-
Legal services	81	35.0	34.8	34.6	34.8	-	-	-	-	-	-
Miscellaneous services	89	38.7	38.9	38.8	38.6	-	-	-	-	-	-
Engineering and architectural services	891	39.8	39.8	40.1	39.8	-	-	-	-	-	-
Accounting, auditing, and bookkeeping	893	37.9	38.3	37.3	37.1	-	-	-	-	-	-

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				
		July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p	July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p
Retail trade—Continued											
Miscellaneous retail	59	\$5.65	\$5.67	\$5.80	\$5.81	-	\$176.85	\$177.47	\$182.12	\$185.34	-
Drug stores and proprietary stores	591	5.37	5.45	5.35	5.38	-	156.80	158.60	162.64	165.70	-
Miscellaneous shopping goods stores	594	5.31	5.32	5.53	5.52	-	161.96	162.79	165.90	170.02	-
Nonstore retailers	596	6.20	6.15	6.37	6.35	-	208.32	210.33	214.67	217.17	-
Fuel and ice dealers	598	7.59	7.59	8.05	8.06	-	285.38	283.11	303.49	304.67	-
Retail stores, nec	599	5.86	5.82	6.09	6.15	-	192.79	189.15	198.53	198.65	-
Finance, insurance, and real estate⁴		7.29	7.24	7.58	7.63	\$7.59	264.63	261.36	275.15	280.02	\$276.28
Banking	60	6.26	6.23	6.52	6.62	-	228.49	226.77	237.33	244.28	-
Commercial and stock savings banks	602	6.14	6.11	6.39	6.48	-	224.11	222.40	232.60	239.11	-
Credit agencies other than banks	61	6.46	6.45	6.84	6.92	-	239.67	238.65	251.71	258.81	-
Savings and loan associations	612	5.88	5.87	6.18	6.25	-	214.62	213.08	225.57	231.88	-
Personal credit institutions	614	6.50	6.46	6.65	6.77	-	245.05	242.90	244.72	250.49	-
Insurance carriers	63	8.16	8.17	8.48	8.51	-	302.74	303.11	315.46	317.42	-
Life insurance	631	8.18	8.19	8.46	8.42	-	300.21	300.57	313.02	310.70	-
Medical service and health insurance	632	7.80	7.83	8.18	8.33	-	291.72	292.84	309.20	312.38	-
Fire, marine, and casualty insurance	633	8.20	8.23	8.54	8.61	-	303.40	304.51	315.98	320.29	-
Services		7.24	7.24	7.53	7.56	7.52	239.64	238.92	247.74	250.24	248.16
Hotels and other lodging places:											
Hotels, motels, and tourist courts ³	701	5.22	5.13	5.38	5.30	-	163.39	162.62	168.39	169.07	-
Personal services:											
Laundry, cleaning, and garment services	721	5.41	5.42	5.59	5.62	-	182.32	182.11	190.62	191.08	-
Beauty shops ³	723	5.50	5.41	5.74	5.82	-	157.85	153.10	169.90	168.20	-
Business services	73	7.65	7.61	7.86	7.92	-	256.28	254.94	264.10	266.11	-
Advertising	731	9.90	9.66	10.41	10.73	-	358.38	350.66	373.72	385.21	-
Services to buildings	734	6.07	6.00	6.15	6.19	-	170.57	168.60	180.20	179.51	-
Computer and data processing services	737	10.11	10.21	10.60	10.62	-	389.24	392.06	409.16	405.68	-
Auto repair, services, and garages	75	6.93	6.94	7.09	7.10	-	263.34	261.64	272.26	271.93	-
Automotive repair shops	753	7.49	7.52	7.73	7.73	-	292.11	291.78	305.34	303.79	-
Miscellaneous repair services	76	8.24	8.24	8.66	8.69	-	317.24	318.06	336.87	338.91	-
Motion pictures	78	9.66	10.27	10.36	10.59	-	280.14	302.97	308.73	323.00	-
Motion picture production and services	781	13.86	14.60	15.02	15.37	-	547.47	572.32	582.78	619.41	-
Amusement and recreation services	79	6.11	6.06	6.45	6.40	-	198.58	194.53	201.24	203.52	-
Health services	80	7.40	7.41	7.69	7.75	-	243.46	242.31	249.93	254.20	-
Offices of physicians	801	7.25	7.24	7.52	7.61	-	226.20	224.44	231.62	232.11	-
Offices of dentists	802	7.09	7.09	7.40	7.40	-	197.81	197.81	210.90	213.86	-
Nursing and personal care facilities	805	5.22	5.22	5.37	5.42	-	166.52	163.91	167.54	175.07	-
Hospitals	806	8.14	8.16	8.51	8.58	-	281.64	280.70	290.19	294.29	-
Legal services	81	9.28	9.19	9.75	9.94	-	324.80	319.81	337.35	345.91	-
Miscellaneous services	89	10.68	10.70	11.02	11.16	-	413.32	416.23	427.58	430.78	-
Engineering and architectural services	891	11.37	11.39	11.73	11.74	-	452.53	453.32	470.37	467.25	-
Accounting, auditing, and bookkeeping	893	9.13	9.10	9.35	9.74	-	346.03	348.53	348.76	361.35	-

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	July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p
Manufacturing	\$8.53	\$8.44	\$8.77	\$8.82	\$8.77
Durable goods	9.06	8.98	9.29	9.32	9.28
Lumber and wood products	7.51	7.49	7.72	7.70	(¹)
Furniture and fixtures	6.47	6.46	6.63	6.70	(¹)
Stone, clay, and glass products	8.85	8.81	9.04	9.10	(¹)
Primary metal industries	10.96	10.85	10.93	10.94	(¹)
Fabricated metal products	8.77	8.75	8.94	8.96	(¹)
Machinery, except electrical	9.29	9.23	9.51	9.55	(¹)
Electrical and electronic equipment	8.42	8.34	8.60	8.64	(¹)
Transportation equipment	11.09	11.03	11.52	11.56	(¹)
Instruments and related products	8.30	8.24	8.52	8.58	(¹)
Miscellaneous manufacturing	6.66	6.63	6.81	6.85	(¹)
Nondurable goods	7.82	7.74	8.01	8.08	\$8.03
Food and kindred products	7.83	7.74	8.06	8.01	(¹)
Tobacco manufactures	10.72	10.07	11.57	11.36	(¹)
Textile mill products	5.91	5.91	6.17	6.20	(¹)
Apparel and other textile products	5.27	5.25	5.40	5.43	(¹)
Paper and allied products	9.53	9.48	9.86	9.93	(¹)
Printing and publishing	8.79	8.80	9.00	9.04	(¹)
Chemicals and allied products	10.20	10.22	10.60	10.67	(¹)
Petroleum and coal products	12.60	12.61	12.70	12.64	(¹)
Rubber and misc. plastics products	7.69	7.66	7.87	7.93	(¹)
Leather and leather products	5.44	5.40	5.55	5.62	(¹)

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				
	July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p	July 1983	Aug. 1983	June 1984	July 1984 ^p	Aug. 1984 ^p
Total private:										
Current dollars	\$8.01	\$7.95	\$8.29	\$8.32	\$8.30	\$282.75	\$280.64	\$294.30	\$296.19	\$294.65
Constant (1977) dollars	4.88	4.82	4.92	4.91	(¹)	172.09	170.08	174.45	174.85	(¹)
Mining:										
Current dollars	11.27	11.25	11.57	11.57	\$11.53	474.47	479.25	505.61	499.82	\$503.86
Constant (1977) dollars	6.86	6.82	6.86	6.83	(¹)	288.78	290.45	299.71	295.05	(¹)
Construction:										
Current dollars	11.80	11.86	11.94	11.95	\$12.01	450.76	450.68	460.88	461.27	\$462.39
Constant (1977) dollars	7.18	7.19	7.08	7.06	(¹)	274.35	273.14	273.20	272.30	(¹)
Manufacturing:										
Current dollars	8.84	8.78	9.14	9.17	\$9.14	353.60	352.96	372.91	369.55	\$368.34
Constant (1977) dollars	5.38	5.32	5.42	5.41	(¹)	215.22	213.92	221.05	218.15	(¹)
Transportation and public utilities:										
Current dollars	10.84	10.69	11.07	11.18	\$11.21	424.93	422.26	440.59	446.08	\$447.28
Constant (1977) dollars	6.60	6.48	6.56	6.60	(¹)	258.63	255.92	261.17	263.33	(¹)
Wholesale trade:										
Current dollars	8.56	8.54	8.90	8.97	\$8.95	330.42	329.64	344.43	348.04	\$346.37
Constant (1977) dollars	5.21	5.18	5.27	5.30	(¹)	201.11	199.78	204.17	205.45	(¹)
Retail trade:										
Current dollars	5.73	5.73	5.88	5.87	\$5.84	175.34	174.77	178.75	180.21	\$178.70
Constant (1977) dollars	3.49	3.47	3.48	3.47	(¹)	106.72	105.92	105.96	106.38	(¹)
Finance, insurance, and real estate:										
Current dollars	7.29	7.24	7.58	7.63	\$7.59	264.63	261.36	275.15	280.02	\$276.28
Constant (1977) dollars	4.44	4.39	4.49	4.50	(¹)	161.07	158.40	163.10	165.30	(¹)
Services:										
Current dollars	7.24	7.24	7.53	7.56	\$7.52	239.64	238.92	247.74	250.24	\$248.16
Constant (1977) dollars	4.41	4.39	4.46	4.46	(¹)	145.86	144.80	146.85	147.72	(¹)

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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July ^p	Aug. ^p
Total private	35.0	35.2	35.2	35.2	35.2	35.4	35.3	35.3	35.4	35.3	35.3	35.2	35.2
Mining	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Construction	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Manufacturing	40.3	40.7	40.6	40.6	40.6	40.9	40.9	40.7	41.1	40.6	40.6	40.5	40.4
<i>Overtime hours</i>	3.0	3.2	3.3	3.3	3.4	3.5	3.5	3.5	3.7	3.3	3.3	3.3	3.2
Durable goods	40.8	41.4	41.2	41.3	41.3	41.6	41.7	41.4	41.8	41.3	41.2	41.2	41.1
<i>Overtime hours</i>	3.0	3.3	3.4	3.5	3.5	3.7	3.8	3.7	4.0	3.5	3.5	3.5	3.4
Lumber and wood products	40.2	40.4	40.5	40.0	40.0	40.6	40.4	40.1	40.4	39.6	39.4	39.2	39.3
Furniture and fixtures	39.7	40.0	39.8	39.8	40.1	40.0	39.9	39.6	39.7	39.7	39.1	39.7	38.8
Stone, clay, and glass products	41.7	42.0	41.8	41.8	41.9	42.1	42.5	41.9	42.3	42.1	41.8	41.9	41.3
Primary metal industries	40.9	41.2	41.6	41.7	41.8	41.9	42.0	41.8	42.2	42.1	41.7	41.6	41.4
Blast furnaces and basic steel products ..	40.1	40.5	40.8	40.8	41.2	41.0	41.3	41.2	41.0	41.6	41.1	40.1	40.3
Fabricated metal products	40.8	41.4	41.2	41.4	41.4	41.6	41.8	41.3	41.8	41.4	41.3	41.4	41.2
Machinery, except electrical	40.6	41.1	41.2	41.3	41.5	41.8	41.9	41.9	42.3	41.9	42.0	41.8	41.9
Electrical and electronic equipment	40.7	41.2	41.1	41.1	41.0	41.2	41.2	41.0	41.3	41.0	40.8	40.7	40.7
Transportation equipment	41.9	43.3	42.5	42.6	42.4	43.2	43.1	42.9	43.5	42.4	42.3	42.2	42.5
Motor vehicles and equipment	43.1	45.1	44.1	44.1	43.9	44.8	44.3	44.4	44.8	42.9	43.1	42.6	43.6
Instruments and related products	40.4	40.8	40.7	40.7	40.8	41.3	41.2	41.1	41.4	40.7	41.3	41.1	40.6
Miscellaneous manufacturing	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Nondurable goods	39.6	39.9	39.7	39.8	39.7	39.9	39.9	39.8	40.2	39.6	39.6	39.5	39.4
<i>Overtime hours</i>	3.1	3.1	3.1	3.1	3.2	3.3	3.3	3.3	3.4	3.1	3.2	3.1	3.0
Food and kindred products	39.6	39.8	39.6	39.6	39.5	39.7	39.7	39.8	40.1	39.7	39.8	39.6	39.6
Tobacco manufactures	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Textile mill products	40.9	41.3	40.8	40.6	40.7	40.6	40.8	40.6	41.2	40.0	40.0	39.8	39.2
Apparel and other textile products	36.3	36.7	36.6	36.7	36.6	36.6	36.9	36.7	37.4	36.5	36.4	35.9	35.8
Paper and allied products	42.9	43.2	43.2	43.1	43.1	43.2	43.2	43.0	43.2	43.1	42.9	43.3	43.3
Printing and publishing	37.6	37.8	37.9	37.9	37.7	37.9	37.9	37.9	38.2	38.0	37.7	37.7	37.7
Chemicals and allied products	41.7	41.7	41.7	41.9	41.9	42.1	42.1	42.0	42.0	41.8	41.9	41.9	42.0
Petroleum and coal products	43.5	43.2	43.6	43.7	44.6	44.8	44.5	44.7	43.7	43.5	43.1	42.9	43.5
Rubber and misc. plastics products	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Leather and leather products	37.1	37.8	37.3	37.2	37.1	37.3	37.2	36.7	37.5	36.5	36.7	37.1	36.5
Transportation and public utilities	39.2	39.3	39.4	39.2	39.4	39.5	39.3	39.2	39.5	39.4	39.6	39.7	39.6
Wholesale trade	38.5	38.6	38.6	38.6	38.6	38.6	38.5	38.5	38.7	38.6	38.6	38.6	38.6
Retail trade	29.8	29.8	30.0	30.0	30.3	30.1	30.0	30.1	30.0	30.1	30.2	29.9	29.9
Finance, insurance, and real estate	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Services	32.6	32.7	32.8	32.7	32.6	32.8	32.7	32.8	32.8	32.7	32.7	32.7	32.6

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 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 workers¹ on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted

(1977 = 100)

Industry	1983					1984							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July ^P	Aug. ^P
Total private	105.3	107.6	108.3	108.7	109.4	110.3	110.9	110.9	112.0	112.0	112.7	112.6	112.7
Goods-producing	92.4	93.9	94.6	95.6	96.2	97.9	99.2	98.1	100.1	99.5	99.9	99.9	100.0
Mining	106.7	107.8	109.6	109.7	110.4	111.5	112.1	111.7	114.7	115.5	117.1	116.6	118.7
Construction	103.7	105.0	104.1	105.5	105.7	110.3	114.1	107.7	112.6	113.7	116.4	115.2	115.6
Manufacturing	89.5	91.1	92.1	93.0	93.7	94.9	95.7	95.7	97.0	96.0	96.0	96.2	96.1
Durable goods	86.5	88.5	89.9	91.0	92.0	93.4	94.4	94.5	95.8	95.0	95.1	95.6	96.0
Lumber and wood products	92.4	93.6	95.3	95.0	95.6	97.4	97.4	97.8	98.6	96.1	95.8	94.8	94.8
Furniture and fixtures	96.2	97.4	98.3	99.6	101.2	102.0	102.8	102.8	103.1	102.5	101.5	103.3	101.5
Stone, clay, and glass products	83.8	85.0	85.5	86.1	86.5	87.1	89.3	88.2	89.2	89.0	88.6	88.8	87.1
Primary metal industries	67.6	68.9	71.2	72.0	73.0	72.8	73.5	73.2	74.1	74.8	73.9	73.4	73.0
Blast furnaces and basic steel products	59.5	60.6	62.2	62.9	63.5	62.3	62.6	62.4	62.3	63.7	62.7	60.7	59.8
Fabricated metal products	83.6	85.3	86.3	87.5	88.5	89.5	90.4	89.9	91.5	91.3	91.8	92.9	92.7
Machinery, except electrical	83.5	84.9	86.3	88.2	89.5	91.1	92.3	93.3	95.2	95.3	96.5	97.1	98.1
Electrical and electronic equipment	100.2	104.1	105.6	107.2	108.0	109.6	111.2	112.2	113.6	113.2	112.8	113.9	114.9
Transportation equipment	85.7	88.9	89.9	91.1	92.1	95.1	95.9	95.5	96.8	94.1	94.4	95.0	97.5
Motor vehicles and equipment	78.9	82.9	84.2	85.6	88.8	93.0	92.3	91.8	91.8	86.3	87.4	87.3	92.8
Instruments and related products	103.0	105.1	105.9	106.4	106.4	108.5	108.8	108.8	109.3	107.7	109.6	109.3	108.0
Miscellaneous manufacturing	80.8	80.8	82.6	83.3	84.6	85.0	86.5	85.8	86.5	85.3	84.8	85.4	85.1
Nondurable goods	94.0	95.0	95.3	95.9	96.2	97.0	97.5	97.4	98.8	97.4	97.2	97.1	96.3
Food and kindred products	95.3	95.8	95.5	95.9	95.8	97.0	96.9	97.1	98.7	97.7	97.9	98.2	97.1
Tobacco manufactures	86.9	89.4	88.1	90.6	87.1	87.6	86.1	87.6	93.4	92.0	92.0	84.8	74.3
Textile mill products	83.1	84.1	83.7	83.5	84.0	84.5	84.8	84.5	85.7	82.7	82.3	81.1	79.5
Apparel and other textile products	89.5	90.7	91.5	92.5	92.8	93.2	94.4	94.2	96.7	93.9	92.5	91.5	91.4
Paper and allied products	95.6	96.8	97.4	97.6	98.2	98.8	99.4	99.1	99.6	99.3	99.5	100.6	100.4
Printing and publishing	110.1	110.9	111.9	112.7	112.4	113.8	114.1	114.6	116.6	116.6	116.3	117.1	116.8
Chemicals and allied products	94.1	94.2	94.6	95.2	95.5	96.1	96.3	96.1	96.2	95.6	96.1	96.0	96.7
Petroleum and coal products	90.7	89.3	89.4	88.8	89.8	89.4	88.8	88.4	86.5	86.1	84.5	84.1	84.5
Rubber and misc. plastics products	102.4	104.5	106.2	108.4	109.4	111.0	112.5	112.2	113.8	113.1	113.5	114.0	112.8
Leather and leather products	80.1	82.0	81.4	81.2	81.0	81.4	81.2	79.7	81.4	78.3	77.8	79.1	74.7
Service-producing	112.4	115.1	115.9	116.0	116.7	117.2	117.4	117.9	118.6	119.0	119.7	119.6	119.6
Transportation and public utilities	85.3	102.0	102.4	101.7	102.4	103.4	103.1	103.1	104.4	104.3	105.2	105.8	105.9
Wholesale trade	108.6	109.2	109.7	110.1	110.7	111.6	112.0	112.5	113.3	113.5	113.7	114.3	114.9
Retail trade	106.4	106.7	107.8	108.3	109.7	109.3	109.4	109.9	110.3	111.1	111.9	111.0	110.9
Finance, insurance, and real estate	119.2	120.2	120.8	120.6	121.0	122.0	122.1	122.2	123.1	123.1	124.0	124.8	124.6
Services	126.6	127.6	128.3	128.4	128.6	129.4	129.9	130.9	131.4	131.7	132.4	132.3	132.3

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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July ^p	Aug. ^p
Hourly Earnings Index ² (1977=100)													
Total private (in current dollars)	155.4	156.2	157.1	157.2	157.8	158.4	158.5	159.1	159.9	159.6	160.3	160.8	160.6
Mining	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Construction	144.8	145.5	145.5	145.2	145.6	146.3	146.2	146.3	146.6	147.0	147.1	146.4	146.6
Manufacturing	158.0	158.1	158.7	159.4	159.7	160.3	160.7	161.2	161.6	162.0	162.3	162.8	163.2
Transportation and public utilities	155.6	157.4	158.5	158.7	159.1	159.9	159.8	160.9	161.3	160.9	162.1	162.7	162.4
Wholesale trade	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Retail trade	150.9	151.3	151.9	152.3	152.7	152.7	152.9	153.2	153.7	153.4	153.8	154.0	153.6
Finance, insurance, and real estate	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Services	156.6	157.7	158.7	158.5	159.4	159.8	159.8	160.8	162.3	161.4	162.5	163.6	162.5
Total private (in constant dollars) ⁴	94.4	94.5	94.7	94.6	94.9	94.8	94.8	95.1	95.4	94.9	95.2	95.2	(³)
Average hourly earnings													
Total private	\$8.00	\$8.09	\$8.13	\$8.14	\$8.17	\$8.21	\$8.23	\$8.25	\$8.31	\$8.29	\$8.33	\$8.35	\$8.35
Mining	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Construction	\$11.89	\$11.95	\$11.94	\$11.93	\$11.96	\$11.97	\$11.95	\$11.97	\$12.03	\$12.07	\$12.07	\$12.02	\$12.05
Manufacturing	8.84	8.88	8.93	8.97	8.99	9.03	9.06	9.09	9.11	9.12	9.15	9.16	9.20
Transportation and public utilities	10.68	10.83	10.91	10.93	10.96	11.02	10.99	11.08	11.11	11.09	11.16	11.22	11.20
Wholesale trade	8.56	8.62	8.70	8.70	8.74	8.76	8.76	8.82	8.88	8.85	8.94	8.98	8.97
Retail trade	5.77	5.79	5.80	5.82	5.83	5.84	5.84	5.87	5.89	5.87	5.89	5.89	5.88
Finance, insurance, and real estate	7.24	7.35	7.46	7.39	7.47	7.49	7.47	7.54	7.62	7.53	7.61	7.67	7.53
Services	7.33	7.37	7.41	7.41	7.44	7.48	7.50	7.52	7.60	7.56	7.59	7.64	7.61
Average weekly earnings													
Total private:													
In current dollars	280.00	284.77	286.18	286.53	287.58	290.63	290.52	291.23	294.17	292.64	294.05	293.92	293.92
In constant (1977) dollars ⁴	170.01	172.27	172.61	172.40	172.93	173.93	173.65	174.08	175.52	173.98	174.61	173.92	(³)

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		
	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p
Alabama	40.7	41.3	40.8	\$7.58	\$7.96	\$8.05	\$308.51	\$328.75	\$328.44
Birmingham	39.4	41.1	41.5	7.78	8.31	8.27	306.53	341.54	343.20
Mobile	41.5	42.5	41.4	9.72	9.75	9.80	403.38	414.38	405.72
Alaska	39.7	38.4	(¹)	10.37	11.63	(¹)	411.69	446.59	(¹)
Arizona	40.5	40.4	41.0	9.22	9.01	9.45	373.41	364.00	387.45
Arkansas	40.4	40.7	40.3	7.14	7.37	7.39	288.46	299.96	297.82
Fayetteville-Springdale	39.4	43.7	42.1	6.34	6.58	6.54	249.80	287.55	275.33
Fort Smith	40.7	39.6	38.9	7.28	7.65	7.58	296.30	302.94	294.86
Little Rock-North Little Rock	40.7	40.3	40.3	8.27	8.37	8.41	336.59	337.31	338.92
Pine Bluff	42.7	41.8	38.6	9.93	9.45	9.45	424.01	395.01	364.77
California	39.7	40.3	39.9	9.55	9.75	9.80	379.14	392.93	391.02
Colorado	40.0	41.0	40.8	9.00	9.34	9.33	360.00	382.94	380.66
Denver-Boulder	40.0	40.7	40.5	9.31	9.71	9.70	372.40	395.20	392.85
Connecticut	41.3	42.4	42.3	8.81	9.18	9.22	363.85	389.23	390.01
Bridgeport	42.1	41.1	41.0	9.26	9.62	9.66	389.85	395.38	396.06
Hartford	41.4	42.2	42.3	9.45	9.76	9.81	391.23	411.87	414.96
New Britain	40.8	42.3	41.9	9.10	9.52	9.55	371.28	402.70	400.15
New Haven-West Haven	39.2	40.8	41.1	8.68	9.04	8.98	340.26	368.83	369.08
Stamford	40.2	41.5	42.3	8.63	9.05	9.00	346.93	375.58	380.70
Waterbury	42.5	43.6	42.6	7.36	7.82	7.79	312.80	340.95	331.85
Delaware	40.8	42.0	41.1	9.31	8.94	8.80	379.85	375.18	361.68
Wilmington	40.4	40.1	39.3	10.80	10.60	10.51	436.32	425.06	413.04
District of Columbia:									
Washington SMSA	38.7	38.2	38.2	9.70	10.21	10.33	375.39	390.02	394.61
Florida	40.6	41.5	41.3	7.32	7.63	7.65	297.19	316.65	315.95
Fort Lauderdale-Hollywood	42.6	41.4	40.8	6.91	7.57	7.46	294.37	313.40	304.37
Jacksonville	40.9	42.4	42.0	8.11	8.31	8.57	331.70	352.34	359.94
Lakeland-Winter Haven	39.8	41.3	40.5	7.45	7.83	7.81	296.51	323.38	316.31
Miami	39.1	39.4	39.9	6.18	6.28	6.18	241.64	247.43	246.58
Orlando	42.6	41.8	41.7	7.69	7.94	7.97	327.59	331.89	332.35
Pensacola	42.2	43.5	42.1	8.94	9.07	9.03	377.27	394.55	380.16
Tampa-St. Petersburg	40.5	41.7	41.7	7.32	7.63	7.75	296.46	318.17	323.18
West Palm Beach-Boca Raton	41.4	40.0	39.6	7.75	7.67	7.58	320.85	306.80	300.17
Georgia	40.8	41.3	40.8	7.08	7.56	7.53	288.86	312.23	307.22
Atlanta	40.5	40.7	41.1	8.38	9.04	8.72	339.39	367.93	358.39
Savannah	43.3	44.6	43.7	9.12	9.74	9.97	394.90	434.40	435.69
Hawaii	38.6	38.9	39.0	7.95	8.33	8.17	306.87	324.04	318.63
Honolulu	38.7	38.9	37.9	7.96	8.31	8.22	308.05	323.26	311.54
Idaho	37.1	39.2	35.8	9.45	9.37	9.77	350.60	367.30	349.77
Illinois	40.2	41.1	40.9	9.75	10.03	10.09	391.95	412.23	412.68
Bloomington-Normal	40.0	40.3	39.7	9.03	10.23	10.03	361.20	412.27	398.19
Champaign-Urbana-Rantoul	37.0	40.4	38.2	9.10	9.37	9.36	336.70	378.55	357.55
Chicago SMSA	40.0	41.5	41.0	9.55	9.86	9.95	382.00	409.19	407.95
Davenport-Rock Island-Moline	39.0	39.1	38.5	12.10	12.50	12.43	471.90	488.75	478.56
Decatur	41.5	41.5	39.6	12.41	12.82	12.93	515.02	532.03	512.03
Kankakee	39.5	39.3	38.4	8.57	9.75	9.93	338.52	383.18	381.31
Peoria	39.2	41.9	39.5	11.94	12.54	12.55	468.05	525.43	495.73
Rockford	40.8	41.7	41.3	9.45	10.33	10.38	385.56	430.76	428.69
Springfield	42.8	40.3	42.4	11.20	11.07	11.48	479.36	446.12	486.75
Indiana	41.1	41.9	41.4	10.05	10.42	10.41	413.06	436.60	430.97
Gary-Hammond-East Chicago	40.9	(¹)	(¹)	12.89	(¹)	(¹)	527.20	(¹)	(¹)
Indianapolis	41.1	(¹)	(¹)	9.94	(¹)	(¹)	408.53	(¹)	(¹)

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		
	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p
Iowa	39.4	40.0	39.3	\$10.11	\$10.35	\$10.31	\$398.33	\$414.00	\$405.18
Cedar Rapids	40.3	40.9	40.1	10.45	11.27	10.98	421.14	460.94	440.30
Des Moines	37.6	39.4	39.0	11.38	12.24	12.31	427.89	482.26	480.09
Dubuque	41.2	41.4	41.4	10.58	10.82	11.07	435.90	447.95	458.30
Sioux City	40.6	39.3	39.1	8.66	8.58	8.32	351.60	337.19	325.31
Waterloo-Cedar Falls	37.9	39.2	38.1	12.95	13.50	13.38	490.81	529.20	509.78
Kansas	39.2	40.1	39.9	9.22	9.56	9.48	361.42	383.36	378.25
Topeka	38.5	40.0	39.8	9.28	9.72	9.52	357.28	388.80	378.90
Wichita	39.8	41.1	42.1	10.28	10.22	10.04	409.14	420.04	422.68
Kentucky	39.0	39.4	39.3	8.81	9.30	9.30	343.59	366.42	365.49
Lexington-Fayette	38.8	39.2	39.0	9.36	9.78	9.84	363.17	383.38	383.76
Louisville	39.6	41.5	40.0	9.97	10.65	10.52	394.81	441.98	420.80
Louisiana	40.2	41.8	41.0	9.94	10.02	10.10	399.59	418.84	414.10
Baton Rouge	42.4	44.6	43.8	11.53	11.58	11.62	488.87	516.47	508.96
New Orleans	38.4	42.0	40.7	9.06	9.35	9.42	347.90	392.70	383.39
Shreveport	39.9	41.2	39.8	9.76	9.65	9.52	389.42	397.58	378.90
Maine	40.2	40.1	39.7	7.78	7.90	8.16	312.76	316.79	323.95
Lewiston-Auburn	40.7	38.3	38.5	6.26	6.50	6.80	254.78	248.95	261.80
Portland	37.9	38.8	39.6	7.81	7.99	8.34	296.00	310.01	330.26
Maryland	39.9	41.1	40.9	9.00	9.34	9.46	359.10	383.87	386.91
Baltimore	40.7	41.7	41.0	9.43	9.86	9.97	383.80	411.16	408.77
Massachusetts	40.2	40.1	39.5	8.12	8.43	8.53	326.42	338.04	336.94
Boston	39.7	39.9	39.9	8.74	9.10	9.25	346.98	363.09	369.08
Brockton	37.5	39.3	39.0	6.58	6.58	6.49	246.75	258.59	253.11
Fall River	36.6	37.2	35.6	6.55	6.70	6.78	239.73	249.24	241.37
Lawrence-Haverhill	38.7	40.1	39.4	8.03	8.44	8.54	310.76	338.44	336.48
Lowell	39.0	39.1	38.3	7.31	7.85	7.85	285.09	306.94	300.66
New Bedford	37.7	40.1	40.2	7.14	7.43	7.42	269.18	297.94	298.28
Springfield-Chicopee-Holyoke	40.7	41.4	41.0	8.11	8.45	8.49	330.08	349.83	348.09
Worcester	39.2	39.2	39.3	8.40	8.67	8.69	329.28	339.86	341.52
Michigan	42.1	43.4	42.2	11.64	12.24	12.25	489.86	531.24	517.35
Ann Arbor	42.6	45.1	44.3	11.99	12.88	13.10	511.09	580.32	580.36
Battle Creek	41.6	42.1	42.2	12.30	12.56	12.64	511.56	528.27	533.90
Bay City	41.9	41.5	42.4	10.34	10.77	10.84	432.93	447.08	460.26
Detroit	41.9	44.7	42.7	12.22	13.01	12.88	512.20	581.73	550.49
Flint	44.8	44.6	43.9	13.41	14.02	14.07	601.26	625.53	617.52
Grand Rapids	40.5	41.8	41.0	10.10	10.22	10.43	409.23	426.97	427.97
Jackson	39.1	42.5	41.1	9.69	10.08	10.01	378.95	428.85	411.23
Kalamazoo-Portage	40.8	41.8	41.4	10.84	11.50	11.64	442.34	480.06	481.93
Lansing-East Lansing	45.1	43.7	43.5	13.35	13.50	13.73	602.27	590.00	596.75
Muskegon-Norton Shores-Muskegon Heights	39.7	41.1	40.5	10.52	10.87	10.83	417.82	446.39	438.67
Saginaw	43.6	43.5	43.7	13.81	14.26	14.47	602.49	620.56	631.73
Minnesota	39.5	40.5	40.0	9.45	9.64	9.54	373.28	390.42	381.60
Duluth-Superior	38.3	37.5	37.6	10.17	10.74	10.80	389.51	402.75	406.08
Minneapolis-St. Paul	39.4	41.1	40.3	10.03	10.25	10.14	395.18	421.28	408.64
St. Cloud	36.9	38.4	39.5	8.47	8.87	9.02	312.54	340.61	356.29
Mississippi	39.8	40.8	39.9	6.69	6.94	6.87	266.26	283.15	274.11
Jackson	40.3	41.6	39.9	7.52	8.05	8.07	303.06	334.88	321.99
Missouri	39.7	40.9	39.8	8.89	9.25	9.23	352.93	378.33	367.35
Kansas City	40.5	41.6	41.0	9.78	10.58	10.40	396.09	440.13	426.40
St. Joseph	38.5	40.3	39.3	8.29	8.75	8.22	319.17	352.63	323.05
St. Louis	40.0	40.9	40.4	10.02	10.63	10.43	400.80	434.77	421.37
Springfield	40.5	41.5	38.7	8.20	8.14	8.28	332.10	337.81	320.44
Montana	36.7	39.4	38.7	10.64	10.91	10.74	390.49	429.85	415.64
Nebraska	40.7	41.1	40.7	8.66	8.95	8.97	352.46	367.85	365.08
Lincoln	39.8	41.5	42.4	9.15	9.41	9.43	364.17	390.52	399.83
Omaha	39.8	41.4	40.1	9.12	9.31	9.39	362.98	385.43	376.54

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		
	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p
Nevada	38.8	40.1	38.7	\$8.95	\$9.16	\$9.24	\$347.26	\$367.32	\$357.59
Las Vegas	39.4	39.9	37.9	10.87	11.35	11.54	428.28	452.87	437.37
New Hampshire	40.1	40.8	40.4	7.38	7.77	7.90	295.94	317.02	319.16
Manchester	39.5	39.5	36.9	7.10	7.47	7.70	280.45	295.07	284.13
Nashua	40.5	41.7	39.7	8.64	9.25	9.30	349.92	385.73	369.21
New Jersey	40.5	41.2	41.0	9.14	9.32	9.34	370.17	383.98	382.94
Atlantic City	35.2	38.4	38.5	7.66	8.01	8.10	269.63	307.58	311.85
Camden	39.5	39.9	39.9	9.31	9.50	9.57	367.75	379.05	381.84
Hackensack	39.5	40.5	40.5	8.12	8.50	8.50	320.74	344.25	344.25
Jersey City	39.2	39.6	39.5	8.65	8.63	8.67	339.08	341.75	342.47
New Brunswick-Perth Amboy-Sayreville	41.0	42.2	42.0	9.84	9.97	10.06	403.44	420.73	422.52
Newark	40.6	41.7	41.6	9.28	9.70	9.67	376.77	404.49	402.27
Paterson-Clifton-Passaic	40.8	42.1	42.2	8.75	9.33	9.32	357.00	392.79	393.30
Trenton	40.8	41.3	41.7	8.99	9.85	9.87	366.79	406.81	411.58
New Mexico	38.2	40.9	39.9	7.77	7.93	8.11	296.81	324.34	323.59
Albuquerque	36.0	40.9	35.6	7.62	7.71	8.00	289.56	315.34	284.80
New York	38.9	39.7	39.5	8.87	9.18	9.22	345.04	364.45	364.19
Albany-Schenectady-Troy	40.3	40.5	40.8	9.28	9.46	9.58	373.98	383.13	390.86
Binghamton	39.9	40.9	40.9	7.90	8.08	8.09	315.21	330.47	330.88
Buffalo	40.9	41.2	41.1	11.23	11.51	11.49	459.31	474.21	472.24
Elmira	39.8	40.3	40.0	8.96	9.01	9.01	356.61	363.10	360.40
Glens Falls	39.0	39.1	38.6	8.74	9.34	9.37	340.86	365.19	361.68
Monroe County	41.0	42.1	42.0	11.60	11.83	11.92	475.60	498.04	500.64
Nassau-Suffolk	39.6	40.7	40.1	8.71	9.03	9.08	344.92	367.52	364.11
Newburgh-Middletown	38.8	39.3	39.1	6.55	7.00	7.04	254.14	275.10	275.26
New York-Northeastern New Jersey	38.7	39.6	39.4	8.64	8.91	8.92	334.37	352.84	351.45
New York and Nassau-Suffolk	37.4	38.1	37.7	8.20	8.51	8.52	306.68	324.23	321.20
New York SMSA	36.7	37.2	36.9	8.03	8.32	8.32	294.70	309.50	307.01
New York City	36.4	36.9	36.5	7.95	8.22	8.21	289.38	303.32	299.67
Poughkeepsie	43.3	43.1	42.0	8.60	8.68	8.52	372.38	374.11	357.84
Rochester	40.8	41.6	41.3	10.86	11.08	11.11	443.09	460.93	458.84
Rockland County	39.4	40.8	41.0	8.89	9.50	9.37	350.27	387.60	384.17
Syracuse	40.0	41.2	41.1	9.73	10.40	10.49	389.20	428.48	431.14
Utica-Rome	39.7	40.2	40.8	8.21	8.30	8.44	325.94	333.66	344.35
Westchester County	38.0	39.6	39.3	8.51	8.78	8.87	323.38	347.69	348.59
North Carolina	40.1	40.2	39.5	6.69	6.98	7.01	268.27	280.60	276.90
Asheville	39.5	40.6	39.5	6.47	6.91	7.01	255.57	280.55	276.90
Charlotte-Gastonia	41.0	41.6	40.4	6.75	7.01	7.00	276.75	291.62	282.80
Greensboro-Winston-Salem-High Point	38.5	39.7	39.6	7.35	7.67	7.63	282.98	304.50	302.15
Raleigh-Durham	40.8	41.3	40.4	7.91	8.24	8.23	322.73	340.31	332.49
North Dakota	37.9	37.7	38.3	7.78	7.87	7.95	294.86	296.70	304.49
Fargo-Moorhead	37.5	36.4	37.5	8.19	8.29	8.37	307.13	301.76	313.88
Ohio	41.0	42.1	41.8	10.55	10.92	10.91	432.55	459.73	456.04
Akron	42.4	43.8	43.6	10.35	10.87	10.75	438.84	476.11	468.70
Canton	38.8	40.3	40.1	10.59	10.99	10.92	410.89	442.90	437.89
Cincinnati	40.9	41.6	41.2	10.12	10.51	10.49	413.91	437.22	432.19
Cleveland	40.6	42.0	41.0	10.43	10.82	10.69	423.46	454.44	438.29
Columbus	40.5	40.7	40.7	10.04	10.26	10.24	406.62	417.58	416.77
Dayton	42.1	42.3	43.0	10.72	11.09	11.22	451.31	469.11	482.46
Toledo	41.9	43.3	43.2	11.16	11.66	11.60	467.60	504.88	501.12
Youngstown-Warren	42.7	42.9	44.2	12.54	12.85	13.06	535.46	551.27	577.25
Oklahoma	40.9	40.7	41.0	9.23	9.74	10.05	377.51	396.42	412.05
Oklahoma City	40.8	40.7	41.4	9.73	10.17	10.47	396.98	413.92	433.46
Tulsa	40.9	39.6	40.8	9.92	10.38	10.72	405.73	411.05	437.38
Oregon	38.5	38.8	38.7	10.40	10.61	10.64	400.40	411.67	411.77
Eugene-Springfield	38.0	39.4	38.4	10.43	10.66	10.94	396.34	420.00	420.10
Medford	39.1	40.1	38.8	9.78	9.95	9.90	382.40	399.00	384.12
Portland	38.8	39.4	39.1	10.57	10.72	10.83	410.12	422.37	423.45
Salem	34.2	36.1	38.9	8.74	9.42	8.77	298.91	340.06	341.15

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		
	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p
Pennsylvania	39.3	40.2	40.2	\$8.99	\$9.30	\$9.34	\$353.31	\$373.86	\$375.47
Allentown-Bethlehem-Easton	38.0	39.5	39.7	9.30	9.88	9.93	353.40	390.26	394.22
Altoona	38.3	40.7	39.2	7.97	8.03	8.01	305.25	326.82	313.99
Delaware Valley	39.6	39.9	40.0	9.33	9.62	9.65	369.47	383.84	386.00
Erie	40.9	42.3	43.1	9.83	9.82	9.94	402.05	415.39	428.41
Harrisburg	39.8	40.7	40.5	8.48	9.04	9.04	337.50	367.93	366.12
Johnstown	36.5	37.7	36.7	8.29	8.37	8.25	302.59	315.55	302.78
Lancaster	39.4	39.6	39.4	8.38	8.67	8.77	330.17	343.33	345.54
Northeast Pennsylvania	37.2	37.7	37.6	7.44	7.59	7.67	276.77	286.14	288.39
Philadelphia SMSA	39.5	39.0	39.7	9.39	9.80	9.66	370.91	382.20	383.50
Pittsburgh	39.6	41.4	40.6	10.82	11.10	11.06	428.47	459.54	449.04
Reading	39.9	40.4	40.4	8.81	9.43	9.37	351.52	380.97	378.55
Williamsport	37.9	39.9	39.3	7.88	8.15	8.13	298.65	325.19	319.51
York	40.5	41.6	41.2	8.14	8.59	8.60	329.67	357.34	354.32
Rhode Island	38.9	39.6	39.2	6.96	7.11	7.16	270.74	281.56	280.67
Providence-Warwick-Pawtucket	39.0	39.3	38.9	6.88	6.98	7.05	268.32	274.31	274.25
South Carolina	40.2	40.9	40.2	7.08	7.23	7.29	284.62	295.71	293.06
Charleston-North Charleston	40.5	41.2	40.3	8.42	8.57	8.67	341.01	353.08	349.40
Columbia	40.3	40.3	37.0	6.89	7.10	7.16	277.67	286.13	264.92
Greenville-Spartanburg	40.2	40.9	40.5	6.73	7.09	7.05	270.55	289.98	285.52
South Dakota	41.3	42.4	41.8	7.26	6.97	6.98	299.84	295.53	291.76
Sioux Falls	45.1	47.2	46.5	7.83	6.76	6.78	353.13	319.07	315.27
Tennessee	40.3	41.7	40.4	7.47	7.72	7.77	301.04	321.92	313.91
Chattanooga	41.4	43.2	42.3	7.09	7.31	7.24	293.53	315.79	306.25
Knoxville	40.2	41.6	41.6	9.03	9.38	9.41	363.01	390.21	391.46
Memphis	41.1	41.7	41.4	7.93	8.32	8.20	325.92	346.94	339.48
Nashville-Davidson	40.0	42.3	40.9	8.20	8.96	8.89	328.00	379.01	363.60
Texas	40.7	42.1	41.4	8.93	9.09	9.12	363.45	382.69	377.57
Dallas-Fort Worth	41.0	41.9	41.5	8.75	8.94	8.90	358.75	374.59	369.35
Houston	41.0	43.3	43.2	10.86	11.04	11.01	445.26	478.03	475.63
San Antonio	40.4	41.3	40.8	6.56	6.69	6.66	265.02	276.30	271.73
Utah	39.2	39.7	39.7	8.81	8.90	9.05	345.35	353.33	359.29
Salt Lake City-Ogden	39.3	40.2	39.9	8.73	8.71	9.10	343.09	350.14	363.09
Vermont	39.8	40.7	39.7	7.64	7.90	8.01	304.07	321.53	318.00
Burlington	41.1	43.1	41.9	8.59	8.69	8.89	353.05	374.54	372.49
Springfield	38.3	41.1	40.7	7.78	8.17	8.20	297.97	335.79	333.74
Virginia	39.9	40.7	40.3	7.72	8.06	8.11	308.03	328.04	326.83
Bristol	38.7	40.9	40.8	6.70	6.82	6.83	259.29	278.94	278.66
Charlottesville	37.7	41.0	40.2	6.48	6.93	6.89	244.30	284.13	276.98
Danville	41.4	41.1	39.5	7.29	7.47	7.64	301.81	307.02	301.78
Lynchburg	40.1	39.8	40.3	7.38	7.62	7.63	295.94	303.28	307.49
Norfolk-Virginia Beach-Portsmouth	43.4	42.4	41.7	7.96	8.52	8.41	345.46	361.25	350.70
Northern Virginia	41.5	39.7	39.6	8.44	8.59	8.75	350.26	341.02	346.50
Petersburg-Colonial Heights-Hopewell	37.9	41.1	39.7	9.74	10.24	10.45	369.15	420.86	414.87
Richmond	39.4	40.6	40.8	10.32	10.32	10.42	406.61	418.99	425.14
Roanoke	39.9	39.7	40.3	6.98	7.41	7.43	278.50	294.18	299.43
Washington	446.98	(¹)	(¹)	38.8	(¹)	(¹)	11.52	(¹)	(¹)
West Virginia	39.7	40.4	39.5	\$9.89	9.96	10.13	\$392.63	402.38	400.14
Charleston	43.0	42.8	42.1	11.36	12.10	12.35	488.48	517.88	519.94
Huntington-Ashland	38.7	38.9	39.1	11.03	11.77	11.30	426.86	457.85	441.83
Parkersburg-Marietta	41.2	42.7	42.0	10.72	11.07	11.18	441.66	472.69	469.56
Wheeling	38.2	40.7	39.4	11.37	11.33	11.50	434.35	461.13	453.10

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		
	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p	July 1983	June 1984	July 1984 ^p
Wisconsin	40.4	41.3	40.9	\$9.74	\$9.99	\$9.95	\$393.50	\$412.59	\$406.95
Appleton-Oshkosh	42.2	42.5	42.5	9.41	9.70	9.66	397.10	412.25	410.55
Eau Claire	40.6	42.1	40.4	9.42	10.06	9.88	382.45	423.53	399.15
Green Bay	41.7	42.4	42.4	10.29	10.56	10.30	429.09	447.74	436.72
Janesville-Beloit	40.5	40.7	40.2	10.55	11.45	11.57	427.27	466.01	465.11
Kenosha	38.0	39.3	41.1	11.75	11.77	11.85	446.50	462.56	487.03
La Crosse	40.4	37.8	37.8	9.08	8.91	8.78	366.83	336.80	331.88
Madison	40.6	40.4	41.0	9.31	9.88	9.89	377.99	399.15	405.49
Milwaukee	41.0	41.8	41.1	10.87	11.13	11.26	445.67	465.23	462.79
Racine	39.8	39.9	39.2	10.09	10.46	10.52	401.58	417.35	412.38
Sheboygan	38.1	40.0	39.3	9.16	9.64	9.39	349.00	385.60	369.03
Wausau	41.7	42.9	43.5	9.24	9.26	9.46	385.31	397.25	411.51
Wyoming	37.5	41.3	40.1	8.82	9.00	9.04	330.75	371.70	362.50
Puerto Rico	38.9	39.1	38.6	4.84	4.94	5.00	188.28	193.15	193.00
Virgin Islands	40.8	42.8	42.6	10.21	9.25	9.05	416.57	395.90	385.53

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; and Wisconsin.

**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		
	June 1984 ^r	July 1984 ^r	Aug. 1984 ^p	Aug. 1983 to Aug. 1984 ^p	June 1984 to July 1984 ^r	July 1984 to Aug. 1984 ^p
Total	176,991	177,266	177,458	5.5	0.2	0.1
Private sector	145,563	145,871	145,620	6.3	.2	-.2
Mining	2,286	2,264	2,276	9.3	-1.0	.5
Construction	8,575	8,759	8,578	10.9	2.1	-2.1
Manufacturing	41,140	41,211	41,243	6.4	.2	.1
Durable goods	24,703	24,783	24,898	9.1	.3	.5
Nondurable goods	16,436	16,428	16,345	2.5	.0	-.5
Transportation and public utilities	10,657	10,706	10,692	14.0	.5	-.1
Wholesale trade	11,056	11,104	11,157	5.6	.4	.5
Retail trade	25,481	25,468	25,299	4.6	-.1	-.7
Finance, insurance, and real estate	10,746	10,821	10,809	4.4	.7	-.1
Services	35,621	35,538	35,566	4.7	-.2	.1
Government	31,429	31,395	31,838	2.0	-.1	1.4

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	1981	1982				1983				1984	
			IV	I	II	III	IV	I	II	III	IV	I	II'
Business sector													
Output per hour of all persons	100.9	103.7	100.3	100.9	100.3	100.9	101.6	102.2	103.6	104.3	104.7	105.7	106.8
Output	106.3	111.0	108.1	107.1	106.4	106.1	105.8	106.9	110.1	112.5	114.7	117.8	120.7
Hours	105.4	107.1	107.8	106.1	106.1	105.1	104.1	104.7	106.2	107.9	109.5	111.4	113.0
Compensation per hour	155.0	161.7	147.6	151.4	153.9	156.7	158.4	160.2	161.0	161.8	164.2	166.7	167.5
Real compensation per hour	97.3	98.4	95.4	96.9	97.2	97.3	98.0	99.0	98.5	98.0	98.4	98.6	98.2
Unit labor costs	153.6	156.0	147.1	150.0	153.4	155.3	155.9	156.8	155.4	155.1	156.8	157.7	156.9
Unit nonlabor payments	136.8	145.5	139.6	138.0	137.0	135.8	136.5	139.8	144.6	147.9	149.1	151.6	156.3
Implicit price deflator	147.9	152.4	144.6	145.9	147.9	148.7	149.3	151.0	151.7	152.7	154.2	155.6	156.7
Nonfarm business sector													
Output per hour of all persons	100.0	103.4	99.2	99.8	99.4	100.3	100.5	101.6	103.6	104.1	104.4	105.2	106.4
Output	105.9	111.2	107.4	106.4	106.0	106.0	105.2	106.7	110.4	112.7	115.2	118.0	120.8
Hours	106.0	107.5	108.3	106.7	106.7	105.7	104.7	105.1	106.5	108.2	110.3	112.3	113.6
Compensation per hour	154.5	162.0	147.3	151.0	153.2	156.0	157.9	160.1	161.5	162.4	164.0	166.5	168.0
Real compensation per hour	97.0	98.6	95.2	96.7	96.8	96.9	97.7	99.0	98.8	98.3	98.2	98.5	98.5
Unit labor costs	154.5	156.6	148.5	151.4	154.2	155.6	157.1	157.6	155.9	155.9	157.1	158.3	158.0
Unit nonlabor payments	136.9	147.0	138.5	136.9	137.5	136.8	136.4	140.6	146.4	149.4	151.4	152.2	155.8
Implicit price deflator	148.6	153.4	145.1	146.5	148.6	149.3	150.2	151.9	152.7	153.8	155.2	156.3	157.2
Manufacturing													
Output per hour of all persons	107.1	111.6	104.0	105.5	106.3	108.8	107.8	109.1	110.8	113.4	113.1	114.2	115.2
Output	99.3	104.4	103.1	100.6	100.0	99.7	96.7	98.4	102.4	107.2	109.6	113.0	115.3
Hours	92.7	93.5	99.1	95.4	94.1	91.7	89.6	90.2	92.4	94.6	96.9	98.9	100.1
Compensation per hour	158.0	163.4	149.8	154.3	157.2	159.8	161.0	162.7	163.0	163.5	164.6	167.1	168.3
Real compensation per hour	99.2	99.4	96.8	98.8	99.4	99.2	99.6	100.6	99.7	99.0	98.6	98.9	98.7
Unit labor costs	147.6	146.4	144.0	146.2	148.0	146.9	149.3	149.1	147.0	144.1	145.5	146.4	146.1
Durable goods													
Output per hour of all persons	105.6	111.5	102.9	103.6	104.7	107.6	106.6	108.5	110.8	113.5	113.1	115.1	115.9
Output	97.1	102.6	103.0	99.3	98.3	97.4	93.2	95.6	100.1	105.7	109.0	113.9	116.4
Hours	91.9	92.0	100.1	95.9	93.9	90.5	87.4	88.1	90.4	93.2	96.4	98.9	100.4
Compensation per hour	157.6	162.5	149.7	153.7	156.8	159.7	160.7	162.2	162.2	162.5	163.4	165.8	166.9
Real compensation per hour	99.0	98.9	96.7	98.5	99.1	99.2	99.4	100.3	99.2	98.4	97.8	98.1	97.9
Unit labor costs	149.3	145.8	145.5	148.4	149.7	148.4	150.7	149.5	146.5	143.2	144.4	144.0	144.1
Nondurable goods													
Output per hour of all persons	109.2	111.9	105.8	108.5	108.5	110.4	109.6	110.0	110.9	113.3	113.2	112.8	114.3
Output	102.5	107.1	103.4	102.6	102.5	103.1	101.9	102.6	105.7	109.5	110.5	111.7	113.7
Hours	93.9	95.7	97.7	94.6	94.4	93.4	93.0	93.3	95.3	96.6	97.6	99.0	99.6
Compensation per hour	159.0	165.6	149.7	154.9	158.0	160.5	162.7	164.5	165.1	165.7	167.1	169.5	170.6
Real compensation per hour	99.8	100.7	96.7	99.2	99.9	99.7	100.7	101.7	101.0	100.3	100.1	100.3	100.0
Unit labor costs	145.6	148.0	141.5	142.8	145.6	145.4	148.5	149.6	148.8	146.2	147.6	150.2	149.3
Nonfinancial corporations													
Output per all-employee hour	102.6	106.1	101.3	102.2	102.1	103.3	103.2	104.0	105.8	107.2	107.2	108.1	108.6
Output	107.7	112.6	109.9	108.7	108.0	107.9	106.4	107.5	111.4	114.7	117.0	120.2	122.7
Hours	105.0	106.2	108.5	106.4	105.8	104.5	103.1	103.4	105.2	106.9	109.2	111.2	113.0
Compensation per hour	154.6	161.0	147.1	151.1	153.5	156.2	157.7	159.2	160.6	161.8	162.6	164.8	165.8
Real compensation per hour	97.0	97.9	95.1	96.7	97.0	97.0	97.5	98.4	98.2	98.0	97.4	97.5	97.2
Total unit costs	154.3	155.2	148.7	151.5	154.0	154.7	157.0	156.7	155.2	154.4	154.7	155.0	155.3
Unit labor costs	150.6	151.8	145.2	147.9	150.3	151.3	152.9	153.1	151.7	150.9	151.7	152.5	152.7
Unit nonlabor costs	164.8	164.9	158.5	161.6	164.3	164.4	168.8	167.0	165.1	164.4	163.3	162.0	162.8
Unit profits	84.6	117.2	100.2	89.4	86.8	86.6	75.6	92.5	111.6	126.6	135.9	143.2	147.9
Implicit price deflator	146.3	150.9	143.1	144.3	146.3	146.9	147.7	149.4	150.2	151.2	152.6	153.6	154.5

' =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					
	I 1983	II 1983	III 1983	IV 1983	I 1984	II 1984'	I 1983	II 1983	III 1983	IV 1983	I 1984	II 1984'
Business sector												
Output per hour of all persons	2.1	5.9	2.8	1.4	4.0	4.0	1.2	3.3	3.4	3.1	3.5	3.1
Output	4.4	12.4	9.3	7.8	11.4	10.1	-2	3.4	6.1	8.4	10.2	9.6
Hours	2.2	6.1	6.4	6.2	7.2	5.8	-1.4	.1	2.6	5.2	6.5	6.4
Compensation per hour	4.4	2.2	2.0	6.1	6.2	1.9	5.8	4.6	3.3	3.7	4.1	4.0
Real compensation per hour	4.1	-2.1	-2.1	1.6	1.2	-1.7	2.1	1.3	.7	.3	-4	-3
Unit labor costs	2.2	-3.5	-8	4.6	2.1	-2.0	4.5	1.3	-1	.6	.6	1.0
Unit nonlabor payments	10.2	14.5	9.5	3.1	7.0	12.9	1.3	5.5	6.9	9.2	8.4	8.1
Implicit price deflator	4.6	1.9	2.5	4.1	3.7	2.7	3.5	2.6	2.7	3.3	3.0	3.3
Nonfarm business sector												
Output per hour of all persons	4.4	8.1	2.1	1.0	2.9	4.7	1.8	4.3	3.9	3.9	3.5	2.7
Output	6.0	14.3	8.7	9.1	10.3	9.6	.3	4.1	6.3	9.5	10.6	9.4
Hours	1.5	5.7	6.5	8.0	7.2	4.7	-1.5	-2	2.3	5.4	6.9	6.6
Compensation per hour	5.7	3.5	2.2	4.1	6.1	3.7	6.0	5.4	4.1	3.9	4.0	4.0
Real compensation per hour	5.4	-8	-1.9	-3	1.0	.0	2.4	2.0	1.5	.6	-.5	-3
Unit labor costs	1.3	-4.2	.1	3.0	3.1	-9	4.1	1.1	.2	.0	.4	1.3
Unit nonlabor payments	12.7	17.8	8.4	5.3	2.3	9.7	2.7	6.5	9.2	10.9	8.3	6.4
Implicit price deflator	4.6	2.2	2.7	3.7	2.8	2.5	3.7	2.8	3.0	3.3	2.9	2.9
Manufacturing												
Output per hour of all persons	4.8	6.4	9.7	-1.0	3.7	3.6	3.4	4.3	4.3	4.9	4.7	4.0
Output	7.3	17.1	20.5	9.1	12.9	6.5	-2.2	2.4	7.6	13.4	14.8	12.7
Hours	2.4	10.0	9.8	10.2	8.8	4.7	-5.4	-1.8	3.1	8.1	9.7	8.4
Compensation per hour	4.2	.6	1.3	2.9	6.2	2.9	5.5	3.6	2.3	2.2	2.7	3.3
Real compensation per hour	3.9	-3.5	-2.8	-1.5	1.1	-8	1.8	.3	-3	-1.0	-1.7	-1.0
Unit labor costs	-5	-5.5	-7.7	3.9	2.3	-7	2.0	-6	-1.9	-2.6	-1.9	-6
Durable goods												
Output per hour of all persons	7.2	8.7	10.2	-1.2	7.2	2.6	4.7	5.7	5.5	6.1	6.1	4.6
Output	10.7	20.5	24.2	13.2	18.9	9.1	-3.8	1.8	8.5	17.0	19.2	16.2
Hours	3.3	10.9	12.8	14.6	10.9	6.3	-8.1	-3.7	2.9	10.3	12.3	11.1
Compensation per hour	3.9	.1	.8	2.1	6.1	2.8	5.5	3.4	1.8	1.7	2.2	2.9
Real compensation per hour	3.6	-4.1	-3.2	-2.3	1.1	-9	1.8	.1	-8	-1.6	-2.2	-1.3
Unit labor costs	-3.1	-7.9	-8.5	3.3	-1.0	.2	.7	-2.2	-3.5	-4.2	-3.7	-1.6
Nondurable goods												
Output per hour of all persons	1.5	3.4	9.0	-.6	-1.3	5.1	1.4	2.2	2.7	3.3	2.6	3.0
Output	2.8	12.5	15.3	3.4	4.4	7.7	.1	3.1	6.2	8.4	8.8	7.8
Hours	1.3	8.8	5.8	4.0	5.8	2.4	-1.4	.9	3.5	4.9	6.1	4.5
Compensation per hour	4.5	1.4	1.4	3.4	5.8	2.7	6.2	4.5	3.2	2.7	3.0	3.3
Real compensation per hour	4.1	-2.8	-2.6	-1.0	.8	-9	2.5	1.1	.6	-.6	-1.4	-.9
Unit labor costs	2.9	-1.9	-7.0	4.0	7.2	-2.3	4.7	2.2	.6	-.8	.4	.3
Nonfinancial corporations												
Output per all-employee hour	3.2	7.5	5.3	-.2	3.6	1.7	1.8	3.7	3.8	3.9	4.0	2.6
Output	4.4	15.1	12.4	8.4	11.6	8.5	-1.1	3.1	6.3	10.0	11.8	10.2
Hours	1.2	7.1	6.7	8.6	7.7	6.7	-2.8	-.6	2.4	5.9	7.5	7.4
Compensation per hour	3.9	3.5	3.1	2.0	5.7	2.3	5.4	4.6	3.8	3.1	3.6	3.2
Real compensation per hour	3.5	-.8	-1.0	-2.4	.7	-1.3	1.7	1.3	1.0	-.2	-.9	-1.0
Total unit costs	-.7	-3.9	-2.0	.8	.6	1.0	3.5	.8	-.2	-1.5	-1.1	.1
Unit labor costs .....	.7	-3.7	-2.1	2.1	2.0	.6	3.5	.9	-.2	-.8	-.4	.7
Unit nonlabor costs	-4.1	-4.5	-1.7	-2.6	-3.2	2.1	3.3	.5	.0	-3.2	-3.0	-1.4
Unit profits	124.6	112.8	64.8	32.6	23.4	13.6	3.5	28.7	46.3	79.8	54.8	32.3
Implicit price deflator	4.7	2.3	2.8	3.6	2.7	2.3	3.5	2.7	3.0	3.3	2.8	2.8

' = 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		
	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P
Alabama	1,798.8	1,794.8	1,798.7	253.5	195.1	211.4	14.1	10.9	11.8
Birmingham	398.8	396.4	396.9	50.7	38.3	39.6	12.7	9.7	10.0
Huntsville	163.0	167.3	168.3	17.5	14.1	16.2	10.7	8.4	9.6
Mobile	204.2	201.6	202.7	31.8	24.4	25.1	15.6	12.1	12.4
Montgomery	131.4	132.9	132.0	14.8	12.1	12.2	11.3	9.1	9.3
Tuscaloosa	56.6	57.7	57.3	7.2	5.8	5.9	12.8	10.1	10.2
Alaska	249.5	249.0	256.1	22.3	24.7	23.4	8.9	9.9	9.1
Arizona	1,363.3	1,393.1	1,375.7	132.6	73.0	68.8	9.7	5.2	5.0
Phoenix	842.6	880.2	871.9	61.3	34.3	31.3	7.3	3.9	3.6
Tucson	249.6	257.3	251.6	22.6	11.0	9.9	9.1	4.3	3.9
Arkansas	1,034.5	1,073.2	1,068.9	101.9	97.8	98.1	9.8	9.1	9.2
Fayetteville-Springdale	83.4	86.7	86.9	5.8	4.9	4.9	7.0	5.6	5.7
Fort Smith	93.7	95.2	94.5	9.6	9.2	8.4	10.3	9.7	8.9
Little Rock-North Little Rock	200.0	206.6	205.7	15.9	14.6	15.0	8.0	7.1	7.3
Pine Bluff	37.6	39.3	38.5	3.9	4.0	4.1	10.5	10.1	10.5
California¹	12,451.4	12,699.2	12,800.3	1,183.2	940.7	1,072.1	9.5	7.4	8.4
Anaheim-Santa Ana-Garden Grove	1,242.7	1,299.1	1,296.1	78.9	54.1	59.8	6.3	4.2	4.6
Bakersfield	222.2	228.3	226.9	26.2	23.0	25.0	11.8	10.1	11.0
Fresno	300.0	309.9	309.9	35.4	32.4	34.6	11.8	10.4	11.2
Los Angeles-Long Beach	3,808.0	3,794.0	3,863.0	399.0	319.0	368.0	10.5	8.4	9.5
Modesto	144.3	143.5	148.7	25.1	22.4	22.1	17.4	15.6	14.9
Oxnard-Simi Valley-Ventura	272.2	275.4	277.9	25.6	19.7	25.8	9.4	7.2	9.3
Riverside-San Bernardino-Ontario	648.7	668.1	670.8	70.9	53.4	65.3	10.9	8.0	9.7
Sacramento	531.9	545.8	550.0	50.2	40.7	45.6	9.4	7.5	8.3
Salinas-Seaside-Monterey	152.9	155.8	158.2	13.8	12.4	13.8	8.9	8.0	8.8
San Diego	859.5	895.6	896.6	70.1	49.3	59.0	8.2	5.5	6.6
San Francisco-Oakland	1,777.4	1,815.0	1,818.7	137.5	107.0	122.2	7.7	5.9	6.7
San Jose	862.7	889.3	893.1	60.0	42.3	46.1	7.0	4.8	5.2
Santa Barbara-Santa Maria-Lompoc	166.4	170.1	170.0	11.2	8.8	10.0	6.7	5.2	5.9
Santa Rosa	147.9	155.8	154.3	12.5	9.8	11.1	8.4	6.3	7.2
Stockton	183.5	186.2	187.6	26.7	22.6	22.7	14.6	12.2	12.1
Vallejo-Fairfield-Napa	143.5	148.1	150.0	14.2	11.6	13.3	9.9	7.8	8.9
Colorado	1,692.5	1,743.3	1,740.4	102.9	87.5	84.6	6.1	5.0	4.9
Denver-Boulder	1,005.2	1,040.9	1,033.8	52.2	44.3	43.0	5.2	4.3	4.2
Connecticut	1,625.4	1,682.2	1,683.4	98.2	71.8	73.6	6.0	4.3	4.4
Bridgeport	193.7	195.7	194.9	13.3	9.8	9.8	6.9	5.0	5.0
Hartford	392.5	404.0	404.3	22.1	16.2	16.1	5.6	4.0	4.0
New Britain	70.6	71.2	71.1	5.7	3.4	4.0	8.0	4.8	5.6
New Haven-West Haven	201.7	211.8	214.4	13.2	9.9	9.4	6.5	4.7	4.4
Stamford	127.4	130.6	130.8	4.9	3.6	3.4	3.9	2.7	2.6
Waterbury	104.8	108.5	109.5	7.6	5.2	6.4	7.3	4.8	5.8
Delaware	306.7	314.4	313.4	24.6	20.9	21.2	8.0	6.6	6.8
Wilmington	266.7	271.6	269.5	22.3	20.0	20.7	8.4	7.4	7.7
District of Columbia	341.1	315.6	334.3	39.7	28.0	29.9	11.6	8.9	8.9
Washington SMSA	1,814.5	1,855.4	1,865.8	93.2	76.6	78.0	5.1	4.1	4.2
Florida¹	5,006.0	5,067.0	5,162.5	408.2	336.0	351.2	8.2	6.6	6.8
Daytona Beach	125.0	127.3	129.2	7.8	6.6	5.9	6.3	5.2	4.6
Fort Lauderdale-Hollywood	525.4	528.9	539.8	35.0	28.1	29.0	6.7	5.3	5.4
Fort Myers-Cape Coral	105.7	111.4	110.4	7.2	6.4	6.0	6.8	5.7	5.4
Gainesville	85.4	83.6	87.4	3.5	3.0	3.6	4.1	3.6	4.1
Jacksonville	373.7	377.8	385.1	25.8	22.4	22.5	6.9	5.9	5.8
Lakeland-Winter Haven	152.6	143.8	149.6	27.2	18.9	23.1	17.8	13.1	15.5
Melbourne-Titusville-Cocoa	142.3	145.7	149.5	10.5	8.4	8.1	7.4	5.7	5.4
Miami	873.9	868.6	886.8	80.6	69.8	70.5	9.2	8.0	7.9
Orlando	428.1	453.4	460.1	28.9	25.7	26.6	6.7	5.7	5.8
Pensacola	136.6	139.8	143.3	9.9	8.2	8.5	7.2	5.9	6.0
Sarasota	93.6	93.6	95.4	5.0	4.1	3.9	5.3	4.4	4.1
Tallahassee	90.2	94.6	97.0	4.2	4.0	4.0	4.6	4.2	4.1
Tampa-St. Petersburg	797.6	793.5	806.0	54.5	42.7	43.0	6.8	5.4	5.3
West Palm Beach-Boca Raton	305.4	314.9	321.5	28.4	23.2	25.9	9.3	7.4	8.1

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		
	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P
Georgia	2,710.7	2,816.7	2,818.2	208.8	173.5	180.6	7.7	6.2	6.4
Albany	53.0	53.8	54.2	5.3	4.6	5.1	10.0	8.6	9.3
Athens	65.6	67.5	66.0	4.4	3.6	3.8	6.7	5.3	5.7
Atlanta	1,134.8	1,189.2	1,188.7	70.8	61.1	57.7	6.2	5.1	4.9
Augusta	136.5	137.2	137.0	12.9	9.6	9.4	9.4	7.0	6.9
Columbus	90.5	94.0	93.5	7.6	8.9	7.4	8.4	9.4	7.9
Macon	110.2	111.1	110.5	9.0	7.8	7.7	8.1	7.1	6.9
Savannah	99.4	100.4	99.9	9.3	7.3	7.7	9.3	7.2	7.7
Hawaii	480.0	483.3	484.1	30.6	29.4	29.3	6.4	6.1	6.1
Honolulu	365.3	368.9	369.2	20.8	20.0	20.2	5.7	5.4	5.5
Idaho	467.1	474.6	472.2	44.5	29.2	30.3	9.5	6.1	6.4
Boise City	98.5	97.3	96.0	7.2	4.8	4.6	7.3	5.0	4.7
Illinois ¹	5,676.0	5,736.0	5,665.5	665.2	505.7	489.2	11.7	8.8	8.6
Bloomington-Normal	63.4	65.2	63.4	5.1	4.0	3.8	8.1	6.2	6.1
Champaign-Urbana-Rantoul	84.7	86.2	85.5	5.9	4.8	4.6	6.9	5.5	5.3
Chicago	3,512.9	3,552.8	3,512.4	378.4	297.1	285.5	10.8	8.4	8.1
Davenport-Rock Island-Moline	191.3	187.8	186.3	27.4	18.4	18.4	14.3	9.8	9.9
Decatur	62.6	62.1	62.9	9.5	5.7	6.1	15.2	9.1	9.8
Kankakee	43.0	41.9	41.7	7.0	5.4	5.4	16.2	12.9	12.9
Peoria	175.0	170.7	169.7	29.0	17.9	17.2	16.6	10.5	10.1
Rockford	139.6	142.5	139.8	19.2	12.5	12.0	13.7	8.8	8.6
Springfield	106.7	107.5	106.6	8.6	7.2	6.9	8.1	6.7	6.5
Indiana	2,590.7	2,658.1	2,671.1	271.8	226.8	216.6	10.5	8.5	8.1
Anderson	56.4	57.4	57.4	6.3	4.9	4.2	11.1	8.5	7.4
Elkhart	78.6	87.6	88.9	5.0	5.1	5.8	6.3	5.8	6.5
Evansville	150.9	153.7	154.1	16.5	14.2	12.9	10.9	9.2	8.4
Fort Wayne	186.5	187.1	188.8	18.8	14.2	13.4	10.1	7.6	7.1
Gary-Hammond-East Chicago	277.1	269.6	270.0	40.1	36.0	35.9	14.5	13.4	13.3
Indianapolis	611.3	629.6	634.5	56.9	45.2	41.4	9.3	7.2	6.5
Lafayette-West Lafayette	60.7	62.4	62.6	4.6	3.9	3.3	7.6	6.3	5.2
Muncie	53.3	53.2	53.1	6.6	5.0	4.5	12.3	9.3	8.6
South Bend	140.5	148.5	151.6	13.9	10.4	13.1	9.9	7.0	8.6
Terre Haute	79.9	81.3	81.3	9.8	7.6	6.9	12.2	9.3	8.4
Iowa	1,455.2	1,446.1	1,425.3	111.2	94.2	91.3	7.6	6.5	6.4
Cedar Rapids	84.3	83.4	81.9	6.9	5.8	5.6	8.2	7.0	6.8
Des Moines	187.6	186.0	183.6	13.4	10.2	9.5	7.2	5.5	5.2
Dubuque	43.6	42.8	42.3	4.9	3.3	3.3	11.1	7.7	7.8
Sioux City	55.1	55.3	54.4	4.0	4.0	4.2	7.2	7.2	7.8
Waterloo-Cedar Falls	65.7	62.9	62.4	7.5	6.4	6.4	11.4	10.1	10.3
Kansas	1,200.1	1,217.1	1,209.8	68.8	59.1	58.0	5.7	4.9	4.8
Lawrence	32.6	32.5	32.2	1.7	1.6	1.5	5.4	4.8	4.6
Topeka	95.6	97.4	97.2	6.0	5.2	5.2	6.3	5.3	5.4
Wichita	225.7	230.1	231.1	16.9	12.9	12.6	7.5	5.6	5.5
Kentucky	1,694.2	1,770.9	1,732.4	202.4	157.7	168.7	11.9	8.9	9.7
Lexington-Fayette	184.5	191.0	186.8	10.6	8.8	9.9	5.8	4.6	5.3
Louisville	430.3	444.0	442.2	46.0	37.8	39.0	10.7	8.5	8.8
Owensboro	45.1	47.0	47.3	5.2	4.2	5.3	11.5	9.0	11.2
Louisiana	1,934.3	1,965.3	1,953.2	233.9	185.1	181.9	12.1	9.4	9.3
Alexandria	77.7	78.8	78.1	9.0	7.3	7.2	11.6	9.3	9.2
Baton Rouge	241.6	249.8	250.5	25.1	20.6	20.5	10.4	8.3	8.2
Lafayette	97.1	98.5	98.5	8.5	6.0	5.8	8.8	6.1	5.9
Lake Charles	79.3	76.9	76.4	11.4	10.5	10.3	14.4	13.7	13.5
Monroe	60.9	61.1	60.7	6.7	5.7	5.7	10.9	9.3	9.3
New Orleans	537.6	545.4	540.9	56.2	47.1	46.6	10.5	8.6	8.6
Shreveport	171.9	176.1	171.9	19.6	13.2	12.9	11.4	7.5	7.5
Maine	563.2	577.7	587.9	58.9	33.6	40.3	10.5	5.8	6.9
Lewiston-Auburn	39.6	41.0	41.1	6.2	2.5	4.4	15.6	6.1	10.7
Portland	98.1	109.1	108.6	7.0	4.1	4.5	7.2	3.7	4.1
Maryland	2,240.0	2,268.5	2,268.5	147.3	113.7	120.5	6.6	5.0	5.3
Baltimore	1,100.0	1,100.5	1,102.0	82.2	63.7	67.4	7.5	5.8	6.1

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		
	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P
Massachusetts¹	3,029.4	3,083.8	3,093.8	188.9	137.9	134.3	6.2	4.5	4.3
Boston	1,458.4	1,493.6	1,508.4	78.2	59.7	56.5	5.4	4.0	3.7
Brockton	81.5	83.4	83.2	6.2	4.5	4.6	7.6	5.4	5.5
Fall River	78.5	78.4	78.0	7.5	5.0	5.5	9.5	6.4	7.0
Fitchburg-Leominster	50.2	52.3	51.2	4.0	2.5	2.3	8.0	4.8	4.5
Lawrence-Haverhill	149.8	149.0	149.8	11.4	8.3	8.5	7.6	5.6	5.6
Lowell	138.5	145.6	145.3	7.1	5.6	5.4	5.1	3.9	3.7
New Bedford	85.2	89.2	88.6	7.7	5.4	5.7	9.1	6.1	6.5
Pittsfield	67.9	68.7	69.2	4.8	3.4	3.6	7.1	5.0	5.3
Springfield-Chicopee-Holyoke	289.4	288.4	285.0	19.7	13.5	13.3	6.8	4.7	4.7
Worcester	194.4	191.9	190.3	13.5	9.0	9.0	6.9	4.7	4.7
Michigan¹	4,418.8	4,451.5	4,480.3	576.8	502.7	505.7	13.1	11.3	11.3
Ann Arbor	148.7	(?)	(?)	13.3	(?)	(?)	8.9	(?)	(?)
Battle Creek	81.9	(?)	(?)	10.4	(?)	(?)	12.7	(?)	(?)
Bay City	54.8	(?)	(?)	8.6	(?)	(?)	15.7	(?)	(?)
Benton Harbor	73.6	(?)	(?)	10.6	(?)	(?)	14.4	(?)	(?)
Detroit	2,023.2	(?)	(?)	276.0	(?)	(?)	13.6	(?)	(?)
Flint	229.8	(?)	(?)	37.9	(?)	(?)	16.5	(?)	(?)
Grand Rapids	344.4	(?)	(?)	37.1	(?)	(?)	10.8	(?)	(?)
Jackson	66.9	(?)	(?)	10.0	(?)	(?)	14.9	(?)	(?)
Kalamazoo-Portage	142.7	(?)	(?)	14.5	(?)	(?)	10.2	(?)	(?)
Lansing-East Lansing	246.6	(?)	(?)	22.1	(?)	(?)	9.0	(?)	(?)
Muskegon-Norton Shores-Muskegon Heights	79.0	(?)	(?)	11.8	(?)	(?)	14.9	(?)	(?)
Saginaw	101.0	(?)	(?)	13.1	(?)	(?)	13.0	(?)	(?)
Minnesota	2,209.8	2,315.3	2,290.3	165.0	143.0	137.4	7.5	6.2	6.0
Duluth-Superior	108.3	107.6	104.6	16.3	11.2	10.5	15.0	10.4	10.0
Minneapolis-St.Paul	1,178.9	1,251.9	1,234.7	76.4	63.2	62.1	6.5	5.0	5.0
Rochester	60.5	60.7	60.9	3.1	2.7	2.5	5.2	4.4	4.2
St. Cloud	79.0	83.7	82.8	6.9	6.0	6.3	8.7	7.1	7.7
Mississippi	1,085.1	1,069.9	1,079.1	144.2	113.0	117.3	13.3	10.6	10.9
Jackson	161.9	163.5	163.8	14.0	10.8	11.5	8.6	6.6	7.0
Missouri	2,376.1	2,429.7	2,392.3	239.8	174.8	165.5	10.1	7.2	6.9
Kansas City	698.0	705.6	695.6	58.0	38.1	35.8	8.3	5.4	5.2
St. Joseph	47.1	46.6	46.1	4.8	4.0	3.7	10.1	8.6	8.1
St. Louis	1,164.5	1,186.1	1,168.1	126.1	97.4	89.9	10.8	8.2	7.7
Springfield	113.2	114.4	116.6	8.9	6.2	6.2	7.9	5.4	5.3
Montana	405.8	422.8	418.4	35.0	32.5	31.0	8.6	7.7	7.4
Nebraska	813.8	812.9	808.6	43.6	29.1	31.6	5.4	3.6	3.9
Lincoln	107.3	108.4	107.7	4.5	2.9	3.2	4.2	2.7	2.9
Omaha	292.7	298.0	294.8	16.8	13.8	14.0	5.8	4.6	4.8
Nevada	490.3	496.9	496.9	46.4	34.8	36.7	9.5	7.0	7.4
Las Vegas	271.6	276.5	277.9	27.8	22.4	23.9	10.3	8.0	8.6
Reno	133.4	134.1	134.4	10.2	6.6	6.9	7.6	4.9	5.1
New Hampshire	519.0	529.5	539.8	28.9	20.6	24.1	5.6	3.9	4.5
Manchester	89.3	92.7	92.8	5.5	3.2	3.8	6.1	3.4	4.1
Nashua	89.3	94.8	94.7	4.0	2.5	2.7	4.5	2.7	2.8
New Jersey¹	3,739.3	3,825.1	3,879.8	309.5	202.0	244.8	8.3	5.3	6.3
Atlantic City	131.0	135.6	140.8	11.2	7.8	9.9	8.6	5.7	7.0
Jersey City	239.9	239.2	243.7	32.1	22.1	26.2	13.4	9.3	10.7
Long Branch-Asbury Park	261.4	273.8	280.4	18.8	12.9	15.2	7.2	4.7	5.4
New Brunswick-Perth Amboy-Sayreville	342.9	349.9	355.8	26.9	17.1	21.9	7.8	4.9	6.1
Newark	993.2	1,020.3	1,032.8	79.1	51.4	62.0	8.0	5.0	6.0
Paterson-Clifton-Passaic	219.1	224.3	228.9	23.7	15.7	19.9	10.8	7.0	8.7
Trenton	162.4	168.3	169.8	12.1	7.0	8.9	7.5	4.2	5.2
Vineland-Millville-Bridgeton	57.8	57.9	58.8	8.3	6.9	7.5	14.3	11.9	12.7
New Mexico	620.3	624.8	623.7	64.4	46.2	46.3	10.4	7.4	7.4
Albuquerque	234.8	240.9	240.8	20.2	15.5	15.4	8.6	6.4	6.4
Las Cruces	40.4	44.5	41.8	4.0	3.2	3.5	9.8	7.2	8.4

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		
	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P
New York¹	8,397.6	8,069.9	8,340.8	731.0	582.9	680.1	8.7	7.2	8.2
Albany-Schenectady-Troy	391.7	381.9	386.1	27.6	20.3	22.3	7.1	5.3	5.8
Binghamton	145.1	141.9	143.4	10.9	7.2	8.0	7.5	5.1	5.6
Buffalo	553.4	521.6	535.1	63.1	43.2	48.3	11.4	8.3	9.0
Elmira	36.4	36.8	37.6	3.6	2.5	2.8	9.3	6.8	7.5
Glens-Falls	53.0	47.8	51.5	3.7	2.6	3.0	7.1	5.5	5.8
Nassau-Suffolk	1,476.4	1,433.3	1,462.1	94.7	69.8	79.8	6.4	4.9	5.5
New York	3,774.3	3,642.9	3,813.3	367.4	326.6	394.6	9.7	9.0	10.3
New York City	3,116.0	3,009.0	3,164.0	331.0	300.0	364.0	10.6	10.0	11.5
Newburgh-Middletown	116.8	109.9	112.6	8.9	6.1	6.5	7.6	5.6	5.8
Poughkeepsie	122.5	117.5	120.5	7.7	4.8	5.7	6.3	4.1	4.7
Rochester	491.8	472.7	480.0	41.1	26.1	28.0	8.4	5.5	5.8
Syracuse	315.1	302.1	309.1	22.1	16.3	17.8	7.0	5.4	5.8
Utica-Rome	139.4	134.3	138.3	11.6	8.2	9.6	8.3	6.1	6.9
North Carolina	2,977.0	3,075.4	3,075.6	263.3	191.1	201.4	8.8	6.2	6.5
Asheville	89.3	91.5	91.2	7.0	5.5	5.8	7.8	6.1	6.4
Charlotte-Gastonia	373.9	392.4	390.0	27.3	18.1	20.4	7.3	4.6	5.2
Greensboro-Winston-Salem-High Point	442.1	463.1	458.3	36.0	24.8	24.6	8.1	5.4	5.4
Raleigh-Durham	321.2	340.1	341.2	15.7	11.6	11.8	4.9	3.4	3.5
North Dakota	342.7	340.4	349.2	17.0	14.5	15.0	5.0	4.3	4.3
Fargo-Moorehead	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Ohio¹	5,287.0	5,183.2	5,291.8	577.0	468.5	447.1	10.9	9.0	8.4
Akron	313.6	306.9	315.8	33.8	29.0	26.9	10.8	9.5	8.5
Canton	193.1	188.1	191.4	24.2	18.9	17.2	12.5	10.1	9.0
Cincinnati	703.4	709.9	718.7	66.2	58.2	56.4	9.4	8.2	7.8
Cleveland	966.5	932.7	954.0	99.3	82.2	78.5	10.3	8.8	8.2
Columbus	599.8	605.6	614.1	50.7	43.7	41.9	8.4	7.2	6.8
Dayton	400.0	398.7	406.4	37.4	30.6	28.7	9.4	7.7	7.1
Toledo	382.1	(²)	(²)	44.4	(²)	(²)	11.6	(²)	(²)
Youngstown-Warren	233.4	222.0	226.6	33.9	23.8	22.6	14.5	10.7	10.0
Oklahoma	1,573.6	1,598.9	1,593.1	150.6	105.0	104.1	9.6	6.6	6.5
Enid	33.1	32.2	32.3	2.6	1.8	1.8	7.8	5.7	5.6
Lawton	41.7	41.7	41.8	2.7	2.3	2.2	6.4	5.4	5.4
Oklahoma City	484.9	501.8	499.2	34.1	24.8	24.2	7.0	4.9	4.8
Tulsa	380.2	376.2	379.3	39.9	27.8	26.8	10.5	7.3	7.1
Oregon	1,352.1	1,339.8	1,333.9	138.7	123.1	118.2	10.3	9.2	8.9
Eugene-Springfield	131.6	133.4	129.9	13.8	12.0	11.7	10.5	9.0	9.0
Medford	64.9	66.5	65.7	7.3	6.4	6.2	11.2	9.7	9.5
Portland	675.4	663.0	663.6	67.3	54.2	52.6	10.0	8.2	7.9
Salem	128.0	126.1	125.0	11.4	11.3	9.7	8.9	9.0	7.8
Pennsylvania¹	5,687.0	5,639.7	5,678.1	618.6	517.9	539.9	10.9	9.2	9.5
Allentown-Bethlehem-Easton	321.2	319.4	321.0	34.0	28.5	30.0	10.6	8.9	9.3
Altoona	59.8	57.0	57.9	9.7	6.3	6.6	16.2	11.1	11.4
Erie	129.3	126.1	127.5	16.7	12.1	12.1	12.9	9.6	9.5
Harrisburg	248.9	251.2	253.1	15.8	13.3	13.6	6.3	5.3	5.4
Johnstown	109.3	104.4	105.9	21.4	14.9	15.7	19.6	14.3	14.9
Lancaster	192.7	194.0	194.3	11.9	9.8	9.7	6.2	5.0	5.0
Northeast Pennsylvania	303.7	302.6	308.5	35.4	33.0	39.2	11.7	10.9	12.7
Philadelphia	2,286.5	2,309.9	2,323.4	185.1	160.4	167.4	8.1	6.9	7.2
Pittsburgh	1,065.7	1,034.1	1,041.9	140.1	116.6	120.7	13.1	11.3	11.6
Reading	164.1	167.9	166.1	15.1	12.5	12.4	9.2	7.5	7.5
Sharon	54.8	52.6	52.1	9.0	6.6	6.4	16.4	12.6	12.4
State College	52.4	51.6	52.8	5.3	4.4	4.4	10.0	8.5	8.4
Williamsport	53.4	54.3	54.1	7.2	6.0	5.9	13.4	11.0	11.0
York	183.4	186.0	187.4	19.2	15.0	17.5	10.5	8.0	9.4
Rhode Island	484.0	491.1	492.3	46.6	31.3	33.6	9.6	6.4	6.8
Providence-Warwick-Pawtucket	472.2	476.7	476.6	46.6	30.9	33.4	9.9	6.5	7.0
South Carolina	1,485.8	1,522.4	1,522.6	145.6	102.3	106.2	9.8	6.7	7.0
Charleston-North Charleston	177.9	188.2	185.9	15.9	10.6	10.1	8.9	5.6	5.4
Columbia	199.0	207.9	206.4	13.5	9.9	9.9	6.8	4.8	4.8
Greenville-Spartanburg	285.5	295.3	293.3	25.1	17.1	17.7	8.8	5.8	6.0
South Dakota	348.1	359.3	352.9	17.0	15.3	13.2	4.9	4.3	3.8
Sioux Falls	66.7	71.1	70.3	2.6	2.2	2.2	3.9	3.1	3.1

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		
	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P	July 1983	June 1984	July 1984 ^P
Tennessee	2,210.7	2,227.3	2,229.2	261.7	194.3	202.1	11.8	8.7	9.1
Chattanooga	192.0	198.7	199.2	19.5	16.9	16.2	10.2	8.5	8.1
Johnson City-Kingsport-Bristol	203.8	210.0	212.3	23.3	18.3	18.3	11.4	8.7	8.6
Knoxville	232.1	232.8	231.3	25.1	17.9	17.9	10.8	7.7	7.7
Memphis	441.5	416.7	413.8	42.3	32.8	31.3	9.6	7.9	7.6
Nashville-Davidson	453.6	471.1	470.3	38.9	27.8	28.5	8.6	5.9	6.1
Texas¹	7,716.0	8,090.5	8,186.4	636.7	444.7	516.1	8.3	5.5	6.3
Abilene	77.0	79.8	80.2	4.1	2.9	3.6	5.3	3.6	4.4
Amarillo	98.9	105.1	106.1	5.2	4.3	5.0	5.3	4.1	4.7
Austin	322.7	351.8	356.6	14.6	11.2	12.8	4.5	3.2	3.6
Beaumont-Port Arthur	181.6	185.2	189.1	25.9	20.0	22.6	14.3	10.8	12.0
Brownsville-Harlingen-San Benito	91.2	94.0	96.5	14.4	11.4	14.1	15.8	12.1	14.6
Bryan-College Station	53.3	56.3	57.0	2.6	2.1	2.4	4.9	3.7	4.1
Corpus Christi	170.5	170.9	174.1	20.5	13.3	15.5	12.0	7.8	8.9
Dallas-Fort Worth	1,822.6	1,953.0	1,983.6	96.8	67.2	79.6	5.3	3.4	4.0
El Paso	196.7	205.7	206.5	24.7	18.2	21.0	12.5	8.9	10.2
Galveston-Texas City	91.3	95.9	95.6	11.2	8.5	9.8	12.3	8.9	10.2
Houston	1,784.8	1,830.3	1,845.8	176.5	115.0	130.8	9.9	6.3	7.1
Killeen-Temple	74.2	80.1	81.2	4.7	3.9	4.8	6.4	4.8	5.9
Laredo	40.8	39.9	41.0	10.6	6.5	7.1	26.0	16.3	17.4
Longview-Marshall	81.6	82.1	83.3	9.5	6.1	7.0	11.7	7.5	8.4
Lubbock	114.5	116.4	117.2	8.7	5.9	6.6	7.6	5.1	5.6
McAllen-Pharr-Edinburg	112.8	120.1	120.3	23.1	20.5	25.4	20.4	17.1	21.1
Midland	66.1	75.0	76.5	4.1	2.6	3.1	6.1	3.4	4.0
Odessa	73.8	79.3	80.5	7.0	3.4	4.0	9.5	4.3	4.9
San Angelo	50.3	52.9	52.7	2.7	2.0	2.3	5.4	3.9	4.3
San Antonio	507.7	548.1	553.9	32.0	25.5	29.6	6.3	4.7	5.3
Sherman-Denison	40.9	42.1	42.5	3.0	2.0	2.2	7.4	4.7	5.3
Texarkana	52.3	55.0	55.8	5.2	4.3	4.6	9.8	7.8	8.2
Tyler	77.0	81.1	82.0	5.1	3.5	4.3	6.6	4.3	5.3
Waco	90.9	96.7	97.9	5.0	4.0	4.6	5.5	4.2	4.7
Wichita Falls	68.2	71.4	71.8	4.4	2.8	3.4	6.5	3.9	4.7
Utah	694.4	706.5	705.8	63.2	43.7	42.6	9.1	6.2	6.0
Salt Lake City-Ogden	454.7	463.8	463.6	38.8	25.9	25.9	8.5	5.6	5.6
Vermont	268.2	268.7	273.3	17.2	15.3	13.2	6.4	5.7	4.8
Burlington	70.5	72.2	73.3	3.3	3.1	2.8	4.6	4.2	3.8
Virginia	2,764.3	2,862.5	2,850.1	157.5	134.2	146.9	5.7	4.7	5.2
Danville	55.6	57.0	56.9	4.5	4.1	5.0	8.0	7.2	8.8
Lynchburg	77.0	79.4	78.8	4.8	3.3	4.0	6.2	4.2	5.0
Newport News-Hampton	182.9	192.5	193.4	7.9	8.0	9.1	4.3	4.1	4.7
Norfolk-Virginia Beach-Portsmouth	363.5	384.0	382.2	19.2	18.2	18.6	5.3	4.7	4.9
Petersburg-Colonial Heights-Hopewell	56.3	56.3	54.9	4.9	4.4	4.5	8.7	7.8	8.3
Richmond	354.8	367.0	363.0	15.7	14.6	14.7	4.4	4.0	4.0
Roanoke	117.3	118.2	118.5	8.0	5.1	4.9	6.8	4.3	4.2
Washington	2,086.8	2,083.7	2,056.3	221.9	194.2	184.2	10.6	9.3	9.0
Seattle-Everett	906.3	910.5	903.4	86.0	72.1	66.6	9.5	7.9	7.4
West Virginia	786.5	764.5	775.9	143.6	104.5	112.8	18.3	13.7	14.5
Charleston	123.0	122.2	125.3	16.2	14.2	15.3	13.2	11.6	12.2
Huntington-Ashland	125.9	120.1	121.7	22.5	16.2	16.5	17.9	13.5	13.6
Parkersburg-Marietta	75.7	74.9	75.7	11.2	8.9	8.8	14.7	11.9	11.6
Wheeling	83.5	79.8	80.9	13.0	10.6	10.3	15.6	13.3	12.7
Wisconsin	2,443.4	2,457.6	2,439.3	234.4	176.7	179.3	9.6	7.2	7.4
Appleton-Oshkosh	156.1	158.1	157.4	14.6	10.7	10.9	9.3	6.8	6.9
Eau Claire	60.4	61.8	61.2	5.2	4.6	4.7	8.7	7.4	7.7
Green Bay	93.9	96.6	96.3	8.2	6.5	6.4	8.8	6.7	6.7
Janesville-Beloit	72.2	72.1	71.6	7.9	5.3	5.3	10.9	7.3	7.4
Kenosha	60.4	59.7	58.1	5.6	4.5	4.2	9.2	7.6	7.3
La Crosse	49.9	51.0	50.5	4.1	3.3	3.3	8.2	6.4	6.6
Madison	192.5	197.1	196.0	12.9	9.8	10.3	6.7	5.0	5.2
Milwaukee	710.9	716.0	707.7	72.3	49.6	50.3	10.2	6.9	7.1
Racine	85.9	85.4	85.5	10.3	6.8	7.3	12.0	8.0	8.5
Sheboygan	53.9	56.0	56.0	4.8	3.5	3.6	8.9	6.2	6.4
Wausau	56.5	56.9	56.2	5.7	5.0	4.9	10.0	8.7	8.7
Wyoming	272.5	270.6	262.1	22.1	14.4	13.5	8.1	5.3	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 based on payroll reports from a sample of 195,000 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 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
			Durable goods	.35	.39
Occupation			Non-durable goods	.44	.50
Executive, administrative, and managerial	.25	.28	Transportation, communications, and public utilities	.43	.48
Professional specialty	.20	.23	Wholesale and retail trade	.28	.31
Technicians and related support	.49	.55	Finance and services	.22	.24
Sales	.31	.35	Government workers	.25	.28
Administrative support, including clerical	.26	.29	Agricultural wage and salary workers	1.29	1.50
Private household	1.28	1.45			
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:

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

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

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

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

or about 259,000.

Table D. Standard errors for estimates of monthly level

(In thousands)

Estimated monthly level	Characteristic 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	2.08	3.23	4.44	5.28	5.90	6.37	6.73	6.98	7.22
500 .....	.66	.93	1.45	1.99	2.36	2.64	2.85	3.01	3.12	3.27
1,000 .....	.47	.66	1.02	1.40	1.67	1.87	2.01	2.13	2.21	2.28
2,000 .....	.33	.46	.72	.99	1.18	1.32	1.42	1.50	1.56	1.61
4,000 .....	.23	.33	.51	.70	.83	.93	1.01	1.06	1.10	1.14
6,000 .....	.19	.27	.42	.57	.68	.76	.82	.87	.90	.93
10,000 .....	.15	.21	.32	.44	.53	.59	.64	.67	.70	.72
20,000 .....	.10	.15	.23	.31	.37	.42	.45	.47	.49	.51
60,000 .....	.06	.08	.13	.18	.21	.24	.26	.27	.27	.29
100,000 .....	.05	.07	.10	.14	.17	.19	.20	.21	.22	.22

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

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

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

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

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

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

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

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

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

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

(In thousands)

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

Establishment Data (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:

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

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

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

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 cover 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*.