



EMPLOYMENT AND EARNINGS

November 1984

U.S. Department of Labor  
Bureau of Labor Statistics





**U.S. DEPARTMENT OF LABOR**  
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**BUREAU OF LABOR STATISTICS**  
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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 <sup>1</sup>
Revised historical national data	Supplement <sup>2</sup>
State and area annual averages	May
Area definitions	May

### State and area labor force data

Annual averages	May
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<sup>1</sup> Issue varies. Latest revised data introduced June 1984.

<sup>2</sup> Month of publication varies. The latest supplement was published in July 1984.

# Employment and Earnings

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Editors: Gloria Peterson Green, Rosalie K. Epstein

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# Employment and Unemployment Developments, October 1984

Employment rose in October and unemployment was unchanged. The overall jobless rate was 7.3 percent, and the rate for civilian workers was 7.4 percent. Both rates were the same as in September, but down from those prevailing early in the year.

Civilian employment—as measured by the monthly survey of households—rose by 350,000 in October to 105.6 million. The number of employees on nonagricultural payrolls—as measured by the monthly survey of establishments—advanced by 440,000 to 95.2 million. Each employment series was up about 6.5 million since the November 1982 recession trough.

## Unemployment

The number of unemployed persons and the civilian worker unemployment rate were both unchanged in October. A total of 8.4 million persons were unemployed; the civilian worker jobless rate was 7.4 percent, 3.3 percentage points below the November 1982 recession high. (See table A-33.)

Jobless rates among most major worker groups, including whites (6.4 percent), blacks (15.4 percent), Hispanics (10.9 percent), and teenagers (18.8 percent), showed little, if any, change from September. The unemployment rate for adult men edged down over the month to 6.3 percent and has declined by a full percentage point since January. By contrast, the rate for adult women rose slightly to 6.9 percent, about the same level as early in the year. (See tables A-33 and A-34.)

The average length of time an unemployed person had been jobless continued its downward trend, as the mean and median duration of unemployment declined over the month to 16.5 and 7.2 weeks, respectively. The number of persons who had been out of work for 6 months or longer has declined by 600,000 since the beginning of the year. (See table A-40.)

## Civilian employment and the labor force

Civilian employment increased by 350,000 to 105.6 million in October, after seasonal adjustment. The employment increase occurred entirely among adults. The proportion of the civilian population with jobs (the employment-population ratio) edged up to 59.7 percent over the month. (See table A-33.)

The civilian labor force grew by 320,000 in October to 114.0 million, after seasonal adjustment. Over the past

year, the civilian labor force has risen by 2.2 million; adult women accounted for 1.3 million of the increase.

## Industry payroll employment

Total nonagricultural payroll employment, at 95.2 million in October, seasonally adjusted, rose by 440,000 over the month. Gains were rather widespread, with nearly two-thirds of the 185 industries in the BLS index of diffusion registering over-the-month increases; this contrasts markedly with the prior month when only two-fifths of the industries showed increases. (See tables B-4 and B-7.)

The bulk of the October job growth occurred in the service-producing sector, paced by advances of 140,000 in retail trade and 130,000 in services. These two industry divisions have shown strong growth during the recovery, accounting for almost half of the total payroll employment gains during the period. Over-the-month increases also took place in transportation and public utilities, wholesale trade, and finance, insurance, and real estate—about 25,000 each.

In the goods-producing sector, manufacturing employment rose by 55,000, not enough to recoup the 115,000 decline in September. All of the October increase was in durable goods, where gains were pervasive; the largest were in machinery, fabricated metals, and lumber and wood products. Elsewhere in the sector, employment in mining and construction were both about unchanged from September levels.

## Weekly hours

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls fell 0.2 hour in October to 35.1 hours. The manufacturing workweek edged down 0.1 hour, and factory overtime was unchanged at 3.3 hours—the same level that has prevailed over the past 6 months. (See table C-5.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls, at 113.2 (1977 = 100), was about the same as in September. The manufacturing index (at 95.9) also was about unchanged over the month. (See table C-6.)

## Hourly and weekly earnings

Average hourly earnings were about unchanged in October, and average weekly earnings were down 0.7

percent, seasonally adjusted. Prior to seasonal adjustment, average hourly earnings edged down 1 cent to \$8.42, and weekly earnings fell \$3.73 to \$295.54. Compared to a year earlier, hourly earnings were up 26 cents and weekly earnings rose \$7.49. (See tables C-1 and C-7.)

### **The Hourly Earnings Index**

The Hourly Earnings Index (HEI) was 161.6 (1977 = 100) in October, seasonally adjusted, essentially

unchanged from September. For the 12 months ended in October, the increase (before seasonal adjustment) was 2.9 percent. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in overtime in manufacturing and interindustry employment shifts. In dollars of constant purchasing power, the HEI decreased 0.3 percent during the 12-month period ended in September. (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				
<b>Annual averages</b>												
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 <sup>1</sup> .....	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 <sup>1</sup> .....	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 <sup>1</sup> .....	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 <sup>1</sup> .....	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091	
1973 <sup>1</sup> .....	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 <sup>1</sup> .....	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	103,194	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	
<b>Monthly data, seasonally adjusted<sup>2</sup></b>												
<b>1983:</b>												
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	
<b>1984:</b>												
January .....	177,219	113,901	64.3	104,876	1,686	103,190	3,271	99,918	9,026	7.9	63,318	
February .....	177,363	114,377	64.5	105,576	1,684	103,892	3,395	100,496	8,801	7.7	62,986	
March .....	177,510	114,598	64.6	105,826	1,686	104,140	3,281	100,859	8,772	7.7	62,912	
April .....	177,662	114,938	64.7	106,095	1,693	104,402	3,393	101,009	8,843	7.7	62,724	
May .....	177,813	115,493	65.0	106,978	1,690	105,288	3,389	101,899	8,514	7.4	62,320	
June .....	177,974	115,567	64.9	107,438	1,690	105,748	3,403	102,344	8,130	7.0	62,407	
July .....	178,138	115,636	64.9	107,093	1,698	105,395	3,345	102,050	8,543	7.4	62,503	
August .....	178,295	115,206	64.6	106,681	1,712	104,969	3,224	101,744	8,526	7.4	63,089	
September .....	178,483	115,419	64.7	106,959	1,720	105,239	3,315	101,923	8,460	7.3	63,064	
October .....	178,661	115,722	64.8	107,291	1,705	105,586	3,114	102,472	8,431	7.3	62,939	

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

<sup>2</sup> The population and Armed Forces figures are not adjusted for seasonal variation.

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



HOUSEHOLD DATA  
HISTORICAL

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				
<b>Annual averages</b>												
<b>MEN</b>												
1973 <sup>1</sup> .....	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 <sup>1</sup> .....	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	
<b>Monthly data, seasonally adjusted<sup>2</sup></b>												
<b>1983:</b>												
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	
<b>1984:</b>												
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	60,829	1,545	59,084	2,723	56,361	4,678	7.2	19,717	
June .....	85,101	65,452	76.9	60,923	1,545	59,378	2,710	56,668	4,529	6.9	19,649	
July .....	85,179	65,362	76.7	60,607	1,551	59,056	2,705	56,351	4,756	7.3	19,817	
August .....	85,257	65,244	76.5	60,661	1,563	59,098	2,607	56,490	4,583	7.0	20,013	
September .....	85,352	65,614	76.9	60,912	1,571	59,341	2,661	56,681	4,702	7.2	19,738	
October .....	85,439	65,603	76.8	61,023	1,557	59,466	2,516	56,951	4,580	7.0	19,836	
<b>Annual averages</b>												
<b>WOMEN</b>												
1973 <sup>1</sup> .....	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 <sup>1</sup> .....	85,434	42,731	50.0	39,869	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	
<b>Monthly data, seasonally adjusted<sup>2</sup></b>												
<b>1983:</b>												
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	
<b>1984:</b>												
January .....	92,474	48,971	53.0	45,094	144	44,950	667	44,284	3,876	7.9	43,503	
February .....	92,552	49,283	53.2	45,429	144	45,285	698	44,587	3,855	7.8	43,269	
March .....	92,630	49,442	53.4	45,536	144	45,392	646	44,747	3,905	7.9	43,188	
April .....	92,709	49,725	53.6	45,802	145	45,657	673	44,983	3,924	7.9	42,984	
May .....	92,789	50,186	54.1	46,350	145	46,205	666	45,538	3,836	7.6	42,603	
June .....	92,873	50,115	54.0	46,515	145	46,370	693	45,676	3,600	7.2	42,758	
July .....	92,958	50,273	54.1	46,486	147	46,339	641	45,699	3,787	7.5	42,685	
August .....	93,039	49,963	53.7	46,020	149	45,871	617	45,254	3,943	7.9	43,076	
September .....	93,132	49,804	53.5	46,047	149	45,898	655	45,243	3,758	7.5	43,328	
October .....	93,222	50,119	53.8	46,268	148	46,120	598	45,521	3,852	7.7	43,103	

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

<sup>2</sup> 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
<b>Annual averages</b>								
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 <sup>1</sup> .....	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 <sup>1</sup> .....	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 <sup>1</sup> .....	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 <sup>1</sup> .....	144,126	87,034	60.4	82,153	4,882	5.6	5.0	6.6
1973 <sup>1</sup> .....	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 <sup>1</sup> .....	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
<b>Monthly data, seasonally adjusted<sup>2</sup></b>								
<b>1983:</b>								
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
<b>1984:</b>								
January .....	175,533	112,215	63.9	103,190	9,026	8.0	8.1	7.9
February .....	175,679	112,693	64.1	103,892	8,801	7.8	7.8	7.8
March .....	175,824	112,912	64.2	104,140	8,772	7.8	7.7	7.9
April .....	175,969	113,245	64.4	104,402	8,843	7.8	7.7	7.9
May .....	176,123	113,803	64.6	105,288	8,514	7.5	7.3	7.7
June .....	176,284	113,877	64.6	105,748	8,130	7.1	7.1	7.2
July .....	176,440	113,938	64.6	105,395	8,543	7.5	7.5	7.6
August .....	176,583	113,494	64.3	104,969	8,526	7.5	7.2	7.9
September .....	176,763	113,699	64.3	105,239	8,460	7.4	7.3	7.6
October .....	176,956	114,017	64.4	105,586	8,431	7.4	7.2	7.7

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

**Explanatory Notes.**

<sup>2</sup> 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	October 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					
<b>TOTAL</b>											
16 years and over .....	176,956	114,250	64.6	106,262	7,989	7.0	62,706	30,666	9,338	2,446	20,255
16 to 19 years .....	14,598	7,474	51.2	6,093	1,381	18.5	7,124	442	6,147	16	520
16 to 17 years .....	7,171	2,807	39.1	2,282	525	18.7	4,364	111	4,090	4	160
18 to 19 years .....	7,427	4,667	62.8	3,811	856	18.3	2,760	331	2,057	12	359
20 to 24 years .....	20,604	15,978	77.5	14,280	1,698	10.6	4,627	1,727	2,166	54	679
25 to 54 years .....	93,096	75,803	81.4	71,546	4,257	5.6	17,293	12,695	971	833	2,794
25 to 34 years .....	40,224	33,284	82.7	31,119	2,164	6.5	6,941	5,086	687	216	952
25 to 29 years .....	20,996	17,355	82.7	16,158	1,197	6.9	3,641	2,530	462	99	549
30 to 34 years .....	19,228	15,929	82.8	14,962	968	6.1	3,300	2,555	225	117	403
35 to 44 years .....	30,624	25,440	82.1	24,136	1,304	5.1	5,184	3,949	212	224	799
35 to 39 years .....	16,985	14,135	83.2	13,373	763	5.4	2,850	2,237	122	107	388
40 to 44 years .....	13,640	11,304	82.9	10,763	541	4.8	2,335	1,718	90	116	411
45 to 54 years .....	22,248	17,080	76.8	16,291	789	4.6	5,167	3,660	72	393	1,042
45 to 49 years .....	11,380	9,093	79.9	8,638	456	5.0	2,286	1,677	38	167	403
50 to 54 years .....	10,868	7,987	73.5	7,653	334	4.2	2,881	1,983	34	226	638
55 to 64 years .....	22,052	11,914	54.0	11,367	546	4.6	10,138	5,579	36	608	3,915
55 to 59 years .....	11,256	7,192	63.9	6,860	332	4.6	4,064	2,494	29	296	1,245
60 to 64 years .....	10,796	4,722	43.7	4,507	215	4.5	6,074	3,085	7	312	2,670
65 years and over .....	26,606	3,082	11.6	2,975	106	3.4	23,525	10,223	18	936	12,348
65 to 69 years .....	9,006	1,802	20.0	1,727	75	4.2	7,204	3,255	7	183	3,759
70 years and over .....	17,600	1,279	7.3	1,248	31	2.4	16,321	6,968	10	752	8,589
<b>Men</b>											
16 years and over .....	83,882	63,843	76.1	59,716	4,127	6.5	20,039	472	4,752	1,397	13,417
16 to 19 years .....	7,317	3,851	52.6	3,106	745	19.3	3,466	18	3,166	12	271
16 to 17 years .....	3,643	1,447	39.7	1,153	294	20.3	2,136	6	2,091	4	95
18 to 19 years .....	3,674	2,404	65.4	1,953	451	18.7	1,270	12	1,075	8	175
20 to 24 years .....	10,070	8,447	83.9	7,588	859	10.2	1,623	17	1,192	26	387
25 to 54 years .....	45,356	42,712	94.2	40,558	2,154	5.0	2,644	147	376	545	1,575
25 to 34 years .....	19,714	18,725	95.0	17,626	1,099	5.9	990	53	300	140	497
25 to 29 years .....	10,303	9,707	94.2	9,076	631	6.5	596	27	224	62	283
30 to 34 years .....	9,411	9,018	95.8	8,550	468	5.2	394	25	76	78	215
35 to 44 years .....	14,905	14,221	95.4	13,567	654	4.6	683	32	54	143	454
35 to 39 years .....	8,273	7,929	95.8	7,543	387	4.9	344	20	34	71	219
40 to 44 years .....	6,632	6,292	94.9	6,024	267	4.3	340	12	21	72	235
45 to 54 years .....	10,737	9,766	91.0	9,365	401	4.1	971	63	22	262	623
45 to 49 years .....	5,518	5,137	93.1	4,907	231	4.5	380	33	12	110	225
50 to 54 years .....	5,219	4,629	88.7	4,459	170	3.7	590	30	10	152	398
55 to 64 years .....	10,284	7,017	68.2	6,704	313	4.5	3,268	90	13	417	2,747
55 to 59 years .....	5,305	4,240	79.9	4,061	179	4.2	1,065	47	13	208	797
60 to 64 years .....	4,979	2,776	55.8	2,643	133	4.8	2,203	44	-	210	1,950
65 years and over .....	10,855	1,816	16.7	1,760	56	3.1	9,039	200	5	395	8,438
65 to 69 years .....	4,014	1,027	25.6	993	34	3.3	2,987	46	4	113	2,824
70 years and over .....	6,841	789	11.5	767	22	2.8	6,052	154	1	282	5,614
<b>Women</b>											
16 years and over .....	93,074	50,407	54.2	46,546	3,862	7.7	42,667	30,194	4,585	1,050	6,838
16 to 19 years .....	7,281	3,623	49.8	2,987	636	17.6	3,658	424	2,981	4	249
16 to 17 years .....	3,528	1,360	38.5	1,129	231	17.0	2,168	105	1,999	-	65
18 to 19 years .....	3,753	2,263	60.3	1,858	405	17.9	1,489	319	982	4	184
20 to 24 years .....	10,534	7,530	71.5	6,692	838	11.1	3,004	1,710	974	28	292
25 to 54 years .....	47,740	33,092	69.3	30,988	2,104	6.4	14,649	12,548	595	288	1,219
25 to 34 years .....	20,510	14,559	71.0	13,494	1,065	7.3	5,951	5,033	388	76	455
25 to 29 years .....	10,693	7,648	71.5	7,082	566	7.4	3,045	2,503	238	37	266
30 to 34 years .....	9,817	6,911	70.4	6,412	500	7.2	2,906	2,530	149	39	188
35 to 44 years .....	15,719	11,218	71.4	10,569	650	5.8	4,501	3,918	157	81	345
35 to 39 years .....	8,712	6,206	71.2	5,830	376	6.1	2,506	2,212	88	36	169
40 to 44 years .....	7,008	5,012	71.5	4,739	274	5.5	1,995	1,706	69	44	176
45 to 54 years .....	11,511	7,314	63.5	6,926	388	5.3	4,197	3,597	50	131	419
45 to 49 years .....	5,862	3,956	67.5	3,731	225	5.7	1,906	1,644	26	57	178
50 to 54 years .....	5,649	3,358	59.4	3,194	164	4.9	2,291	1,953	24	74	240
55 to 64 years .....	11,767	4,897	41.6	4,663	234	4.8	6,870	5,489	23	190	1,169
55 to 59 years .....	5,950	2,951	49.6	2,799	152	5.2	2,999	2,447	15	88	448
60 to 64 years .....	5,817	1,945	33.4	1,864	81	4.2	3,872	3,042	8	102	720
65 years and over .....	15,752	1,266	8.0	1,215	50	4.0	14,486	10,023	12	540	3,910
65 to 69 years .....	4,992	775	15.5	734	41	5.3	4,217	3,209	3	70	935
70 years and over .....	10,759	490	4.6	481	9	1.9	10,269	6,814	9	470	2,975

**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	October 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					
<b>WHITE</b>											
16 years and over .....	152,605	98,814	64.8	92,925	5,889	6.0	53,790	27,011	7,322	1,914	17,543
16 to 19 years .....	12,047	6,525	54.2	5,506	1,019	15.6	5,522	329	4,830	8	356
18 to 17 years .....	5,908	2,509	42.5	2,097	412	16.4	3,400	94	3,180	1	125
18 to 19 years .....	6,139	4,016	65.4	3,409	607	15.1	2,123	235	1,650	7	231
20 to 24 years .....	17,210	13,563	78.8	12,411	1,152	8.5	3,647	1,403	1,723	33	488
25 to 54 years .....	79,716	65,312	81.9	62,121	3,192	4.9	14,405	10,937	718	622	2,127
25 to 34 years .....	33,973	28,381	83.5	26,814	1,566	5.5	5,592	4,283	487	155	667
25 to 29 years .....	17,693	14,789	83.6	13,940	849	5.7	2,905	2,120	332	66	386
30 to 34 years .....	16,280	13,593	83.5	12,875	718	5.3	2,688	2,164	155	88	281
35 to 44 years .....	26,394	21,972	83.2	20,969	1,004	4.6	4,421	3,460	175	166	620
35 to 39 years .....	14,616	12,185	83.4	11,609	576	7.2	2,430	1,965	98	79	296
40 to 44 years .....	11,778	9,787	83.1	9,360	427	4.4	1,991	1,517	76	88	324
45 to 54 years .....	19,350	14,959	77.3	14,337	622	4.2	4,391	3,195	56	300	840
45 to 49 years .....	9,871	7,918	80.2	7,561	357	4.5	1,952	1,432	32	131	340
50 to 54 years .....	9,479	7,041	74.3	6,775	265	5.1	2,438	1,767	24	168	499
55 to 64 years .....	19,570	10,610	54.2	10,169	442	4.2	8,959	5,008	33	459	3,459
55 to 59 years .....	9,937	6,393	64.3	6,132	261	4.1	3,544	2,225	26	226	1,066
60 to 64 years .....	9,633	4,218	43.8	4,037	181	4.3	5,415	2,783	7	232	2,393
65 years and over .....	24,062	2,805	11.7	2,720	85	3.0	21,257	9,333	19	793	11,113
65 to 69 years .....	8,141	1,633	20.1	1,571	82	3.8	6,508	2,947	7	139	3,415
70 years and over .....	15,921	1,171	7.4	1,149	22	1.9	14,750	6,387	11	654	7,698
<b>Men</b>											
16 years and over .....	72,825	55,915	76.8	52,827	3,088	5.5	16,910	353	3,718	1,097	11,742
16 to 19 years .....	6,053	3,363	55.6	2,815	548	16.3	2,690	6	2,473	6	204
16 to 17 years .....	3,006	1,299	43.2	1,063	236	18.2	1,707	4	1,624	2	77
18 to 19 years .....	3,047	2,064	67.7	1,752	312	15.1	983	2	849	5	128
20 to 24 years .....	8,474	7,178	84.7	6,575	603	8.4	1,296	16	962	19	298
25 to 54 years .....	39,293	37,351	95.1	35,713	1,639	4.4	1,942	96	267	423	1,156
25 to 34 years .....	16,854	16,172	96.0	15,350	822	5.1	681	28	215	103	336
25 to 29 years .....	8,770	8,363	95.4	7,896	467	5.6	407	9	162	44	191
30 to 34 years .....	8,084	7,810	96.6	7,454	356	4.6	275	19	53	58	144
35 to 44 years .....	12,991	12,484	96.1	11,978	505	4.0	507	23	36	111	337
35 to 39 years .....	7,197	6,941	96.4	6,646	295	4.3	256	13	21	56	165
40 to 44 years .....	5,794	5,542	95.7	5,332	210	3.8	252	10	15	56	172
45 to 54 years .....	9,448	8,695	92.0	8,385	311	3.6	753	45	16	209	484
45 to 49 years .....	4,835	4,537	93.8	4,357	180	4.0	298	21	7	88	181
50 to 54 years .....	4,613	4,158	90.1	4,027	131	3.1	455	24	9	120	302
55 to 64 years .....	9,177	6,346	69.2	6,090	256	4.0	2,831	67	11	328	2,425
55 to 59 years .....	4,716	3,841	81.5	3,696	145	3.8	875	33	11	160	670
60 to 64 years .....	4,461	2,505	56.2	2,394	111	4.4	1,956	34	-	168	1,754
65 years and over .....	9,827	1,676	17.1	1,634	42	2.5	8,151	167	5	320	7,659
65 to 69 years .....	3,643	944	25.9	916	28	3.0	2,699	32	4	85	2,579
70 years and over .....	6,184	732	11.8	718	14	2.0	5,452	136	1	235	5,080
<b>Women</b>											
16 years and over .....	79,780	42,899	53.8	40,098	2,801	6.5	36,881	28,658	3,604	817	5,801
16 to 19 years .....	5,994	3,162	52.7	2,690	471	14.9	2,833	322	2,357	2	152
16 to 17 years .....	2,902	1,209	41.7	1,034	176	14.5	1,693	89	1,556	-	48
18 to 19 years .....	3,092	1,952	63.1	1,657	295	15.1	1,140	233	801	3	104
20 to 24 years .....	8,735	6,384	73.1	5,836	548	8.6	2,351	1,387	760	14	190
25 to 54 years .....	40,423	27,961	69.2	26,408	1,553	5.6	12,463	10,841	451	199	971
25 to 34 years .....	17,119	12,208	71.3	11,464	744	6.1	4,911	4,255	272	52	332
25 to 29 years .....	8,923	6,426	72.0	6,044	382	5.9	2,498	2,111	170	22	195
30 to 34 years .....	8,196	5,783	70.6	5,421	362	6.3	2,413	2,145	102	30	137
35 to 44 years .....	13,403	9,489	70.8	8,991	498	5.3	3,914	3,437	139	55	283
35 to 39 years .....	7,419	5,244	70.7	4,963	281	5.4	2,174	1,943	77	23	131
40 to 44 years .....	5,984	4,245	70.9	4,028	217	5.1	1,739	1,494	61	32	152
45 to 54 years .....	9,901	6,264	63.3	5,953	311	5.0	3,638	3,150	41	91	356
45 to 49 years .....	5,036	3,381	67.1	3,204	177	5.2	1,654	1,427	25	43	159
50 to 54 years .....	4,866	2,883	59.2	2,748	134	4.7	1,983	1,722	15	48	197
55 to 64 years .....	10,393	4,264	41.0	4,078	186	4.4	6,129	4,941	23	130	1,034
55 to 59 years .....	5,221	2,552	48.9	2,436	116	4.5	2,669	2,192	15	66	396
60 to 64 years .....	5,172	1,713	33.1	1,643	70	4.1	3,459	2,749	7	64	638
65 years and over .....	14,235	1,128	7.9	1,086	42	3.8	13,106	9,166	13	473	3,454
65 to 69 years .....	4,498	689	15.3	655	34	5.0	3,809	2,915	3	54	836
70 years and over .....	9,737	439	4.5	431	8	1.8	9,298	6,251	10	419	2,618

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	October 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					
<b>BLACK</b>											
16 years and over .....	19,449	12,202	62.7	10,353	1,849	15.2	7,247	2,894	1,541	484	2,329
16 to 19 years .....	2,141	802	37.5	464	337	42.1	1,339	97	1,089	7	147
16 to 17 years .....	1,050	249	23.7	146	103	41.3	800	16	754	2	28
18 to 19 years .....	1,092	552	50.6	318	235	42.4	539	81	335	5	118
20 to 24 years .....	2,786	2,009	72.1	1,510	499	24.8	777	269	315	20	173
25 to 54 years .....	10,346	8,148	78.8	7,232	916	11.2	2,199	1,307	137	188	566
25 to 34 years .....	4,835	3,837	79.3	3,311	526	13.7	999	585	112	53	248
25 to 29 years .....	2,591	2,046	79.0	1,734	311	15.2	546	303	68	31	145
30 to 34 years .....	2,244	1,791	79.8	1,576	215	12.0	453	283	45	22	104
35 to 44 years .....	3,215	2,634	81.9	2,380	254	9.7	580	358	16	50	156
35 to 39 years .....	1,797	1,486	82.7	1,332	155	10.4	310	203	6	23	79
40 to 44 years .....	1,418	1,148	81.0	1,048	100	8.7	270	156	11	26	77
45 to 54 years .....	2,296	1,676	73.0	1,541	135	8.1	620	364	9	85	162
45 to 49 years .....	1,201	930	77.4	850	80	8.6	271	181	2	34	54
50 to 54 years .....	1,095	747	68.2	691	55	7.4	349	183	7	51	108
55 to 64 years .....	1,978	1,024	51.8	945	79	7.7	954	451	-	136	367
55 to 59 years .....	1,046	630	60.3	576	54	8.6	415	213	-	62	140
60 to 64 years .....	932	394	42.2	369	25	6.3	538	238	-	74	226
65 years and over .....	2,198	220	10.0	202	18	8.4	1,978	770	-	133	1,076
65 to 69 years .....	738	131	17.8	121	10	7.6	607	260	-	44	303
70 years and over .....	1,460	90	6.2	80	9	10.0	1,371	511	-	89	772
<b>Men</b>											
16 years and over .....	8,701	6,158	70.8	5,249	910	14.8	2,542	105	754	275	1,410
16 to 19 years .....	1,045	413	39.5	227	185	44.9	633	12	558	6	56
16 to 17 years .....	522	120	23.0	67	53	44.0	401	2	383	2	14
18 to 19 years .....	525	293	55.9	160	133	45.3	231	10	174	4	43
20 to 24 years .....	1,296	1,058	81.7	820	238	22.5	238	-	152	7	80
25 to 54 years .....	4,639	4,084	88.0	3,650	434	10.6	556	50	44	108	353
25 to 34 years .....	2,189	1,954	89.2	1,717	236	12.1	236	24	36	34	142
25 to 29 years .....	1,179	1,039	88.1	893	145	14.0	141	19	26	16	80
30 to 34 years .....	1,010	915	90.6	824	91	9.9	95	5	11	17	62
35 to 44 years .....	1,434	1,291	90.1	1,168	123	9.5	142	7	7	25	102
35 to 39 years .....	804	739	91.9	664	75	10.2	65	6	3	10	47
40 to 44 years .....	629	552	87.8	504	48	8.7	77	2	5	15	55
45 to 54 years .....	1,016	838	82.5	764	75	8.9	178	19	1	49	109
45 to 49 years .....	534	464	86.9	421	42	9.2	70	13	1	20	36
50 to 54 years .....	482	375	77.7	342	32	8.6	108	6	-	29	73
55 to 64 years .....	857	503	58.7	461	42	8.3	354	16	-	83	255
55 to 59 years .....	453	301	66.5	276	24	8.1	152	10	-	43	99
60 to 64 years .....	404	202	50.0	185	17	8.6	202	7	-	40	156
65 years and over .....	865	102	11.8	91	11	10.5	763	28	-	71	664
65 to 69 years .....	308	59	19.2	56	3	( <sup>1</sup> )	249	11	-	28	210
70 years and over .....	556	43	7.7	35	8	( <sup>1</sup> )	514	17	-	43	454
<b>Women</b>											
16 years and over .....	10,748	6,044	56.2	5,104	939	15.5	4,705	2,789	786	210	919
16 to 19 years .....	1,096	389	35.5	237	152	39.1	707	85	531	1	89
16 to 17 years .....	528	130	24.5	79	50	38.8	399	14	371	-	14
18 to 19 years .....	567	259	45.7	158	102	39.2	308	71	161	1	75
20 to 24 years .....	1,490	951	63.8	690	261	27.4	540	270	163	13	93
25 to 54 years .....	5,707	4,064	71.2	3,582	482	11.9	1,643	1,257	93	80	213
25 to 34 years .....	2,646	1,883	71.2	1,594	290	15.4	763	561	76	19	106
25 to 29 years .....	1,412	1,007	71.3	841	166	16.5	405	284	42	15	65
30 to 34 years .....	1,234	876	71.0	752	124	14.1	358	278	34	5	42
35 to 44 years .....	1,781	1,343	75.4	1,212	131	9.8	438	351	9	25	54
35 to 39 years .....	993	747	75.3	668	80	10.6	245	197	3	13	32
40 to 44 years .....	789	596	75.5	544	52	8.7	193	154	6	11	22
45 to 54 years .....	1,280	838	65.5	777	61	7.2	442	345	8	36	53
45 to 49 years .....	667	466	69.9	429	38	8.1	201	168	1	14	18
50 to 54 years .....	613	372	60.6	349	23	6.2	241	177	7	22	35
55 to 64 years .....	1,121	521	46.5	484	37	7.2	600	435	-	53	112
55 to 59 years .....	593	330	55.6	300	30	9.1	264	203	-	19	41
60 to 64 years .....	528	192	36.3	184	7	3.9	336	231	1	34	70
65 years and over .....	1,333	118	8.9	111	8	6.6	1,215	742	-	62	412
65 to 69 years .....	430	72	16.7	65	7	( <sup>1</sup> )	358	249	-	16	93
70 years and over .....	904	47	5.2	45	1	( <sup>1</sup> )	857	494	-	46	318

<sup>1</sup> 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	October 1984								Not in labor force	
	Civilian noninstitutional population	Civilian labor force						Percent of labor force		
		Total	Percent of population	Employed			Unemployed			
				Total	Agriculture	Nonagricultural industries	Number			
<b>TOTAL</b>										
16 years and over .....	24,351	15,436	63.4	13,336	245	13,091	2,100	13.6	8,915	
16 to 19 years .....	2,551	949	37.2	587	13	574	362	38.1	1,601	
16 to 17 years .....	1,263	298	23.8	185	1	184	113	38.0	965	
18 to 19 years .....	1,288	851	50.6	402	12	390	249	38.2	637	
20 to 24 years .....	3,395	2,415	71.1	1,869	35	1,834	546	22.6	980	
25 to 54 years .....	13,381	10,491	78.4	9,426	138	9,287	1,066	10.2	2,889	
25 to 34 years .....	6,251	4,903	78.4	4,305	42	4,263	598	12.2	1,348	
25 to 29 years .....	3,302	2,566	77.7	2,218	30	2,189	347	13.5	736	
30 to 34 years .....	2,948	1,278	43.3	2,087	12	2,075	251	19.8	612	
35 to 44 years .....	4,230	3,467	82.0	3,167	42	3,125	300	8.7	783	
35 to 39 years .....	2,369	1,950	82.3	1,764	21	1,742	186	9.5	419	
40 to 44 years .....	1,861	1,518	81.6	1,403	21	1,383	114	7.5	344	
45 to 54 years .....	2,898	2,121	73.2	1,954	54	1,900	168	7.9	777	
45 to 49 years .....	1,510	1,175	77.8	1,076	35	1,041	99	8.4	334	
50 to 54 years .....	1,388	945	68.1	877	19	858	88	7.2	443	
55 to 64 years .....	2,482	1,303	52.5	1,199	36	1,163	105	8.0	1,179	
55 to 59 years .....	1,319	799	60.6	728	23	705	71	8.9	520	
60 to 64 years .....	1,163	504	43.3	470	12	458	34	6.7	659	
65 years and over .....	2,544	277	10.9	258	23	233	21	7.7	2,267	
65 to 69 years .....	866	169	19.5	157	13	143	13	7.7	697	
70 years and over .....	1,679	108	6.4	99	10	91	16	14.8	1,571	
<b>Men</b>										
18 years and over .....	11,057	7,928	71.7	6,889	215	6,674	1,039	13.1	3,129	
16 to 19 years .....	1,264	488	38.6	290	14	276	197	40.4	778	
16 to 17 years .....	637	148	23.2	90	2	88	58	39.4	489	
18 to 19 years .....	827	340	54.2	201	13	188	139	40.9	287	
20 to 24 years .....	1,598	1,269	79.5	1,013	33	980	256	20.2	327	
25 to 54 years .....	6,083	5,361	88.4	4,845	119	4,725	516	9.6	702	
25 to 34 years .....	2,861	2,552	89.2	2,276	37	2,238	277	10.8	308	
25 to 29 years .....	1,533	1,344	87.7	1,180	25	1,155	164	12.2	189	
30 to 34 years .....	1,327	1,208	91.0	1,096	12	1,084	113	9.3	119	
35 to 44 years .....	1,914	1,738	90.8	1,589	37	1,552	149	8.6	176	
35 to 39 years .....	1,076	988	91.8	897	18	878	91	9.2	88	
40 to 44 years .....	838	750	89.5	692	19	674	57	7.7	88	
45 to 54 years .....	1,288	1,071	83.1	961	45	935	90	8.4	217	
45 to 49 years .....	683	600	87.9	549	31	518	51	8.5	82	
50 to 54 years .....	605	470	77.7	431	14	417	39	8.3	135	
55 to 64 years .....	1,107	671	60.8	614	28	585	57	8.5	437	
55 to 59 years .....	590	399	67.7	365	19	346	34	8.8	190	
60 to 64 years .....	518	271	52.4	249	10	239	22	8.2	246	
65 years and over .....	1,028	140	13.6	126	20	106	13	9.7	888	
65 to 69 years .....	371	83	22.3	77	12	65	8	7.0	288	
70 years and over .....	657	57	8.7	49	8	42	8	( <sup>1</sup> )	600	
<b>Women</b>										
18 years and over .....	13,294	7,508	56.5	6,447	29	6,418	1,061	14.1	5,786	
16 to 19 years .....	1,287	481	35.9	297	-	298	165	35.7	825	
16 to 17 years .....	826	150	24.0	95	-	96	55	36.6	478	
18 to 19 years .....	661	311	47.1	201	-	202	110	35.3	350	
20 to 24 years .....	1,799	1,146	63.7	856	2	854	290	25.3	653	
25 to 54 years .....	7,318	5,130	70.1	4,581	19	4,562	550	10.7	2,187	
25 to 34 years .....	3,391	2,351	69.3	2,029	5	2,025	321	13.7	1,040	
25 to 29 years .....	1,769	1,222	69.1	1,038	5	1,034	183	15.0	547	
30 to 34 years .....	1,621	1,129	69.6	991	-	991	136	12.2	493	
35 to 44 years .....	2,317	1,729	74.6	1,578	5	1,573	151	8.8	587	
35 to 39 years .....	1,293	962	74.4	867	3	864	95	9.8	331	
40 to 44 years .....	1,023	768	75.0	711	2	709	57	7.4	256	
45 to 54 years .....	1,610	1,051	65.3	973	9	964	77	7.4	559	
45 to 49 years .....	627	475	69.6	527	4	523	48	8.3	252	
50 to 54 years .....	783	475	60.7	446	5	441	29	6.2	308	
55 to 64 years .....	1,375	633	46.0	585	7	578	48	7.8	742	
55 to 59 years .....	729	400	54.8	363	5	359	37	9.1	329	
60 to 64 years .....	645	233	36.1	222	3	219	11	4.9	412	
65 years and over .....	1,517	138	9.1	130	3	127	8	5.6	1,379	
65 to 69 years .....	495	86	17.4	80	1	78	7	7.5	409	
70 years and over .....	1,022	51	5.0	50	2	49	1	( <sup>1</sup> )	971	

<sup>1</sup> 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	
	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984
<b>TOTAL</b>								
Civilian noninstitutional population .....	174,779	176,956	75,216	76,565	84,443	85,793	15,120	14,598
Civilian labor force .....	112,042	114,250	58,919	59,992	45,505	46,784	7,618	7,474
Percent of population .....	64.1	64.6	78.3	78.4	53.9	54.5	50.4	51.2
Employed .....	102,659	106,262	54,580	56,610	42,088	43,559	5,991	6,093
Agriculture .....	3,407	3,268	2,511	2,443	635	586	261	238
Nonagricultural industries .....	99,252	102,994	52,069	54,167	41,453	42,972	5,730	5,855
Unemployed .....	9,383	7,989	4,339	3,382	3,417	3,226	1,627	1,381
Unemployment rate .....	8.4	7.0	7.4	5.6	7.5	6.9	21.4	18.5
Not in labor force .....	62,737	62,706	16,297	16,573	38,938	39,009	7,502	7,124
<b>White</b>								
Civilian noninstitutional population .....	151,175	152,605	65,802	66,771	72,915	73,786	12,458	12,047
Civilian labor force .....	97,526	98,814	51,867	52,552	38,933	39,738	6,726	6,525
Percent of population .....	64.5	64.8	78.8	78.7	53.4	53.9	54.0	54.2
Employed .....	90,532	92,925	48,534	50,012	36,484	37,408	5,515	5,506
Agriculture .....	3,130	3,023	2,280	2,242	599	555	251	225
Nonagricultural industries .....	87,402	89,903	46,254	47,769	35,885	36,853	5,264	5,281
Unemployed .....	6,994	5,889	3,333	2,540	2,450	2,330	1,211	1,019
Unemployment rate .....	7.2	6.0	6.4	4.8	6.3	5.9	18.0	15.6
Not in labor force .....	53,649	53,790	13,935	14,220	33,981	34,048	5,733	5,522
<b>Black</b>								
Civilian noninstitutional population .....	19,026	19,449	7,416	7,656	9,402	9,652	2,208	2,141
Civilian labor force .....	11,582	12,202	5,515	5,746	5,356	5,655	712	802
Percent of population .....	60.9	62.7	74.4	75.0	57.0	58.6	32.2	37.5
Employed .....	9,502	10,353	4,668	5,022	4,487	4,867	347	464
Agriculture .....	181	174	161	151	13	15	6	8
Nonagricultural industries .....	9,321	10,179	4,507	4,871	4,474	4,852	340	456
Unemployed .....	2,080	1,849	847	724	868	787	365	337
Unemployment rate .....	18.0	15.2	15.4	12.6	16.2	13.9	51.3	42.1
Not in labor force .....	7,444	7,247	1,901	1,910	4,047	3,998	1,496	1,339

**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	October 1984								
	Total			White			Black		
	Both sexes	Men	Women	Both sexes	Men	Women	Both sexes	Men	Women
<b>TOTAL</b>									
Civilian noninstitutional population .....	22,555	11,202	11,354	18,658	9,295	9,363	3,254	1,567	1,687
Civilian labor force .....	13,330	6,865	6,465	11,475	5,906	5,569	1,559	812	747
Percent of population .....	59.1	61.3	56.9	61.5	63.5	59.5	47.9	51.8	44.3
Employed .....	11,237	5,765	5,472	10,006	5,137	4,869	985	500	485
Agriculture .....	385	327	58	373	313	60	5	5	-
Nonagricultural industries .....	10,852	5,438	5,414	9,633	4,824	4,809	981	494	487
Unemployed .....	2,093	1,100	993	1,469	769	700	574	311	262
Looking for full-time work .....	1,262	667	596	858	444	414	369	208	160
Looking for part-time work .....	831	434	397	611	325	286	205	103	102
Percent of labor force .....	15.7	16.0	15.4	12.8	13.0	12.6	36.8	38.3	35.1
Not in labor force .....	9,225	4,337	4,889	7,183	3,389	3,794	1,696	756	940
<b>Major activity: Going to school</b>									
Civilian noninstitutional population .....	11,712	5,983	5,729	9,643	4,921	4,722	1,684	839	845
Civilian labor force .....	4,251	2,119	2,132	3,753	1,882	1,871	406	194	212
Percent of population .....	36.3	35.4	37.2	38.9	38.3	39.6	24.1	23.2	25.1
Employed .....	3,462	1,699	1,763	3,180	1,565	1,615	207	97	110
Agriculture .....	105	91	14	102	88	14	2	2	-
Nonagricultural industries .....	3,357	1,608	1,750	3,079	1,477	1,602	205	95	110
Unemployed .....	789	421	369	573	318	255	200	97	103
Looking for full-time work .....	62	29	33	33	19	14	26	9	17
Looking for part-time work .....	727	392	335	540	299	241	174	88	86
Percent of labor force .....	18.6	19.9	17.3	15.3	16.9	13.6	49.1	50.0	48.3
Not in labor force .....	7,461	3,864	3,597	5,890	3,038	2,852	1,278	645	633
<b>Major activity: Other</b>									
Civilian noninstitutional population .....	10,843	5,219	5,624	9,015	4,374	4,641	1,570	728	842
Civilian labor force .....	9,079	4,746	4,333	7,722	4,023	3,698	1,152	617	535
Percent of population .....	83.7	90.9	77.0	85.7	92.0	79.7	73.4	84.8	63.5
Employed .....	7,775	4,066	3,709	6,826	3,572	3,254	778	403	375
Agriculture .....	280	236	44	271	225	47	3	3	-
Nonagricultural industries .....	7,495	3,830	3,664	6,555	3,348	3,207	775	397	378
Unemployed .....	1,304	680	624	896	451	445	374	214	160
Looking for full-time work .....	1,200	638	562	824	425	400	343	199	144
Looking for part-time work .....	104	42	62	71	26	45	31	15	16
Percent of labor force .....	14.4	14.3	14.4	11.6	11.2	12.0	32.5	34.7	29.9
Not in labor force .....	1,764	473	1,291	1,293	351	942	418	111	307



**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							
	Oct. 1983	Oct. 1984	Total		Employed		Unemployed			
			Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Number		Percent of labor force	
							Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984
<b>VETERANS</b>										
Total, 25 years and over .....	7,892	7,923	7,396	7,475	6,892	7,071	504	404	6.8	5.4
25 to 39 years .....	5,775	5,380	5,536	5,205	5,124	4,887	412	318	7.4	6.1
25 to 29 years .....	623	415	581	399	514	357	67	42	11.5	10.5
30 to 34 years .....	2,036	1,603	1,940	1,558	1,774	1,449	166	109	8.6	7.0
35 to 39 years .....	3,116	3,362	3,015	3,248	2,836	3,081	179	167	5.9	5.1
40 years and over .....	2,117	2,543	1,860	2,270	1,768	2,184	92	86	4.9	3.8
<b>NONVETERANS</b>										
Total, 25 to 39 years .....	20,277	21,432	19,092	20,348	17,690	19,271	1,402	1,077	7.3	5.3
25 to 29 years .....	8,760	9,034	8,191	8,512	7,503	7,995	688	517	8.4	6.1
30 to 34 years .....	6,943	7,571	6,567	7,236	6,133	6,892	434	344	6.6	4.8
35 to 39 years .....	4,574	4,827	4,334	4,600	4,054	4,384	280	216	6.5	4.7

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	October 1984								
	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time <sup>1</sup>	Unemployed (looking for part-time work)	
		Full-time schedules <sup>2</sup>	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
<b>TOTAL</b>									
Total, 16 years and over .....	97,643	85,799	5,415	6,429	6.6	16,607	15,048	1,559	9.4
16 to 19 years .....	3,362	2,110	573	678	20.2	4,112	3,409	703	17.1
16 to 17 years .....	400	205	91	104	26.1	2,407	1,986	421	17.5
18 to 19 years .....	2,962	1,906	482	574	19.4	1,705	1,423	282	16.5
20 years and over .....	94,281	83,688	4,842	5,751	6.1	12,495	11,639	857	6.9
20 to 24 years .....	13,398	10,746	1,210	1,442	10.8	2,580	2,324	255	9.9
25 years and over .....	80,883	72,941	3,632	4,309	5.3	9,916	9,315	602	6.1
25 to 54 years .....	68,960	62,104	3,024	3,832	5.6	6,844	6,418	427	6.2
55 years and over .....	11,924	10,837	608	477	4.0	3,072	2,897	175	5.7
<b>Men, 16 years and over .....</b>	<b>58,560</b>	<b>52,653</b>	<b>2,412</b>	<b>3,495</b>	<b>6.0</b>	<b>5,283</b>	<b>4,652</b>	<b>631</b>	<b>12.0</b>
16 to 19 years .....	1,846	1,220	261	365	19.8	2,005	1,624	380	19.0
16 to 17 years .....	56,714	51,432	2,151	3,131	5.5	3,278	3,027	251	7.7
20 to 24 years .....	7,362	6,004	602	757	10.3	1,085	983	102	9.4
25 years and over .....	49,351	45,428	1,550	2,373	4.8	2,193	2,044	149	6.8
25 to 54 years .....	41,727	38,340	1,296	2,091	5.0	986	922	63	6.4
55 years and over .....	7,624	7,088	254	282	3.7	1,207	1,122	85	7.0
<b>Women, 16 years and over .....</b>	<b>39,083</b>	<b>33,146</b>	<b>3,003</b>	<b>2,934</b>	<b>7.5</b>	<b>11,324</b>	<b>10,396</b>	<b>928</b>	<b>8.2</b>
16 to 19 years .....	1,516	890	312	314	20.7	2,107	1,785	322	15.3
20 years and over .....	37,567	32,256	2,691	2,620	7.0	9,217	8,611	606	6.6
20 to 24 years .....	6,036	4,743	608	685	11.4	1,494	1,341	153	10.2
25 years and over .....	31,532	27,513	2,084	1,936	6.1	7,722	7,270	453	5.9
25 to 54 years .....	27,234	23,764	1,729	1,740	6.4	5,858	5,495	363	6.2
55 years and over .....	4,298	3,749	354	195	4.5	1,865	1,775	90	4.8
<b>White</b>									
<b>Men, 16 years and over .....</b>	<b>51,240</b>	<b>46,725</b>	<b>1,921</b>	<b>2,594</b>	<b>5.1</b>	<b>4,675</b>	<b>4,181</b>	<b>493</b>	<b>10.6</b>
16 to 19 years .....	1,586	1,098	230	258	16.3	1,777	1,487	290	16.3
16 to 17 years .....	49,654	45,626	1,691	2,336	4.7	2,898	2,694	204	7.0
20 to 24 years .....	6,219	5,244	455	520	8.4	959	876	83	8.7
25 years and over .....	43,435	40,383	1,237	1,817	4.2	1,938	1,819	120	6.2
25 to 54 years .....	36,541	33,927	1,022	1,592	4.4	810	764	47	5.8
55 years and over .....	6,894	6,456	214	225	3.3	1,128	1,055	73	6.5
<b>Women, 16 years and over .....</b>	<b>32,679</b>	<b>28,141</b>	<b>2,449</b>	<b>2,089</b>	<b>6.4</b>	<b>10,221</b>	<b>9,508</b>	<b>712</b>	<b>7.0</b>
16 to 19 years .....	1,288	786	270	233	18.1	1,873	1,635	239	12.7
20 years and over .....	31,390	27,355	2,179	1,856	5.9	8,347	7,874	474	5.7
20 to 24 years .....	5,078	4,162	482	434	8.6	1,307	1,193	114	8.7
25 years and over .....	26,313	23,194	1,697	1,423	5.4	7,041	6,682	359	5.1
25 to 54 years .....	22,567	19,903	1,397	1,266	5.6	5,395	5,108	287	5.3
55 years and over .....	3,746	3,291	300	156	4.2	1,646	1,573	72	4.4
<b>Black</b>									
<b>Men, 16 years and over .....</b>	<b>5,713</b>	<b>4,528</b>	<b>406</b>	<b>779</b>	<b>13.6</b>	<b>446</b>	<b>315</b>	<b>130</b>	<b>29.3</b>
16 to 19 years .....	224	106	21	97	43.4	188	100	88	46.7
16 to 17 years .....	5,489	4,422	385	682	12.4	257	215	42	16.5
20 to 24 years .....	975	625	127	222	22.8	84	68	16	18.7
25 years and over .....	4,514	3,797	259	459	10.2	175	147	27	15.4
25 to 54 years .....	3,969	3,325	225	419	10.6	115	100	15	13.0
55 years and over .....	545	472	34	40	7.3	60	47	12	( <sup>2</sup> )
<b>Women, 16 years and over .....</b>	<b>5,165</b>	<b>3,949</b>	<b>473</b>	<b>743</b>	<b>14.4</b>	<b>879</b>	<b>682</b>	<b>196</b>	<b>22.4</b>
16 to 19 years .....	191	86	31	75	39.2	198	121	77	39.0
20 years and over .....	4,974	3,863	442	668	13.4	681	562	119	17.5
20 to 24 years .....	809	474	109	226	28.0	142	107	35	24.4
25 years and over .....	4,164	3,388	334	425	10.2	540	455	86	15.9
25 to 54 years .....	3,715	3,020	281	413	11.1	350	282	69	19.7
55 years and over .....	449	368	53	12	2.7	190	173	17	8.9

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

<sup>2</sup> Data not shown where base is less than 75,000.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Family relationship	October 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 <sup>1</sup> .....	94,381	65.0	87,643	6,739	7.1	50,801	24,824	8,553	1,844	15,581
Husbands .....	39,617	79.1	38,095	1,522	3.8	10,467	182	177	817	9,291
With employed wife .....	23,546	92.1	22,787	759	3.2	2,011	65	92	291	1,563
With unemployed wife .....	1,390	91.8	1,219	171	12.3	124	5	2	27	91
With wife not in labor force .....	14,681	63.8	14,089	592	4.0	8,332	112	82	499	7,638
Wives .....	27,071	54.1	25,557	1,514	5.6	23,012	19,820	379	275	2,538
With employed husband .....	24,006	63.0	22,787	1,219	5.1	14,089	12,761	289	63	975
With unemployed husband .....	930	61.1	759	171	18.4	592	534	22	10	27
With husband not in labor force .....	2,135	20.4	2,011	124	5.8	8,332	6,525	68	202	1,536
Relatives in married-couple families .....	13,221	60.8	11,533	1,687	12.8	8,520	873	5,946	272	1,429
16 to 19 years .....	4,880	49.8	4,128	752	15.4	4,910	106	4,543	12	249
20 to 24 years .....	5,194	74.7	4,602	592	11.4	1,763	169	1,261	30	303
25 years and over .....	3,147	63.0	2,803	343	10.9	1,847	598	142	230	877
Women who maintain families .....	5,965	61.4	5,317	649	10.9	3,750	2,814	143	138	655
Relatives in families maintained by women .....	5,217	59.8	4,162	1,055	20.2	3,508	767	1,598	230	913
16 to 19 years .....	1,322	47.3	899	424	32.0	1,475	78	1,228	2	167
20 to 24 years .....	1,690	76.2	1,347	344	20.3	529	92	289	12	135
25 years and over .....	2,205	59.5	1,916	287	13.0	1,504	597	81	216	611
Men who maintain families .....	1,742	75.2	1,624	118	6.8	574	32	26	48	468
Relatives in families maintained by men .....	1,548	61.5	1,355	194	12.5	970	336	284	64	287
16 to 19 years .....	281	55.0	219	61	21.9	229	10	173	-	46
20 to 24 years .....	469	75.0	405	64	13.7	156	30	98	-	29
25 years and over .....	798	57.7	731	69	8.6	585	296	13	64	212

<sup>1</sup> 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	
	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984
Total, 16 years and over .....	5,208	4,127	8.3	6.5	4,174	3,862	8.5	7.7
Married, spouse present .....	2,067	1,663	5.1	4.0	1,743	1,643	6.4	5.9
Widowed, divorced, or separated .....	670	449	11.3	7.5	876	800	9.1	8.3
Single (never married) .....	2,471	2,014	15.2	12.0	1,555	1,418	12.6	11.1
White, 16 years and over .....	4,007	3,088	7.2	5.5	2,987	2,801	7.1	6.5
Married, spouse present .....	1,713	1,390	4.7	3.8	1,457	1,365	6.0	5.5
Widowed, divorced, or separated .....	500	336	10.2	6.8	601	573	7.7	7.5
Single (never married) .....	1,794	1,362	13.1	9.8	930	863	9.2	8.4
Black, 16 years and over .....	1,016	910	17.3	14.8	1,064	939	18.7	15.5
Married, spouse present .....	271	216	9.2	7.1	221	218	10.3	9.7
Widowed, divorced, or separated .....	149	101	16.9	11.8	257	209	15.6	11.9
Single (never married) .....	596	592	28.9	26.0	587	512	30.9	25.1
Total, 25 years and over .....	3,178	2,523	6.3	4.9	2,499	2,387	6.6	6.1
Married, spouse present .....	1,845	1,504	4.8	3.9	1,393	1,317	5.7	5.2
Widowed, divorced, or separated .....	614	423	10.9	7.4	765	713	8.4	7.8
Single (never married) .....	720	596	11.1	8.5	342	356	7.4	7.3
White, 25 years and over .....	2,502	1,937	5.6	4.3	1,831	1,781	5.6	5.3
Married, spouse present .....	1,511	1,250	4.4	3.6	1,156	1,094	5.4	4.9
Widowed, divorced, or separated .....	453	318	9.7	6.7	516	505	7.0	7.0
Single (never married) .....	539	369	10.0	6.4	158	182	4.5	4.9
Black, 25 years and over .....	550	486	12.1	10.4	591	527	13.1	11.2
Married, spouse present .....	256	197	9.1	6.9	182	169	9.2	8.3
Widowed, divorced, or separated .....	140	94	16.4	11.3	230	194	14.5	11.4
Single (never married) .....	155	196	17.7	19.4	177	164	19.1	16.9

A-12. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984
Total, 16 years and over .....	9,383	7,989	8.4	7.0	8.3	6.5	8.5	7.7
Managerial and professional specialty .....	655	655	2.7	2.5	2.7	2.0	2.6	3.3
Executive, administrative, and managerial .....	328	317	2.9	2.7	2.8	2.1	3.2	3.7
Professional specialty .....	327	338	2.4	2.4	2.6	1.9	2.3	3.1
Technical, sales, and administrative support .....	1,986	1,666	5.9	4.8	4.9	3.7	6.4	5.5
Technicians and related support .....	159	94	4.8	2.8	4.7	2.7	5.0	3.0
Sales occupations .....	794	732	6.2	5.4	4.3	3.8	8.2	7.0
Administrative support, including clerical .....	1,034	840	5.9	4.8	6.1	3.9	5.8	5.0
Service occupations .....	1,748	1,419	11.1	9.1	10.3	8.4	11.6	9.5
Private household .....	88	65	7.8	6.1	( <sup>1</sup> )	( <sup>1</sup> )	7.9	6.6
Protective service .....	123	100	7.0	5.4	6.6	5.1	9.6	7.5
Service, except private household and protective .....	1,538	1,255	11.9	9.9	11.6	9.6	12.1	10.0
Precision production, craft, and repair .....	1,133	841	8.2	5.9	7.9	5.9	10.6	6.8
Mechanics and repairers .....	301	188	6.7	4.1	6.6	4.2	10.0	7
Construction trades .....	512	451	10.1	8.6	9.9	8.5	18.3	15.8
Other precision production, craft, and repair .....	321	202	7.4	4.7	6.7	4.1	9.9	6.7
Operators, fabricators, and laborers .....	2,390	2,040	12.6	10.6	12.6	9.9	12.5	12.4
Machine operators, assemblers, and inspectors .....	1,122	972	12.2	10.7	11.9	9.1	12.6	12.9
Transportation and material moving occupations .....	456	431	9.5	8.4	9.5	8.1	8.5	11.5
Handlers, equipment cleaners, helpers, and laborers .....	812	636	16.5	12.5	17.0	13.0	14.1	10.5
Construction laborers .....	138	142	17.9	16.9	17.4	17.1	( <sup>1</sup> )	( <sup>1</sup> )
Other handlers, equipment cleaners, helpers, and laborers .....	673	495	16.2	11.6	16.8	12.0	13.6	10.4
Farming, forestry, and fishing .....	370	305	9.2	7.9	8.8	7.3	11.4	11.0
No previous work experience .....	1,044	995	-	-	-	-	-	-
16 to 19 years .....	702	632	-	-	-	-	-	-
20 to 24 years .....	236	237	-	-	-	-	-	-
25 years and over .....	107	127	-	-	-	-	-	-

<sup>1</sup> 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	
	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984
Total, 16 years and over .....	9,383	7,989	8.4	7.0	8.3	6.5	8.5	7.7
Nonagricultural private wage and salary workers .....	7,071	5,860	8.6	6.9	8.6	6.6	8.6	7.4
Mining .....	116	109	11.6	10.5	13.6	11.0	1.8	8.0
Construction .....	682	617	12.5	10.7	12.6	10.8	10.7	9.2
Manufacturing .....	1,958	1,543	9.0	7.0	8.6	6.0	9.8	8.8
Durable goods .....	1,234	879	9.6	6.6	9.2	6.5	10.4	6.8
Lumber and wood products .....	84	86	12.3	12.2	12.4	12.4	11.4	11.4
Furniture and fixtures .....	61	50	10.8	8.8	8.1	10.4	15.6	4.5
Stone, clay, and glass products .....	56	51	9.2	7.8	8.7	7.7	10.9	8.0
Primary metal industries .....	168	135	17.1	13.4	17.0	13.8	17.9	11.2
Fabricated metal products .....	195	117	13.5	8.0	12.1	8.0	17.3	8.2
Machinery, except electrical .....	229	115	8.7	4.3	9.0	3.8	7.6	5.8
Electrical machinery, equipment, and supplies .....	163	143	6.8	5.8	5.2	4.7	8.8	7.3
Transportation equipment .....	172	129	7.2	4.8	7.5	5.0	6.1	4.0
Automobiles .....	86	101	7.9	7.3	8.0	7.1	7.1	7.9
Other transportation equipment .....	86	28	6.7	2.2	7.0	2.8	5.4	1.3
Professional and photographic equipment .....	34	20	4.8	2.9	3.6	2.3	6.5	4.0
Other durable goods industries .....	74	35	14.3	7.4	11.6	4.3	17.1	11.1
Nondurable goods .....	725	664	8.3	7.5	7.5	5.1	9.3	10.7
Food and kindred products .....	210	167	11.7	8.9	10.9	6.2	13.3	14.7
Textile mill products .....	62	87	7.7	10.3	5.7	10.2	9.7	10.5
Apparel and other textile products .....	120	133	9.2	10.4	11.5	4.0	8.7	11.6
Paper and allied products .....	34	36	4.8	5.6	3.9	5.3	7.9	6.5
Printing and publishing .....	92	75	5.7	4.4	5.1	3.4	6.5	5.8
Chemicals and allied products .....	74	55	6.2	4.5	5.8	3.1	7.1	7.7
Rubber and miscellaneous plastics products .....	79	57	10.3	7.5	8.9	4.5	12.9	13.3
Other nondurable goods industries .....	54	54	9.6	10.5	8.9	6.4	9.7	16.3
Transportation and public utilities .....	369	296	6.5	4.9	6.5	5.4	6.4	3.6
Transportation .....	290	225	7.4	5.4	7.4	6.0	7.4	3.5
Communications and other public utilities .....	79	71	3.2	2.7	2.8	2.6	3.9	2.8
Wholesale and retail trade .....	2,020	1,668	9.4	7.7	8.2	6.2	10.8	9.3
Wholesale trade .....	294	189	6.7	4.7	6.6	3.6	6.9	7.5
Retail trade .....	1,726	1,478	10.2	8.4	8.8	7.1	11.3	9.5
Finance, insurance, and real estate .....	256	204	4.2	3.3	3.0	3.2	4.9	3.4
Service industries .....	1,669	1,421	7.9	6.6	8.6	6.5	7.5	6.6
Professional services .....	653	568	5.5	4.7	5.0	4.0	5.7	5.0
Other service industries .....	1,016	853	11.0	9.0	11.4	8.5	10.7	9.5
Agricultural wage and salary workers .....	271	221	14.7	12.5	13.4	10.7	20.1	20.2
Government, self-employed, and unpaid family workers .....	996	913	3.7	3.4	3.8	3.0	3.6	3.8
No previous work experience .....	1,044	995	-	-	-	-	-	-

**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	
	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984
<b>NUMBER OF UNEMPLOYED</b>												
Total unemployed .....	9,383	7,989	4,339	3,382	3,417	3,226	1,627	1,381	6,994	5,889	2,080	1,840
Job losers .....	4,971	3,876	3,172	2,376	1,441	1,244	358	255	3,790	2,949	1,156	928
On layoff .....	1,098	927	696	570	345	307	57	50	925	822	150	89
Other job losers .....	3,873	2,949	2,476	1,806	1,096	937	301	205	2,865	2,127	1,006	839
Job leavers .....	935	894	372	321	433	436	130	136	770	716	22	33
Reentrants .....	2,432	2,230	641	579	1,354	1,291	437	360	1,756	1,618	589	543
New entrants .....	1,045	989	155	106	188	254	702	629	679	606	314	346
<b>PERCENT DISTRIBUTION</b>												
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 .....	53.0	48.5	73.1	70.2	42.2	38.6	22.0	18.4	54.2	50.1	55.6	50.2
On layoff .....	11.7	11.6	16.0	16.8	10.1	9.5	3.5	3.6	13.2	14.0	7.2	4.8
Other job losers .....	41.3	36.9	57.1	53.4	32.1	29.1	18.5	14.8	41.0	36.1	48.4	45.4
Job leavers .....	10.0	11.2	8.6	9.5	12.7	13.5	8.0	9.9	11.0	12.2	1.1	1.8
Reentrants .....	25.9	27.9	14.8	17.1	39.6	40.0	26.8	26.1	25.1	27.5	28.3	29.3
New entrants .....	11.1	12.4	3.6	3.1	5.5	7.9	43.1	45.5	9.7	10.3	15.1	18.7
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>												
Job losers .....	4.5	3.4	5.4	3.9	3.2	2.7	4.7	3.4	3.8	3.0	10.0	7.6
Job leavers .....	.8	.8	.6	.5	1.0	.9	1.7	1.8	.8	.7	.2	.3
Reentrants .....	2.2	2.0	1.1	1.0	3.0	2.8	5.7	4.8	1.8	1.6	5.1	4.4
New entrants .....	.9	.9	.3	.2	.4	.5	9.2	8.4	.7	.6	2.7	2.8

**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	October 1984						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over .....	7,989	100.0	42.8	28.6	28.6	12.1	16.5
Job losers .....	3,876	100.0	37.4	27.7	35.0	13.0	22.0
On layoff .....	927	100.0	56.6	22.4	21.0	8.8	12.3
Other job losers .....	2,949	100.0	31.3	29.3	39.4	14.3	25.1
Job leavers .....	894	100.0	47.1	32.3	20.6	9.6	10.9
Reentrants .....	2,230	100.0	48.6	29.6	21.8	10.3	11.5
New entrants .....	989	100.0	47.2	26.9	25.8	14.5	11.3
Men, 20 years and over .....	3,382	100.0	36.6	27.5	35.9	12.7	23.3
Job losers .....	2,376	100.0	35.0	25.6	39.5	13.2	26.3
On layoff .....	570	100.0	55.7	20.3	24.0	8.5	15.5
Other job losers .....	1,806	100.0	28.4	27.2	44.3	14.6	29.7
Job leavers .....	321	100.0	38.6	37.2	24.3	11.6	12.7
Reentrants .....	579	100.0	41.1	30.3	28.5	11.0	17.6
New entrants .....	106	100.0	41.5	25.6	32.9	13.5	19.4
Women, 20 years and over .....	3,226	100.0	45.7	28.7	25.6	11.6	14.0
Job losers .....	1,244	100.0	38.4	29.6	32.0	14.1	18.0
On layoff .....	307	100.0	55.5	25.6	18.9	10.7	8.2
Other job losers .....	937	100.0	32.8	30.9	36.3	15.2	21.1
Job leavers .....	436	100.0	46.3	33.0	20.7	9.7	11.1
Reentrants .....	1,291	100.0	51.4	27.1	21.5	10.5	11.0
New entrants .....	254	100.0	51.8	25.2	23.0	8.4	14.6
Both sexes, 16 to 19 years .....	1,381	100.0	51.4	31.2	17.4	11.6	5.9
Job losers .....	255	100.0	54.5	37.7	7.8	5.5	2.3
On layoff .....	50	100.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Other job losers .....	205	100.0	49.6	40.5	9.9	7.0	2.9
Job leavers .....	136	100.0	70.1	18.7	11.2	5.0	6.2
Reentrants .....	360	100.0	50.9	37.2	12.0	8.6	3.4
New entrants .....	629	100.0	46.4	27.9	25.8	17.2	8.6

<sup>1</sup> 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	
	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984
Total, 16 years and over .....	9,383	7,989	100.0	100.0	7,685	6,429	100.0	100.0
Less than 5 weeks .....	3,477	3,421	37.1	42.8	2,525	2,545	32.9	39.6
5 to 14 weeks .....	2,600	2,286	27.7	28.6	2,080	1,847	27.1	28.7
5 to 10 weeks .....	1,931	1,736	20.6	21.7	1,510	1,375	19.6	21.4
11 to 14 weeks .....	669	551	7.1	6.9	570	472	7.4	7.3
15 weeks and over .....	3,306	2,282	35.2	28.6	3,080	2,036	40.1	31.7
15 to 26 weeks .....	1,200	963	12.8	12.1	1,077	816	14.0	12.7
27 weeks and over .....	2,106	1,319	22.4	16.5	2,004	1,221	26.1	19.0
27 to 51 weeks .....	712	462	7.6	5.8	683	428	8.9	6.7
52 weeks and over .....	1,393	857	14.8	10.7	1,321	793	17.2	12.3
Average (mean) duration, in weeks .....	19.8	16.3	-	-	22.2	18.1	-	-
Median duration, in weeks .....	8.5	6.5	-	-	10.2	7.5	-	-



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	
								Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984
	October 1984										
Total, 16 years and over .....	7,989	3,421	2,286	963	1,319	16.3	6.5	37.1	42.8	35.2	28.6
16 to 19 years .....	1,381	710	431	160	81	9.3	4.9	48.3	51.4	17.6	17.4
20 to 24 years .....	1,698	776	519	170	232	14.3	5.8	41.4	45.7	30.7	23.7
25 to 34 years .....	2,164	941	615	241	367	16.8	6.8	35.0	43.5	38.5	28.1
35 to 44 years .....	1,304	533	369	147	256	18.0	7.6	30.1	40.9	42.9	30.9
45 to 54 years .....	789	257	204	128	201	21.9	10.2	29.1	32.5	46.8	41.7
55 to 64 years .....	546	162	132	102	150	25.2	12.0	30.6	29.7	48.9	46.2
65 years and over .....	106	43	17	14	33	23.9	10.0	25.1	40.1	35.6	43.8
Men, 16 years and over .....	4,127	1,595	1,185	513	835	19.5	7.6	32.6	38.6	40.4	32.7
16 to 19 years .....	1,381	710	431	160	81	9.3	5.3	47.0	48.0	18.4	17.7
20 to 24 years .....	859	370	266	90	133	16.2	6.4	37.1	43.1	34.2	26.0
25 to 34 years .....	1,099	427	297	131	245	21.2	8.6	29.7	38.8	46.1	34.1
35 to 44 years .....	654	237	181	74	162	22.3	9.0	24.9	36.3	48.6	36.0
45 to 54 years .....	401	117	100	63	120	25.5	12.1	23.8	29.2	52.5	45.8
55 to 64 years .....	313	67	78	64	103	30.6	17.0	26.4	21.4	54.6	53.5
65 years and over .....	56	19	7	5	25	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women, 16 years and over .....	3,862	1,826	1,102	449	485	13.0	5.6	42.6	47.3	28.7	24.2
16 to 19 years .....	636	352	176	75	34	8.9	4.5	49.8	55.3	16.7	17.1
20 to 24 years .....	838	406	253	80	99	12.4	5.3	46.8	48.4	26.1	21.4
25 to 34 years .....	1,065	514	318	111	123	12.3	5.4	41.4	48.2	29.4	21.9
35 to 44 years .....	650	296	187	72	94	13.7	6.2	36.8	45.5	35.7	25.7
45 to 54 years .....	388	140	104	65	80	18.2	8.9	36.0	36.0	39.4	37.3
55 to 64 years .....	234	95	53	38	47	17.9	7.0	37.6	40.8	39.5	36.4
65 years and over .....	50	24	10	8	8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
White, 16 years and over .....	5,889	2,635	1,633	724	898	15.5	6.2	38.4	44.7	34.4	27.5
Men .....	3,088	1,223	875	401	589	18.7	7.4	33.3	39.6	39.9	32.1
Women .....	2,801	1,412	758	323	308	12.0	5.0	45.2	50.4	27.1	22.5
Black, 16 years and over .....	1,849	670	573	208	398	19.6	6.9	31.3	36.2	39.3	32.8
Men .....	910	319	267	93	231	23.2	7.7	28.5	35.0	44.9	35.6
Women .....	939	352	306	115	167	16.2	6.4	33.9	37.4	34.1	30.0
Men, 16 years and over:											
Married, spouse present .....	1,663	591	446	223	404	22.2	9.0	28.2	35.5	49.3	37.7
Widowed, divorced, or separated .....	449	143	115	63	128	25.2	11.4	28.6	31.9	46.5	42.4
Single (never married) .....	2,014	861	623	228	303	16.0	6.4	37.5	42.7	31.4	26.4
Women, 16 years and over:											
Married, spouse present .....	1,643	787	464	199	193	12.4	5.5	43.9	47.9	30.1	23.9
Widowed, divorced, or separated .....	800	366	205	88	142	16.0	6.3	36.1	45.7	34.5	28.7
Single (never married) .....	1,418	674	432	163	150	12.0	5.4	44.7	47.5	24.0	22.0

<sup>1</sup> 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	
								Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984
	October 1984										
<b>OCCUPATION</b>											
Managerial and professional specialty .....	655	229	226	90	110	16.3	8.3	28.5	35.0	42.5	30.5
Technical, sales, and administrative support .....	1,666	720	526	170	249	14.5	6.3	39.5	43.2	31.1	25.2
Service occupations .....	1,419	649	424	157	188	14.0	5.9	41.0	45.7	29.8	24.4
Precision production, craft, and repair .....	841	344	231	99	167	18.9	7.3	32.3	40.9	41.4	31.7
Operators, fabricators, and laborers .....	2,040	801	517	278	443	20.5	7.9	33.8	39.3	43.3	35.4
Farming, forestry, and fishing .....	305	158	91	18	38	12.7	4.8	42.7	51.6	24.3	18.6
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	221	118	75	7	21	9.7	4.7	40.0	53.3	25.0	12.7
Construction .....	662	257	203	64	139	18.4	6.8	37.1	38.8	32.3	30.6
Manufacturing .....	1,550	642	370	193	344	20.9	7.5	29.3	41.5	49.0	34.7
Durable goods .....	882	334	197	118	234	24.6	9.2	25.3	37.9	55.8	39.8
Nondurable goods .....	667	308	173	76	110	15.9	5.9	36.1	46.2	37.4	27.9
Transportation and public utilities .....	355	123	101	46	86	22.5	8.9	30.4	34.6	44.8	37.1
Wholesale and retail trade .....	1,674	746	475	193	259	15.1	6.3	42.6	44.6	30.8	27.0
Finance and service industries .....	1,988	814	645	257	272	14.5	6.8	38.5	40.9	32.5	26.7
Public administration .....	267	127	73	28	39	15.0	5.7	30.8	47.7	25.2	25.1
No previous work experience .....	995	473	266	144	111	13.4	5.5	42.2	47.5	26.6	25.7

<sup>1</sup> Includes wage and salary workers only.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Sex, age, and race	October 1984								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over .....	7,989	6,942	23.1	6.0	75.1	36.1	18.4	5.3	1.64
16 to 19 years .....	1,381	1,309	13.4	3.7	81.7	25.5	15.8	4.4	1.45
20 to 24 years .....	1,698	1,525	25.4	6.3	76.9	37.2	16.5	4.7	1.67
25 to 34 years .....	2,164	1,830	23.1	6.5	72.7	40.2	19.8	5.4	1.68
35 to 44 years .....	1,304	1,086	31.3	6.8	74.8	38.6	19.3	4.7	1.76
45 to 54 years .....	789	651	25.8	5.8	72.2	39.2	20.0	6.0	1.69
55 to 64 years .....	546	448	22.1	8.0	67.2	37.3	21.2	9.2	1.55
65 years and over .....	106	93	14.0	1.1	61.3	25.8	19.4	6.5	1.28
Men, 16 years and over .....	4,127	3,465	25.9	6.5	76.5	34.0	20.8	6.4	1.70
16 to 19 years .....	745	698	14.5	3.9	82.8	23.6	17.6	4.7	1.47
20 to 24 years .....	859	768	26.4	6.4	77.1	36.3	20.2	4.4	1.71
25 to 34 years .....	1,099	873	24.6	7.3	75.3	37.5	21.8	7.4	1.74
35 to 44 years .....	654	504	39.3	8.1	77.2	37.9	23.6	5.4	1.91
45 to 54 years .....	401	311	36.0	7.7	68.8	40.2	23.2	9.6	1.86
55 to 64 years .....	313	262	21.4	6.9	72.1	31.3	22.5	11.1	1.65
65 years and over .....	56	49	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women, 16 years and over .....	3,862	3,477	20.3	5.5	73.7	38.1	15.9	4.1	1.58
16 to 19 years .....	636	611	11.9	3.6	80.4	27.7	13.7	4.1	1.41
20 to 24 years .....	638	757	24.3	6.2	76.8	38.2	12.8	4.9	1.63
25 to 34 years .....	1,065	957	21.6	5.6	70.3	42.7	18.1	3.6	1.62
35 to 44 years .....	650	582	24.4	5.7	72.7	39.2	15.6	4.3	1.62
45 to 54 years .....	388	340	16.8	4.1	75.3	38.5	17.1	2.6	1.54
55 to 64 years .....	234	186	22.6	9.7	60.8	45.7	19.9	5.9	1.65
65 years and over .....	50	44	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
White, 16 years and over .....	5,889	4,965	22.9	6.0	75.2	38.5	17.7	5.6	1.66
Men .....	3,088	2,502	25.7	6.2	77.7	35.7	20.5	7.2	1.73
Women .....	2,801	2,463	20.1	5.7	72.6	41.4	14.9	4.1	1.59
Black, 16 years and over .....	1,849	1,750	23.9	5.8	74.7	30.0	20.3	4.2	1.59
Men .....	910	853	27.4	6.6	72.5	29.3	21.9	4.0	1.62
Women .....	939	896	20.6	5.1	76.8	30.7	18.9	4.5	1.57

<sup>1</sup> Data not shown where base is less than 75,000.

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.

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

Sex and reason	October 1984								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over .....	7,989	6,942	23.1	6.0	75.1	36.1	18.4	5.3	1.64
Job losers <sup>1</sup> .....	3,876	2,985	30.9	6.8	76.6	37.3	21.1	4.8	1.78
Job leavers .....	894	889	22.0	6.4	74.5	43.0	18.4	4.5	1.69
Reentrants .....	2,230	2,086	16.3	5.0	71.7	34.1	14.5	7.3	1.49
New entrants .....	989	982	14.7	5.1	78.1	30.0	18.1	3.1	1.49
Men, 16 years and over .....	4,127	3,465	25.9	6.5	76.5	34.0	20.8	6.4	1.70
Job losers <sup>1</sup> .....	2,537	1,950	32.5	6.9	77.1	34.2	21.9	5.8	1.78
Job leavers .....	377	376	22.9	7.4	75.8	38.8	23.4	6.6	1.75
Reentrants .....	783	714	15.5	4.9	72.5	33.8	15.7	10.2	1.53
New entrants .....	429	425	15.3	6.4	81.2	28.9	22.1	2.8	1.57
Women, 16 years and over .....	3,862	3,477	20.3	5.5	73.7	38.1	15.9	4.1	1.58
Job losers <sup>1</sup> .....	1,338	1,035	27.9	6.5	75.9	43.2	19.6	2.8	1.76
Job leavers .....	516	513	21.2	5.7	73.5	46.0	15.0	2.9	1.64
Reentrants .....	1,447	1,372	16.8	5.1	71.2	34.3	13.8	5.8	1.47
New entrants .....	560	557	14.2	4.1	75.8	31.1	15.1	3.2	1.43

<sup>1</sup> 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	
	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984
All industries .....	102,659	106,262	57,693	59,716	44,966	46,546
16 to 19 years .....	5,991	6,093	3,113	3,106	2,878	2,987
16 to 17 years .....	2,128	2,282	1,087	1,153	1,042	1,129
18 to 19 years .....	3,863	3,811	2,027	1,953	1,836	1,858
20 to 24 years .....	13,858	14,280	7,299	7,588	6,559	6,692
25 to 54 years .....	68,248	71,546	38,675	40,558	29,572	30,988
25 to 34 years .....	29,508	31,119	16,651	17,626	12,857	13,494
35 to 44 years .....	22,661	24,136	12,795	13,567	9,866	10,569
45 to 54 years .....	16,079	16,291	9,229	9,365	6,849	6,926
55 to 84 years .....	11,486	11,367	6,766	6,704	4,719	4,663
55 to 59 years .....	6,955	6,860	4,124	4,061	2,832	2,799
60 to 64 years .....	4,530	4,507	2,643	2,643	1,887	1,864
65 years and over .....	3,076	2,975	1,840	1,760	1,237	1,215
Agriculture .....	3,407	3,268	2,726	2,640	681	628
16 to 19 years .....	261	238	216	196	45	42
16 to 17 years .....	119	108	101	81	18	27
18 to 19 years .....	142	130	115	116	27	14
20 to 24 years .....	470	415	399	357	71	59
25 to 54 years .....	1,814	1,831	1,416	1,443	398	388
25 to 34 years .....	757	738	607	626	149	112
35 to 44 years .....	583	566	454	418	129	147
45 to 54 years .....	474	527	354	398	119	129
55 to 64 years .....	550	504	422	404	128	99
55 to 59 years .....	302	271	226	210	76	61
60 to 64 years .....	248	232	196	194	51	38
65 years and over .....	313	280	274	240	39	40
Nonagricultural industries .....	99,252	102,994	54,967	57,077	44,285	45,918
16 to 19 years .....	5,730	5,855	2,898	2,909	2,833	2,945
16 to 17 years .....	2,009	2,173	986	1,072	1,023	1,101
18 to 19 years .....	3,721	3,681	1,912	1,837	1,809	1,844
20 to 24 years .....	13,388	13,865	6,900	7,232	6,488	6,633
25 to 54 years .....	66,434	69,715	37,260	39,115	29,174	30,600
25 to 34 years .....	28,752	30,381	16,044	17,000	12,708	13,382
35 to 44 years .....	22,078	23,570	12,341	13,149	9,737	10,421
45 to 54 years .....	15,605	15,764	8,875	8,968	6,730	6,797
55 to 64 years .....	10,936	10,864	8,344	6,299	4,592	4,564
55 to 59 years .....	6,653	6,589	3,897	3,851	2,756	2,738
60 to 64 years .....	4,282	4,275	2,447	2,449	1,836	1,826
65 years and over .....	2,764	2,695	1,566	1,520	1,198	1,175

**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	
	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984
<b>Total</b> .....	102,659	106,262	57,693	59,716	54,580	56,610	44,966	46,546	42,088	43,559
<b>Managerial and professional specialty</b> .....	23,863	25,219	13,986	14,719	13,909	14,633	9,877	10,500	9,787	10,410
Executive, administrative, and managerial .....	10,841	11,657	7,263	7,645	7,239	7,619	3,579	4,012	3,554	3,977
Officials and administrators, public administration .....	526	493	348	326	348	326	178	167	178	167
Other executive, administrative, and managerial .....	7,395	7,947	5,231	5,540	5,211	5,519	2,164	2,407	2,146	2,382
Management-related occupations .....	2,920	3,216	1,683	1,779	1,679	1,774	1,237	1,438	1,230	1,428
Professional specialty .....	13,022	13,562	6,724	7,074	6,671	7,014	6,298	6,488	6,233	6,433
Engineers .....	1,595	1,611	1,505	1,500	1,506	1,498	90	111	90	109
Mathematical and computer scientists .....	432	473	330	325	324	324	101	148	101	148
Natural scientists .....	317	374	260	298	261	298	57	75	57	76
Health diagnosing occupations .....	690	786	600	705	600	705	90	80	88	81
Health assessment and treating occupations .....	1,899	1,914	254	247	254	247	1,646	1,667	1,646	1,665
Teachers, college and university .....	717	696	439	456	436	454	278	240	272	239
Teachers, except college and university .....	3,473	3,590	1,027	1,058	1,018	1,041	2,446	2,532	2,405	2,506
Lawyers and judges .....	641	678	530	544	527	544	112	134	112	134
Other professional specialty occupations .....	3,257	3,441	1,778	1,941	1,745	1,902	1,479	1,499	1,461	1,477
<b>Technical, sales, and administrative support</b> .....	31,800	32,723	11,338	11,524	10,793	11,009	20,462	21,200	19,013	19,704
Technicians and related support .....	3,114	3,214	1,636	1,670	1,622	1,643	1,478	1,544	1,455	1,525
Health technologists and technicians .....	1,103	1,169	166	207	164	203	937	963	925	957
Engineering and science technicians .....	1,043	1,061	857	848	848	833	185	214	179	203
Technicians, except health, engineering, and science .....	968	983	613	616	610	606	355	368	350	365
Sales occupations .....	12,084	12,747	6,356	6,501	5,987	6,171	5,728	6,246	4,947	5,380
Supervisors and proprietors .....	3,129	3,304	2,217	2,289	2,196	2,277	912	1,015	896	996
Sales representatives, finance and business services .....	1,875	1,978	1,175	1,211	1,167	1,200	700	767	688	751
Sales representatives, commodities, except retail .....	1,397	1,504	1,187	1,248	1,173	1,232	210	256	205	248
Sales workers, retail and personal services .....	5,641	5,914	1,755	1,742	1,433	1,450	3,865	4,172	3,141	3,353
Sales-related occupations .....	42	47	21	12	18	12	21	35	18	33
Administrative support, including clerical .....	16,602	16,763	3,346	3,353	3,184	3,195	13,256	13,410	12,611	12,800
Supervisors .....	730	653	322	312	322	313	409	341	408	341
Computer equipment operators .....	621	672	230	194	225	194	391	478	374	461
Secretaries, stenographers, and typists .....	4,898	4,825	81	148	74	143	4,817	4,677	4,599	4,449
Financial records processing .....	2,397	2,452	246	212	239	208	2,152	2,240	2,095	2,190
Mail and message distributing .....	836	801	551	578	535	547	285	223	273	217
Other administrative support, including clerical .....	7,120	7,360	1,916	1,908	1,788	1,790	5,203	5,451	4,862	5,142
<b>Service occupations</b> .....	14,034	14,214	5,498	5,600	4,615	4,780	8,535	8,614	7,493	7,534
Private household .....	1,031	991	57	39	36	31	974	952	783	781
Protective service .....	1,624	1,744	1,416	1,516	1,392	1,478	208	228	196	208
Service, except private household and protective .....	11,378	11,479	4,025	4,046	3,187	3,270	7,353	7,433	6,514	6,546
Food service .....	4,963	4,969	1,845	1,853	1,224	1,266	3,118	3,115	2,524	2,487
Health service .....	1,752	1,690	172	145	161	141	1,580	1,545	1,469	1,436
Cleaning and building service .....	2,706	2,812	1,630	1,707	1,460	1,550	1,076	1,104	1,009	1,051
Personal service .....	1,958	2,008	378	340	342	314	1,580	1,668	1,512	1,572
<b>Precision production, craft, and repair</b> .....	12,745	13,305	11,675	12,166	11,343	11,779	1,069	1,139	1,026	1,109
Mechanics and repairers .....	4,196	4,423	4,081	4,276	3,973	4,154	116	147	112	144
Construction trades .....	4,554	4,784	4,474	4,689	4,324	4,518	81	95	80	92
Other precision production, craft, and repair .....	3,994	4,098	3,121	3,201	3,046	3,107	873	897	834	873
<b>Operators, fabricators, and laborers</b> .....	16,556	17,252	12,118	12,696	11,121	11,668	4,437	4,556	4,227	4,315
Machine operators, assemblers, and inspectors .....	8,072	8,121	4,673	4,815	4,493	4,595	3,399	3,306	3,307	3,169
Manufacturing industries .....	6,736	6,809	3,826	3,987	3,696	3,844	2,910	2,822	2,836	2,719
Durable goods .....	3,649	3,833	2,492	2,647	2,413	2,558	1,157	1,186	1,131	1,135
Nondurable goods .....	3,087	2,977	1,334	1,341	1,283	1,286	1,754	1,636	1,705	1,584
Nonmanufacturing industries .....	1,337	1,311	847	827	798	751	489	484	470	450
Transportation and material moving occupations .....	4,368	4,680	4,035	4,265	3,926	4,133	333	415	314	402
Motor vehicle operators .....	3,090	3,354	2,815	3,004	2,740	2,892	275	350	262	336
Other transportation and material moving occupations .....	1,278	1,326	1,220	1,261	1,185	1,241	58	65	52	65
Handlers, equipment cleaners, helpers, and laborers .....	4,115	4,452	3,410	3,617	2,703	2,940	705	835	606	744
Construction laborers .....	634	696	630	670	554	624	5	26	5	25
Other handlers, equipment cleaners, helpers, and laborers .....	3,481	3,756	2,781	2,946	2,148	2,316	700	809	601	719
<b>Farming, forestry, and fishing</b> .....	3,661	3,548	3,077	3,011	2,798	2,741	584	536	542	486
Farm operators and managers .....	1,464	1,421	1,262	1,247	1,247	1,228	203	174	202	172
Other farming, forestry, and fishing occupations .....	2,197	2,127	1,815	1,764	1,551	1,514	382	363	339	313

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984
<b>TOTAL</b>						
Total, 16 years and over (thousands) .....	102,659	106,262	57,693	59,716	44,966	46,546
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	23.2	23.7	24.2	24.6	22.0	22.6
Executive, administrative, and managerial .....	10.6	11.0	12.6	12.8	8.0	8.6
Professional specialty .....	12.7	12.8	11.7	11.8	14.0	13.9
Technical, sales, and administrative support .....	31.0	30.8	19.7	19.3	45.5	45.5
Technicians and related support .....	3.0	3.0	2.8	2.8	3.3	3.3
Sales occupations .....	11.8	12.0	11.0	10.9	12.7	13.4
Administrative support, including clerical .....	16.2	15.8	5.8	5.6	29.5	28.8
Service occupations .....	13.7	13.4	9.5	9.4	19.0	18.5
Private household .....	1.0	.9	.1	.1	2.2	2.0
Protective service .....	1.6	1.6	2.5	2.5	.5	.5
Service, except private household and protective .....	11.1	10.8	7.0	6.8	16.4	16.0
Precision production, craft, and repair .....	12.4	12.5	20.2	20.4	2.4	2.4
Operators, fabricators, and laborers .....	16.1	16.2	21.0	21.3	9.9	9.8
Machine operators, assemblers, and inspectors .....	7.9	7.6	8.1	8.1	7.6	7.1
Transportation and material moving occupations .....	4.3	4.4	7.0	7.1	.7	.9
Handlers, equipment cleaners, helpers, and laborers .....	4.0	4.2	5.9	6.1	1.6	1.8
Farming, forestry, and fishing .....	3.6	3.3	5.3	5.0	1.3	1.2
<b>White</b>						
Total, 16 years and over (thousands) .....	90,532	92,925	51,368	52,827	39,164	40,098
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	24.3	24.7	25.5	25.8	22.7	23.4
Executive, administrative, and managerial .....	11.2	11.6	13.3	13.5	8.3	9.1
Professional specialty .....	13.1	13.1	12.1	12.3	14.4	14.3
Technical, sales, and administrative support .....	31.7	31.4	20.1	19.7	46.9	46.8
Technicians and related support .....	3.0	3.0	2.9	2.8	3.2	3.3
Sales occupations .....	12.4	12.6	11.7	11.6	13.4	14.1
Administrative support, including clerical .....	16.3	15.7	5.6	5.3	30.3	29.4
Service occupations .....	12.3	12.1	8.5	8.3	17.4	17.1
Private household .....	.8	.7	.1	( <sup>1</sup> )	1.7	1.6
Protective service .....	1.5	1.6	2.3	2.4	.4	.5
Service, except private household and protective .....	10.1	9.8	6.1	5.8	15.3	15.0
Precision production, craft, and repair .....	12.8	12.9	20.7	20.8	2.3	2.4
Operators, fabricators, and laborers .....	15.2	15.5	19.8	20.3	9.2	9.1
Machine operators, assemblers, and inspectors .....	7.3	7.2	7.7	7.7	7.0	6.4
Transportation and material moving occupations .....	4.1	4.3	6.6	6.9	.8	.9
Handlers, equipment cleaners, helpers, and laborers .....	3.7	4.0	5.5	5.7	1.5	1.8
Farming, forestry, and fishing .....	3.7	3.5	5.4	5.1	1.4	1.3
<b>Black</b>						
Total, 16 years and over (thousands) .....	9,502	10,353	4,871	5,249	4,631	5,104
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	13.1	14.1	10.9	12.8	15.5	15.5
Executive, administrative, and managerial .....	5.1	5.6	5.4	6.4	4.8	4.7
Professional specialty .....	8.0	8.6	5.5	6.5	10.7	10.7
Technical, sales, and administrative support .....	25.0	26.0	14.8	14.7	35.8	37.6
Technicians and related support .....	3.0	2.6	1.9	2.0	4.1	3.2
Sales occupations .....	5.9	6.5	4.5	4.3	7.4	8.8
Administrative support, including clerical .....	16.1	16.9	8.3	8.4	24.4	25.7
Service occupations .....	25.1	24.3	18.6	18.9	32.0	29.8
Private household .....	3.3	2.9	.3	.2	6.5	5.6
Protective service .....	2.7	2.4	4.2	3.9	1.0	.8
Service, except private household and protective .....	19.2	19.0	14.1	14.7	24.5	23.4
Precision production, craft, and repair .....	9.4	9.9	16.2	16.8	2.1	2.8
Operators, fabricators, and laborers .....	24.9	23.2	34.9	32.2	14.4	13.9
Machine operators, assemblers, and inspectors .....	12.1	11.1	12.6	11.3	11.5	11.0
Transportation and material moving occupations .....	6.2	6.0	11.4	10.9	.7	1.0
Handlers, equipment cleaners, helpers, and laborers .....	6.7	6.0	10.9	10.1	2.2	1.9
Farming, forestry, and fishing .....	2.4	2.5	4.6	4.5	.2	.4

<sup>1</sup> Less than 0.05 percent.

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

(In thousands)

Age and sex	October 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 .....	94,818	1,227	16,142	77,449	7,853	324	1,545	1,529	193
16 to 19 years .....	5,735	235	300	5,200	96	23	184	29	25
16 to 17 years .....	2,133	171	82	1,880	30	10	76	16	16
18 to 19 years .....	3,602	64	217	3,320	66	13	108	13	9
20 to 24 years .....	13,476	122	1,306	12,047	376	13	302	103	10
25 to 34 years .....	28,358	183	4,474	23,701	1,949	74	436	274	28
35 to 44 years .....	21,431	211	4,498	16,723	2,043	96	259	274	33
45 to 54 years .....	14,143	165	3,052	10,926	1,560	61	173	311	44
55 to 64 years .....	9,607	175	2,114	7,318	1,213	44	123	346	34
55 to 59 years .....	5,848	91	1,347	4,410	711	30	73	170	28
60 to 64 years .....	3,759	84	767	2,908	502	14	51	176	6
65 years and over .....	2,067	135	398	1,534	616	12	68	193	19
Men, 16 years and over .....	51,877	175	8,013	43,689	5,157	43	1,271	1,321	47
16 to 19 years .....	2,826	57	117	2,652	68	16	146	28	23
16 to 17 years .....	1,042	41	20	981	22	8	50	15	15
18 to 19 years .....	1,783	16	97	1,671	46	8	95	13	8
20 to 24 years .....	6,998	30	637	6,331	227	7	261	85	11
25 to 34 years .....	15,746	25	2,171	13,550	1,250	4	372	249	5
35 to 44 years .....	11,820	27	2,228	9,564	1,328	2	205	213	-
45 to 54 years .....	7,934	13	1,589	6,332	1,028	6	130	267	-
55 to 64 years .....	5,465	11	1,068	4,386	829	5	94	308	3
55 to 59 years .....	3,374	6	701	2,668	475	2	54	153	3
60 to 64 years .....	2,091	5	367	1,718	354	4	40	155	-
65 years and over .....	1,089	12	204	873	428	3	64	170	6
Women, 16 years and over .....	42,941	1,051	8,129	33,761	2,696	281	274	208	146
16 to 19 years .....	2,909	178	182	2,549	29	7	39	1	2
16 to 17 years .....	1,091	130	62	899	8	2	26	1	1
18 to 19 years .....	1,818	48	120	1,650	20	5	13	-	1
20 to 24 years .....	6,478	93	669	5,716	149	7	42	17	-
25 to 34 years .....	12,612	158	2,303	10,151	698	71	64	25	24
35 to 44 years .....	9,612	183	2,270	7,158	716	94	54	60	33
45 to 54 years .....	6,209	152	1,463	4,594	533	55	42	43	44
55 to 64 years .....	4,142	164	1,046	2,932	384	39	29	38	32
55 to 59 years .....	2,474	85	647	1,742	236	28	18	17	26
60 to 64 years .....	1,668	79	399	1,190	147	11	11	21	6
65 years and over .....	978	123	194	661	188	10	4	23	13

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-25. Employed civilians by industry and occupation**

(In thousands)

Industry	October 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 <sup>1</sup>		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture .....	3,268	34	52	14	13	103	-	15	42	12	48	10	2,925
Mining .....	955	169	116	41	6	121	-	10	287	31	147	28	-
Construction .....	6,962	745	134	43	54	436	-	23	4,062	119	534	800	13
Manufacturing .....	21,149	2,216	1,586	739	733	2,514	-	403	4,007	6,809	929	1,112	101
Durable goods .....	12,809	1,381	1,119	555	288	1,415	-	227	2,814	3,833	529	557	92
Nondurable goods .....	8,339	835	468	184	445	1,099	-	175	1,193	2,977	400	555	9
Transportation and public utilities .....	7,528	788	436	217	249	1,990	-	238	1,335	106	1,705	450	14
Wholesale and retail trade .....	22,169	1,745	382	116	9,375	2,192	-	4,082	1,445	273	847	1,675	37
Wholesale trade .....	4,190	386	73	38	1,726	766	-	70	261	124	446	287	14
Retail trade .....	17,979	1,359	308	78	7,649	1,427	-	4,013	1,184	149	401	1,388	23
Finance, insurance, and real estate .....	6,749	1,611	148	120	1,625	2,775	-	278	101	7	17	20	48
Services .....	32,630	3,316	10,042	1,700	672	5,343	991	6,956	1,782	741	409	308	370
Private households .....	1,235	-	8	6	-	5	991	77	8	3	5	27	104
Other service industries .....	31,395	3,316	10,033	1,694	672	5,338	-	6,878	1,774	738	403	281	266
Professional services .....	21,491	1,911	9,067	1,408	129	4,013	-	4,005	377	199	236	68	77
Public administration .....	4,852	1,033	669	225	21	1,287	-	1,219	246	21	44	47	41

<sup>1</sup> 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					
	Oct. 1983	Oct. 1984	Total		Wage and salary workers <sup>1</sup>			
			Oct. 1983	Oct. 1984	Paid absences		Unpaid absences	
					Oct. 1983	Oct. 1984	Oct. 1983	Oct. 1984
Total, 16 years and over .....	4,370	4,769	4,241	4,638	2,206	2,396	1,531	1,704
Vacation .....	2,123	2,205	2,081	2,179	1,571	1,607	346	362
Illness .....	1,223	1,443	1,190	1,400	420	507	638	777
Bad weather .....	54	97	37	56	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Industrial dispute .....	69	42	69	42	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
All other reasons .....	901	983	865	961	215	282	547	565
Men, 16 years and over .....	2,373	2,514	2,272	2,403	1,314	1,402	678	728
Vacation .....	1,224	1,296	1,192	1,283	979	1,040	134	133
Illness .....	683	711	659	671	255	264	333	366
All other reasons <sup>3</sup> .....	466	507	421	448	81	98	211	229
Women, 16 years and over .....	1,997	2,254	1,969	2,235	892	994	854	976
Vacation .....	899	909	889	896	592	568	212	229
Illness .....	540	731	530	728	166	244	305	411
All other reasons <sup>3</sup> .....	558	614	551	611	134	183	336	335

<sup>1</sup> Excludes private household workers.

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

<sup>3</sup> 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	October 1984					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over .....	101,493	3,136	98,357	100.0	100.0	100.0
1 to 34 hours .....	27,234	881	26,353	26.8	28.1	26.8
1 to 4 hours .....	878	37	841	.9	1.2	.9
5 to 14 hours .....	4,397	208	4,189	4.3	6.6	4.3
15 to 29 hours .....	12,566	428	12,138	12.4	13.6	12.3
30 to 34 hours .....	9,393	208	9,185	9.3	6.6	9.3
35 hours and over .....	74,259	2,256	72,004	73.2	71.9	73.2
35 to 39 hours .....	6,508	135	6,373	6.4	4.3	6.5
40 hours .....	39,872	600	39,271	39.3	19.1	39.9
41 hours and over .....	27,879	1,521	26,360	27.5	48.5	26.8
41 to 48 hours .....	10,314	272	10,043	10.2	8.7	10.2
49 to 59 hours .....	9,924	412	9,513	9.8	13.1	9.7
60 hours and over .....	7,641	837	6,804	7.5	26.7	6.9
Average hours, total at work .....	38.7	44.5	38.5	-	-	-
Average hours, workers on full-time schedules .....	43.2	51.5	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	October 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 .....	27,234	9,450	17,784	26,353	9,140	17,213
Economic reasons .....	5,415	1,601	3,814	5,211	1,508	3,703
Slack work .....	2,482	1,285	1,197	2,331	1,203	1,128
Material shortages or repairs to plant and equipment .....	57	57	-	53	53	-
New job started during week .....	174	174	-	171	171	-
Job terminated during week .....	85	85	-	81	81	-
Could find only part-time work .....	2,618	-	2,618	2,575	-	2,575
Other reasons .....	21,819	7,849	13,970	21,143	7,633	13,510
Does not want, or unavailable for, full-time work .....	11,712	-	11,712	11,350	-	11,350
Vacation .....	1,113	1,113	-	1,098	1,098	-
Illness .....	1,532	1,360	172	1,502	1,343	159
Bad weather .....	430	430	-	303	303	-
Industrial dispute .....	15	15	-	15	15	-
Legal or religious holiday .....	3,598	3,598	-	3,589	3,589	-
Full time for this job .....	1,549	-	1,549	1,524	-	1,524
All other reasons .....	1,871	1,334	537	1,762	1,285	477
Average hours:						
Economic reasons .....	21.8	24.1	20.8	21.8	24.2	20.8
Other reasons .....	22.2	28.1	18.9	22.3	28.3	18.9
Worked 30 to 34 hours:						
Economic reasons .....	1,691	708	983	1,639	677	962
Other reasons .....	7,702	5,292	2,410	7,546	5,204	2,342

**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	October 1984								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules	
				Total	40 hours or less	41 to 48 hours			49 hours or more
Total, 16 years and over .....	98,357	5,211	13,510	79,636	53,276	10,043	16,317	38.5	42.9
Wage and salary workers .....	90,668	4,625	12,049	73,994	50,673	9,470	13,851	38.4	42.5
Mining .....	872	26	7	839	201	127	249	45.2	46.1
Construction .....	5,426	351	223	4,852	3,359	579	914	39.6	42.0
Manufacturing .....	19,814	620	605	18,589	12,620	2,848	3,121	41.3	42.6
Durable goods .....	12,037	220	275	11,542	7,790	1,811	1,941	41.8	42.6
Nondurable goods .....	7,777	401	329	7,047	4,829	1,037	1,181	40.5	42.5
Transportation and public utilities .....	6,748	174	313	6,261	4,184	809	1,268	41.5	43.1
Wholesale and retail trade .....	19,252	1,555	4,541	13,156	8,082	2,011	3,063	36.4	43.8
Finance, insurance, and real estate .....	5,886	102	549	5,235	3,935	534	766	38.6	40.9
Service industries .....	28,052	1,719	5,524	20,809	14,702	2,259	3,848	36.3	42.3
Private households .....	1,178	277	505	396	272	41	83	24.6	44.5
All other industries .....	26,874	1,442	5,019	20,413	14,430	2,218	3,765	36.8	42.3
Public administration .....	4,616	78	287	4,251	3,325	303	623	38.9	40.5
Self-employed workers .....	7,365	571	1,313	5,481	2,508	557	2,416	40.2	47.7
Unpaid family workers .....	324	13	148	163	97	16	50	34.1	46.2

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	October 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		
<b>TOTAL</b>								
Total, 16 years and over .....	98,357	5,211	13,510	79,636	53,276	26,360	38.5	42.9
16 to 19 years .....	5,659	545	3,176	1,938	1,510	428	25.1	40.8
16 to 17 years .....	2,095	85	1,836	174	152	22	17.0	38.1
18 to 19 years .....	3,563	459	1,340	1,764	1,358	406	29.8	41.1
20 years and over .....	92,698	4,666	10,335	77,697	51,765	25,932	39.3	42.9
20 to 24 years .....	13,483	1,158	2,196	10,129	7,225	2,904	36.6	42.0
25 years and over .....	79,215	3,509	8,139	67,567	44,538	23,029	39.8	43.1
25 to 44 years .....	51,762	2,311	4,518	44,933	29,242	15,691	40.2	43.3
45 to 64 years .....	24,984	1,100	2,407	21,477	14,495	6,982	39.8	42.9
65 years and over .....	2,468	99	1,213	1,156	801	355	28.7	41.7
<b>Men, 16 years and over</b> .....	54,674	2,251	4,062	48,361	28,935	19,426	41.5	44.4
16 to 19 years .....	2,829	238	1,495	1,096	809	287	26.5	41.6
16 to 17 years .....	1,036	43	868	125	104	21	18.0	39.4
18 to 19 years .....	1,793	195	628	970	703	267	31.5	41.9
20 years and over .....	51,845	2,013	2,567	47,265	28,127	19,138	42.3	44.4
20 to 24 years .....	7,034	556	912	5,566	3,540	2,026	38.5	43.4
25 years and over .....	44,811	1,456	1,654	41,701	24,588	17,113	42.9	44.6
25 to 44 years .....	29,088	991	658	27,439	15,784	11,655	43.5	44.8
45 to 64 years .....	14,321	424	388	13,509	8,312	5,197	42.9	44.1
65 years and over .....	1,402	40	608	754	495	259	30.6	42.2
<b>Women, 16 years and over</b> .....	43,683	2,959	9,449	31,275	24,343	6,932	34.7	40.6
16 to 19 years .....	2,830	307	1,681	842	702	140	23.6	39.9
16 to 17 years .....	1,059	44	968	47	45	2	16.0	( <sup>1</sup> )
18 to 19 years .....	1,770	263	712	795	655	140	28.2	40.2
20 years and over .....	40,853	2,652	7,768	30,433	23,642	6,791	35.5	40.6
20 to 24 years .....	6,449	601	1,283	4,565	3,687	878	34.6	40.2
25 years and over .....	34,404	2,052	6,485	25,867	19,951	5,916	35.7	40.7
25 to 44 years .....	22,675	1,320	3,860	17,495	13,459	4,036	36.1	40.7
45 to 64 years .....	10,664	673	2,019	7,972	6,188	1,784	35.6	40.7
65 years and over .....	1,066	58	605	403	307	96	26.1	40.8
<b>RACE</b>								
White, 16 years and over .....	85,827	4,215	12,263	69,349	45,116	24,233	38.6	43.1
Men .....	48,258	1,800	3,638	42,820	24,843	17,977	41.7	44.6
Women .....	37,569	2,415	8,625	26,529	20,271	6,258	34.5	40.7
Black, 16 years and over .....	9,744	844	919	7,981	6,447	1,534	37.5	41.1
Men .....	4,887	377	285	4,225	3,166	1,059	39.5	42.3
Women .....	4,857	466	634	3,757	3,282	475	35.5	39.8
<b>MARITAL STATUS</b>								
Men, 16 years and over:								
Married, spouse present .....	35,998	928	1,176	33,894	19,613	14,281	43.3	44.7
Widowed, divorced, or separated .....	5,069	291	220	4,558	2,693	1,865	42.2	44.7
Single (never married) .....	13,606	1,033	2,666	9,907	6,626	3,281	36.4	43.1
Women, 16 years and over:								
Married, spouse present .....	24,529	1,498	5,540	17,491	13,733	3,758	34.7	40.4
Widowed, divorced, or separated .....	8,309	597	1,017	6,695	5,034	1,661	37.1	41.1
Single (never married) .....	10,845	864	2,892	7,089	5,577	1,512	33.0	40.7

<sup>1</sup> Data not shown where base is less than 75,000.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Occupation and sex	October 1984								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over .....	98,097	5,147	13,440	79,510	53,154	10,020	16,336	38.5	42.9
Managerial and professional specialty .....	24,101	450	2,295	21,356	12,559	2,584	6,213	41.5	44.4
Executive, administrative, and managerial .....	11,120	134	600	10,385	5,745	1,285	3,355	43.4	45.0
Professional specialty .....	12,981	316	1,695	10,970	6,815	1,298	2,858	39.9	43.8
Technical, sales, and administrative support .....	31,268	1,375	5,436	24,458	17,409	2,850	4,199	37.2	42.0
Technicians and related support .....	3,071	89	346	2,636	1,955	305	377	38.6	41.5
Sales occupations .....	12,188	770	2,539	8,880	4,928	1,242	2,710	38.3	45.1
Administrative support, including clerical .....	16,009	516	2,551	12,942	10,526	1,304	1,112	36.1	39.9
Service occupations .....	13,557	1,565	3,921	8,072	5,998	809	1,264	32.9	42.2
Private household .....	950	210	433	308	218	28	62	24.1	43.5
Protective service .....	1,639	45	169	1,425	853	212	361	41.8	45.5
Service, except private household and protective .....	10,968	1,310	3,319	6,339	4,928	569	842	32.3	41.4
Precision production, craft, and repair .....	12,666	623	474	11,569	7,655	1,637	2,276	41.1	43.0
Operators, fabricators, and laborers .....	16,505	1,134	1,316	14,056	9,533	2,140	2,384	39.4	42.6
Machine operators, assemblers, and inspectors .....	7,806	468	300	7,038	5,123	1,093	822	39.8	41.6
Transportation and material moving occupations .....	4,413	251	277	3,885	2,077	647	1,160	42.3	45.4
Handlers, equipment cleaners, helpers, and laborers .....	4,286	415	739	3,133	2,332	399	402	35.5	41.4
Men, 16 years and over .....	54,328	2,184	3,970	48,174	28,765	6,671	12,738	41.6	44.4
Managerial and professional specialty .....	14,130	200	674	13,256	6,890	1,666	4,700	44.3	46.0
Executive, administrative, and managerial .....	7,316	84	243	6,989	3,409	876	2,704	45.3	46.4
Professional specialty .....	6,814	116	431	6,267	3,482	790	1,995	43.2	45.4
Technical, sales, and administrative support .....	11,078	281	986	9,811	5,416	1,417	2,979	42.1	45.1
Technicians and related support .....	1,611	27	109	1,475	1,020	181	274	40.2	42.2
Sales occupations .....	6,279	176	602	5,501	2,480	844	2,177	43.8	47.3
Administrative support, including clerical .....	3,188	78	276	2,835	1,916	391	527	39.7	42.4
Service occupations .....	5,361	425	1,053	3,883	2,734	413	736	36.8	43.3
Private household .....	39	9	18	13	9	4	-	( <sup>1</sup> )	( <sup>1</sup> )
Protective service .....	1,416	43	94	1,279	745	198	336	43.3	45.9
Service, except private household and protective .....	3,905	374	941	2,591	1,980	211	400	34.6	42.1
Precision production, craft, and repair .....	11,585	566	358	10,661	6,954	1,521	2,186	41.4	43.1
Operators, fabricators, and laborers .....	12,174	713	898	10,563	6,770	1,655	2,138	40.3	43.4
Machine operators, assemblers, and inspectors .....	4,656	205	124	4,327	2,957	704	666	41.1	42.5
Transportation and material moving occupations .....	4,029	192	183	3,655	1,918	614	1,123	43.3	45.6
Handlers, equipment cleaners, helpers, and laborers .....	3,488	316	591	2,581	1,896	337	349	35.8	41.6
Women, 16 years and over .....	43,769	2,963	9,470	31,336	24,389	3,349	3,598	34.7	40.6
Managerial and professional specialty .....	9,971	251	1,620	8,100	5,669	918	1,513	37.6	41.8
Executive, administrative, and managerial .....	3,803	51	357	3,396	2,336	409	651	39.8	42.2
Professional specialty .....	6,168	200	1,264	4,704	3,333	509	862	36.2	41.6
Technical, sales, and administrative support .....	20,190	1,094	4,449	14,647	11,993	1,433	1,220	34.5	39.8
Technicians and related support .....	1,460	62	237	1,161	934	123	103	36.8	40.5
Sales occupations .....	5,909	594	1,937	3,378	2,449	397	532	32.3	41.4
Administrative support, including clerical .....	12,820	438	2,275	10,107	8,610	912	585	35.2	39.2
Service occupations .....	8,196	1,140	2,868	4,189	3,264	396	529	30.4	41.2
Private household .....	911	201	415	295	209	24	62	24.2	43.7
Protective service .....	223	2	75	146	107	14	25	32.6	41.4
Service, except private household and protective .....	7,062	937	2,378	3,748	2,948	358	442	31.1	40.9
Precision production, craft, and repair .....	1,081	57	116	908	701	117	90	38.1	41.4
Operators, fabricators, and laborers .....	4,332	421	417	3,493	2,762	485	246	36.6	40.2
Machine operators, assemblers, and inspectors .....	3,150	262	176	2,711	2,166	390	156	37.8	40.1
Transportation and material moving occupations .....	384	60	94	230	160	33	38	32.1	41.2
Handlers, equipment cleaners, helpers, and laborers .....	798	99	147	552	436	63	53	34.3	40.5

<sup>1</sup> 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									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>TOTAL</b>													
Noninstitutional population <sup>1</sup> .....	176,474	176,636	176,809	177,219	177,363	177,510	177,662	177,813	177,974	178,138	178,295	178,483	178,661
Labor force <sup>1</sup> .....	113,561	113,720	113,824	113,901	114,377	114,598	114,938	115,493	115,567	115,636	115,206	115,419	115,722
Percent of population <sup>2</sup> .....	64.3	64.4	64.4	64.3	64.5	64.6	64.7	65.0	64.9	64.9	64.6	64.7	64.8
Total employed <sup>1</sup> .....	103,665	104,291	104,629	104,876	105,576	105,826	106,095	106,978	107,438	107,093	106,681	106,959	107,291
Employment-population ratio <sup>3</sup> .....	58.7	59.0	59.2	59.2	59.5	59.6	59.7	60.2	60.4	60.1	59.8	59.9	60.1
Resident Armed Forces .....	1,695	1,685	1,688	1,686	1,684	1,686	1,693	1,690	1,690	1,698	1,712	1,720	1,705
Civilian employed .....	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748	105,395	104,969	105,239	105,586
Agriculture .....	3,240	3,257	3,356	3,271	3,395	3,281	3,393	3,399	3,403	3,345	3,224	3,315	3,114
Nonagricultural industries .....	98,730	99,349	99,585	99,918	100,496	100,859	101,009	101,899	102,344	102,050	101,744	101,923	102,472
Unemployed .....	9,896	9,429	9,195	9,026	8,801	8,772	8,843	8,514	8,130	8,543	8,526	8,460	8,431
Unemployment rate <sup>4</sup> .....	8.7	8.3	8.1	7.9	7.7	7.7	7.7	7.4	7.0	7.4	7.4	7.3	7.3
Not in labor force .....	62,913	62,916	62,985	63,318	62,986	62,912	62,724	62,320	62,407	62,503	63,089	63,064	62,939
<b>Men</b>													
Noninstitutional population <sup>1</sup> .....	84,344	84,423	84,506	84,745	84,811	84,880	84,953	85,024	85,101	85,179	85,257	85,352	85,439
Labor force <sup>1</sup> .....	64,709	64,846	64,838	64,930	65,093	65,156	65,212	65,307	65,452	65,362	65,244	65,614	65,603
Percent of population <sup>2</sup> .....	76.7	76.8	76.7	76.6	76.8	76.8	76.8	76.8	76.9	76.7	76.5	76.9	76.8
Total employed <sup>1</sup> .....	58,950	59,389	59,580	59,781	60,147	60,290	60,293	60,629	60,923	60,607	60,661	60,912	61,023
Employment-population ratio <sup>3</sup> .....	69.9	70.3	70.5	70.5	70.9	71.0	71.0	71.3	71.6	71.2	71.2	71.4	71.4
Resident Armed Forces .....	1,543	1,534	1,537	1,542	1,540	1,542	1,548	1,545	1,545	1,551	1,563	1,571	1,557
Civilian employed .....	57,407	57,855	58,043	58,239	58,607	58,748	58,745	59,084	59,378	59,056	59,098	59,341	59,466
Unemployed .....	5,759	5,457	5,258	5,149	4,946	4,867	4,919	4,678	4,529	4,756	4,583	4,702	4,580
Unemployment rate <sup>4</sup> .....	8.9	8.4	8.1	7.9	7.6	7.5	7.5	7.2	6.9	7.3	7.0	7.2	7.0
Not in labor force .....	19,635	19,577	19,668	19,815	19,718	19,724	19,741	19,717	19,649	19,817	20,013	19,738	19,836
<b>Women</b>													
Noninstitutional population <sup>1</sup> .....	92,129	92,214	92,302	92,474	92,552	92,630	92,709	92,789	92,873	92,958	93,039	93,132	93,222
Labor force <sup>1</sup> .....	48,852	48,874	48,986	48,971	49,283	49,442	49,725	50,186	50,115	50,273	49,963	49,804	50,119
Percent of population <sup>2</sup> .....	53.0	53.0	53.1	53.0	53.2	53.4	53.6	54.1	54.0	54.1	53.7	53.5	53.8
Total employed <sup>1</sup> .....	44,715	44,902	45,049	45,094	45,429	45,536	45,802	46,350	46,515	46,486	46,020	46,047	46,268
Employment-population ratio <sup>3</sup> .....	48.5	48.7	48.8	48.8	49.1	49.2	49.4	50.0	50.1	50.0	49.5	49.4	49.6
Resident Armed Forces .....	152	151	151	144	144	144	145	145	145	147	149	149	148
Civilian employed .....	44,563	44,751	44,898	44,950	45,285	45,392	45,657	46,205	46,370	46,339	45,871	45,898	46,120
Unemployed .....	4,137	3,972	3,937	3,876	3,855	3,905	3,924	3,836	3,600	3,787	3,943	3,758	3,852
Unemployment rate <sup>4</sup> .....	8.5	8.1	8.0	7.9	7.8	7.9	7.9	7.6	7.2	7.5	7.9	7.5	7.7
Not in labor force .....	43,277	43,340	43,316	43,503	43,269	43,188	42,984	42,603	42,758	42,685	43,076	43,328	43,103

<sup>1</sup> Includes members of the Armed Forces stationed in the United States.

<sup>2</sup> Labor force as a percent of the noninstitutional population.

<sup>3</sup> Total employment as a percent of the noninstitutional population.

<sup>4</sup> 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									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>TOTAL</b>													
Civilian noninstitutional population <sup>1</sup> .....	174,779	174,951	175,121	175,533	175,679	175,824	175,969	176,123	176,284	176,440	176,583	176,763	176,956
Civilian labor force .....	111,866	112,035	112,136	112,215	112,693	112,912	113,245	113,803	113,877	113,938	113,494	113,699	114,017
Percent of population .....	64.0	64.0	64.0	63.9	64.1	64.2	64.4	64.6	64.6	64.6	64.3	64.3	64.4
Employed .....	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748	105,395	104,969	105,239	105,586
Employment-population ratio <sup>2</sup> .....	58.3	58.6	58.8	58.8	59.1	59.2	59.3	59.8	60.0	59.7	59.4	59.5	59.7
Unemployed .....	9,896	9,429	9,195	9,026	8,801	8,772	8,843	8,514	8,130	8,543	8,526	8,460	8,431
Unemployment rate .....	8.8	8.4	8.2	8.0	7.8	7.8	7.8	7.5	7.1	7.5	7.5	7.4	7.4
<b>Men, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	75,216	75,327	75,433	75,692	75,786	75,880	75,973	76,073	76,176	76,269	76,350	76,451	76,565
Civilian labor force .....	58,949	59,053	59,050	59,299	59,394	59,388	59,480	59,546	59,726	59,694	59,752	59,898	59,971
Percent of population .....	78.4	78.4	78.3	78.3	78.4	78.3	78.3	78.3	78.4	78.3	78.3	78.3	78.3
Employed .....	54,140	54,457	54,658	54,999	55,266	55,368	55,385	55,685	55,970	55,789	55,899	56,022	56,213
Employment-population ratio <sup>2</sup> .....	72.0	72.3	72.5	72.7	72.9	73.0	72.9	73.2	73.5	73.1	73.2	73.3	73.4
Agriculture .....	2,376	2,336	2,374	2,356	2,409	2,364	2,453	2,451	2,469	2,455	2,392	2,403	2,316
Nonagricultural industries .....	51,764	52,121	52,284	52,643	52,857	53,004	52,932	53,234	53,501	53,334	53,507	53,620	53,898
Unemployed .....	4,809	4,596	4,392	4,300	4,128	4,020	4,095	3,861	3,755	3,906	3,853	3,875	3,758
Unemployment rate .....	8.2	7.8	7.4	7.3	7.0	6.8	6.9	6.5	6.3	6.5	6.4	6.5	6.3
Not in labor force .....	16,267	16,274	16,383	16,393	16,392	16,492	16,493	16,527	16,450	16,575	16,598	16,553	16,594
<b>Women, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	84,443	84,553	84,666	84,860	84,962	85,064	85,168	85,272	85,380	85,488	85,581	85,688	85,793
Civilian labor force .....	44,936	44,953	45,024	44,981	45,258	45,459	45,703	46,222	46,101	46,261	46,082	45,859	46,220
Percent of population .....	53.2	53.2	53.2	53.0	53.3	53.4	53.7	54.2	54.0	54.1	53.8	53.5	53.9
Employed .....	41,570	41,738	41,843	41,798	42,138	42,315	42,517	43,098	43,146	43,088	42,819	42,807	43,016
Employment-population ratio <sup>2</sup> .....	49.2	49.4	49.4	49.3	49.6	49.7	49.9	50.5	50.5	50.4	50.0	50.0	50.1
Agriculture .....	597	638	653	625	640	574	619	610	623	573	563	595	554
Nonagricultural industries .....	40,973	41,100	41,190	41,174	41,498	41,741	41,898	42,487	42,523	42,515	42,255	42,212	42,462
Unemployed .....	3,366	3,215	3,181	3,182	3,120	3,144	3,186	3,124	2,955	3,173	3,264	3,053	3,204
Unemployment rate .....	7.5	7.2	7.1	7.1	6.9	6.9	7.0	6.8	6.4	6.9	7.1	6.7	6.9
Not in labor force .....	39,507	39,600	39,642	39,879	39,704	39,605	39,465	39,050	39,279	39,227	39,499	39,829	39,573
<b>Both sexes, 16 to 19 years</b>													
Civilian noninstitutional population <sup>1</sup> .....	15,120	15,072	15,022	14,981	14,931	14,880	14,828	14,778	14,728	14,683	14,653	14,624	14,598
Civilian labor force .....	7,981	8,029	8,062	7,935	8,041	8,065	8,062	8,034	8,050	7,982	7,660	7,942	7,826
Percent of population .....	52.8	53.3	53.7	53.0	53.9	54.2	54.4	54.4	54.7	54.4	52.3	54.3	53.6
Employed .....	6,260	6,411	6,440	6,392	6,488	6,457	6,500	6,505	6,631	6,518	6,251	6,410	6,356
Employment-population ratio <sup>2</sup> .....	41.4	42.5	42.9	42.7	43.5	43.4	43.8	44.0	45.0	44.4	42.7	43.8	43.5
Agriculture .....	267	283	329	290	346	343	321	327	311	317	269	318	244
Nonagricultural industries .....	5,993	6,128	6,111	6,102	6,142	6,114	6,179	6,178	6,320	6,201	5,982	6,092	6,112
Unemployed .....	1,721	1,618	1,622	1,543	1,553	1,608	1,562	1,529	1,419	1,464	1,409	1,532	1,470
Unemployment rate .....	21.6	20.2	20.1	19.4	19.3	19.9	19.4	19.0	17.6	18.3	18.4	19.3	18.8
Not in labor force .....	7,139	7,043	6,960	7,046	6,890	6,815	6,766	6,744	6,678	6,701	6,993	6,682	6,772

<sup>1</sup> The population figures are not adjusted for seasonal variation.

population.

<sup>2</sup> Civilian employment as a percent of the civilian noninstitutional

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1983			1984									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>WHITE</b>													
Civilian noninstitutional population <sup>1</sup> .....	151,175	151,324	151,484	151,939	152,079	152,285	152,178	152,229	152,295	152,286	152,402	152,471	152,605
Civilian labor force .....	97,339	97,559	97,724	97,813	98,167	98,424	98,495	98,853	98,770	98,710	98,156	98,388	98,520
Percent of population .....	64.4	64.5	64.5	64.4	64.6	64.6	64.7	64.9	64.9	64.8	64.4	64.5	64.6
Employed .....	89,851	90,430	90,779	91,044	91,544	91,845	91,933	92,505	92,697	92,430	91,850	92,074	92,249
Employment-population ratio <sup>2</sup> .....	59.4	59.8	59.9	59.9	60.2	60.3	60.4	60.8	60.9	60.7	60.3	60.4	60.4
Unemployed .....	7,488	7,129	6,945	6,768	6,623	6,580	6,562	6,348	6,072	6,280	6,306	6,314	6,271
Unemployment rate .....	7.7	7.3	7.1	6.9	6.7	6.7	6.7	6.4	6.1	6.4	6.4	6.4	6.4
<b>Men, 20 years and over</b>													
Civilian labor force .....	51,902	52,021	52,063	52,270	52,335	52,398	52,406	52,357	52,548	52,366	52,371	52,516	52,463
Percent of population .....	78.9	78.9	78.9	78.8	78.8	78.8	78.8	78.7	78.9	78.6	78.6	78.7	78.6
Employed .....	48,128	48,414	48,589	48,964	49,149	49,343	49,329	49,440	49,744	49,470	49,471	49,600	49,615
Employment-population ratio <sup>2</sup> .....	73.1	73.5	73.6	73.8	74.0	74.2	74.2	74.3	74.7	74.3	74.2	74.4	74.3
Unemployed .....	3,774	3,607	3,474	3,306	3,186	3,055	3,077	2,917	2,804	2,896	2,900	2,916	2,848
Unemployment rate .....	7.3	6.9	6.7	6.3	6.1	5.8	5.9	5.6	5.3	5.5	5.5	5.6	5.4
<b>Women, 20 years and over</b>													
Civilian labor force .....	38,438	38,489	38,556	38,505	38,726	38,873	39,032	39,439	39,226	39,396	39,137	38,944	39,253
Percent of population .....	52.7	52.7	52.8	52.6	52.8	52.9	53.1	53.7	53.3	53.5	53.1	52.8	53.2
Employed .....	36,016	36,177	36,292	36,180	36,465	36,570	36,688	37,150	37,042	37,074	36,784	36,694	36,928
Employment-population ratio <sup>2</sup> .....	49.4	49.6	49.7	49.4	49.7	49.8	49.9	50.5	50.4	50.4	49.9	49.8	50.0
Unemployed .....	2,422	2,312	2,264	2,325	2,261	2,303	2,344	2,289	2,184	2,321	2,352	2,250	2,325
Unemployment rate .....	6.3	6.0	5.9	6.0	5.8	5.9	6.0	5.8	5.6	5.9	6.0	5.8	5.9
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	6,999	7,049	7,105	7,038	7,106	7,153	7,057	7,057	6,996	6,948	6,649	6,928	6,804
Percent of population .....	56.2	56.7	57.2	56.9	57.7	58.3	57.7	58.0	57.7	57.5	55.1	57.4	56.5
Employed .....	5,707	5,839	5,898	5,900	5,930	5,932	5,916	5,915	5,911	5,886	5,595	5,780	5,706
Employment-population ratio <sup>2</sup> .....	45.8	47.0	47.5	47.7	48.1	48.3	48.4	48.6	48.7	48.7	46.4	47.9	47.4
Unemployed .....	1,292	1,210	1,207	1,138	1,176	1,221	1,141	1,142	1,085	1,062	1,054	1,148	1,098
Unemployment rate .....	18.5	17.2	17.0	16.2	16.5	17.1	16.2	16.2	15.5	15.3	15.9	16.6	16.1
Men .....	19.8	17.6	17.5	17.8	16.4	17.3	16.6	16.8	16.5	17.8	16.2	17.3	17.0
Women .....	16.9	16.6	16.5	14.5	16.7	16.8	15.7	15.5	14.5	12.6	15.5	15.8	15.2
<b>BLACK</b>													
Civilian noninstitutional population <sup>1</sup> .....	19,026	19,057	19,086	19,196	19,222	19,248	19,274	19,302	19,330	19,360	19,386	19,416	19,449
Civilian labor force .....	11,565	11,623	11,650	11,660	11,881	11,867	11,934	12,008	11,962	12,076	12,176	12,079	12,185
Percent of population .....	60.8	61.0	61.0	60.7	61.8	61.7	61.9	62.2	61.9	62.4	62.8	62.2	62.7
Employed .....	9,449	9,563	9,582	9,707	9,958	9,896	9,923	10,105	10,168	10,041	10,226	10,259	10,314
Employment-population ratio <sup>2</sup> .....	49.7	50.2	50.2	50.6	51.8	51.4	51.5	52.4	52.6	51.9	52.8	52.8	53.0
Unemployed .....	2,116	2,060	2,068	1,953	1,923	1,972	2,011	1,903	1,795	2,035	1,950	1,820	1,872
Unemployment rate .....	18.3	17.7	17.8	16.7	16.2	16.6	16.8	15.8	15.0	16.9	16.0	15.1	15.4
<b>Men, 20 years and over</b>													
Civilian labor force .....	5,501	5,568	5,565	5,621	5,677	5,660	5,607	5,673	5,646	5,700	5,735	5,684	5,728
Percent of population .....	74.2	74.9	74.7	74.8	75.4	75.0	74.2	74.9	74.4	74.9	75.3	74.4	74.8
Employed .....	4,607	4,701	4,722	4,789	4,877	4,789	4,712	4,872	4,811	4,802	4,922	4,919	4,962
Employment-population ratio <sup>2</sup> .....	62.1	63.2	63.4	63.7	64.8	63.5	62.4	64.3	63.4	63.1	64.6	64.4	64.8
Unemployed .....	894	867	843	833	800	871	894	801	835	897	813	765	765
Unemployment rate .....	16.3	15.6	15.1	14.8	14.1	15.4	16.0	14.1	14.8	15.7	14.2	13.5	13.4
<b>Women, 20 years and over</b>													
Civilian labor force .....	5,277	5,270	5,303	5,277	5,408	5,425	5,469	5,547	5,496	5,522	5,604	5,538	5,584
Percent of population .....	56.1	55.9	56.2	55.6	56.9	57.0	57.3	58.0	57.4	57.5	58.3	57.5	57.8
Employed .....	4,438	4,448	4,461	4,522	4,630	4,690	4,737	4,793	4,818	4,746	4,816	4,840	4,828
Employment-population ratio <sup>2</sup> .....	47.2	47.2	47.3	47.7	48.7	49.2	49.6	50.1	50.3	49.5	50.1	50.2	50.0
Unemployed .....	839	822	842	755	777	735	731	754	679	776	788	698	755
Unemployment rate .....	15.9	15.6	15.9	14.3	14.4	13.5	13.4	13.6	12.4	14.0	14.1	12.6	13.5

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									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>BLACK—Continued</b>													
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	787	785	782	762	796	783	859	787	820	854	837	857	874
Percent of population .....	35.6	35.6	35.6	34.7	36.4	35.9	39.5	36.3	37.9	39.6	38.9	39.9	40.8
Employed .....	404	414	399	397	450	417	474	440	539	492	488	500	523
Employment-population ratio <sup>2</sup> .....	18.3	18.8	18.2	18.1	20.6	19.1	21.8	20.3	24.9	22.8	22.7	23.3	24.4
Unemployed .....	383	371	383	365	346	366	385	347	281	362	349	357	351
Unemployment rate .....	48.7	47.3	49.0	47.9	43.5	46.7	44.8	44.1	34.3	42.4	41.7	41.7	40.2
Men .....	45.6	44.9	46.4	47.1	46.7	44.4	42.8	40.9	35.3	42.6	40.6	39.9	45.1
Women .....	52.2	50.0	51.9	48.8	39.9	49.6	47.1	48.2	33.1	42.1	42.9	43.7	34.6
<b>HISPANIC ORIGIN</b>													
Civilian noninstitutional population <sup>1</sup> .....	9,745	9,677	9,735	9,778	9,906	10,080	10,072	10,026	9,824	9,738	9,785	9,713	9,794
Civilian labor force .....	6,165	6,232	6,267	6,336	6,292	6,484	6,378	6,332	6,290	6,293	6,271	6,328	6,339
Percent of population .....	63.3	64.4	64.4	64.8	63.5	64.3	63.3	63.2	64.1	64.6	64.1	65.2	64.7
Employed .....	5,398	5,463	5,540	5,627	5,652	5,751	5,643	5,666	5,669	5,626	5,600	5,650	5,649
Employment-population ratio <sup>2</sup> .....	55.4	56.5	56.9	57.6	57.1	57.1	56.0	56.5	57.7	57.8	57.2	58.2	57.7
Unemployed .....	767	769	727	708	639	733	735	666	629	667	672	678	689
Unemployment rate .....	12.4	12.3	11.6	11.2	10.2	11.3	11.5	10.5	10.0	10.6	10.7	10.7	10.9

<sup>1</sup> The population figures are not adjusted for seasonal variation.

<sup>2</sup> 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									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>CHARACTERISTIC</b>													
Total .....	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748	105,395	104,969	105,239	105,586
Married men, spouse present .....	38,240	38,388	38,494	38,682	38,911	38,927	39,062	39,159	39,072	39,121	39,029	39,034	39,023
Married women, spouse present .....	24,953	25,057	25,140	24,947	25,212	25,239	25,457	25,722	25,786	25,716	25,764	25,641	25,891
Women who maintain families .....	5,172	5,236	5,254	5,293	5,346	5,444	5,491	5,668	5,688	5,662	5,507	5,412	5,344
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>													
Agriculture:													
Wage and salary workers .....	1,505	1,481	1,512	1,443	1,560	1,515	1,661	1,610	1,604	1,513	1,425	1,569	1,481
Self-employed workers .....	1,527	1,556	1,572	1,613	1,609	1,580	1,534	1,537	1,570	1,559	1,568	1,569	1,479
Unpaid family workers .....	227	224	265	233	232	198	207	246	212	230	208	187	173
Nonagricultural industries:													
Wage and salary workers .....	90,617	91,094	91,422	91,641	92,379	92,819	92,931	93,928	94,040	93,841	93,554	94,122	94,369
Government .....	15,578	15,585	15,481	15,535	15,822	15,813	15,784	15,761	15,685	15,604	15,782	15,959	16,046
Private industries .....	75,039	75,509	75,941	76,106	76,557	77,006	77,147	78,167	78,355	78,236	77,772	78,163	78,323
Private households .....	1,278	1,216	1,241	1,197	1,219	1,155	1,296	1,347	1,329	1,239	1,181	1,185	1,209
Other industries .....	73,761	74,293	74,700	74,909	75,339	75,851	75,851	76,820	77,026	76,997	76,591	76,979	77,114
Self-employed workers .....	7,695	7,800	7,734	7,936	7,849	7,755	7,834	7,707	7,828	7,717	7,829	7,721	7,775
Unpaid family workers .....	405	474	450	364	330	326	338	311	348	306	324	314	312
<b>PERSONS AT WORK<sup>1</sup></b>													
Nonagricultural industries .....	93,273	93,834	94,173	94,707	95,067	94,982	96,918	96,523	96,500	96,848	96,921	96,448	96,577
Full-time schedules .....	75,047	75,398	75,802	76,237	76,715	77,004	78,276	78,280	78,496	78,659	78,799	78,291	78,459
Part time for economic reasons .....	5,724	5,848	5,712	5,943	5,808	5,463	5,593	5,353	5,491	5,300	5,324	5,496	5,479
Usually work full time .....	1,617	1,719	1,672	1,771	1,611	1,472	1,530	1,549	1,654	1,589	1,749	1,675	1,606
Usually work part time .....	4,107	4,129	4,040	4,172	4,197	3,991	4,063	3,804	3,837	3,711	3,576	3,821	3,873
Part time for noneconomic reasons .....	12,502	12,588	12,659	12,527	12,545	12,515	13,049	12,889	12,514	12,889	12,797	12,662	12,638

<sup>1</sup> Excludes persons "with a job but not at work" during the survey

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



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Sex and age	1983			1984									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>Total, 16 years and over</b> .....	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748	105,395	104,969	105,239	105,586
16 to 24 years .....	20,085	20,338	20,377	20,401	20,628	20,616	20,639	20,873	21,127	20,760	20,221	20,541	20,625
16 to 19 years .....	6,260	6,411	6,440	6,392	6,488	6,457	6,500	6,505	6,631	6,518	6,251	6,410	6,356
16 to 17 years .....	2,257	2,332	2,355	2,321	2,342	2,376	2,379	2,493	2,453	2,429	2,321	2,477	2,410
18 to 19 years .....	4,012	4,064	4,092	4,114	4,153	4,082	4,125	4,024	4,176	4,079	3,860	3,941	3,964
20 to 24 years .....	13,825	13,927	13,937	14,008	14,140	14,159	14,139	14,368	14,496	14,241	13,970	14,131	14,268
25 years and over .....	81,892	82,268	82,551	82,765	83,294	83,493	83,729	84,440	84,648	84,604	84,815	84,697	84,923
25 to 54 years .....	67,537	67,913	68,179	68,534	68,964	69,279	69,516	70,138	70,485	70,409	70,655	70,462	70,810
55 years and over .....	14,364	14,364	14,347	14,239	14,293	14,212	14,274	14,260	14,179	14,223	14,195	14,265	14,137
<b>Men, 16 years and over</b> .....	57,407	57,855	58,043	58,239	58,607	58,748	58,745	59,084	59,378	59,056	59,098	59,341	59,466
16 to 24 years .....	10,569	10,789	10,770	10,700	10,864	10,965	10,947	11,084	11,145	10,787	10,648	10,863	10,858
16 to 19 years .....	3,267	3,398	3,385	3,240	3,342	3,380	3,361	3,399	3,408	3,267	3,199	3,319	3,253
16 to 17 years .....	1,165	1,223	1,224	1,222	1,223	1,256	1,220	1,297	1,246	1,200	1,160	1,321	1,236
18 to 19 years .....	2,102	2,155	2,151	2,050	2,120	2,126	2,144	2,105	2,153	2,058	1,998	2,008	2,025
20 to 24 years .....	7,302	7,391	7,385	7,460	7,523	7,586	7,586	7,686	7,737	7,520	7,449	7,545	7,605
25 years and over .....	46,834	47,073	47,266	47,531	47,745	47,777	47,798	48,044	48,260	48,213	48,466	48,526	48,562
25 to 54 years .....	38,334	38,550	38,757	39,049	39,271	39,418	39,431	39,622	39,909	39,866	40,053	40,090	40,216
55 years and over .....	8,499	8,541	8,470	8,495	8,473	8,373	8,387	8,366	8,379	8,369	8,403	8,439	8,353
<b>Women, 16 years and over</b> .....	44,563	44,751	44,898	44,950	45,285	45,392	45,657	46,205	46,370	46,339	45,871	45,898	46,120
16 to 24 years .....	9,516	9,549	9,607	9,700	9,763	9,651	9,692	9,789	9,982	9,973	9,573	9,677	9,767
16 to 19 years .....	2,993	3,013	3,055	3,152	3,147	3,078	3,139	3,107	3,223	3,252	3,052	3,091	3,103
16 to 17 years .....	1,092	1,109	1,131	1,099	1,119	1,120	1,159	1,196	1,207	1,229	1,161	1,156	1,174
18 to 19 years .....	1,910	1,909	1,941	2,064	2,033	1,956	1,981	1,919	2,023	2,021	1,862	1,933	1,939
20 to 24 years .....	6,523	6,536	6,552	6,548	6,617	6,573	6,553	6,682	6,759	6,721	6,520	6,586	6,664
25 years and over .....	35,058	35,195	35,285	35,234	35,549	35,716	35,931	36,396	36,387	36,391	36,350	36,171	36,362
25 to 54 years .....	29,203	29,363	29,422	29,485	29,694	29,861	30,085	30,517	30,577	30,543	30,602	30,372	30,594
55 years and over .....	5,865	5,823	5,877	5,744	5,820	5,839	5,887	5,893	5,801	5,853	5,792	5,825	5,784

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

(In thousands)

Sex and age	1983			1984									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>Total, 16 years and over</b> .....	9,896	9,429	9,195	9,026	8,801	8,772	8,843	8,514	8,130	8,543	8,526	8,460	8,431
16 to 24 years .....	3,899	3,692	3,564	3,537	3,410	3,467	3,522	3,402	3,156	3,276	3,287	3,359	3,243
16 to 19 years .....	1,721	1,618	1,622	1,543	1,553	1,608	1,562	1,529	1,419	1,464	1,409	1,532	1,470
16 to 17 years .....	712	653	700	649	663	712	683	632	602	626	631	669	606
18 to 19 years .....	1,020	972	947	878	881	904	876	896	813	817	775	862	870
20 to 24 years .....	2,178	2,074	1,942	1,994	1,857	1,859	1,960	1,873	1,737	1,812	1,878	1,827	1,773
25 years and over .....	6,002	5,728	5,659	5,474	5,405	5,279	5,301	5,132	4,996	5,257	5,237	5,109	5,172
25 to 54 years .....	5,259	5,007	4,938	4,789	4,742	4,647	4,663	4,474	4,274	4,619	4,566	4,441	4,452
55 years and over .....	753	741	742	700	636	643	621	659	683	660	677	675	717
<b>Men, 16 years and over</b> .....	5,759	5,457	5,258	5,149	4,946	4,867	4,919	4,678	4,529	4,756	4,583	4,702	4,580
16 to 24 years .....	2,209	2,042	1,998	1,971	1,857	1,869	1,925	1,812	1,772	1,846	1,772	1,887	1,754
16 to 19 years .....	950	861	866	849	818	847	824	817	774	850	730	827	822
16 to 17 years .....	374	344	372	336	337	376	378	352	365	358	330	354	339
18 to 19 years .....	579	524	501	501	469	472	448	472	413	478	396	473	485
20 to 24 years .....	1,259	1,181	1,132	1,122	1,039	1,022	1,101	995	998	996	1,042	1,060	932
25 years and over .....	3,552	3,417	3,283	3,154	3,089	2,988	2,996	2,878	2,757	2,896	2,813	2,824	2,822
25 to 54 years .....	3,074	2,935	2,799	2,743	2,686	2,569	2,604	2,480	2,377	2,496	2,411	2,398	2,388
55 years and over .....	482	490	481	431	396	408	382	394	378	401	408	442	423
<b>Women, 16 years and over</b> .....	4,137	3,972	3,937	3,876	3,855	3,905	3,924	3,836	3,600	3,787	3,943	3,758	3,852
16 to 24 years .....	1,690	1,650	1,566	1,566	1,552	1,598	1,597	1,591	1,384	1,430	1,514	1,472	1,489
16 to 19 years .....	771	757	756	694	735	761	738	712	645	614	679	705	648
16 to 17 years .....	338	309	328	313	326	336	305	280	237	268	301	315	267
18 to 19 years .....	441	448	446	377	412	432	428	424	400	339	379	389	385
20 to 24 years .....	919	893	810	872	817	837	859	879	739	816	835	767	841
25 years and over .....	2,450	2,311	2,376	2,320	2,316	2,291	2,305	2,254	2,238	2,361	2,424	2,285	2,349
25 to 54 years .....	2,185	2,072	2,139	2,046	2,057	2,078	2,059	1,994	1,897	2,123	2,156	2,043	2,064
55 years and over .....	271	251	261	269	240	235	239	266	305	259	269	234	294

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

(Numbers in thousands)

Weeks of unemployment	1983			1984									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>DURATION</b>													
Less than 5 weeks .....	3,504	3,328	3,382	3,233	3,359	3,386	3,438	3,238	3,174	3,462	3,555	3,286	3,431
5 to 14 weeks .....	2,725	2,616	2,504	2,556	2,484	2,539	2,493	2,433	2,294	2,490	2,333	2,539	2,399
15 weeks and over .....	3,655	3,527	3,369	3,201	2,984	2,873	2,855	2,951	2,619	2,689	2,606	2,600	2,530
15 to 26 weeks .....	1,372	1,337	1,284	1,166	1,173	1,114	1,111	1,186	1,008	1,100	1,113	1,085	1,099
27 weeks and over .....	2,283	2,190	2,085	2,035	1,810	1,759	1,744	1,664	1,611	1,589	1,493	1,515	1,431
Average (mean) duration, in weeks .....	20.1	20.2	19.6	20.5	18.8	18.8	18.5	18.4	18.6	18.1	17.3	17.1	16.5
Median duration, in weeks .....	9.5	9.4	9.0	9.2	8.3	8.3	8.1	8.7	7.2	7.6	7.5	7.6	7.2
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	35.5	35.1	36.5	36.0	38.1	38.5	39.1	33.0	39.2	40.1	41.9	39.0	41.0
5 to 14 weeks .....	27.6	27.6	27.1	28.4	28.1	28.9	28.4	28.6	28.4	28.8	27.5	30.1	28.7
15 weeks and over .....	37.0	37.2	36.4	35.6	33.8	32.7	32.5	33.5	32.4	31.1	30.7	30.9	30.3
15 to 26 weeks .....	13.9	14.1	13.9	13.0	13.3	12.7	12.6	13.9	12.5	12.7	13.1	12.9	13.2
27 weeks and over .....	23.1	23.1	22.5	22.6	20.5	20.0	19.8	19.5	19.9	18.4	17.6	18.0	17.1

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

(Numbers in thousands)

Reasons for unemployment	1983			1984									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>NUMBER OF UNEMPLOYED</b>													
Job losers .....	5,601	5,226	5,017	4,825	4,737	4,614	4,527	4,327	4,220	4,511	4,218	4,211	4,370
On layoff .....	1,392	1,321	1,283	1,238	1,272	1,254	1,108	1,192	1,166	1,164	1,152	1,109	1,176
Other job losers .....	4,209	3,905	3,734	3,588	3,465	3,360	3,419	3,134	3,055	3,346	3,066	3,102	3,193
Job leavers .....	866	868	855	809	772	756	781	804	800	865	835	845	818
Reentrants .....	2,322	2,250	2,246	2,192	2,153	2,208	2,308	2,178	1,968	2,091	2,322	2,298	2,136
New entrants .....	1,127	1,154	1,150	1,175	1,092	1,213	1,216	1,186	1,136	1,092	1,093	1,052	1,073
<b>PERCENT DISTRIBUTION</b>													
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 .....	56.5	55.0	54.1	53.6	54.1	52.5	51.3	50.9	51.9	52.7	49.8	50.1	52.0
On layoff .....	14.0	13.9	13.8	13.7	14.5	14.3	12.5	14.0	14.4	13.6	13.6	13.2	14.0
Other job losers .....	42.4	41.1	40.3	39.9	39.6	38.2	38.7	36.9	37.6	39.1	36.2	36.9	38.0
Job leavers .....	8.7	9.1	9.2	9.0	8.8	8.6	8.8	9.5	9.8	10.1	9.9	10.1	9.7
Reentrants .....	23.4	23.7	24.2	24.4	24.6	25.1	26.1	25.6	24.2	24.4	27.4	27.3	25.4
New entrants .....	11.4	12.1	12.4	13.1	12.5	13.8	13.8	14.0	14.0	12.8	12.9	12.5	12.8
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	5.0	4.7	4.5	4.3	4.2	4.1	4.0	3.8	3.7	4.0	3.7	3.7	3.8
Job leavers .....	.8	.8	.8	.7	.7	.7	.7	.7	.7	.8	.7	.7	.7
Reentrants .....	2.1	2.0	2.0	2.0	1.9	2.0	2.0	1.9	1.7	1.8	2.0	2.0	1.9
New entrants .....	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.0	1.0	1.0	1.0	.9	.9

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Civilian workers)

Sex and age	1983			1984									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
Total, 16 years and over .....	8.8	8.4	8.2	8.0	7.8	7.8	7.8	7.5	7.1	7.5	7.5	7.4	7.4
16 to 24 years .....	16.3	15.4	14.9	14.8	14.2	14.4	14.6	14.0	13.0	13.6	14.0	14.1	13.6
16 to 19 years .....	21.6	20.2	20.1	19.4	19.3	19.9	19.4	19.0	17.6	18.3	18.4	19.3	18.8
16 to 17 years .....	24.0	21.9	22.9	21.9	22.1	23.1	22.3	20.2	19.7	20.5	21.4	21.3	20.1
18 to 19 years .....	20.3	19.3	18.8	17.6	17.5	18.1	17.5	18.2	16.3	16.7	16.7	17.9	18.0
20 to 24 years .....	13.6	13.0	12.2	12.5	11.6	11.6	12.2	11.5	10.7	11.3	11.8	11.5	11.1
25 years and over .....	6.8	6.5	6.4	6.2	6.1	5.9	6.0	5.7	5.6	5.9	5.8	5.7	5.7
25 to 54 years .....	7.2	6.9	6.8	6.5	6.4	6.3	6.3	6.0	5.7	6.2	6.1	5.9	5.9
55 years and over .....	5.0	4.9	4.9	4.7	4.3	4.3	4.2	4.4	4.6	4.4	4.6	4.5	4.8
Men, 16 years and over .....	9.1	8.6	8.3	8.1	7.8	7.7	7.7	7.3	7.1	7.5	7.2	7.3	7.2
16 to 24 years .....	17.3	15.9	15.6	15.6	14.6	14.6	15.0	14.0	13.7	14.6	14.3	14.8	13.9
16 to 19 years .....	22.5	20.2	20.4	20.8	19.7	20.0	19.7	19.4	18.5	20.6	18.6	19.9	20.2
16 to 17 years .....	24.3	22.0	23.3	21.6	21.6	23.0	23.7	21.3	22.7	23.0	22.1	21.1	21.5
18 to 19 years .....	21.6	19.6	18.9	19.6	18.1	18.2	17.3	18.3	16.1	18.8	16.5	19.1	19.3
20 to 24 years .....	14.7	13.8	13.3	13.1	12.1	11.9	12.7	11.5	11.4	11.7	12.3	12.3	10.9
25 years and over .....	7.0	6.8	6.5	6.2	6.1	5.9	5.9	5.7	5.4	5.7	5.5	5.5	5.5
25 to 54 years .....	7.4	7.1	6.7	6.6	6.4	6.1	6.2	5.9	5.6	5.9	5.7	5.6	5.6
55 years and over .....	5.4	5.4	5.4	4.8	4.5	4.6	4.4	4.5	4.3	4.6	4.6	5.0	4.8
Women, 16 years and over .....	8.5	8.2	8.1	7.9	7.8	7.9	7.9	7.7	7.2	7.6	7.9	7.6	7.7
16 to 24 years .....	15.1	14.7	14.0	13.9	13.7	14.2	14.1	14.0	12.2	12.5	13.7	13.2	13.2
16 to 19 years .....	20.5	20.1	19.8	18.0	18.9	19.8	19.0	18.6	16.7	15.9	18.2	18.6	17.3
16 to 17 years .....	23.6	21.8	22.5	22.2	22.6	23.1	20.8	19.0	16.4	17.9	20.6	21.4	18.5
18 to 19 years .....	18.8	19.0	18.7	15.4	16.9	18.1	17.8	18.1	16.5	14.4	16.9	16.8	16.6
20 to 24 years .....	12.3	12.0	11.0	11.7	11.0	11.3	11.6	11.6	9.9	10.8	11.4	10.4	11.2
25 years and over .....	6.5	6.2	6.3	6.2	6.1	6.0	6.0	5.8	5.8	6.1	6.3	5.9	6.1
25 to 54 years .....	7.0	6.6	6.8	6.5	6.5	6.5	6.4	6.1	5.8	6.5	6.6	6.3	6.3
55 years and over .....	4.4	4.1	4.3	4.5	4.0	3.9	3.9	4.3	5.0	4.2	4.4	3.9	4.8

**A-39. Selected unemployment indicators, seasonally adjusted**

(Unemployment rates)

Category	1983			1984									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>CHARACTERISTIC</b>													
Total (all civilian workers) .....	8.8	8.4	8.2	8.0	7.8	7.8	7.8	7.5	7.1	7.5	7.5	7.4	7.4
Men, 20 years and over .....	8.2	7.8	7.4	7.3	7.0	6.8	6.9	6.5	6.3	6.5	6.4	6.5	6.3
Women, 20 years and over .....	7.5	7.2	7.1	7.1	6.9	6.9	7.0	6.8	6.4	6.9	7.1	6.7	6.9
Both sexes, 16 to 19 years .....	21.6	20.2	20.1	19.4	19.3	19.9	19.4	19.0	17.6	18.3	18.4	19.3	18.8
White .....	7.7	7.3	7.1	6.9	6.7	6.7	6.7	6.4	6.1	6.4	6.4	6.4	6.4
Black and other .....	16.7	16.1	16.3	15.6	14.9	15.1	15.1	14.2	13.4	15.1	14.4	13.9	13.8
Black .....	18.3	17.7	17.8	16.7	16.2	16.6	16.8	15.8	15.0	16.9	16.0	15.1	15.4
Hispanic origin .....	12.4	12.3	11.6	11.2	10.2	11.3	11.5	10.5	10.0	10.6	10.7	10.7	10.9
Married men, spouse present .....	5.7	5.5	5.2	5.0	4.9	4.7	4.7	4.5	4.5	4.6	4.4	4.6	4.6
Married women, spouse present .....	6.3	6.0	6.1	6.0	5.9	5.8	5.8	5.8	5.6	5.9	6.0	5.8	5.8
Women who maintain families .....	11.4	10.5	10.9	10.7	11.0	11.0	10.5	9.8	9.6	9.6	10.5	10.0	10.5
Full-time workers .....	8.7	8.2	8.0	7.8	7.5	7.5	7.6	7.2	6.7	7.2	7.2	7.1	7.1
Part-time workers .....	10.0	9.8	9.8	9.2	9.3	9.2	9.1	9.3	10.3	9.6	9.6	9.4	9.1
Unemployed 15 weeks and over <sup>1</sup> .....	3.3	3.1	3.0	2.9	2.6	2.5	2.5	2.5	2.3	2.4	2.3	2.3	2.2
Labor force time lost <sup>2</sup> .....	10.0	9.7	9.4	9.2	8.9	8.8	8.9	8.5	8.3	8.7	8.5	8.5	8.6
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers .....	9.0	8.6	8.3	7.9	7.8	7.6	7.7	7.2	7.0	7.4	7.5	7.4	7.3
Mining .....	12.1	12.8	12.4	10.9	12.2	11.2	10.3	8.9	7.1	7.5	10.3	8.6	10.9
Construction .....	15.8	15.6	16.3	15.0	15.1	13.3	14.3	14.8	14.8	14.7	14.0	13.8	13.5
Manufacturing .....	9.6	8.9	8.3	8.4	7.5	7.5	7.7	7.1	7.2	7.5	7.5	7.6	7.4
Durable goods .....	10.2	9.0	8.3	8.0	7.3	7.8	7.5	7.0	7.2	6.7	6.9	7.0	7.0
Nondurable goods .....	8.7	8.7	8.2	8.9	7.8	7.2	8.0	7.1	7.3	8.6	8.3	8.4	7.9
Transportation and public utilities .....	7.2	6.7	6.5	5.1	5.9	5.0	5.4	5.5	5.2	6.1	6.2	6.1	5.3
Wholesale and retail trade .....	9.8	9.1	8.8	8.4	8.3	8.3	8.7	7.9	7.2	7.8	7.8	8.2	7.9
Finance and service industries .....	6.9	6.7	6.6	6.3	6.3	6.4	6.1	5.5	5.4	5.9	6.1	5.6	5.7
Agricultural wage and salary workers .....	16.2	15.7	15.6	15.5	14.0	14.6	12.2	13.9	11.8	14.6	12.8	15.0	13.8

<sup>1</sup> Unemployment as a percent of the civilian labor force.

<sup>2</sup> Aggregate hours lost by the unemployed and persons on part time

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

**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	( <sup>1</sup> )	( <sup>1</sup> )	1,280	2,861	565	( <sup>1</sup> )	( <sup>1</sup> )
1934	25,940	22,641	10,261	883	877	8,501	15,679	2,750	( <sup>1</sup> )	( <sup>1</sup> )	1,304	3,045	652	( <sup>1</sup> )	( <sup>1</sup> )
1935	27,039	23,558	10,893	897	927	9,069	16,146	2,786	( <sup>1</sup> )	( <sup>1</sup> )	1,320	3,128	753	( <sup>1</sup> )	( <sup>1</sup> )
1936	29,068	25,400	11,933	946	1,160	9,827	17,135	2,973	( <sup>1</sup> )	( <sup>1</sup> )	1,373	3,312	826	( <sup>1</sup> )	( <sup>1</sup> )
1937	31,011	27,255	12,936	1,015	1,127	10,794	18,075	3,134	( <sup>1</sup> )	( <sup>1</sup> )	1,417	3,503	833	( <sup>1</sup> )	( <sup>1</sup> )
1938	29,134	25,311	11,401	891	1,070	9,440	17,793	2,863	( <sup>1</sup> )	( <sup>1</sup> )	1,410	3,458	829	( <sup>1</sup> )	( <sup>1</sup> )
1939	30,603	26,608	12,297	854	1,165	10,278	18,306	2,936	1,762	4,664	1,447	3,502	905	( <sup>1</sup> )	( <sup>1</sup> )
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	( <sup>1</sup> )	( <sup>1</sup> )
1941	36,539	31,877	15,963	957	1,814	13,192	20,574	3,274	1,990	5,251	1,525	3,905	1,340	( <sup>1</sup> )	( <sup>1</sup> )
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	( <sup>1</sup> )	( <sup>1</sup> )
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	( <sup>1</sup> )	( <sup>1</sup> )
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	( <sup>1</sup> )	( <sup>1</sup> )
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	( <sup>1</sup> )	( <sup>1</sup> )
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	( <sup>1</sup> )	( <sup>1</sup> )
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	( <sup>1</sup> )	( <sup>1</sup> )
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	( <sup>1</sup> )	( <sup>1</sup> )
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	( <sup>1</sup> )	( <sup>1</sup> )
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	( <sup>1</sup> )	( <sup>1</sup> )
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	( <sup>1</sup> )	( <sup>1</sup> )
1952	48,793	42,185	20,198	898	2,668	16,632	28,595	4,248	2,812	7,192	2,035	5,699	2,420	( <sup>1</sup> )	( <sup>1</sup> )
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	( <sup>1</sup> )	( <sup>1</sup> )
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	( <sup>1</sup> )	( <sup>1</sup> )
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 <sup>a</sup>	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	50,007	4,541	4,113	11,836	3,908	12,276	2,684	2,859	7,790
1973	76,790	63,058	24,893	842	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	79,645	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	2,793	3,273	8,865
1977	82,471	67,344	24,346	813	3,851	19,682	58,125	4,713	4,708	13,808	4,467	15,303	2,727	3,377	9,023
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	74,268	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															
<b>1983:</b>															
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
<b>1984:</b>															
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	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	69,161	5,163	5,502	16,245	5,676	20,681	2,777	3,699	9,418
July	94,350	78,422	25,059	1,007	4,356	19,696	69,291	5,175	5,528	16,283	5,676	20,701	2,779	3,697	9,452
August	94,523	78,566	25,098	1,017	4,356	19,725	69,425	5,202	5,544	16,295	5,679	20,748	2,785	3,714	9,458
September <sup>b</sup>	94,754	78,694	25,005	1,020	4,374	19,611	69,749	5,211	5,585	16,339	5,684	20,870</			

**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 <sup>1</sup>				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Total</b> .....		91,485	92,049	94,500	95,306	95,940	-	-	-	-	-
<b>Total private</b> .....		75,901	76,081	79,401	79,593	79,740	61,510	61,649	64,339	64,513	64,650
<b>Mining</b> .....		956	965	1,028	1,024	1,016	679	686	736	735	729
Metal mining .....	10	54.9	57.6	56.0	55.4	-	40.2	41.6	40.3	39.6	-
Iron ores .....	101	7.7	10.4	10.7	10.6	-	5.3	7.0	7.8	7.6	-
Copper ores .....	102	19.5	19.3	16.1	15.8	-	13.8	13.5	11.1	10.9	-
Coal mining .....	11,12	197.6	197.5	209.5	209.2	-	159.5	159.3	170.1	170.3	-
Bituminous coal and lignite mining .....	12	194.8	194.7	206.9	206.6	-	157.1	156.9	167.9	168.0	-
Oil and gas extraction .....	13	591.8	597.4	641.8	639.6	642.2	393.7	400.1	433.1	432.4	-
Crude petroleum, natural gas, and natural gas liquids .....	131,2	260.7	258.6	260.0	255.7	-	120.6	119.8	119.5	116.6	-
Oil and gas field services .....	138	331.1	338.8	381.8	383.9	-	273.1	280.3	313.6	315.8	-
Nonmetallic minerals, except fuels .....	14	112.0	112.0	120.2	119.8	-	85.7	85.4	92.7	92.6	-
Crushed and broken stone .....	142	37.0	36.7	39.3	39.3	-	29.5	29.0	31.6	31.7	-
Sand and gravel .....	144	35.4	35.5	39.1	39.0	-	-	-	-	-	-
Chemical and fertilizer minerals .....	147	20.6	20.9	21.7	21.8	-	-	-	-	-	-
<b>Construction</b> .....		4,273	4,285	4,670	4,654	4,651	3,343	3,359	3,682	3,671	3,667
General building contractors .....	15	1,100.1	1,105.0	1,214.9	1,201.9	1,195.9	828.3	831.7	917.6	904.5	-
Residential building construction .....	152	539.4	534.3	588.0	578.0	-	396.1	390.8	430.8	420.9	-
Operative builders .....	153	60.3	61.4	65.5	64.8	-	34.0	35.0	35.9	34.8	-
Nonresidential building construction .....	154	500.4	509.3	561.4	559.1	-	398.2	405.9	450.9	448.8	-
Heavy construction contractors .....	16	869.3	870.8	865.9	863.6	-	712.7	716.6	718.0	717.4	-
Highway and street construction .....	161	285.4	282.9	302.9	300.4	-	245.1	242.4	260.3	257.7	-
Heavy construction, except highway .....	162	583.9	587.9	563.0	563.2	-	467.6	474.2	457.7	459.7	-
Special trade contractors .....	17	2,303.6	2,308.9	2,589.1	2,588.4	-	1,801.6	1,810.5	2,046.5	2,049.1	-
Plumbing, heating, and air conditioning .....	171	521.9	525.3	563.3	562.8	-	378.8	383.5	417.5	417.3	-
Painting, paper hanging, and decorating .....	172	144.2	143.8	162.6	161.1	-	121.2	121.1	138.7	136.6	-
Electrical work .....	173	423.4	423.3	460.7	462.4	-	324.2	324.1	352.1	354.9	-
Masonry, stonework, and plastering .....	174	357.7	357.8	409.2	417.3	-	304.9	306.1	349.0	357.1	-
Carpentering and flooring .....	175	128.9	130.5	141.0	137.5	-	98.2	99.6	107.9	104.4	-
Roofing and sheet metal work .....	176	179.2	181.7	203.3	204.1	-	144.3	147.1	166.3	167.2	-
<b>Manufacturing</b> .....		18,971	19,052	19,850	19,904	19,838	13,014	13,082	13,641	13,716	13,662
<b>Durable goods</b> .....		11,047	11,140	11,760	11,830	11,819	7,399	7,482	7,919	7,996	7,988
Lumber and wood products .....	24	706.1	702.8	736.7	730.9	724.5	593.3	589.7	620.3	614.5	607.3
Logging camps and logging contractors .....	241	91.2	90.5	90.8	90.3	-	72.4	71.6	71.7	70.9	-
Sawmills and planing mills .....	242	206.5	205.1	214.7	212.0	-	183.8	182.4	190.8	188.0	-
Sawmills and planing mills, general .....	2421	172.4	170.4	178.3	175.8	-	153.8	151.8	159.1	156.5	-
Hardwood dimension and flooring .....	2426	29.5	30.1	30.8	30.6	-	25.9	26.5	26.9	26.7	-
Millwork, plywood, and structural members .....	243	213.2	212.6	226.7	225.2	-	177.6	177.1	190.1	188.8	-
Millwork .....	2431	79.5	79.0	84.7	84.6	-	64.6	64.0	69.3	69.2	-
Wood kitchen cabinets .....	2434	54.0	54.1	60.9	60.4	-	43.4	43.5	50.2	49.8	-
Hardwood veneer and plywood .....	2435	23.8	24.0	25.0	24.6	-	20.9	21.1	22.0	21.7	-
Softwood veneer and plywood .....	2436	36.9	36.9	36.5	36.6	-	33.3	33.3	33.1	33.2	-
Wood containers .....	244	39.4	38.4	42.6	42.0	-	33.4	32.3	36.4	35.7	-
Wood buildings and mobile homes .....	245	77.3	76.3	78.3	77.1	-	60.9	60.0	61.2	60.3	-
Mobile homes .....	2451	57.0	56.4	57.3	56.5	-	46.3	45.8	46.8	45.9	-
Miscellaneous wood products .....	249	78.5	79.9	83.6	84.3	-	65.2	66.3	70.1	70.8	-

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 <sup>1</sup>				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Durable goods—Continued</b>											
Furniture and fixtures .....	25	461.1	467.1	483.5	485.9	491.0	368.1	373.4	385.6	388.4	393.4
Household furniture .....	251	282.2	286.2	282.5	283.6	-	234.8	238.7	235.4	236.9	-
Wood household furniture .....	2511	126.4	128.1	126.2	126.1	-	109.6	111.1	109.5	109.7	-
Upholstered household furniture .....	2512	88.2	89.6	89.6	89.8	-	71.8	73.3	73.2	73.8	-
Metal household furniture .....	2514	25.2	26.6	24.4	25.3	-	20.0	21.3	19.0	19.8	-
Mattresses and bedsprings .....	2515	30.0	29.6	29.8	29.8	-	22.9	22.6	23.2	23.0	-
Office furniture .....	252	59.6	60.4	68.6	69.3	-	46.3	46.8	52.7	53.4	-
Public building and related furniture .....	253	24.1	24.1	25.7	25.9	-	17.6	17.8	19.6	19.8	-
Partitions and fixtures .....	254	62.0	62.9	69.2	69.6	-	46.5	47.0	51.6	51.4	-
Miscellaneous furniture and fixtures .....	259	33.2	33.5	37.5	37.5	-	22.9	23.1	26.3	26.9	-
Stone, clay, and glass products .....	32	599.0	599.9	621.4	622.0	620.9	462.1	463.0	480.2	481.1	480.1
Flat glass .....	321	16.3	16.4	15.8	16.0	-	12.9	12.9	12.5	12.7	-
Glass and glassware, pressed or blown .....	322	106.8	106.2	98.8	99.8	-	90.5	90.1	84.1	84.6	-
Glass containers .....	3221	58.0	57.2	52.1	51.4	-	51.1	50.4	46.2	45.5	-
Pressed and blown glass, nec .....	3229	48.8	49.0	46.7	48.4	-	39.4	39.7	37.9	39.1	-
Products of purchased glass .....	323	46.7	47.6	50.2	50.4	-	31.5	32.5	35.2	35.6	-
Cement, hydraulic .....	324	26.2	26.1	26.8	26.5	-	20.6	20.5	21.1	20.7	-
Structural clay products .....	325	38.0	38.1	40.1	39.7	-	29.2	29.5	31.2	30.8	-
Pottery and related products .....	326	40.5	40.8	42.0	42.3	-	31.9	32.4	33.4	33.7	-
Concrete, gypsum, and plaster products .....	327	199.0	198.3	214.7	213.4	-	155.5	154.3	168.1	167.1	-
Concrete block and brick .....	3271	18.3	18.2	20.0	19.7	-	12.7	12.4	13.7	13.4	-
Concrete products, nec .....	3272	65.8	65.7	72.1	72.1	-	49.8	49.6	54.9	55.3	-
Ready-mixed concrete .....	3273	97.1	96.5	104.0	103.1	-	78.6	78.0	84.8	83.9	-
Misc. nonmetallic mineral products .....	329	114.6	115.6	121.7	122.6	-	81.4	82.1	85.6	86.8	-
Abrasive products .....	3291	22.8	23.0	24.7	24.7	-	15.1	15.3	16.5	16.5	-
Asbestos products .....	3292	12.3	12.3	12.1	12.7	-	9.2	9.3	9.4	9.8	-
Mineral wool .....	3296	27.5	27.8	27.5	28.1	-	-	-	-	-	-
Primary metal industries .....	33	854.7	857.5	880.4	869.1	862.6	641.9	645.3	669.1	660.2	656.5
Blast furnaces and basic steel products .....	331	346.2	345.9	336.8	325.1	320.9	261.7	262.2	258.8	248.7	-
Blast furnaces and steel mills .....	3312	279.6	279.4	267.4	255.7	-	212.4	212.8	206.9	196.7	-
Steel pipe and tubes .....	3317	24.7	24.7	25.4	25.0	-	17.9	18.0	18.6	18.3	-
Iron and steel foundries .....	332	146.1	146.3	160.1	158.9	-	113.2	113.5	126.7	126.0	-
Gray iron foundries .....	3321	94.1	94.6	102.1	99.9	-	75.2	75.8	83.0	81.4	-
Malleable iron foundries .....	3322	11.6	11.8	11.9	11.9	-	8.4	8.6	8.7	8.7	-
Steel foundries, nec .....	3325	30.1	29.4	33.5	34.2	-	22.4	21.8	25.6	26.2	-
Primary nonferrous metals .....	333	52.0	52.6	53.8	53.3	-	38.0	38.6	39.3	39.0	-
Primary aluminum .....	3334	27.3	27.9	29.2	28.8	-	20.9	21.5	22.5	22.2	-
Nonferrous rolling and drawing .....	335	186.1	186.5	190.7	192.7	-	132.1	132.1	134.8	136.9	-
Copper rolling and drawing .....	3351	25.9	26.0	26.6	26.8	-	19.2	19.3	19.7	19.9	-
Aluminum sheet, plate, and foil .....	3353	30.5	30.7	31.0	30.9	-	23.8	23.8	23.0	22.9	-
Nonferrous wire drawing and insulating .....	3357	79.7	80.2	81.4	82.9	-	56.1	56.6	58.1	59.6	-
Nonferrous foundries .....	336	81.7	82.7	90.8	91.4	-	65.7	66.7	73.3	73.8	-
Aluminum foundries .....	3361	49.1	49.8	56.1	56.2	-	40.5	41.1	46.2	46.2	-
Fabricated metal products .....	34	1,406.5	1,418.3	1,492.7	1,504.1	1,504.9	1,027.1	1,038.2	1,103.3	1,114.6	1,115.4
Metal cans and shipping containers .....	341	62.4	60.9	61.9	60.7	-	52.7	51.3	52.5	51.4	-
Metal cans .....	3411	49.9	48.7	49.3	48.0	-	43.0	41.9	42.6	41.4	-
Cutlery, hand tools, and hardware .....	342	140.8	141.5	146.6	148.7	-	103.6	104.7	108.8	110.4	-
Hand and edge tools, and hand saws and blades .....	3423,5	44.2	44.3	46.3	46.9	-	32.1	32.5	34.3	34.5	-
Hardware, nec .....	3429	83.0	83.5	86.4	87.7	-	62.3	62.9	65.4	66.6	-
Plumbing and heating, except electric .....	343	63.1	64.0	65.9	65.7	-	44.8	45.7	47.5	47.3	-
Plumbing fittings and brass goods .....	3432	24.8	25.2	27.3	26.8	-	18.6	18.0	20.8	20.2	-
Heating equipment, except electric .....	3433	29.1	29.4	29.4	29.7	-	19.6	19.9	19.7	20.0	-
Fabricated structural metal products .....	344	438.9	442.6	464.0	468.5	-	298.5	301.1	321.1	324.9	-
Fabricated structural metal .....	3441	78.0	78.3	81.8	83.5	-	54.2	54.5	57.9	59.3	-
Metal doors, sash, and trim .....	3442	86.7	87.1	93.5	93.4	-	64.2	64.6	69.0	69.1	-
Fabricated plate work (boiler shops) .....	3443	104.8	105.6	106.5	107.2	-	60.2	60.7	63.3	63.9	-
Sheet metal work .....	3444	109.1	110.3	117.9	119.5	-	79.4	80.3	87.3	88.6	-
Architectural metal work .....	3446	27.3	27.3	27.6	27.9	-	18.9	18.9	19.8	19.9	-

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 <sup>1</sup>				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Durable goods—Continued</b>											
<b>Fabricated metal products—Continued</b>											
Screw machine products, bolts, etc .....	345	86.4	87.9	95.6	96.5	-	64.8	66.1	73.2	74.5	-
Screw machine products .....	3451	40.5	41.2	46.3	46.6	-	32.2	32.8	37.7	38.1	-
Bolts, nuts, rivets, and washers .....	3452	45.9	46.7	49.3	49.9	-	32.6	33.3	35.5	36.4	-
Metal forgings and stampings .....	346	236.3	239.7	254.9	259.8	-	188.5	191.7	203.8	208.4	-
Iron and steel forgings .....	3462	31.0	31.6	33.6	34.4	-	23.3	23.9	25.7	26.5	-
Automotive stampings .....	3465	90.9	92.9	97.4	100.9	-	77.7	79.4	82.8	86.3	-
Metal stampings, nec .....	3469	103.4	104.2	112.6	113.3	-	79.1	80.0	86.9	87.2	-
Metal services, nec .....	347	96.6	97.6	103.7	103.9	-	76.5	77.9	83.2	83.5	-
Plating and polishing .....	3471	66.0	66.9	71.9	71.6	-	53.3	54.6	58.5	58.4	-
Metal coating and allied services .....	3479	30.6	30.7	31.8	32.3	-	23.2	23.3	24.7	25.1	-
Ordnance and accessories, nec .....	348	65.0	65.2	68.5	67.9	-	41.5	41.5	44.5	44.5	-
Ammunition, except for small arms, nec .....	3483	29.7	30.0	31.7	31.2	-	19.0	19.2	20.6	20.9	-
Misc. fabricated metal products .....	349	217.0	218.9	231.6	232.4	-	156.2	158.2	168.7	169.7	-
Valves and pipe fittings .....	3494	81.6	81.9	86.7	86.5	-	53.7	54.1	58.5	58.6	-
Misc. fabricated wire products .....	3496	53.8	54.7	56.0	56.7	-	41.0	41.8	42.6	43.2	-
Machinery, except electrical .....	35	2,062.6	2,072.5	2,234.1	2,247.5	2,251.1	1,223.8	1,232.5	1,357.3	1,373.5	1,375.0
Engines and turbines .....	351	97.6	98.9	112.6	113.4	-	56.3	57.4	69.3	69.9	-
Turbines and turbine generator sets .....	3511	34.7	35.5	34.7	34.7	-	16.7	17.3	17.2	17.2	-
Internal combustion engines, nec .....	3519	62.9	63.4	77.9	78.7	-	39.6	40.1	52.1	52.7	-
Farm and garden machinery .....	352	109.7	108.5	112.0	113.2	-	71.5	70.5	73.5	75.0	-
Farm machinery and equipment .....	3523	89.6	88.2	92.9	91.9	-	57.4	56.1	60.2	59.6	-
Construction and related machinery .....	353	255.5	256.0	279.5	282.1	-	148.8	150.3	173.2	176.1	-
Construction machinery .....	3531	89.9	89.4	95.3	95.6	-	50.0	50.4	58.6	59.6	-
Mining machinery .....	3532	20.6	20.5	24.8	25.0	-	11.7	11.5	14.8	15.2	-
Oil field machinery .....	3533	68.2	68.9	76.2	77.5	-	42.2	43.0	49.3	50.2	-
Conveyors and conveying equipment .....	3535	26.8	27.1	29.9	30.3	-	13.9	14.2	16.1	16.3	-
Industrial trucks and tractors .....	3537	25.6	25.9	28.7	28.8	-	16.2	16.5	19.5	19.5	-
Metalworking machinery .....	354	281.9	284.8	311.4	316.6	-	196.3	199.6	221.1	226.3	-
Machine tools, metal cutting types .....	3541	51.7	51.7	56.5	57.7	-	29.8	30.1	34.4	35.6	-
Machine tools, metal forming types .....	3542	17.4	17.6	19.1	19.5	-	10.2	10.4	11.7	12.1	-
Special dies, tools, jigs, and fixtures .....	3544	122.3	123.9	133.8	136.4	-	94.7	96.3	105.0	107.0	-
Machine tool accessories .....	3545	51.9	52.9	59.1	59.8	-	35.4	36.5	41.5	42.4	-
Power driven hand tools .....	3546	22.7	22.8	25.1	25.4	-	16.5	16.7	17.3	17.8	-
Special industry machinery .....	355	161.3	162.2	169.1	171.4	-	94.8	95.9	101.0	103.1	-
Food products machinery .....	3551	36.7	36.5	36.2	36.5	-	22.4	22.4	22.1	22.5	-
Textile machinery .....	3552	20.2	20.6	20.6	20.7	-	13.8	14.1	14.2	14.2	-
Printing trades machinery .....	3555	32.9	32.8	33.8	35.0	-	18.8	18.9	19.4	20.6	-
General industrial machinery .....	356	256.5	257.6	280.7	282.3	-	159.8	160.4	180.0	181.8	-
Pumps and pumping equipment .....	3561	49.7	49.5	54.2	54.2	-	28.0	27.8	31.7	31.9	-
Ball and roller bearings .....	3562	44.8	45.4	49.7	50.8	-	33.3	33.8	37.1	38.0	-
Air and gas compressors .....	3563	23.0	22.9	23.9	24.1	-	11.8	11.9	13.4	13.5	-
Blowers and fans .....	3564	32.3	32.6	34.7	34.6	-	19.8	19.7	21.7	21.6	-
Speed changers, drives, and gears .....	3566	19.2	19.6	20.8	21.0	-	12.2	12.7	14.0	14.2	-
Power transmission equipment, nec .....	3568	16.7	16.6	19.6	19.9	-	11.2	11.1	13.5	13.9	-
Office and computing machines .....	357	487.5	489.5	514.9	510.9	-	197.2	197.6	204.2	202.2	-
Electronic computing equipment .....	3573	421.4	424.2	449.0	444.7	-	163.8	165.1	170.3	167.6	-
Refrigeration and service machinery .....	358	166.4	167.7	183.7	184.7	-	114.9	115.9	129.0	130.1	-
Refrigeration and heating equipment .....	3585	116.9	117.7	129.3	130.2	-	81.9	82.6	92.6	93.7	-
Misc. machinery, except electrical .....	359	246.2	247.3	270.2	272.9	-	184.2	184.9	206.0	209.0	-
Carburetors, pistons, rings, and valves .....	3592	35.7	34.5	37.9	38.6	-	28.5	27.2	31.1	31.9	-
Machinery, except electrical, nec .....	3599	210.5	212.8	232.3	234.3	-	155.7	157.7	174.9	177.1	-
Electrical and electronic equipment .....	36	2,076.5	2,097.7	2,266.6	2,281.6	2,275.8	1,271.9	1,288.9	1,393.7	1,409.4	1,401.2
Electric distributing equipment .....	361	109.9	108.7	116.4	116.8	-	78.3	77.8	84.7	84.9	-
Transformers .....	3612	48.7	47.9	52.8	52.9	-	34.0	33.4	38.4	38.3	-
Switchgear and switchboard apparatus .....	3613	61.2	60.8	63.6	63.9	-	44.3	44.4	46.3	46.6	-
Electrical industrial apparatus .....	362	200.9	203.5	212.4	214.1	-	139.9	142.4	150.2	151.7	-
Motors and generators .....	3621	100.2	101.6	103.5	104.8	-	77.1	78.5	79.8	81.1	-
Industrial controls .....	3622	62.8	63.7	68.1	68.3	-	37.4	38.2	42.1	42.1	-
Household appliances .....	363	148.3	149.0	150.5	156.5	-	116.1	116.9	118.4	124.8	-
Household refrigerators and freezers .....	3632	28.6	29.0	24.4	29.5	-	23.1	23.5	18.6	23.8	-
Household laundry equipment .....	3633	19.6	19.7	21.0	20.5	-	15.2	15.2	16.4	16.3	-
Electric housewares and fans .....	3634	44.0	44.2	45.4	45.7	-	33.7	34.0	35.5	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 <sup>1</sup>				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Durable goods—Continued</b>											
<b>Electrical and electronic equipment—Continued</b>											
Electric lighting and wiring equipment .....	364	191.4	193.7	206.5	207.5	-	140.9	142.6	150.9	151.8	-
Electric lamps .....	3641	28.2	28.3	29.5	29.4	-	24.5	24.6	25.5	25.4	-
Current-carrying wiring devices .....	3643	79.7	80.7	88.7	88.6	-	53.7	54.2	59.1	59.0	-
Noncurrent-carrying wiring devices .....	3644	17.6	17.5	17.7	18.1	-	12.9	12.8	12.6	13.0	-
Residential lighting fixtures .....	3645	25.9	27.0	27.2	27.5	-	19.8	20.8	20.7	20.9	-
Radio and TV receiving equipment .....	365	88.9	89.8	92.1	92.3	-	61.7	62.5	64.1	64.4	-
Radio and TV receiving sets .....	3651	69.1	69.1	72.0	72.0	-	46.9	47.1	49.3	49.3	-
Communication equipment .....	366	578.3	581.6	623.6	625.9	-	262.3	264.6	285.3	288.2	-
Telephone and telegraph apparatus .....	3661	141.5	143.2	154.4	154.4	-	89.8	91.2	99.3	100.0	-
Radio and TV communication equipment .....	3662	436.8	438.4	469.2	471.5	-	172.5	173.4	186.0	188.2	-
Electronic components and accessories .....	367	605.3	614.7	705.2	706.6	-	361.6	368.2	426.1	427.2	-
Electronic tubes .....	3671-3	39.8	39.9	42.2	42.4	-	24.9	24.8	26.0	26.1	-
Semiconductors and related devices .....	3674	239.6	242.3	281.4	284.1	-	102.8	104.0	122.6	124.6	-
Electronic components, nec .....	3679	249.7	255.2	291.1	291.1	-	176.4	181.0	208.1	207.7	-
Misc. electrical equipment and supplies .....	369	153.5	156.7	159.9	161.9	-	111.1	113.9	114.0	116.4	-
Storage batteries .....	3691	30.6	31.6	31.0	31.4	-	24.4	25.3	24.0	24.6	-
Engine electrical equipment .....	3694	59.5	61.5	64.6	66.0	-	46.7	48.4	50.2	51.4	-
Transportation equipment .....	37	1,800.3	1,834.8	1,921.9	1,962.9	1,958.2	1,139.1	1,171.9	1,216.8	1,256.6	1,256.9
Motor vehicles and equipment .....	371	801.9	824.4	861.4	884.5	879.5	611.9	633.4	657.1	680.7	-
Motor vehicles and car bodies .....	3711	371.2	383.9	384.2	396.7	-	272.7	285.1	280.0	292.8	-
Truck and bus bodies .....	3713	35.5	35.7	41.6	42.1	-	27.2	27.5	32.7	33.2	-
Motor vehicle parts and accessories .....	3714	355.7	364.1	385.3	397.0	-	281.0	289.1	304.4	316.4	-
Truck trailers .....	3715	25.5	26.2	34.0	33.2	-	19.6	20.0	26.8	26.0	-
Aircraft and parts .....	372	576.2	577.5	594.9	611.2	-	276.7	278.4	279.5	293.3	-
Aircraft .....	3721	305.3	306.6	316.9	324.8	-	128.5	130.2	130.0	136.6	-
Aircraft engines and engine parts .....	3724	139.7	139.4	141.3	147.4	-	72.9	72.8	72.0	76.5	-
Aircraft equipment, nec .....	3728	131.2	131.5	136.7	139.0	-	75.3	75.4	77.5	80.2	-
Ship and boat building and repairing .....	373	185.7	194.3	208.2	206.9	-	140.0	148.6	157.0	156.8	-
Ship building and repairing .....	3731	142.6	150.5	158.6	157.7	-	104.6	112.7	116.5	116.4	-
Boat building and repairing .....	3732	43.1	43.8	49.6	49.2	-	35.4	35.9	40.5	40.4	-
Railroad equipment .....	374	32.1	32.3	37.9	39.1	-	20.8	21.0	26.5	27.7	-
Guided missiles, space vehicles, and parts .....	376	142.6	143.3	156.1	157.2	-	46.6	46.3	52.8	54.2	-
Guided missiles and space vehicles .....	3761	110.6	111.1	120.6	121.3	-	35.2	34.8	40.1	41.2	-
Miscellaneous transportation equipment .....	379	47.4	47.4	49.0	50.0	-	32.5	32.5	33.2	33.8	-
Travel trailers and campers .....	3792	21.1	20.8	21.0	21.1	-	16.6	16.5	16.5	16.6	-
Instruments and related products .....	38	700.3	702.3	728.3	728.1	729.5	395.4	396.7	404.0	405.3	408.1
Engineering and scientific instruments .....	381	76.3	76.9	81.0	81.5	-	35.3	35.3	35.8	36.7	-
Measuring and controlling devices .....	382	235.1	236.8	254.6	254.8	-	138.6	140.1	146.0	146.3	-
Environmental controls .....	3822	43.8	44.4	46.5	46.7	-	28.6	29.1	29.6	30.1	-
Process control instruments .....	3823	52.0	52.0	54.9	54.6	-	24.6	24.6	26.9	26.5	-
Instruments to measure electricity .....	3825	98.7	99.2	108.9	108.7	-	58.1	58.7	60.6	60.5	-
Optical instruments and lenses .....	383	33.0	33.2	31.8	31.9	-	17.0	17.2	16.7	17.1	-
Medical instruments and supplies .....	384	172.9	172.6	175.9	174.9	-	105.7	105.2	105.5	105.5	-
Surgical and medical instruments .....	3841	86.4	85.6	84.8	83.8	-	50.6	49.9	47.8	47.6	-
Surgical appliances and supplies .....	3842	72.3	72.7	76.4	76.4	-	46.9	47.1	49.4	49.4	-
Ophthalmic goods .....	385	39.3	39.8	41.2	41.2	-	27.1	27.4	27.3	27.2	-
Photographic equipment and supplies .....	386	127.5	127.0	127.2	127.2	-	60.4	60.5	61.0	60.7	-
Watches, clocks, and watchcases .....	387	16.2	16.0	16.6	16.6	-	11.3	11.0	11.7	11.8	-
Miscellaneous manufacturing .....	39	379.4	386.8	393.9	397.5	400.5	276.1	282.7	288.8	292.5	293.8
Jewelry, silverware, and plated ware .....	391	54.4	55.9	52.3	53.8	-	38.6	40.1	36.1	37.4	-
Jewelry, precious metal .....	3911	36.6	38.0	34.5	36.0	-	26.0	27.3	23.5	24.9	-
Musical instruments .....	393	17.7	17.8	17.7	17.9	-	14.0	14.0	13.9	14.0	-
Toys and sporting goods .....	394	111.6	114.1	124.7	125.3	-	81.8	83.8	94.6	96.1	-
Dolls, games, toys, and children's vehicles .....	3942,4	59.3	60.5	66.2	66.4	-	42.2	43.1	49.5	50.5	-
Sporting and athletic goods, nec .....	3949	52.3	53.6	58.5	58.9	-	39.6	40.7	45.1	45.6	-
Pens, pencils, office, and art supplies .....	395	32.4	32.6	33.8	33.7	-	22.5	22.7	23.1	23.0	-
Costume jewelry and notions .....	396	38.1	40.1	37.3	37.9	-	29.3	31.4	28.4	28.9	-
Costume jewelry .....	3961	20.7	22.5	20.7	21.0	-	15.9	17.8	15.8	16.1	-
Miscellaneous manufactures .....	399	125.2	126.3	128.1	128.9	-	89.9	90.7	92.7	93.1	-
Signs and advertising displays .....	3993	47.1	48.0	51.6	53.0	-	33.1	33.9	36.7	37.7	-

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 <sup>1</sup>				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Nondurable goods</b> .....		7,924	7,912	8,090	8,074	8,019	5,615	5,600	5,722	5,720	5,674
Food and kindred products .....	20	1,723.7	1,679.7	1,733.9	1,730.8	1,688.5	1,212.8	1,173.5	1,226.5	1,225.6	1,188.0
Meat products .....	201	353.3	355.4	360.5	359.6	-	295.3	297.8	303.4	302.6	-
Meat packing plants .....	2011	146.5	147.7	145.5	146.4	-	119.3	120.9	120.5	121.5	-
Sausages and other prepared meats .....	2013	72.7	72.5	73.1	71.2	-	54.1	53.9	54.0	52.0	-
Poultry dressing plants .....	2016	116.5	117.3	124.3	124.1	-	106.3	107.2	113.3	113.1	-
Dairy products .....	202	166.5	164.9	167.4	164.2	-	96.5	95.1	98.0	95.4	-
Cheese, natural and processed .....	2022	38.0	38.2	37.5	36.8	-	29.1	29.2	28.5	27.9	-
Fluid milk .....	2026	89.7	89.2	89.4	88.7	-	41.8	41.4	43.2	42.7	-
Preserved fruits and vegetables .....	203	308.5	258.5	313.1	314.8	-	264.7	217.3	269.3	270.8	-
Canned specialties .....	2032	27.8	26.9	28.1	29.1	-	21.4	20.4	21.2	22.2	-
Canned fruits and vegetables .....	2033	142.5	96.3	145.5	139.6	-	125.1	81.2	128.7	122.9	-
Frozen fruits and vegetables .....	2037	57.2	53.9	54.1	60.1	-	50.0	46.9	48.0	53.8	-
Grain mill products .....	204	132.8	131.5	129.7	130.2	-	89.6	88.8	87.3	88.6	-
Flour and other grain mill products .....	2041	25.5	25.3	24.2	24.5	-	15.2	15.0	14.4	15.1	-
Prepared feeds, nec .....	2048	48.2	47.8	46.9	47.0	-	30.7	30.3	29.6	29.9	-
Bakery products .....	205	217.2	215.8	213.3	213.4	-	129.3	128.6	127.0	127.6	-
Bread, cake, and related products .....	2051	172.2	171.9	169.0	168.7	-	93.1	93.4	91.7	91.8	-
Cookies and crackers .....	2052	45.0	43.9	44.3	44.7	-	36.2	35.2	35.3	35.8	-
Sugar and confectionery products .....	206	104.0	114.7	101.2	105.9	-	80.8	90.6	77.9	82.4	-
Cane and beet sugar .....	2061-3	26.1	34.2	23.5	26.0	-	20.2	27.3	18.2	20.6	-
Confectionery products .....	2065	57.8	60.8	57.0	59.2	-	47.0	50.1	45.7	47.9	-
Fats and oils .....	207	38.7	40.2	38.8	38.7	-	28.5	29.9	28.3	28.3	-
Beverages .....	208	230.3	228.0	231.4	228.9	-	98.7	97.5	100.2	98.4	-
Malt beverages .....	2082	49.1	48.7	49.3	48.0	-	29.3	29.3	30.7	29.4	-
Bottled and canned soft drinks .....	2086	132.7	130.9	136.1	134.2	-	42.7	41.7	44.7	43.7	-
Misc. food and kindred products .....	209	172.4	170.7	178.5	175.1	-	129.4	127.9	135.1	131.5	-
Tobacco manufactures .....	21	72.5	72.9	68.3	72.9	73.4	56.3	56.6	51.9	56.8	57.2
Cigarettes .....	211	46.3	46.4	45.0	44.8	-	34.6	34.6	33.4	33.5	-
Textile mill products .....	22	761.0	764.9	754.3	752.6	741.6	659.0	662.2	651.9	651.5	641.5
Weaving mills, cotton .....	221	125.7	126.2	121.3	122.5	-	112.4	112.6	108.4	109.7	-
Weaving mills, synthetics .....	222	93.5	93.7	92.1	92.3	-	83.9	84.0	82.0	82.1	-
Weaving and finishing mills, wool .....	223	18.3	18.3	18.6	18.5	-	15.4	15.4	15.6	15.6	-
Narrow fabric mills .....	224	22.4	22.7	23.0	23.1	-	19.3	19.6	19.7	19.8	-
Knitting mills .....	225	209.9	211.0	208.6	206.4	-	182.2	183.3	181.7	179.8	-
Women's hosiery, except socks .....	2251	34.3	34.8	34.5	33.4	-	30.8	31.3	30.9	29.9	-
Hosiery, nec .....	2252	35.9	35.6	35.5	35.0	-	32.3	32.1	31.6	31.4	-
Knit outerwear mills .....	2253	64.0	64.3	63.3	63.2	-	55.2	55.5	54.6	54.5	-
Knit underwear mills .....	2254	30.7	31.0	30.5	30.4	-	26.0	26.4	26.2	26.2	-
Circular knit fabric mills .....	2257	25.2	25.6	25.3	25.2	-	21.3	21.6	21.7	21.6	-
Textile finishing, except wool .....	226	64.3	64.7	63.6	63.2	-	53.8	54.1	53.3	53.2	-
Finishing plants, cotton .....	2261	25.4	25.5	24.8	24.7	-	21.2	21.3	20.7	20.9	-
Finishing plants, synthetics .....	2262	23.8	24.0	23.4	23.4	-	19.8	20.0	19.5	19.5	-
Floor covering mills .....	227	50.3	50.9	54.1	54.4	-	40.5	40.9	43.7	44.3	-
Yarn and thread mills .....	228	114.7	114.7	111.3	110.6	-	102.4	102.6	98.7	98.2	-
Yarn mills, except wool .....	2281	78.5	78.9	76.4	76.4	-	70.7	71.2	68.5	68.7	-
Throwing and winding mills .....	2282	18.2	18.0	17.7	17.2	-	16.3	16.1	15.8	15.2	-
Miscellaneous textile goods .....	229	61.9	62.7	61.7	61.6	-	49.1	49.7	48.8	48.8	-
Apparel and other textile products .....	23	1,192.3	1,204.9	1,207.4	1,199.0	1,196.2	1,010.6	1,020.7	1,019.9	1,015.1	1,011.7
Men's and boys' suits and coats .....	231	71.3	71.8	72.3	72.6	-	62.2	62.9	63.5	63.8	-
Men's and boys' furnishings .....	232	335.0	337.8	348.6	344.4	-	286.9	288.9	300.1	296.8	-
Men's and boys' shirts and nightwear .....	2321	96.8	97.7	101.2	100.6	-	83.4	84.0	87.7	87.4	-
Men's and boys' separate trousers .....	2327	63.9	64.3	68.4	67.7	-	55.5	55.8	59.8	59.0	-
Men's and boys' work clothing .....	2328	102.1	103.2	103.8	101.4	-	86.4	87.1	88.2	86.5	-
Women's and misses' outerwear .....	233	392.0	397.1	386.2	381.1	-	331.9	335.4	324.3	320.8	-
Women's and misses' blouses and waists .....	2331	60.2	60.4	58.7	58.3	-	51.2	51.5	49.8	49.4	-
Women's and misses' dresses .....	2335	124.7	128.0	120.3	118.8	-	107.0	109.4	102.0	100.8	-
Women's and misses' suits and coats .....	2337	61.1	60.1	60.2	59.1	-	51.3	50.6	49.9	49.2	-
Women's and misses' outerwear, nec .....	2339	146.0	148.6	147.0	144.9	-	122.4	123.9	122.6	121.4	-

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 <sup>1</sup>				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
Apparel and other textile products—Continued											
Women's and children's undergarments .....	234	87.0	88.1	88.3	87.4	-	73.5	74.5	73.9	73.5	-
Women's and children's underwear .....	2341	70.5	71.5	72.2	71.6	-	61.3	62.2	61.9	61.8	-
Brassieres and allied garments .....	2342	16.5	16.6	16.1	15.8	-	12.2	12.3	12.0	11.7	-
Children's outerwear .....	236	60.7	61.4	62.9	62.8	-	51.8	52.3	52.9	53.1	-
Children's dresses and blouses .....	2361	25.3	25.3	25.5	25.5	-	22.4	22.3	22.4	22.4	-
Misc. apparel and accessories .....	238	47.9	48.2	48.5	48.6	-	39.8	40.3	40.2	40.4	-
Misc. fabricated textile products .....	239	178.7	180.8	179.7	181.2	-	147.8	149.8	147.8	149.6	-
Curtains and draperies .....	2391	26.2	26.7	26.1	26.3	-	21.6	22.0	21.3	21.5	-
House furnishings, nec .....	2392	52.3	53.5	52.4	53.2	-	44.3	45.4	44.7	45.4	-
Automotive and apparel trimmings .....	2396	32.8	33.2	31.9	32.8	-	27.3	27.5	26.1	27.2	-
Paper and allied products .....	26	669.2	670.7	690.6	685.3	685.9	501.4	502.8	518.6	514.4	516.6
Paper and pulp mills .....	261,2,6	201.2	201.5	207.6	204.4	-	151.5	151.7	156.7	153.1	-
Paper mills, except building paper .....	262	175.3	175.3	181.4	178.3	-	130.5	130.3	135.2	131.8	-
Paperboard mills .....	263	58.6	59.1	59.7	59.1	-	45.1	45.3	45.8	45.4	-
Misc. converted paper products .....	264	215.2	215.9	226.3	223.8	-	156.1	156.5	164.5	162.9	-
Paper coating and glazing .....	2641	55.9	55.8	58.8	58.4	-	36.2	36.0	38.2	37.6	-
Envelopes .....	2642	24.8	25.1	25.5	25.7	-	19.3	19.4	19.7	19.9	-
Bags, except textile bags .....	2643	47.8	48.1	49.1	49.4	-	37.1	37.6	38.3	38.7	-
Paperboard containers and boxes .....	265	194.2	194.2	197.0	198.0	-	148.7	149.3	151.6	153.0	-
Folding paperboard boxes .....	2651	41.5	41.5	41.3	41.6	-	32.5	32.5	32.4	32.8	-
Corrugated and solid fiber boxes .....	2653	99.8	100.3	102.6	102.7	-	74.6	75.1	78.9	77.2	-
Sanitary food containers .....	2654	23.3	22.8	23.4	23.1	-	18.9	18.8	19.4	19.1	-
Printing and publishing .....	27	1,302.2	1,310.9	1,367.1	1,372.5	1,377.8	714.0	719.9	752.6	758.7	759.6
Newspapers .....	271	431.3	434.3	443.8	445.4	-	161.7	163.4	167.1	168.5	-
Periodicals .....	272	100.0	100.4	105.2	104.8	-	21.8	21.9	24.3	24.2	-
Books .....	273	94.5	94.7	101.1	100.7	-	45.5	45.3	48.8	48.1	-
Book publishing .....	2731	70.4	71.1	74.7	74.9	-	26.1	26.4	27.4	27.4	-
Book printing .....	2732	24.1	23.6	26.4	25.8	-	19.4	18.9	21.4	20.7	-
Miscellaneous publishing .....	274	53.7	53.2	56.3	56.1	-	28.8	28.6	30.4	30.3	-
Commercial printing .....	275	440.4	444.5	469.7	474.0	-	323.1	326.4	343.4	348.1	-
Commercial printing, letterpress .....	2751	151.7	152.5	163.0	163.2	-	113.0	113.6	120.8	121.6	-
Commercial printing, lithographic .....	2752	264.4	267.7	281.4	285.3	-	190.7	193.5	202.3	205.9	-
Manifold business forms .....	276	47.8	48.1	48.4	48.7	-	33.0	33.3	33.4	33.8	-
Blankbooks and bookbinding .....	278	66.1	66.6	70.7	70.7	-	53.5	54.0	57.2	57.4	-
Printing trade services .....	279	44.6	45.0	46.0	46.4	-	33.2	33.5	33.5	34.1	-
Chemicals and allied products .....	28	1,048.9	1,047.0	1,071.5	1,064.7	1,062.2	582.0	580.7	593.4	590.4	589.5
Industrial inorganic chemicals .....	281	154.2	154.1	158.0	158.0	-	77.5	77.6	79.8	79.9	-
Industrial inorganic chemicals, nec .....	2819	104.6	104.8	108.4	108.8	-	53.8	53.9	55.9	56.4	-
Plastics materials and synthetics .....	282	176.9	176.4	178.1	175.6	-	115.1	114.6	117.5	115.7	-
Plastics materials and resins .....	2821	74.7	74.8	78.1	76.8	-	43.4	43.4	46.3	45.4	-
Organic fibers, noncellulosic .....	2824	72.0	71.6	70.0	69.2	-	50.5	50.2	49.3	48.6	-
Drugs .....	283	200.3	200.0	201.6	199.2	-	97.5	97.7	91.9	90.6	-
Pharmaceutical preparations .....	2834	158.5	158.2	161.4	159.7	-	75.6	75.8	74.4	74.0	-
Soap, cleaners, and toilet goods .....	284	146.7	144.9	151.5	151.6	-	92.8	91.1	97.7	98.4	-
Soap and other detergents .....	2841	43.6	43.4	43.9	43.7	-	28.5	28.3	28.8	28.9	-
Toilet preparations .....	2844	65.4	63.7	69.3	69.9	-	43.7	42.1	47.7	48.5	-
Polishing, sanitation, and finishing preparations .....	2842,3	37.7	37.8	38.3	38.0	-	20.6	20.7	21.2	21.0	-
Paints and allied products .....	285	60.7	60.6	63.2	62.2	-	29.9	29.7	31.3	30.6	-
Industrial organic chemicals .....	286	161.4	161.4	164.4	163.9	-	82.6	82.7	83.4	83.7	-
Cyclic crudes and intermediates .....	2865	33.2	33.2	33.3	33.1	-	19.8	19.8	20.1	20.0	-
Gum, wood, and industrial organic chemicals, nec .....	2861,9	128.2	128.2	131.1	130.8	-	62.8	62.9	63.3	63.7	-
Agricultural chemicals .....	287	58.2	58.7	60.1	59.8	-	34.7	35.1	37.0	36.7	-
Miscellaneous chemical products .....	289	90.5	90.9	94.6	94.4	-	51.9	52.2	54.8	54.8	-
Petroleum and coal products .....	29	196.2	194.7	190.5	188.1	187.3	118.6	117.5	112.4	112.0	114.6
Petroleum refining .....	291	156.3	155.4	150.8	148.6	-	89.7	88.9	83.8	83.2	-
Paving and roofing materials .....	295	28.7	28.1	28.2	28.1	-	21.9	21.6	21.4	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 <sup>1</sup>				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
Rubber and misc. plastics products .....	30	744.7	752.3	804.3	808.6	810.1	580.3	586.7	626.0	629.8	632.1
Tires and inner tubes .....	301	96.4	96.9	102.3	102.9	-	69.1	69.6	72.0	72.5	-
Rubber and plastics footwear .....	302	17.2	16.3	17.1	16.8	-	14.4	13.6	14.7	14.5	-
Reclaimed rubber, and rubber and plastics hose and belting .....	303,4	21.2	21.7	23.7	23.7	-	14.8	15.3	15.8	16.0	-
Fabricated rubber products, nec .....	306	103.6	105.0	109.3	109.7	-	79.9	81.0	84.3	84.8	-
Miscellaneous plastics products .....	307	506.3	512.4	551.9	555.5	-	402.1	407.2	439.2	442.0	-
Leather and leather products .....	31	213.7	213.5	201.9	199.1	196.2	179.6	179.5	169.0	165.7	163.3
Leather tanning and finishing .....	311	19.5	19.3	17.3	17.2	-	16.3	16.1	14.4	14.2	-
Footwear, except rubber .....	314	129.2	128.3	120.5	117.5	-	110.6	109.8	102.8	99.8	-
Men's footwear, except athletic .....	3143	52.8	52.2	50.5	49.0	-	43.0	42.5	41.3	39.7	-
Women's footwear, except athletic .....	3144	48.2	48.1	45.3	44.3	-	42.9	42.9	39.7	38.8	-
Luggage .....	316	12.7	12.8	12.3	12.1	-	9.3	9.5	9.2	9.0	-
Handbags and personal leather goods .....	317	29.4	29.8	28.6	28.5	-	24.3	24.7	23.4	23.0	-
<b>Transportation and public utilities .....</b>		<b>5,095</b>	<b>5,098</b>	<b>5,220</b>	<b>5,263</b>	<b>5,285</b>	<b>4,201</b>	<b>4,203</b>	<b>4,306</b>	<b>4,341</b>	<b>4,361</b>
Transportation .....		2,815	2,821	2,924	2,986	3,014	-	-	-	-	-
Railroad transportation .....	40	385.0	385.6	378.0	377.0	-	-	-	-	-	-
Class I railroads <sup>2</sup> .....	4011	355.4	356.0	348.8	348.5	-	-	-	-	-	-
Local and interurban passenger transit .....	41	263.9	269.4	218.6	271.6	-	245.3	250.3	199.7	250.6	-
Local and suburban transportation .....	411	78.5	78.9	80.7	81.4	-	72.3	72.6	73.7	74.4	-
Taxicabs .....	412	38.8	38.8	37.8	37.9	-	-	-	-	-	-
Intercity highway transportation .....	413	40.1	38.5	38.8	39.8	-	36.9	35.0	35.9	36.9	-
School buses .....	415	86.9	92.5	42.4	92.2	-	-	-	-	-	-
Trucking and warehousing .....	42	1,254.2	1,264.1	1,329.3	1,334.6	-	1,093.1	1,103.9	1,160.8	1,164.1	-
Trucking and trucking terminals .....	421,3	1,168.0	1,171.9	1,241.3	1,244.8	-	1,020.8	1,025.8	1,087.2	1,089.2	-
Public warehousing .....	422	86.2	92.2	88.0	89.8	-	72.3	78.1	73.6	74.9	-
Water transportation .....	44	198.8	196.2	231.0	231.8	-	-	-	-	-	-
Local water transportation .....	445	30.0	29.1	31.7	31.3	-	-	-	-	-	-
Water transportation services .....	446	101.3	99.3	130.0	130.9	-	-	-	-	-	-
Transportation by air .....	45	462.2	455.4	490.5	492.1	-	-	-	-	-	-
Air transportation .....	451,2	407.3	399.9	428.9	429.5	-	-	-	-	-	-
Air transportation services .....	458	54.9	55.5	61.6	62.6	-	-	-	-	-	-
Pipe lines, except natural gas .....	46	20.4	20.3	21.3	21.1	-	14.5	14.4	15.1	14.9	-
Transportation services .....	47	230.0	230.3	254.9	257.5	-	-	-	-	-	-
Freight forwarding .....	471	53.4	54.8	62.8	64.7	-	-	-	-	-	-
Communication and public utilities .....		2,281	2,277	2,296	2,277	2,271	-	-	-	-	-
Communication .....	48	1,394.2	1,392.2	1,393.2	1,385.1	-	1,059.9	1,057.3	1,054.8	1,047.4	-
Telephone communication .....	481	1,014.6	1,012.5	985.6	978.7	-	756.2	754.5	732.2	725.4	-
Radio and television broadcasting .....	483	226.2	225.5	231.4	231.4	-	181.9	181.4	186.5	187.0	-
Radio broadcasting .....	4832	111.1	110.8	111.8	111.4	-	-	-	-	-	-
Television broadcasting .....	4833	115.1	114.7	119.6	120.0	-	-	-	-	-	-
Electric, gas, and sanitary services .....	49	886.7	884.5	902.6	891.7	-	707.7	705.3	720.3	707.9	-
Electric services .....	491	432.9	431.7	445.9	442.0	-	341.5	339.7	349.1	344.5	-
Gas production and distribution .....	492	172.3	172.4	175.0	171.4	-	137.4	137.4	138.5	134.6	-
Combination utility services .....	493	204.0	203.1	200.5	198.4	-	161.3	160.9	162.4	159.9	-
Sanitary services .....	495	53.9	54.0	56.9	56.0	-	48.2	48.3	50.2	49.3	-
<b>Wholesale trade .....</b>		<b>5,317</b>	<b>5,344</b>	<b>5,571</b>	<b>5,602</b>	<b>5,637</b>	<b>4,277</b>	<b>4,300</b>	<b>4,493</b>	<b>4,522</b>	<b>4,552</b>
Durable goods .....	50	3,098	3,118	3,291	3,295	3,312	2,469	2,485	2,640	2,643	-
Motor vehicles and automotive equipment .....	501	404.1	404.1	421.8	422.1	-	317.3	318.1	339.6	339.6	-
Automobiles and other motor vehicles .....	5012	96.6	96.4	103.1	103.8	-	-	-	-	-	-
Automotive parts and supplies .....	5013	273.7	273.5	284.6	284.0	-	-	-	-	-	-

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 <sup>1</sup>				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Wholesale trade—Continued</b>											
<b>Durable goods—Continued</b>											
Furniture and home furnishings .....	502	113.4	114.5	119.6	120.6	-	93.5	94.4	100.4	101.4	-
Furniture .....	5021	48.4	48.5	50.3	50.5	-	-	-	-	-	-
Home furnishings .....	5023	65.0	66.0	69.3	70.1	-	-	-	-	-	-
Lumber and construction materials .....	503	194.3	195.3	205.2	206.2	-	160.6	161.6	170.8	171.4	-
Lumber, plywood, and millwork .....	5031	86.8	87.5	95.6	95.4	-	-	-	-	-	-
Construction materials, nec .....	5039	107.5	107.8	109.6	110.8	-	-	-	-	-	-
Sporting goods, toys, and hobby goods .....	504	72.3	72.0	73.3	73.2	-	58.1	57.8	61.2	61.3	-
Metals and minerals, except petroleum .....	505	128.4	128.8	133.5	133.5	-	102.6	102.5	107.5	107.9	-
Electrical goods .....	506	443.7	447.5	471.0	472.1	-	352.5	356.4	373.8	375.3	-
Electrical apparatus and equipment .....	5063	238.5	240.2	249.9	251.0	-	-	-	-	-	-
Electrical appliances, TV and radios .....	5064	71.0	71.7	72.9	72.6	-	-	-	-	-	-
Electronic parts and equipment .....	5065	134.2	135.6	148.2	148.5	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	236.6	238.7	250.5	249.9	-	191.7	193.5	203.2	202.4	-
Hardware .....	5072	80.1	80.4	83.7	83.7	-	-	-	-	-	-
Plumbing and hydronic heating supplies .....	5074	98.1	99.5	104.3	104.5	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	1,321.0	1,328.9	1,421.8	1,421.4	-	1,040.4	1,045.3	1,121.8	1,120.3	-
Commercial machines and equipment .....	5081	447.6	452.1	490.1	491.8	-	-	-	-	-	-
Construction and mining machinery .....	5082	73.8	74.2	80.6	80.8	-	-	-	-	-	-
Farm machinery and equipment .....	5083	136.4	135.8	141.3	139.9	-	-	-	-	-	-
Industrial machinery and equipment .....	5084	290.7	294.1	314.1	313.9	-	-	-	-	-	-
Industrial supplies .....	5085	125.7	125.7	135.9	135.9	-	-	-	-	-	-
Professional equipment and supplies .....	5086	150.0	149.7	158.8	158.4	-	-	-	-	-	-
Miscellaneous durable goods .....	509	184.6	187.8	194.6	196.4	-	152.7	155.8	162.0	163.4	-
Scrap and waste materials .....	5093	86.0	87.0	93.5	93.4	-	-	-	-	-	-
<b>Nondurable goods .....</b>	<b>51</b>	<b>2,219</b>	<b>2,226</b>	<b>2,280</b>	<b>2,307</b>	<b>2,325</b>	<b>1,808</b>	<b>1,815</b>	<b>1,853</b>	<b>1,879</b>	<b>-</b>
Paper and paper products .....	511	163.5	165.1	174.0	173.4	-	133.1	134.5	141.6	140.9	-
Drugs, proprietaries, and sundries .....	512	153.9	154.5	154.5	155.3	-	128.9	128.9	127.7	128.5	-
Apparel, piece goods, and notions .....	513	171.9	173.1	178.9	178.6	-	129.5	129.5	132.8	132.6	-
Groceries and related products .....	514	695.5	698.7	725.1	731.5	-	600.2	603.3	623.0	630.0	-
Groceries, general line .....	5141	220.8	220.9	232.1	232.6	-	-	-	-	-	-
Meats and meat products .....	5147	63.8	64.4	64.8	65.1	-	-	-	-	-	-
Fresh fruits and vegetables .....	5148	92.4	92.6	89.4	95.5	-	-	-	-	-	-
Chemicals and allied products .....	516	122.7	123.7	128.3	127.5	-	85.6	86.6	89.2	88.4	-
Petroleum and petroleum products .....	517	210.2	207.0	207.7	206.8	-	155.3	152.7	155.3	154.4	-
Petroleum bulk stations and terminals .....	5171	83.4	81.0	83.6	82.8	-	-	-	-	-	-
Petroleum products, nec .....	5172	126.8	126.0	124.1	124.0	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	148.8	148.8	155.6	154.2	-	125.2	125.3	130.4	128.8	-
Beer and ale .....	5181	92.5	92.6	98.6	96.8	-	-	-	-	-	-
Wines and distilled beverages .....	5182	56.3	56.2	57.0	57.4	-	-	-	-	-	-
Miscellaneous nondurable goods .....	519	403.1	401.7	409.1	416.8	-	326.6	325.1	332.4	340.0	-
Farm supplies .....	5191	150.3	148.9	154.6	158.2	-	-	-	-	-	-
<b>Retail trade .....</b>	<b>52</b>	<b>15,804</b>	<b>15,802</b>	<b>16,409</b>	<b>16,486</b>	<b>16,543</b>	<b>14,187</b>	<b>14,177</b>	<b>14,694</b>	<b>14,749</b>	<b>14,797</b>
Building materials and garden supplies .....	52	632.1	631.1	666.1	659.7	-	532.8	531.8	564.5	557.4	-
Lumber and other building materials .....	521	335.5	335.3	354.3	349.9	-	285.3	285.0	302.9	297.8	-
Hardware stores .....	525	149.5	149.9	157.4	156.9	-	126.7	127.1	133.5	132.6	-
General merchandise stores .....	53	2,139.7	2,186.0	2,259.5	2,283.0	2,359.7	2,002.7	2,048.9	2,112.5	2,126.5	-
Department stores .....	531	1,807.4	1,847.8	1,920.0	1,940.6	-	1,702.9	1,743.6	1,808.9	1,821.0	-
Variety stores .....	533	211.0	215.2	211.9	213.9	-	194.1	198.2	192.7	193.9	-
Misc. general merchandise stores .....	539	121.3	123.0	127.6	128.5	-	105.7	107.1	110.9	111.6	-
Food stores .....	54	2,581.0	2,595.2	2,642.4	2,662.8	2,684.2	2,398.9	2,413.4	2,453.9	2,475.3	-
Grocery stores .....	541	2,262.0	2,271.5	2,324.8	2,340.3	-	2,112.4	2,121.7	2,169.8	2,186.1	-
Meat markets and freezer provisioners .....	542	58.7	58.5	55.9	57.5	-	-	-	-	-	-
Dairy products stores .....	545	38.5	38.5	39.8	39.0	-	-	-	-	-	-
Retail bakeries .....	546	143.7	144.8	147.9	151.1	-	131.3	132.6	133.6	136.9	-
Automotive dealers and service stations .....	55	1,699.4	1,701.6	1,778.6	1,769.7	1,770.5	1,432.6	1,434.6	1,496.0	1,484.6	-
New and used car dealers .....	551,2	777.5	780.5	826.1	825.9	-	640.4	643.7	681.4	680.5	-
Auto and home supply stores .....	553	278.3	279.6	289.4	288.0	-	240.3	241.5	243.1	241.3	-
Gasoline service stations .....	554	567.5	566.9	578.3	575.1	-	490.5	489.5	503.4	498.9	-

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 <sup>1</sup>				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Retail trade—Continued</b>											
Apparel and accessory stores .....	56	950.5	958.4	970.0	966.5	-	802.4	811.1	816.5	811.8	-
Men's and boys' clothing and furnishings .....	561	113.3	114.9	111.3	110.6	-	94.9	96.2	92.4	91.8	-
Women's ready-to-wear stores .....	562	345.8	349.0	358.8	357.1	-	293.0	297.8	303.9	302.7	-
Family clothing stores .....	565	173.9	175.8	180.2	179.5	-	151.9	153.4	156.7	155.9	-
Shoe stores .....	566	207.3	206.4	208.2	205.8	-	168.4	168.0	170.3	166.4	-
Furniture and home furnishings stores .....	57	612.9	622.9	660.2	664.9	-	511.9	522.3	550.0	555.2	-
Furniture and home furnishings stores .....	571	364.8	370.5	381.9	383.5	-	304.0	309.9	318.2	320.2	-
Furniture stores .....	5712	234.5	237.8	246.0	245.7	-	-	-	-	-	-
Household appliance stores .....	572	79.9	81.9	81.8	81.7	-	68.4	70.3	68.5	69.0	-
Radio, television, and music stores .....	573	168.2	170.5	196.5	199.7	-	139.5	142.1	163.3	166.0	-
Radio and television stores .....	5732	110.2	112.5	133.0	135.7	-	-	-	-	-	-
Music stores .....	5733	58.0	58.0	63.5	64.0	-	-	-	-	-	-
Eating and drinking places .....	58	5,206.7	5,093.6	5,400.8	5,410.8	5,302.6	4,789.9	4,670.0	4,952.8	4,958.8	-
Miscellaneous retail .....	59	1,981.6	2,012.9	2,031.3	2,069.0	-	1,715.7	1,745.3	1,748.1	1,779.6	-
Drug stores and proprietary stores .....	591	505.2	507.0	536.0	540.9	-	448.3	448.7	470.5	474.7	-
Liquor stores .....	592	125.0	127.3	120.4	121.7	-	-	-	-	-	-
Miscellaneous shopping goods stores .....	594	646.8	659.8	654.7	675.0	-	552.4	566.6	560.2	578.8	-
Sporting goods and bicycle shops .....	5941	111.9	114.3	112.2	117.5	-	-	-	-	-	-
Book stores .....	5942	64.9	64.5	60.6	69.6	-	-	-	-	-	-
Stationery stores .....	5943	63.9	64.4	67.7	68.0	-	-	-	-	-	-
Jewelry stores .....	5944	139.8	143.6	135.0	139.9	-	-	-	-	-	-
Gift, novelty, and souvenir shops .....	5947	114.8	113.5	120.8	117.5	-	-	-	-	-	-
Sewing, needlework, and piece goods .....	5949	62.1	64.4	66.5	68.4	-	-	-	-	-	-
Nonstore retailers .....	596	255.2	262.6	252.1	261.1	-	234.0	241.3	228.1	235.7	-
Mail order houses .....	5961	124.8	130.1	119.1	125.2	-	-	-	-	-	-
Merchandising machine operators .....	5962	79.8	80.3	82.8	83.5	-	-	-	-	-	-
Fuel and ice dealers .....	598	99.1	101.6	102.7	104.5	-	81.3	83.7	85.0	86.5	-
Retail stores, nec .....	599	283.5	286.6	292.0	293.0	-	236.6	239.7	241.2	241.3	-
<b>Finance, insurance, and real estate<sup>3</sup></b> .....		<b>5,522</b>	<b>5,508</b>	<b>5,760</b>	<b>5,707</b>	<b>5,709</b>	<b>4,108</b>	<b>4,097</b>	<b>4,297</b>	<b>4,238</b>	<b>4,240</b>
Finance .....		2,768	2,770	2,881	2,863	2,872	-	-	-	-	-
Banking .....	60	1,666.2	1,664.2	1,702.8	1,687.8	-	1,239.9	1,236.8	1,266.0	1,248.5	-
Commercial and stock savings banks .....	602	1,511.4	1,508.6	1,547.6	1,533.7	-	1,119.9	1,116.0	1,143.9	1,127.4	-
State banks, Federal Reserve .....	6022	333.0	332.4	340.8	338.3	-	-	-	-	-	-
State banks, not Federal Reserve .....	6023.4	379.9	378.6	390.5	386.0	-	-	-	-	-	-
Mutual savings banks .....	603	74.9	75.4	78.5	77.5	-	-	-	-	-	-
Credit agencies other than banks .....	61	642.1	644.3	692.4	690.8	-	489.3	490.7	528.8	525.6	-
Savings and loan associations .....	612	298.7	300.2	318.4	317.5	-	230.5	231.2	245.6	243.9	-
Federal savings and loan associations .....	6122	172.6	173.7	183.5	182.6	-	-	-	-	-	-
State associations, insured .....	6123	117.3	117.7	125.4	125.4	-	-	-	-	-	-
Personal credit institutions .....	614	201.1	201.5	213.0	212.4	-	153.6	154.2	164.3	163.5	-
Business credit institutions .....	615	36.3	36.0	39.6	39.7	-	-	-	-	-	-
Mortgage bankers and brokers .....	616	82.8	83.5	97.2	97.2	-	-	-	-	-	-
Security, commodity brokers, and services .....	62	321.6	322.8	343.7	343.0	-	-	-	-	-	-
Security brokers and dealers .....	621	263.0	264.0	280.3	280.1	-	-	-	-	-	-
Holding and other investment offices .....	67	137.7	139.0	142.4	141.2	-	-	-	-	-	-
Insurance .....		1,722	1,722	1,768	1,763	1,768	-	-	-	-	-
Insurance carriers .....	63	1,233.7	1,234.7	1,251.6	1,247.2	-	830.1	830.5	849.9	846.8	-
Life insurance .....	631	540.2	540.3	537.7	535.5	-	321.9	322.3	327.1	325.9	-
Medical service and health insurance .....	632	146.2	146.4	155.7	156.2	-	116.8	117.2	124.8	125.4	-
Fire, marine, and casualty insurance .....	633	469.6	469.5	474.6	472.6	-	329.2	328.4	331.6	330.0	-
Title insurance .....	636	43.2	43.8	46.1	45.4	-	-	-	-	-	-
Insurance agents, brokers, and service .....	64	488.4	487.7	515.9	516.0	-	-	-	-	-	-

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 <sup>1</sup>				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Finance, insurance, and real estate—Continued</b>											
Real estate, and combined real estate, insurance, etc ....		1,033	1,016	1,111	1,081	1,069	-	-	-	-	-
Real estate .....	65	1,017.4	1,000.2	1,094.6	1,064.7	-	-	-	-	-	
Real estate operators and lessors .....	651	492.8	485.0	519.0	502.6	-	-	-	-	-	
Real estate agents and managers .....	653	372.5	366.9	407.2	399.4	-	-	-	-	-	
Subdividers and developers .....	655	127.9	124.1	140.6	134.9	-	-	-	-	-	
Combined real estate, insurance, etc .....	66	15.1	15.3	16.2	16.3	-	-	-	-	-	
<b>Services .....</b>		<b>19,963</b>	<b>20,027</b>	<b>20,893</b>	<b>20,953</b>	<b>21,061</b>	<b>17,701</b>	<b>17,745</b>	<b>18,490</b>	<b>18,541</b>	<b>18,642</b>
Hotels and other lodging places .....	70	1,211.2	1,181.8	1,398.6	1,313.0	-	-	-	-	-	
Hotels, motels, and tourist courts .....	701	1,170.3	1,150.4	1,317.1	1,269.9	-	1,065.6	1,044.2	1,194.7	1,151.1	
Personal services .....	72	944.3	954.0	977.3	991.7	-	-	-	-	-	
Laundry, cleaning, and garment services .....	721	350.7	352.2	358.0	360.9	-	311.2	313.2	319.2	322.2	
Photographic studios, portrait .....	722	53.4	57.1	54.4	58.6	-	-	-	-	-	
Beauty shops .....	723	301.5	302.7	318.5	322.6	-	278.2	279.0	289.2	291.7	
Funeral service and crematories .....	726	72.4	72.4	72.8	73.1	-	-	-	-	-	
Business services .....	73	3,665.2	3,713.9	4,105.5	4,116.6	4,157.5	3,187.8	3,227.8	3,590.6	3,598.3	
Advertising .....	731	172.5	172.6	177.5	177.2	-	130.1	130.7	134.5	133.6	
Advertising agencies .....	7311	130.8	131.0	135.6	135.1	-	-	-	-	-	
Credit reporting and collection .....	732	75.9	75.7	80.1	80.1	-	-	-	-	-	
Mailing, reproduction, and stenographic .....	733	148.0	153.5	157.2	161.2	-	-	-	-	-	
Services to buildings .....	734	570.0	572.6	621.9	624.1	-	519.3	520.9	567.3	569.9	
Personnel supply services .....	736	691.4	708.2	860.9	869.7	-	-	-	-	-	
Employment agencies .....	7361	141.6	142.8	169.2	173.3	-	-	-	-	-	
Temporary help supply services .....	7362	518.6	533.7	655.2	659.5	-	-	-	-	-	
Computer and data processing services .....	737	425.2	434.3	482.3	482.7	-	356.7	363.8	404.1	401.8	
Computer programming and software .....	7372	142.8	143.8	159.0	159.8	-	-	-	-	-	
Data processing services .....	7374	220.3	226.4	252.7	252.3	-	-	-	-	-	
Miscellaneous business services .....	739	1,574.3	1,589.2	1,717.7	1,713.8	-	-	-	-	-	
Research development laboratories, nec .....	7391	173.7	174.2	185.4	185.4	-	-	-	-	-	
Management and public relations .....	7392	408.8	416.6	455.4	450.4	-	-	-	-	-	
Detective and protective services .....	7393	370.8	372.0	392.2	395.5	-	-	-	-	-	
Equipment rental and leasing .....	7394	135.2	135.6	148.0	147.8	-	-	-	-	-	
Photofinishing laboratories .....	7395	80.8	80.5	81.3	81.9	-	-	-	-	-	
Auto repair, services, and garages .....	75	629.4	630.3	687.9	692.5	-	530.5	532.5	580.4	584.9	
Automotive rentals, without drivers .....	751	128.0	126.4	136.1	136.4	-	-	-	-	-	
Automotive repair shops .....	753	389.1	389.7	425.8	426.9	-	323.8	325.3	354.5	355.3	
Miscellaneous repair services .....	76	291.8	292.1	308.0	310.8	-	243.4	242.8	257.6	260.3	
Electrical repair shops .....	762	86.9	87.0	86.8	86.2	-	-	-	-	-	
Motion pictures .....	78	225.1	218.2	230.9	223.8	-	195.0	187.4	199.3	192.4	
Motion picture production and services .....	781	103.0	104.3	101.9	104.0	-	87.2	87.4	84.6	86.8	
Motion picture theaters .....	783	111.4	103.1	118.8	109.4	-	-	-	-	-	
Amusement and recreation services .....	79	890.5	798.4	967.2	892.3	-	813.5	722.5	880.6	805.8	
Health services .....	80	6,009.1	6,012.3	6,058.3	6,091.7	6,108.4	5,400.4	5,399.3	5,421.4	5,448.9	
Offices of physicians .....	801	877.0	873.1	917.6	914.8	-	735.9	732.6	769.5	765.7	
Offices of dentists .....	802	412.8	415.8	435.8	436.2	-	364.9	367.3	386.0	385.8	
Nursing and personal care facilities .....	805	1,124.2	1,124.5	1,146.6	1,162.5	-	1,017.8	1,017.8	1,038.1	1,051.7	
Skilled nursing care facilities .....	8051	719.6	720.4	737.3	744.0	-	-	-	-	-	
Nursing and personal care, nec .....	8059	404.6	404.1	409.3	418.5	-	-	-	-	-	
Hospitals .....	806	3,037.2	3,035.3	2,957.6	2,974.9	-	2,783.3	2,779.6	2,700.7	2,717.0	
General medical and surgical hospitals .....	8062	2,873.3	2,871.1	2,788.7	2,807.3	-	-	-	-	-	
Psychiatric hospitals .....	8063	48.1	48.1	50.4	49.8	-	-	-	-	-	
Specialty hospitals, excluding psychiatric .....	8069	115.8	116.1	118.5	117.8	-	-	-	-	-	
Medical and dental laboratories .....	807	110.0	110.4	109.3	109.1	-	-	-	-	-	
Outpatient care facilities .....	808	179.4	181.9	193.1	192.9	-	-	-	-	-	

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 <sup>1</sup>				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Services—Continued</b>											
Legal services .....	81	606.4	611.5	664.1	653.4	-	510.7	513.8	565.1	553.6	-
Educational services .....	82	1,184.5	1,299.7	1,012.7	1,187.8	-	-	-	-	-	-
Elementary and secondary schools .....	821	330.2	342.0	290.2	342.7	-	-	-	-	-	-
Colleges and universities .....	822	736.9	835.0	601.3	723.7	-	-	-	-	-	-
Correspondence and vocational schools .....	824	53.8	56.4	57.5	57.4	-	-	-	-	-	-
Social services .....	83	1,236.5	1,250.5	1,296.1	1,320.3	-	-	-	-	-	-
Individual and family services .....	832	262.1	268.0	305.6	305.3	-	-	-	-	-	-
Job training and related services .....	833	196.9	197.2	210.8	205.6	-	-	-	-	-	-
Residential care .....	836	252.2	253.0	264.9	265.0	-	-	-	-	-	-
Museums, botanical and zoological gardens .....	84	39.2	38.9	44.1	43.1	-	-	-	-	-	-
Membership organizations .....	86	1,500.4	1,505.5	1,505.9	1,494.4	-	-	-	-	-	-
Business associations .....	861	83.8	84.0	87.0	86.8	-	-	-	-	-	-
Labor organizations .....	863	134.5	135.5	130.7	138.2	-	-	-	-	-	-
Civic and social associations .....	864	313.2	319.1	347.9	319.9	-	-	-	-	-	-
Miscellaneous services .....	89	1,068.8	1,070.6	1,152.5	1,146.5	-	878.0	879.2	950.9	943.8	-
Engineering and architectural services .....	891	578.9	579.3	634.6	632.7	-	484.9	484.1	537.1	534.6	-
Noncommercial research organizations .....	892	108.5	108.2	112.8	108.5	-	-	-	-	-	-
Accounting, auditing, and bookkeeping .....	893	360.6	362.4	383.9	384.3	-	284.7	287.2	302.3	301.7	-
<b>Government</b> .....		15,584	15,968	15,099	15,713	16,200	-	-	-	-	-
<b>Federal Government<sup>4</sup></b> .....		2,745	2,742	2,818	2,757	2,755	-	-	-	-	-
Executive, by agency <sup>4</sup> .....		2,689.3	2,686.5	-	-	-	-	-	-	-	-
Department of Defense .....		940.0	944.5	-	-	-	-	-	-	-	-
Postal Service .....		660.1	665.8	-	-	-	-	-	-	-	-
Other executive agencies .....		1,089.2	1,076.2	-	-	-	-	-	-	-	-
Legislative .....		39.1	39.3	-	-	-	-	-	-	-	-
Judicial .....		16.4	16.3	-	-	-	-	-	-	-	-
<b>Federal government, by industry:</b>											
Manufacturing activities .....		135.5	135.4	136.9	136.1	-	-	-	-	-	-
Shipbuilding and repairing .....	3731	82.8	82.6	82.6	81.9	-	-	-	-	-	-
Transportation and public utilities, except Postal Service .....		40.7	40.0	38.2	38.1	-	-	-	-	-	-
Services .....		410.2	405.9	413.1	409.9	-	-	-	-	-	-
Hospitals .....	806	237.3	237.5	240.4	240.2	-	-	-	-	-	-
State government .....		3,600	3,747	3,513	3,658	3,820	-	-	-	-	-
Hospitals .....	806	466.5	466.5	470.0	469.6	-	-	-	-	-	-
Education .....	82	1,398.0	1,570.4	1,238.1	1,421.1	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions .....		1,134.2	1,117.9	1,175.6	1,154.2	-	-	-	-	-	-
Local government .....		9,238	9,479	8,768	9,298	9,625	-	-	-	-	-
Transportation and public utilities .....		493.6	492.2	507.8	502.6	-	-	-	-	-	-
Hospitals .....	806	644.6	643.5	625.9	622.4	-	-	-	-	-	-
Education .....	82	4,933.6	5,260.2	4,227.4	5,009.2	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions .....		2,855.2	2,799.8	3,061.6	2,876.9	-	-	-	-	-	-

<sup>1</sup> 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.

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

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

<sup>4</sup> 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.

<sup>P</sup> = 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  
WOMEN EMPLOYEES  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	July 1983	Aug. 1983	June 1984	July 1984	Aug. 1984
<b>Total</b> .....	39,243	39,097	41,940	41,247	41,407
<b>Total private</b> .....	32,238	32,153	34,104	34,042	34,260
<b>Goods-producing</b> .....	6,451	6,586	6,968	6,899	7,022
<b>Mining</b> .....	118	118	121	123	124
<b>Construction</b> .....	397	399	428	433	439
<b>Manufacturing</b> .....	5,936	6,069	6,419	6,343	6,459
<b>Durable goods</b> .....	2,788	2,814	3,098	3,073	3,106
Lumber and wood products .....	99	100	109	108	110
Furniture and fixtures .....	132	134	145	142	144
Stone, clay, and glass products .....	112	113	119	117	119
Primary metal industries .....	97	98	107	105	107
Fabricated metal products .....	296	302	327	324	328
Machinery, except electrical .....	446	449	493	492	492
Electrical and electronic equipment .....	850	852	972	965	976
Transportation equipment .....	296	295	336	336	337
Instruments and related products .....	293	297	313	311	313
Miscellaneous manufacturing .....	168	173	178	173	182
<b>Nondurable goods</b> .....	3,148	3,255	3,321	3,270	3,353
Food and kindred products .....	514	545	497	527	553
Tobacco manufactures .....	21	24	21	21	24
Textile mill products .....	349	360	363	354	359
Apparel and other textile products .....	910	949	988	932	968
Paper and allied products .....	153	156	163	163	164
Printing and publishing .....	528	530	566	566	568
Chemicals and allied products .....	276	276	285	286	288
Petroleum and coal products .....	30	30	30	31	30
Rubber and misc. plastics products .....	251	260	283	276	281
Leather and leather products .....	116	126	124	115	120
<b>Service-producing</b> .....	32,792	32,511	34,972	34,348	34,385
<b>Transportation and public utilities</b> .....	1,327	1,022	1,410	1,396	1,403
<b>Wholesale trade</b> .....	1,447	1,459	1,546	1,551	1,559
<b>Retail trade</b> .....	7,898	7,955	8,348	8,352	8,419
<b>Finance, insurance, and real estate</b> .....	3,314	3,320	3,440	3,460	3,468
<b>Services</b> .....	11,801	11,811	12,392	12,384	12,389
<b>Government</b> .....	7,005	6,944	7,836	7,205	7,147
Federal .....	969	963	983	988	983
State .....	1,465	1,473	1,605	1,551	1,559
Local .....	4,571	4,508	5,248	4,666	4,605

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									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>	Oct. <sup>P</sup>
<b>Total</b> .....	91,345	91,688	92,026	92,391	92,846	93,058	93,449	93,786	94,135	94,350	94,523	94,754	95,195
<b>Total private</b> .....	75,481	75,814	76,157	76,533	76,971	77,185	77,546	77,864	78,241	78,422	78,566	78,694	79,108
<b>Goods-producing</b> .....	23,895	24,058	24,198	24,383	24,577	24,595	24,760	24,851	24,974	25,059	25,098	25,005	25,071
<b>Mining</b> .....	965	967	969	975	978	978	984	995	1,002	1,007	1,017	1,020	1,016
Oil and gas extraction .....	600	603	607	608	607	607	612	619	623	629	636	642	645
<b>Construction</b> .....	4,044	4,073	4,086	4,154	4,226	4,151	4,246	4,286	4,343	4,356	4,356	4,374	4,388
General building contractors .....	1,053	1,064	1,077	1,100	1,111	1,099	1,110	1,126	1,135	1,133	1,132	1,140	1,140
<b>Manufacturing</b> .....	18,886	19,018	19,143	19,254	19,373	19,466	19,530	19,570	19,629	19,696	19,725	19,611	19,667
<b>Durable goods</b> .....	11,071	11,170	11,266	11,343	11,440	11,519	11,551	11,598	11,652	11,702	11,758	11,690	11,748
Lumber and wood products .....	690	695	698	702	706	712	714	711	712	708	706	703	711
Furniture and fixtures .....	462	467	470	475	480	483	482	482	485	485	484	481	486
Stone, clay, and glass products .....	587	589	592	595	604	606	604	605	605	606	603	603	607
Primary metal industries .....	863	869	877	871	877	877	879	887	884	880	879	862	869
Blast furnaces and basic steel products .....	351	351	352	347	348	347	345	347	345	342	334	324	325
Fabricated metal products .....	1,408	1,420	1,431	1,440	1,447	1,456	1,459	1,469	1,479	1,490	1,491	1,485	1,494
Machinery, except electrical .....	2,077	2,106	2,122	2,137	2,151	2,166	2,189	2,203	2,226	2,242	2,252	2,241	2,256
Electrical and electronic equipment .....	2,086	2,109	2,132	2,152	2,175	2,202	2,212	2,228	2,237	2,252	2,267	2,263	2,264
Transportation equipment .....	1,820	1,832	1,855	1,876	1,898	1,905	1,905	1,906	1,917	1,926	1,961	1,940	1,943
Motor vehicles and equipment .....	810	823	843	858	865	863	857	848	855	858	894	864	865
Instruments and related products .....	702	705	707	711	715	718	719	722	723	727	726	725	729
Miscellaneous manufacturing .....	376	378	382	384	387	388	388	385	384	386	389	387	389
<b>Nondurable goods</b> .....	7,815	7,848	7,877	7,911	7,933	7,953	7,979	7,972	7,977	7,994	7,967	7,921	7,919
Food and kindred products .....	1,624	1,629	1,631	1,638	1,637	1,638	1,648	1,643	1,644	1,655	1,642	1,631	1,631
Tobacco manufactures .....	68	66	67	66	65	66	67	67	67	66	65	68	68
Textile mill products .....	758	760	762	768	767	769	766	762	759	755	751	744	735
Apparel and other textile products .....	1,186	1,195	1,202	1,207	1,213	1,218	1,226	1,217	1,209	1,206	1,200	1,180	1,176
Paper and allied products .....	669	671	675	676	680	680	680	681	685	687	686	681	685
Printing and publishing .....	1,311	1,317	1,321	1,328	1,333	1,339	1,348	1,356	1,362	1,368	1,371	1,375	1,378
Chemicals and allied products .....	1,049	1,050	1,052	1,053	1,054	1,054	1,057	1,057	1,062	1,064	1,067	1,063	1,063
Petroleum and coal products .....	192	192	191	191	190	190	189	188	188	187	187	186	185
Rubber and misc. plastics products .....	748	758	766	774	784	790	790	795	797	801	800	798	805
Leather and leather products .....	210	210	210	210	210	209	208	206	204	205	198	195	193
<b>Service-producing</b> .....	67,450	67,630	67,828	68,008	68,269	68,463	68,689	68,935	69,161	69,291	69,425	69,749	70,124
<b>Transportation and public utilities</b> .....	5,053	5,043	5,055	5,095	5,105	5,112	5,129	5,144	5,163	5,175	5,202	5,211	5,238
Transportation .....	2,776	2,763	2,776	2,816	2,828	2,839	2,862	2,871	2,883	2,896	2,924	2,936	2,967
Communication and public utilities .....	2,277	2,280	2,279	2,279	2,276	2,273	2,267	2,273	2,280	2,279	2,278	2,275	2,271
<b>Wholesale trade</b> .....	5,322	5,344	5,371	5,406	5,438	5,457	5,473	5,492	5,502	5,528	5,544	5,585	5,612
Durable goods .....	3,113	3,128	3,147	3,168	3,193	3,205	3,215	3,235	3,249	3,268	3,278	3,292	3,305
Nondurable goods .....	2,209	2,216	2,224	2,238	2,245	2,252	2,258	2,257	2,253	2,260	2,266	2,293	2,307
<b>Retail trade</b> .....	15,737	15,805	15,857	15,914	15,980	16,030	16,095	16,166	16,245	16,283	16,295	16,339	16,477
General merchandise stores .....	2,179	2,195	2,189	2,210	2,211	2,230	2,251	2,273	2,295	2,301	2,303	2,315	2,353
Food stores .....	2,587	2,594	2,600	2,618	2,626	2,626	2,635	2,630	2,641	2,648	2,640	2,650	2,676
Automotive dealers and service stations .....	1,695	1,703	1,710	1,725	1,740	1,748	1,743	1,751	1,751	1,762	1,758	1,754	1,763
Eating and drinking places .....	5,071	5,082	5,095	5,111	5,121	5,136	5,154	5,183	5,199	5,211	5,238	5,253	5,276
<b>Finance, insurance, and real estate</b> .....	5,512	5,530	5,546	5,573	5,593	5,613	5,640	5,662	5,676	5,676	5,679	5,684	5,712
Finance .....	2,769	2,777	2,789	2,797	2,812	2,831	2,851	2,863	2,858	2,854	2,850	2,857	2,869
Insurance .....	1,725	1,728	1,730	1,737	1,741	1,742	1,742	1,746	1,752	1,759	1,763	1,765	1,772
Real estate .....	1,018	1,025	1,027	1,039	1,040	1,041	1,047	1,053	1,066	1,063	1,066	1,062	1,071
<b>Services</b> .....	19,962	20,034	20,130	20,162	20,278	20,378	20,449	20,549	20,681	20,701	20,748	20,870	20,998
Business services .....	3,672	3,703	3,758	3,798	3,845	3,875	3,912	3,979	4,014	4,035	4,069	4,084	4,112
Health services .....	6,007	6,016	6,026	6,030	6,040	6,052	6,062	6,073	6,064	6,079	6,034	6,086	6,102
<b>Government</b> .....	15,864	15,874	15,869	15,858	15,875	15,873	15,903	15,922	15,894	15,928	15,957	16,060	16,087
Federal .....	2,760	2,759	2,762	2,760	2,763	2,770	2,771	2,775	2,785	2,779	2,785	2,785	2,772
State .....	3,667	3,669	3,668	3,670	3,682	3,686	3,693	3,699	3,699	3,697	3,714	3,729	3,738
Local .....	9,437	9,446	9,439	9,428	9,430	9,417	9,439	9,438	9,418	9,452	9,458	9,546	9,577

<sup>P</sup> = 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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>Total</b> .....	39,781	40,237	40,373	40,531	40,712	40,858	41,074	41,210	41,390	41,584	41,735	41,966	42,094
<b>Total private</b> .....	32,086	32,538	32,684	32,824	32,997	33,140	33,333	33,463	33,618	33,793	33,948	34,081	34,176
<b>Goods-producing</b> .....	6,518	6,566	6,626	6,677	6,723	6,773	6,820	6,854	6,886	6,904	6,919	6,943	6,947
<b>Mining</b> .....	116	116	117	116	116	117	117	117	117	119	120	121	122
<b>Construction</b> .....	390	396	397	400	402	404	407	409	413	418	423	424	429
<b>Manufacturing</b> .....	6,012	6,054	6,112	6,161	6,205	6,252	6,296	6,328	6,356	6,367	6,376	6,398	6,396
<b>Durable goods</b> .....	2,820	2,851	2,887	2,920	2,947	2,973	3,003	3,031	3,043	3,057	3,075	3,089	3,108
Lumber and wood products .....	98	100	101	102	103	105	105	106	107	106	107	107	107
Furniture and fixtures .....	136	136	137	139	140	142	143	144	144	144	146	146	145
Stone, clay, and glass products .....	112	113	114	114	115	116	117	118	117	117	117	116	117
Primary metal industries .....	98	99	101	102	103	103	103	104	105	105	105	105	106
Fabricated metal products .....	303	305	309	312	315	317	320	322	321	325	324	328	328
Machinery, except electrical .....	452	452	456	463	466	468	473	476	481	485	492	494	496
Electrical and electronic equipment .....	855	875	888	901	910	921	932	946	952	957	965	970	977
Transportation equipment .....	299	303	308	310	315	319	324	327	327	330	332	335	341
Instruments and related products .....	297	299	301	303	304	306	308	310	310	311	311	313	312
Miscellaneous manufacturing .....	170	169	172	174	176	176	178	178	179	177	176	175	179
<b>Nondurable goods</b> .....	3,192	3,203	3,225	3,241	3,258	3,279	3,293	3,297	3,313	3,310	3,301	3,309	3,288
Food and kindred products .....	496	497	496	501	502	505	506	504	508	506	505	514	504
Tobacco manufactures .....	23	23	23	22	23	23	23	23	24	24	23	24	23
Textile mill products .....	357	358	361	361	363	366	366	367	365	364	361	360	356
Apparel and other textile products .....	945	948	959	965	969	974	979	982	989	983	973	968	964
Paper and allied products .....	154	155	156	156	157	157	158	157	158	159	162	162	162
Printing and publishing .....	533	535	538	540	543	547	549	552	557	562	566	568	570
Chemicals and allied products .....	274	275	275	275	276	278	279	279	281	281	282	284	285
Petroleum and coal products .....	30	30	30	30	30	30	30	30	30	30	30	30	29
Rubber and misc. plastics products .....	257	259	263	267	271	275	278	280	278	279	278	278	278
Leather and leather products .....	123	123	124	124	124	124	125	123	123	122	121	121	117
<b>Service-producing</b> .....	33,263	33,671	33,747	33,854	33,989	34,085	34,254	34,356	34,504	34,680	34,816	35,023	35,147
<b>Transportation and public utilities</b> .....	1,031	1,357	1,355	1,356	1,362	1,373	1,378	1,380	1,385	1,388	1,400	1,409	1,416
<b>Wholesale trade</b> .....	1,461	1,468	1,474	1,485	1,496	1,508	1,519	1,532	1,534	1,542	1,544	1,556	1,561
<b>Retail trade</b> .....	7,939	7,951	7,987	8,024	8,048	8,084	8,121	8,154	8,204	8,265	8,323	8,360	8,394
<b>Finance, insurance, and real estate</b> .....	3,297	3,309	3,318	3,327	3,340	3,358	3,367	3,374	3,387	3,403	3,419	3,429	3,444
<b>Services</b> .....	11,840	11,887	11,924	11,955	12,028	12,044	12,128	12,169	12,222	12,291	12,343	12,384	12,414
<b>Government</b> .....	7,695	7,699	7,689	7,707	7,715	7,718	7,741	7,747	7,772	7,791	7,787	7,885	7,918
Federal .....	947	960	960	960	962	962	964	967	964	968	962	962	967
State .....	1,584	1,586	1,595	1,603	1,609	1,620	1,629	1,636	1,650	1,660	1,670	1,668	1,676
Local .....	5,164	5,153	5,134	5,144	5,144	5,136	5,148	5,144	5,158	5,163	5,155	5,255	5,275

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 workers<sup>1</sup> on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted**

(In thousands)

Industry	1983			1984									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>	Oct. <sup>P</sup>
<b>Total private</b> .....	61,074	61,371	61,665	61,948	62,327	62,443	62,800	63,060	63,363	63,494	63,616	63,700	64,037
<b>Goods-producing</b> .....	16,735	16,881	16,996	17,155	17,318	17,297	17,446	17,507	17,600	17,654	17,671	17,582	17,641
<b>Mining</b> .....	685	686	690	694	696	698	707	714	720	720	729	730	728
<b>Construction</b> .....	3,122	3,147	3,161	3,227	3,296	3,211	3,296	3,328	3,388	3,393	3,384	3,402	3,408
<b>Manufacturing</b> .....	12,928	13,048	13,145	13,234	13,326	13,388	13,443	13,465	13,492	13,541	13,558	13,450	13,505
<b>Durable goods</b> .....	7,421	7,511	7,585	7,643	7,718	7,769	7,799	7,826	7,860	7,899	7,945	7,876	7,925
Lumber and wood products .....	578	583	587	589	592	599	599	596	597	594	592	589	595
Furniture and fixtures .....	368	373	376	380	384	387	387	385	387	388	386	383	388
Stone, clay, and glass products .....	450	453	454	455	462	463	464	465	466	466	464	463	467
Primary metal industries .....	651	657	665	661	666	668	668	676	674	669	668	653	662
Fabricated metal products .....	1,028	1,037	1,049	1,056	1,062	1,069	1,074	1,083	1,091	1,101	1,103	1,097	1,104
Machinery, except electrical .....	1,236	1,261	1,273	1,286	1,300	1,314	1,329	1,342	1,356	1,370	1,379	1,368	1,379
Electrical and electronic equipment .....	1,281	1,300	1,313	1,327	1,346	1,364	1,371	1,377	1,379	1,390	1,401	1,395	1,393
Transportation equipment .....	1,160	1,173	1,192	1,208	1,221	1,221	1,221	1,217	1,224	1,233	1,265	1,242	1,246
Instruments and related products .....	397	399	398	401	403	404	403	404	405	406	403	403	408
Miscellaneous manufacturing .....	272	275	278	280	282	282	283	281	281	282	284	283	283
<b>Nondurable goods</b> .....	5,507	5,537	5,560	5,591	5,608	5,619	5,644	5,639	5,632	5,642	5,613	5,574	5,580
Food and kindred products .....	1,119	1,124	1,126	1,134	1,133	1,133	1,143	1,142	1,142	1,152	1,140	1,131	1,133
Tobacco manufactures .....	51	50	50	49	49	50	50	50	50	50	49	52	52
Textile mill products .....	656	658	660	666	665	666	665	661	658	652	649	643	635
Apparel and other textile products .....	1,004	1,012	1,018	1,023	1,028	1,031	1,039	1,033	1,021	1,018	1,013	998	995
Paper and allied products .....	501	503	506	508	511	512	512	512	515	516	516	511	515
Printing and publishing .....	720	725	727	732	734	737	744	746	752	757	757	759	760
Chemicals and allied products .....	583	584	586	587	588	588	589	588	590	591	592	589	591
Petroleum and coal products .....	115	114	113	112	112	111	111	111	110	110	110	110	112
Rubber and misc. plastics products .....	582	591	598	604	612	616	616	621	623	624	622	619	627
Leather and leather products .....	176	176	176	176	176	175	175	173	171	172	165	162	160
<b>Service-producing</b> .....	44,339	44,490	44,669	44,793	45,009	45,146	45,354	45,553	45,763	45,840	45,945	46,118	46,396
<b>Transportation and public utilities</b> .....	4,158	4,151	4,161	4,189	4,198	4,207	4,228	4,236	4,253	4,265	4,293	4,290	4,314
<b>Wholesale trade</b> .....	4,274	4,292	4,316	4,349	4,375	4,395	4,406	4,425	4,430	4,458	4,466	4,500	4,525
<b>Retail trade</b> .....	14,112	14,174	14,221	14,264	14,317	14,341	14,434	14,493	14,558	14,586	14,592	14,617	14,723
<b>Finance, insurance, and real estate</b> .....	4,107	4,122	4,135	4,149	4,161	4,165	4,175	4,195	4,217	4,217	4,233	4,225	4,248
<b>Services</b> .....	17,688	17,751	17,836	17,842	17,958	18,038	18,111	18,204	18,305	18,314	18,361	18,486	18,586

<sup>1</sup> 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.

<sup>P</sup> = 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 employment<sup>1</sup> increased, seasonally adjusted**

Time span	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Over 1-month span	1982.....	27.6	47.6	35.7	30.8	41.6	33.0	34.6	32.4	37.3	28.9	32.4	45.7
	1983.....	54.3	46.5	60.8	68.9	69.5	64.6	74.3	68.6	69.5	75.4	69.7	73.8
	1984.....	71.1	73.2	67.0	63.8	64.1	63.0	62.4	57.6	<sup>P</sup> 40.3	<sup>P</sup> 65.4		
Over 3-month span	1982.....	25.1	27.8	28.4	27.3	27.6	28.6	23.5	24.1	26.5	25.9	27.8	41.6
	1983.....	46.8	57.3	64.1	75.1	75.7	77.8	74.1	81.6	80.8	78.9	79.5	77.6
	1984.....	82.4	80.5	76.5	71.1	68.4	68.9	63.5	<sup>P</sup> 55.7	<sup>P</sup> 54.9			
Over 6-month span	1982.....	19.5	22.2	21.9	24.6	20.3	21.4	20.8	18.9	23.2	27.3	29.5	35.4
	1983.....	50.8	63.0	69.2	75.1	80.0	82.4	84.1	82.4	84.6	85.9	86.8	83.8
	1984.....	81.9	82.7	79.7	75.4	69.2	<sup>P</sup> 62.7	<sup>P</sup> 61.4					
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.....	86.5	81.9	<sup>P</sup> 78.9	<sup>P</sup> 75.4								

<sup>1</sup> 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.

<sup>P</sup> = 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		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>a</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>a</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>a</sup>
<b>Alabama</b> .....	1,326.5	1,352.8	1,347.0	12.9	14.3	14.4	62.7	66.6	67.2
Birmingham .....	337.1	341.2	343.1	7.0	7.4	7.4	20.0	21.1	20.8
Huntsville .....	136.0	140.4	141.5	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	5.0	4.9	4.9
Mobile .....	144.5	149.2	148.3	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	9.6	10.6	11.1
Montgomery .....	108.0	110.3	110.3	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	6.3	6.8	6.8
Tuscaloosa .....	49.7	50.6	52.0	1.9	2.5	2.6	2.1	2.1	2.1
<b>Alaska</b> .....	227.1	236.1	234.1	8.5	8.2	8.1	26.2	24.7	24.0
<b>Arizona</b> .....	1,079.0	1,115.8	1,151.2	14.2	13.4	13.1	81.2	91.6	92.3
Phoenix .....	696.3	729.7	752.7	.6	.7	.7	56.5	63.2	63.7
Tucson .....	199.5	204.5	209.6	3.5	3.3	3.1	16.0	19.0	19.1
<b>Arkansas</b> .....	760.3	773.7	787.4	5.3	5.8	5.8	30.9	34.2	34.0
Fayetteville-Springdale .....	70.1	70.2	72.0	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	2.6	2.7	2.6
Fort Smith .....	70.4	70.5	71.6	1.2	1.3	1.3	2.8	2.8	2.8
Little Rock-North Little Rock .....	185.7	186.1	188.8	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	9.0	9.5	9.5
Pine Bluff .....	30.2	29.0	30.0	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.2	1.2	1.2
<b>California</b> .....	10,036.3	10,351.2	10,456.0	47.8	48.7	48.2	389.2	423.2	426.2
Anaheim-Santa Ana-Garden Grove .....	864.9	898.3	905.2	3.6	3.7	3.8	34.0	41.6	42.1
Bakersfield .....	140.2	140.8	143.0	14.4	15.1	14.9	7.1	6.5	6.5
Fresno .....	179.1	182.3	186.9	1.1	1.4	1.3	9.3	10.5	10.7
Los Angeles-Long Beach .....	3,561.1	3,657.9	3,677.1	12.7	12.3	11.9	99.8	106.9	107.5
Modesto .....	90.3	91.5	90.8	.1	.1	.1	4.6	5.4	5.4
Oxnard-Simi Valley-Ventura .....	164.7	163.4	165.3	3.5	3.3	3.3	6.4	6.4	6.4
Riverside-San Bernardino-Ontario .....	436.5	443.2	453.3	1.2	1.2	1.2	22.4	25.7	26.1
Sacramento .....	422.1	426.0	433.6	.8	.8	.8	19.5	21.0	21.3
Salinas-Seaside-Monterey .....	91.7	93.1	94.8	.4	.4	.4	3.2	3.3	3.3
San Diego .....	686.1	707.9	718.9	.5	.5	.5	33.4	39.8	39.6
San Francisco-Oakland .....	1,557.3	1,576.0	1,592.8	4.6	4.7	4.7	62.0	64.3	66.0
San Jose .....	722.6	746.1	750.0	.1	.1	.1	25.6	28.0	28.6
Santa Barbara-Santa Maria-Lompoc .....	123.9	125.4	126.7	1.5	1.4	1.4	4.5	5.2	5.4
Santa Rosa .....	98.7	99.2	101.4	.7	.6	.6	5.0	5.4	5.4
Stockton .....	125.1	124.7	126.8	.1	.1	.1	6.3	6.4	6.4
Vallejo-Fairfield-Napa .....	102.0	104.3	105.9	.4	.4	.4	4.8	6.0	5.8
<b>Colorado</b> .....	1,337.9	1,363.7	1,366.0	37.1	37.6	37.0	87.3	90.0	89.4
Denver-Boulder .....	865.7	881.1	882.4	25.8	25.3	24.8	51.9	52.3	51.7
<b>Connecticut</b> .....	1,459.6	1,478.2	1,478.2	1.6	1.6	1.6	57.9	61.3	61.3
Bridgeport .....	168.5	168.2	170.2	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	5.3	5.5	5.5
Hartford .....	406.2	406.2	414.6	.2	.2	.2	12.9	13.8	13.7
New Britain .....	59.2	58.6	60.6	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	2.5	2.8	2.7
New Haven-West Haven .....	192.9	202.2	204.3	.2	.3	.3	6.8	7.1	7.1
Stamford .....	113.7	114.7	115.6	.7	.7	.6	4.8	5.0	5.0
Waterbury .....	86.8	88.0	88.9	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	3.2	3.3	3.3
<b>Delaware</b> .....	269.8	276.7	275.6	.1	.1	.1	16.8	18.0	17.6
Wilmington .....	235.9	239.3	240.0	.2	.2	.2	19.4	19.9	19.3
<b>District of Columbia</b> .....	596.2	612.0	599.3	.1	.1	.1	11.0	10.7	10.9
Washington SMSA .....	1,654.9	1,718.8	1,704.3	1.1	1.2	1.2	80.1	88.9	88.5
<b>Florida</b> .....	3,919.9	4,094.6	4,144.0	10.0	9.9	10.0	275.6	311.8	312.3
Daytona Beach .....	86.7	88.9	89.4	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	5.0	5.9	5.7
Fort Lauderdale-Hollywood .....	370.7	377.1	380.9	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	26.6	30.9	31.3
Fort Myers-Cape Coral .....	78.4	81.1	81.8	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	8.8	9.3	9.4
Gainesville .....	72.5	73.7	73.5	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	4.7	4.6	4.6
Jacksonville .....	315.9	321.2	327.6	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	19.9	20.9	20.9
Lakeland-Winter Haven .....	114.7	113.2	115.4	4.6	4.6	4.7	6.6	6.8	6.8
Melbourne-Titusville-Cocoa .....	118.5	126.4	127.0	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	7.2	8.1	8.1
Miami .....	735.1	736.2	745.9	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	38.2	40.1	40.1
Orlando .....	341.8	353.1	358.8	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	23.3	24.0	24.4
Pensacola .....	106.5	107.5	110.6	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	7.4	8.0	8.0
Sarasota .....	80.4	82.1	81.8	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	7.6	7.7	7.8
Tallahassee .....	77.9	79.4	79.4	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	3.9	4.3	4.3
Tampa-St. Petersburg .....	609.5	616.5	626.2	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	43.0	46.2	46.0
West Palm Beach-Boca Raton .....	232.7	242.5	247.1	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	20.6	21.5	21.6

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	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>
<b>Alabama</b> .....	345.5	351.1	345.8	70.7	72.5	72.0	273.7	284.9	285.6
Birmingham .....	48.8	50.4	50.0	29.2	29.8	29.8	80.7	82.1	81.8
Huntsville .....	43.9	46.7	46.9	2.8	2.7	2.7	23.8	26.8	26.6
Mobile .....	25.4	25.7	25.2	9.5	9.6	9.2	36.9	39.0	39.0
Montgomery .....	15.9	16.1	16.1	4.3	4.4	4.4	24.5	25.7	25.7
Tuscaloosa .....	7.9	8.3	8.2	1.6	1.6	1.6	10.4	10.5	10.7
<b>Alaska</b> .....	15.3	19.0	15.3	19.8	20.6	20.3	44.4	46.3	45.4
<b>Arizona</b> .....	160.1	171.2	173.3	56.7	59.4	59.5	257.0	269.1	273.3
Phoenix .....	114.8	123.5	125.1	36.5	38.6	38.6	173.6	183.6	186.4
Tucson .....	27.0	29.4	29.4	8.7	9.1	9.2	42.9	43.5	44.1
<b>Arkansas</b> .....	205.3	213.2	213.2	44.2	46.2	46.6	166.6	174.8	175.0
Fayetteville-Springdale .....	19.7	20.6	20.4	4.6	5.2	5.2	16.6	17.1	17.4
Fort Smith .....	23.2	23.4	23.8	3.5	3.7	3.7	15.2	15.2	15.2
Little Rock-North Little Rock .....	26.2	26.7	26.6	13.4	13.6	13.7	44.4	45.1	44.9
Pine Bluff .....	5.7	5.5	5.4	3.1	3.3	3.3	6.0	6.1	6.0
<b>California</b> .....	1,971.0	2,050.2	2,044.9	548.1	532.7	534.5	2,357.4	2,502.7	2,523.6
Anaheim-Santa Ana-Garden Grove .....	212.5	221.6	222.2	29.9	29.5	29.4	219.9	230.4	230.7
Bakersfield .....	9.6	9.3	9.4	8.0	7.9	7.9	35.6	36.8	37.0
Fresno .....	22.7	23.7	24.3	10.3	9.9	10.0	46.2	47.8	47.6
Los Angeles-Long Beach .....	852.5	877.9	881.7	198.9	194.8	192.4	817.7	855.9	860.4
Modesto .....	23.7	25.6	23.8	4.1	3.7	3.8	21.7	21.9	22.3
Oxnard-Simi Valley-Ventura .....	25.5	24.6	24.7	6.8	7.0	7.0	40.9	41.7	41.7
Riverside-San Bernardino-Ontario .....	58.7	57.6	58.0	25.7	25.5	25.8	111.4	116.9	117.8
Sacramento .....	30.2	32.6	32.0	21.6	20.8	20.9	100.0	101.8	104.1
Salinas-Seaside-Monterey .....	9.4	9.3	9.8	4.5	4.5	4.5	24.7	25.3	25.5
San Diego .....	108.5	111.8	111.7	30.1	29.2	29.3	161.7	171.4	173.6
San Francisco-Oakland .....	181.4	185.3	183.6	127.8	128.6	128.7	366.2	374.2	379.3
San Jose .....	266.0	281.0	280.3	21.8	20.2	20.5	135.3	141.2	141.6
Santa Barbara-Santa Maria-Lompoc .....	21.2	21.4	21.3	5.4	5.3	5.3	29.8	30.1	30.3
Santa Rosa .....	16.3	17.7	17.7	5.1	4.6	4.7	24.2	24.6	24.7
Stockton .....	23.7	25.0	25.1	8.6	8.3	8.1	28.6	28.6	29.0
Vallejo-Fairfield-Napa .....	10.7	11.0	11.1	4.1	4.2	4.2	23.0	24.3	24.2
<b>Colorado</b> .....	182.7	191.7	190.0	86.1	85.9	85.5	329.3	338.6	338.7
Denver-Boulder .....	124.9	131.6	130.0	63.4	63.4	63.2	208.6	213.8	213.7
<b>Connecticut</b> .....	404.0	403.4	403.4	63.6	62.6	62.6	317.9	321.8	321.8
Bridgeport .....	58.1	58.9	59.2	6.9	6.7	6.8	37.5	37.0	37.6
Hartford .....	86.4	85.6	89.0	14.6	13.9	14.6	86.1	85.4	86.2
New Britain .....	23.9	23.1	24.1	2.9	3.0	3.1	10.9	11.1	11.3
New Haven-West Haven .....	37.6	39.6	39.5	16.0	16.1	16.1	44.0	48.2	48.3
Stamford .....	30.8	30.8	31.1	4.5	4.3	4.3	24.8	25.4	25.5
Waterbury .....	29.0	29.7	30.1	3.3	3.3	3.4	16.8	17.0	17.3
<b>Delaware</b> .....	69.0	68.9	69.3	12.1	10.9	11.3	60.0	61.9	62.1
Wilmington .....	60.1	59.3	60.2	11.9	10.7	10.8	48.2	48.3	49.2
<b>District of Columbia</b> .....	14.1	14.5	14.5	26.0	25.4	25.4	60.0	59.7	59.8
Washington SMSA .....	65.4	70.2	70.9	77.5	80.1	80.2	316.6	324.8	326.6
<b>Florida</b> .....	472.1	498.7	503.1	231.0	230.2	230.2	1,048.0	1,107.4	1,114.2
Daytona Beach .....	10.1	10.8	10.7	3.2	3.2	3.2	24.2	24.8	24.9
Fort Lauderdale-Hollywood .....	42.3	44.4	44.8	18.6	18.3	17.4	107.2	109.6	109.2
Fort Myers-Cape Coral .....	4.3	4.3	4.3	4.4	4.5	4.5	22.7	24.1	24.0
Gainesville .....	4.6	4.8	4.9	1.6	1.6	1.6	15.0	14.8	14.8
Jacksonville .....	32.4	34.1	34.1	25.6	25.6	25.9	82.3	86.0	86.2
Lakeland-Winter Haven .....	19.6	19.3	19.6	5.4	5.4	5.4	29.2	29.1	29.4
Melbourne-Titusville-Cocoa .....	26.0	28.6	28.7	5.1	5.1	5.0	26.2	29.6	29.5
Miami .....	90.5	92.8	92.5	68.6	67.7	67.6	189.6	188.6	189.6
Orlando .....	41.0	42.4	42.5	16.4	16.6	16.7	93.9	97.2	98.8
Pensacola .....	12.7	13.0	12.9	6.2	6.0	6.0	26.0	28.3	28.1
Sarasota .....	6.3	6.5	6.4	3.2	3.2	3.3	23.9	24.7	24.6
Tallahassee .....	3.1	3.2	3.2	2.7	2.7	2.7	17.5	18.2	18.2
Tampa-St. Petersburg .....	79.7	81.1	81.4	34.4	33.6	33.5	162.2	165.1	166.0
West Palm Beach-Boca Raton .....	30.8	34.2	34.7	9.9	10.1	10.3	60.3	63.4	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		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>
<b>Alabama</b> .....	59.8	62.1	62.1	219.7	218.5	218.0	281.5	282.8	281.9
Birmingham .....	23.8	24.6	24.4	73.3	74.6	74.1	54.3	51.2	54.8
Huntsville .....	3.7	3.7	3.7	20.4	20.6	20.7	36.4	35.0	36.0
Mobile .....	7.1	7.1	7.1	31.6	31.3	31.3	24.4	25.9	25.4
Montgomery .....	6.3	6.4	6.5	21.7	21.5	21.7	29.0	29.4	29.1
Tuscaloosa .....	1.6	1.7	1.6	6.8	6.7	6.9	17.4	17.2	18.3
<b>Alaska</b> .....	10.9	11.5	11.4	40.6	43.0	43.6	61.4	62.8	66.0
<b>Arizona</b> .....	66.1	69.6	69.4	237.0	256.2	259.6	206.7	185.3	210.7
Phoenix .....	51.5	54.5	54.3	158.6	173.3	176.5	104.2	92.3	107.4
Tucson .....	9.5	9.8	9.8	45.7	48.4	48.9	46.2	42.0	46.0
<b>Arkansas</b> .....	34.2	35.9	35.6	132.5	134.5	135.2	141.3	129.1	142.0
Fayetteville-Springdale .....	2.5	2.5	2.6	10.5	10.1	10.4	13.6	12.0	13.4
Fort Smith .....	2.6	2.7	2.7	12.6	12.6	12.6	9.3	8.8	9.5
Little Rock-North Little Rock .....	13.6	13.7	13.7	40.6	41.5	41.5	38.5	36.0	38.9
Pine Bluff .....	1.4	1.4	1.5	5.8	5.6	5.5	7.0	5.9	7.1
<b>California</b> .....	662.4	681.6	682.3	2,381.7	2,476.5	2,487.1	1,678.7	1,635.6	1,709.2
Anaheim-Santa Ana-Garden Grove .....	64.5	66.4	66.7	203.1	214.5	214.9	97.4	90.6	95.4
Bakersfield .....	5.7	5.7	5.7	27.1	28.1	28.1	32.7	31.4	33.5
Fresno .....	12.0	12.6	12.7	38.5	40.1	40.8	39.0	36.3	39.5
Los Angeles-Long Beach .....	238.7	245.0	244.7	892.7	931.1	930.2	448.1	434.0	448.3
Modesto .....	3.7	3.7	3.7	17.7	17.5	17.6	14.7	13.6	14.1
Oxnard-Simi Valley-Ventura .....	10.7	10.5	10.5	34.3	34.4	34.5	36.6	35.5	37.2
Riverside-San Bernardino-Ontario .....	19.6	19.8	19.8	98.6	99.6	101.6	98.9	96.9	103.0
Sacramento .....	23.8	24.1	24.1	83.0	84.6	85.1	143.2	140.3	145.3
Salinas-Seaside-Monterey .....	4.5	4.5	4.5	21.4	22.2	22.2	23.6	23.6	24.6
San Diego .....	45.9	47.6	47.5	165.8	175.1	176.6	140.2	132.5	140.1
San Francisco-Oakland .....	152.9	154.2	153.9	387.5	396.7	401.8	274.9	268.0	274.8
San Jose .....	29.5	29.5	29.7	169.9	176.2	176.0	74.4	69.9	73.2
Santa Barbara-Santa Maria-Lompoc .....	6.4	6.4	6.4	31.9	32.3	32.6	23.2	23.3	24.0
Santa Rosa .....	6.3	6.5	6.5	21.7	22.3	22.4	19.4	17.5	19.4
Stockton .....	6.1	6.2	6.2	24.7	23.9	24.6	27.0	26.2	27.3
Vallejo-Fairfield-Napa .....	3.7	3.7	3.7	20.9	21.6	21.9	34.4	33.1	34.6
<b>Colorado</b> .....	86.3	89.2	88.2	290.0	302.3	296.8	239.1	228.4	240.4
Denver-Boulder .....	62.0	64.2	63.3	194.1	203.1	199.7	135.0	127.4	135.9
<b>Connecticut</b> .....	119.1	122.9	122.9	318.6	328.0	328.0	176.9	176.6	176.6
Bridgeport .....	8.3	8.3	8.3	36.9	37.2	37.3	15.5	14.6	15.5
Hartford .....	68.8	72.1	71.7	84.8	85.7	86.5	52.4	49.5	52.7
New Britain .....	1.9	2.0	2.0	11.2	11.1	11.3	5.9	5.5	6.1
New Haven-West Haven .....	11.8	12.6	12.6	52.5	55.8	55.8	24.0	22.5	24.6
Stamford .....	8.9	9.1	9.0	28.8	30.1	29.7	10.4	9.3	10.4
Waterbury .....	3.9	4.0	4.0	19.3	19.6	19.4	11.3	11.1	11.4
<b>Delaware</b> .....	15.9	17.1	16.8	53.8	56.0	55.7	42.2	43.8	42.8
Wilmington .....	14.4	15.7	15.4	47.2	50.1	49.6	34.4	35.1	35.2
<b>District of Columbia</b> .....	34.3	35.0	34.8	192.0	192.0	194.4	258.7	274.6	259.4
Washington SMSA .....	94.7	98.4	97.3	488.7	506.0	507.7	530.8	549.2	531.9
<b>Florida</b> .....	290.0	310.5	311.7	964.5	1,008.3	1,009.2	628.7	617.8	653.3
Daytona Beach .....	5.3	5.8	5.7	23.6	23.7	23.2	15.3	14.7	16.0
Fort Lauderdale-Hollywood .....	33.5	34.7	34.8	92.3	91.5	92.0	50.2	47.7	51.4
Fort Myers-Cape Coral .....	6.8	6.8	6.7	18.7	19.8	19.7	12.7	12.3	13.2
Gainesville .....	3.0	3.0	2.9	14.6	14.5	14.5	29.0	30.4	30.2
Jacksonville .....	28.7	29.6	29.7	73.7	76.2	76.9	53.3	48.8	53.9
Lakeland-Winter Haven .....	7.2	7.4	7.6	26.3	25.9	26.4	15.8	14.7	15.5
Melbourne-Titusville-Cocoa .....	4.4	4.5	4.6	30.1	31.1	31.1	19.5	19.4	20.0
Miami .....	60.7	62.5	62.3	191.4	193.4	195.3	96.1	91.1	98.5
Orlando .....	22.0	23.6	23.6	99.8	105.6	104.5	45.4	43.7	48.3
Pensacola .....	4.3	4.5	4.5	24.0	24.2	24.2	25.9	23.5	26.9
Sarasota .....	7.1	7.4	7.4	21.7	22.3	22.0	10.6	10.3	10.3
Tallahassee .....	3.8	3.6	3.6	15.2	15.4	15.3	31.7	32.0	32.1
Tampa-St. Petersburg .....	46.3	48.4	48.2	159.9	163.0	165.1	84.0	79.1	86.0
West Palm Beach-Boca Raton .....	19.9	20.7	20.7	59.6	62.4	63.2	31.6	30.2	33.1

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		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>Georgia</b> .....	2,309.2	2,428.8	2,450.8	7.5	8.0	8.0	116.4	142.6	142.6
Albany .....	44.5	45.7	45.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	1.8	1.7
Athens .....	53.6	54.7	53.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	1.9	1.8
Atlanta .....	1,071.2	1,139.2	1,149.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	54.0	61.7	63.0
Augusta .....	125.6	127.2	127.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.6	6.9	6.6
Columbus .....	81.7	86.2	85.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.7	5.2	5.3
Macon .....	102.1	103.1	104.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.6	4.7	4.8
Savannah .....	90.6	91.4	92.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.8	5.8	5.6
<b>Hawaii</b> .....	393.4	405.8	396.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	17.9	16.0	15.1
Honolulu .....	319.1	330.2	322.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	14.6	13.1	12.4
<b>Idaho</b> .....	329.9	324.7	331.8	4.6	4.2	4.1	15.2	14.2	14.0
Boise City .....	79.6	83.6	83.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.3	5.7	5.5
<b>Illinois</b> .....	4,536.5	4,588.4	4,586.0	24.3	25.5	25.3	159.1	156.9	156.7
Bloomington-Normal .....	50.2	49.3	52.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.2	1.2
Champaign-Urbana-Rantoul .....	74.7	69.3	75.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	1.9	1.7
Chicago-Gary .....	3,247.8	3,274.2	3,261.3	3.3	4.0	4.0	119.4	122.5	122.2
Chicago SMSA .....	3,030.4	3,064.7	3,053.4	3.2	3.9	3.9	108.8	111.6	111.6
Davenport-Rock Island-Moline .....	147.5	148.4	146.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.1	6.0	6.0
Decatur .....	52.3	52.2	52.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	2.1	2.2
Kankakee .....	31.5	31.3	31.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.2	1.2
Peoria .....	129.1	132.9	132.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.1	7.6	7.5
Rockford .....	111.6	115.1	113.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.3	3.6	3.6
Springfield .....	88.5	94.0	88.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.5	3.2	3.3
<b>Indiana</b> .....	2,044.7	2,072.3	2,098.6	9.8	10.1	10.1	76.0	80.4	79.8
Anderson .....	46.2	46.2	47.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.1	1.2	1.2
Elkhart .....	81.4	88.2	88.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.3	2.3
Evansville .....	123.5	125.4	125.5	2.7	2.7	2.7	6.3	6.8	6.6
Fort Wayne .....	159.8	164.0	165.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.9	6.5	6.5
Gary-Hammond-East Chicago .....	217.4	209.5	207.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.6	10.9	10.6
Indianapolis .....	513.8	531.9	532.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	21.6	23.1	23.0
Lafayette-West Lafayette .....	58.2	54.1	59.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.6	1.6
Muncie .....	46.3	43.9	46.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.6	1.5
South Bend .....	108.9	112.5	115.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.2	4.9	4.8
Terre Haute .....	60.1	59.4	62.0	1.2	1.3	1.3	2.9	2.8	2.9
<b>Iowa</b> .....	1,036.7	1,025.9	1,040.8	2.0	2.3	2.3	42.5	47.2	46.4
Cedar Rapids .....	75.2	74.8	74.2	.1	.1	.1	2.9	2.8	2.7
Des Moines .....	172.1	173.2	173.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.0	7.2	7.4
Dubuque .....	38.6	38.6	39.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.1	1.2	1.1
Sioux City .....	46.3	46.2	47.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	1.9	1.8
Waterloo-Cedar Falls .....	57.7	54.2	55.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.5	2.4
<b>Kansas</b> .....	924.6	930.0	942.7	17.3	17.9	17.6	42.1	43.8	43.0
Lawrence .....	27.8	26.0	27.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	.9	.9	.9
Topeka .....	82.4	84.9	85.5	.2	.3	.3	2.9	3.0	2.9
Wichita .....	194.1	198.1	203.7	3.3	3.1	3.0	9.0	9.5	9.9
<b>Kentucky</b> .....	1,163.6	1,185.6	1,196.9	41.3	43.9	44.2	50.6	60.3	58.7
Lexington-Fayette .....	148.7	147.5	148.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.8	9.5	9.1
Louisville .....	366.0	375.1	376.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	15.7	20.3	19.7
Owensboro .....	31.3	31.6	31.9	1.0	1.1	1.1	1.6	2.1	2.1
<b>Louisiana</b> .....	1,569.7	1,571.7	1,582.1	78.2	77.9	78.5	116.3	113.3	114.3
Alexandria .....	54.9	54.6	54.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.7	3.6	3.4
Baton Rouge .....	208.0	210.1	213.3	.9	.9	.9	20.6	20.8	20.8
Lafayette .....	86.6	88.4	89.2	15.3	16.4	17.0	5.2	5.1	5.0
Lake Charles .....	61.8	58.4	57.7	2.4	2.3	2.1	6.3	4.3	4.5
Monroe .....	50.8	51.3	50.9	.5	.5	.4	3.1	2.3	2.3
New Orleans .....	501.9	506.8	506.9	18.2	18.5	18.5	31.2	28.3	28.0
Shreveport .....	150.3	149.7	152.2	6.0	6.6	6.4	10.2	9.8	9.5
<b>Maine</b> .....	434.4	452.2	442.8	.2	.2	.2	18.9	19.0	19.3
Lewiston-Auburn .....	34.5	34.5	34.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.6	1.5
Portland .....	97.7	103.0	103.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.4	4.5	4.6
<b>Maryland</b> .....	1,708.9	1,746.5	1,742.2	1.6	1.4	1.4	99.7	110.5	110.0
Baltimore SMSA .....	937.4	954.1	953.4	.1	.1	.1	47.0	51.9	52.3
Baltimore City .....	432.2	439.5	435.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	15.3	18.5	18.4

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		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>Georgia</b> .....	520.1	539.4	538.9	150.5	155.2	155.8	556.3	603.2	611.4
Albany .....	10.3	11.1	11.0	2.4	2.3	2.3	10.4	11.0	11.2
Athens .....	14.7	14.6	14.8	1.6	1.6	1.6	10.9	10.8	11.0
Atlanta .....	148.7	155.6	156.5	93.1	96.2	96.8	301.8	325.0	330.6
Augusta .....	33.5	33.7	33.8	4.2	4.3	4.3	24.2	25.0	24.9
Columbus .....	20.7	21.8	22.0	3.1	3.1	3.0	16.9	18.6	18.6
Macon .....	16.8	16.7	16.8	4.4	4.2	4.3	21.3	22.0	22.1
Savannah .....	16.4	16.8	16.6	10.3	10.2	10.4	21.3	21.7	21.7
<b>Hawaii</b> .....	21.5	22.7	21.4	30.6	31.1	31.0	105.5	108.9	107.7
Honolulu .....	15.8	16.4	15.4	25.4	26.0	25.8	85.6	88.7	88.0
<b>Idaho</b> .....	54.5	54.2	56.2	19.8	19.2	19.4	82.1	82.9	83.4
Boise City .....	9.1	10.6	10.6	5.4	5.3	5.4	20.3	21.3	21.4
<b>Illinois</b> .....	970.2	992.3	995.5	265.4	270.4	272.4	1,088.1	1,114.6	1,116.6
Bloomington-Normal .....	5.1	5.5	5.6	3.2	3.1	3.1	12.1	12.9	13.1
Champaign-Urbana-Rantoul .....	7.1	6.9	6.9	2.5	2.4	2.4	18.4	18.0	18.5
Chicago-Gary .....	713.6	711.1	708.8	192.3	194.3	195.7	784.1	792.0	792.8
Chicago SMSA .....	643.4	647.8	648.7	179.6	181.1	182.4	737.7	744.5	745.3
Davenport-Rock Island-Moline .....	35.7	36.6	34.3	6.9	7.0	7.0	38.9	38.9	38.8
Decatur .....	17.6	18.3	18.3	4.1	4.0	4.0	11.1	11.3	11.3
Kankakee .....	5.9	6.1	6.1	1.2	1.1	1.1	7.2	7.2	7.2
Peoria .....	34.7	35.9	36.0	6.7	6.7	6.7	30.9	31.4	31.3
Rockford .....	43.0	45.3	45.1	4.3	4.3	4.3	24.5	24.8	24.8
Springfield .....	5.8	5.8	5.8	4.2	4.2	4.1	19.3	21.3	19.1
<b>Indiana</b> .....	591.3	609.9	610.9	102.1	103.8	104.0	465.4	479.1	480.6
Anderson .....	18.6	19.1	19.9	1.2	1.2	1.2	9.8	9.8	9.9
Elkhart .....	44.4	49.2	48.6	2.6	2.7	2.7	14.9	16.3	16.4
Evansville .....	33.5	33.5	33.5	6.9	7.1	7.0	30.9	31.5	31.5
Fort Wayne .....	45.6	48.8	49.2	9.9	10.6	10.6	39.6	40.1	40.2
Gary-Hammond-East Chicago .....	70.2	63.3	60.1	12.7	13.2	13.3	46.4	47.5	47.5
Indianapolis .....	107.2	110.1	110.5	30.5	31.8	31.8	130.0	135.3	135.4
Lafayette-West Lafayette .....	10.7	11.3	11.4	1.7	1.8	1.8	11.8	11.5	11.9
Muncie .....	11.2	11.4	11.6	1.9	1.9	1.9	11.3	11.0	11.1
South Bend .....	28.3	30.5	31.0	4.7	4.9	4.9	27.6	29.2	29.4
Terre Haute .....	12.4	12.5	12.7	3.4	3.3	3.3	15.7	16.5	16.8
<b>Iowa</b> .....	206.2	207.9	207.8	50.1	49.8	49.8	262.6	261.4	261.1
Cedar Rapids .....	20.8	20.7	20.3	3.8	3.8	3.7	17.9	18.0	17.9
Des Moines .....	20.9	21.8	21.9	10.5	10.1	10.1	44.5	45.0	44.8
Dubuque .....	11.5	11.9	11.8	1.7	1.7	1.7	8.7	8.6	8.7
Sioux City .....	8.6	9.2	9.5	3.4	3.3	3.3	12.1	12.3	12.2
Waterloo-Cedar Falls .....	16.6	15.6	15.2	1.9	1.8	1.8	12.7	12.6	12.6
<b>Kansas</b> .....	168.5	176.8	179.4	62.3	63.6	63.8	226.2	228.4	228.1
Lawrence .....	4.1	4.2	4.2	1.3	1.3	1.3	6.0	5.9	6.2
Topeka .....	8.9	9.6	9.6	7.6	7.9	7.8	18.0	19.1	19.2
Wichita .....	50.1	53.3	56.0	10.1	10.5	10.5	45.9	48.5	48.7
<b>Kentucky</b> .....	244.9	253.8	254.1	64.0	64.4	64.8	266.0	277.6	277.6
Lexington-Fayette .....	27.5	28.6	28.8	7.4	7.3	7.3	33.7	32.6	33.3
Louisville .....	83.4	84.5	86.9	21.2	21.2	21.3	88.0	90.5	90.2
Owensboro .....	6.2	6.5	6.6	2.4	2.3	2.3	7.5	7.6	7.6
<b>Louisiana</b> .....	180.3	183.3	183.0	117.6	117.2	116.5	373.0	375.2	374.4
Alexandria .....	5.7	5.6	5.8	2.5	2.6	2.6	12.5	12.7	12.5
Baton Rouge .....	22.5	22.1	22.0	10.2	9.5	9.6	49.0	51.4	51.9
Lafayette .....	3.6	3.9	3.9	6.6	6.8	6.7	23.3	24.3	24.5
Lake Charles .....	9.7	9.2	9.0	4.5	4.7	4.7	14.7	13.8	13.4
Monroe .....	7.0	7.0	7.1	2.7	2.8	2.7	14.4	14.3	14.1
New Orleans .....	40.4	39.7	39.8	47.0	46.3	46.1	129.7	132.0	132.6
Shreveport .....	24.0	26.3	26.2	9.5	9.3	9.3	34.4	34.0	33.9
<b>Maine</b> .....	111.7	112.9	109.2	18.8	19.2	18.8	99.3	109.1	105.2
Lewiston-Auburn .....	11.8	11.5	11.1	1.3	1.1	1.1	8.1	8.1	8.1
Portland .....	16.5	17.3	17.2	5.8	5.8	5.7	27.2	29.4	29.1
<b>Maryland</b> .....	215.0	214.8	215.2	87.3	89.3	90.1	421.4	434.4	435.4
Baltimore SMSA .....	143.0	139.9	139.9	57.6	58.3	58.9	221.6	227.2	229.6
Baltimore City .....	56.7	51.1	52.0	34.8	35.3	35.4	93.4	93.4	95.3

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>Georgia</b> .....	122.7	130.3	129.7	402.8	431.8	434.9	432.9	418.4	429.3
Albany .....	2.1	2.2	2.1	6.3	6.2	6.2	11.0	11.1	11.2
Athens .....	1.7	1.7	1.7	7.2	7.9	7.9	15.8	16.1	15.1
Atlanta .....	76.3	78.3	78.0	233.8	257.5	257.8	163.6	164.9	166.5
Augusta .....	4.6	4.8	4.8	19.9	20.2	20.4	32.6	32.2	32.9
Columbus .....	5.4	5.8	5.8	11.7	12.2	12.0	19.2	19.5	19.2
Macon .....	6.4	6.4	6.4	18.2	18.6	18.5	30.4	30.4	31.3
Savannah .....	4.1	4.3	4.3	17.6	17.9	18.0	16.1	14.7	16.0
<b>Hawaii</b> .....	31.3	31.1	30.8	102.8	105.5	105.3	83.8	90.5	84.7
Honolulu .....	27.0	27.0	26.7	80.5	83.0	83.0	70.2	76.0	70.9
<b>Idaho</b> .....	23.3	23.8	23.7	61.0	62.8	62.5	69.4	63.4	68.5
Boise City .....	7.8	8.2	8.2	16.3	17.2	16.9	15.3	15.3	15.5
<b>Illinois</b> .....	320.2	325.3	321.4	1,014.5	1,047.3	1,027.6	694.7	656.1	670.5
Bloomington-Normal .....	8.6	8.8	8.7	8.9	9.3	9.2	11.0	8.5	11.1
Champaign-Urbana-Rantoul .....	2.4	2.5	2.4	12.2	12.3	12.5	30.3	25.3	30.6
Chicago-Gary .....	247.0	251.8	249.6	781.7	799.2	788.2	406.4	399.4	400.1
Chicago SMSA .....	238.5	243.8	241.6	743.6	761.1	749.3	375.6	370.9	370.6
Davenport-Rock Island-Moline .....	7.2	7.4	7.2	26.3	25.6	26.2	26.4	26.9	26.8
Decatur .....	2.8	2.8	2.8	9.1	8.9	9.0	5.2	4.8	5.1
Kankakee .....	1.5	1.5	1.5	7.1	6.7	6.7	7.3	7.5	7.5
Peoria .....	6.5	6.5	6.5	26.9	28.4	28.6	16.3	16.4	16.3
Rockford .....	4.1	4.3	4.3	20.2	20.8	21.0	12.2	12.0	10.3
Springfield .....	7.5	7.4	7.4	18.8	20.9	18.5	29.4	31.2	30.2
<b>Indiana</b> .....	101.7	104.1	102.7	365.9	374.2	377.0	332.6	310.7	333.5
Anderson .....	1.6	1.6	1.6	8.3	8.0	8.2	5.6	5.3	5.5
Elkhart .....	2.1	2.2	2.1	10.2	10.6	10.9	5.0	4.9	5.1
Evansville .....	4.5	4.6	4.6	26.8	27.5	27.5	11.9	11.7	12.1
Fort Wayne .....	10.5	10.8	10.7	30.3	30.5	31.1	17.9	16.6	17.2
Gary-Hammond-East Chicago .....	8.5	8.0	8.0	38.1	38.1	38.9	30.8	28.5	29.5
Indianapolis .....	39.4	41.2	40.7	102.7	107.7	108.1	81.6	81.9	82.6
Lafayette-West Lafayette .....	2.6	2.7	2.6	9.6	9.7	9.8	20.3	15.4	20.4
Muncie .....	1.5	1.5	1.5	8.6	8.7	8.6	10.4	7.8	9.9
South Bend .....	5.3	5.4	5.3	27.2	26.4	27.9	11.6	11.2	11.8
Terre Haute .....	2.1	2.1	2.1	10.6	10.5	11.1	11.8	10.4	11.8
<b>Iowa</b> .....	59.9	61.9	61.3	210.6	204.4	208.7	203.0	191.0	203.6
Cedar Rapids .....	4.3	4.4	4.4	15.4	15.2	15.3	9.9	9.9	9.7
Des Moines .....	22.1	23.0	22.8	41.2	40.1	40.8	26.0	26.0	26.1
Dubuque .....	1.3	1.4	1.3	10.6	10.7	10.8	3.6	3.1	3.6
Sioux City .....	2.5	2.6	2.5	12.0	11.5	11.7	5.7	5.5	5.9
Waterloo-Cedar Falls .....	2.2	2.3	2.2	11.0	10.5	10.6	10.8	9.0	10.4
<b>Kansas</b> .....	49.3	49.7	49.6	174.5	175.3	175.5	184.4	174.5	185.7
Lawrence .....	.9	.9	.9	4.1	4.0	4.2	10.5	8.8	10.2
Topeka .....	5.8	5.9	5.9	17.8	17.9	18.0	21.2	21.2	21.8
Wichita .....	10.0	10.0	9.8	40.5	40.0	40.4	25.2	23.2	25.4
<b>Kentucky</b> .....	53.2	54.4	53.9	225.8	231.5	230.7	217.8	199.7	212.9
Lexington-Fayette .....	7.5	7.3	7.2	34.6	33.2	34.1	31.2	29.0	28.7
Louisville .....	24.4	25.6	25.5	80.3	81.4	80.6	53.0	51.6	52.1
Owensboro .....	1.3	1.3	1.2	6.5	6.4	6.4	4.8	4.3	4.6
<b>Louisiana</b> .....	83.4	83.8	83.4	305.9	309.1	312.8	315.0	311.9	319.2
Alexandria .....	2.9	2.9	2.9	11.8	11.8	11.9	15.8	15.4	15.8
Baton Rouge .....	12.2	12.7	12.7	38.2	40.2	40.6	54.4	52.5	54.8
Lafayette .....	3.8	3.8	3.8	18.4	18.6	18.8	10.4	9.5	9.5
Lake Charles .....	2.9	3.0	3.0	11.0	10.5	10.5	10.3	10.6	10.5
Monroe .....	4.0	4.1	4.1	10.2	10.3	10.4	8.9	10.0	9.8
New Orleans .....	31.8	31.4	30.8	122.2	124.9	125.6	81.4	85.7	85.5
Shreveport .....	8.1	8.1	8.0	32.6	32.9	33.0	25.5	22.7	25.9
<b>Maine</b> .....	18.1	19.2	19.2	87.4	95.2	89.7	80.0	77.4	81.2
Lewiston-Auburn .....	1.6	1.8	1.8	7.2	7.5	7.5	3.1	2.9	3.1
Portland .....	8.5	9.1	9.0	22.8	24.7	24.4	12.5	12.2	13.2
<b>Maryland</b> .....	97.4	99.5	98.2	400.9	417.3	414.5	385.6	379.3	377.4
Baltimore SMSA .....	59.7	60.5	59.8	212.2	220.2	218.4	196.2	196.0	194.4
Baltimore City .....	39.7	40.0	39.6	112.3	118.6	117.0	80.0	82.6	77.3

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>Massachusetts</b> .....	2,707.1	2,737.9	2,757.8	1.2	1.2	1.2	88.7	94.8	93.8
Boston .....	1,508.4	1,527.8	1,542.3	.5	.5	.5	47.6	47.4	46.9
Brockton .....	57.5	57.9	58.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.8	2.8
Fall River .....	56.0	55.9	56.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	2.0	2.0
Fitchburg-Leominster .....	41.5	41.8	42.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.5	1.5
Lawrence-Haverhill .....	114.7	115.0	115.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.3	3.7	3.7
Lowell .....	86.1	87.8	89.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.6	2.2	2.2
New Bedford .....	65.9	68.7	68.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.8	2.7
Pittsfield .....	52.0	53.6	53.0	.1	( <sup>1</sup> )	( <sup>1</sup> )	1.8	2.1	2.0
Springfield-Chicopee-Holyoke .....	234.4	225.9	233.0	.1	.1	.2	6.5	6.8	6.6
Worcester .....	157.2	153.2	157.2	.6	.6	.6	4.4	4.0	4.1
<b>Michigan</b> .....	3,240.9	3,272.0	3,341.0	9.1	9.3	9.1	95.0	105.1	105.3
Ann Arbor .....	138.0	134.7	141.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	3.4	3.4
Battle Creek .....	59.9	61.4	63.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	2.0	2.1
Bay City .....	32.5	33.1	33.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.0	1.1	1.2
Benton Harbor .....	55.5	58.4	57.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.6	2.4
Detroit .....	1,562.5	1,592.9	1,620.1	.8	.8	.8	41.3	48.6	49.5
Flint .....	180.4	179.4	188.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.2	4.2	4.3
Grand Rapids .....	267.2	271.8	274.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.3	10.9	10.9
Jackson .....	46.3	47.0	48.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.2	1.3	1.3
Kalamazoo-Portage .....	106.9	107.3	109.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.9	4.1	4.0
Lansing-East Lansing .....	188.2	188.9	192.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.4	6.2	6.0
Muskegon-Norton Shores-Muskegon Heights .....	55.5	59.0	58.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.3	2.3
Saginaw .....	79.0	83.3	84.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.7	2.8
<b>Minnesota</b> .....	1,749.6	1,840.1	1,862.4	7.6	9.5	9.4	71.2	85.2	85.1
Duluth-Superior .....	52.9	51.8	53.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.8	1.9
Minneapolis-St. Paul .....	1,091.1	1,144.1	1,154.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	41.8	48.0	48.2
Rochester .....	51.7	53.0	52.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	1.9	1.8
St. Cloud .....	57.7	55.2	58.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.2	3.4	3.3
<b>Mississippi</b> .....	799.2	792.8	812.2	8.8	9.1	9.1	34.6	33.6	33.2
Jackson .....	146.2	147.1	149.4	1.6	1.7	1.7	6.1	7.5	7.2
<b>Missouri</b> .....	1,944.8	1,955.6	1,977.3	6.6	6.0	6.0	81.0	83.0	81.9
Kansas City .....	615.3	627.9	633.8	.5	.6	.6	24.4	27.1	27.3
St. Joseph .....	36.4	36.7	36.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.9	1.8
St. Louis .....	999.0	1,017.8	1,026.2	3.4	3.9	3.9	47.4	52.7	53.6
Springfield .....	91.7	91.4	93.7	.1	.1	.1	3.4	3.8	3.7
<b>Montana</b> .....	273.1	274.0	277.5	7.0	6.5	6.4	14.9	13.5	13.0
<b>Nebraska</b> .....	617.3	627.0	633.9	1.7	1.7	1.7	24.1	23.7	23.4
Lincoln .....	96.9	96.5	99.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.1	3.4	3.4
Omaha .....	266.8	273.5	275.7	.1	.2	.2	10.3	10.6	10.8
<b>Nevada</b> .....	417.0	420.7	423.9	6.2	6.6	6.5	21.6	21.1	20.8
Las Vegas .....	234.2	233.7	236.5	.3	.4	.3	12.9	12.8	12.4
Reno .....	115.5	117.6	118.0	.7	.8	.8	5.8	5.6	5.5
<b>New Hampshire</b> .....	420.7	439.8	436.1	4	4	5	26.6	22.5	22.6
Manchester .....	79.6	83.5	83.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.7	4.4	4.4
Nashua .....	73.6	77.2	77.6	.2	.2	.2	3.1	3.3	3.3
<b>New Jersey</b> .....	3,190.7	3,314.9	3,302.5	2.0	1.9	2.0	121.2	138.5	137.9
Atlantic City .....	109.8	121.3	117.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.5	5.1	5.0
Camden .....	360.2	364.9	365.9	.1	.1	.1	13.9	14.7	14.6
Hackensack .....	409.5	417.9	418.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	15.4	15.4	15.1
Jersey City .....	221.2	224.1	222.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.9	5.3	5.3
Long Branch-Asbury Park .....	175.4	190.8	187.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.7	9.7	9.6
New Brunswick-Perth Amboy-Sayreville .....	295.7	303.7	302.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.8	10.8	10.6
Newark .....	960.2	993.7	988.1	.7	.6	.6	31.5	35.3	34.6
Paterson-Clifton-Passaic .....	189.5	194.3	193.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.1	7.9	7.9
Trenton .....	166.1	169.8	172.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.2	4.0	4.0
Vineland-Millville-Bridgeton .....	52.1	50.7	51.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	1.7	1.8
<b>New Mexico</b> .....	486.6	498.5	502.0	20.2	21.4	21.5	35.2	38.2	37.8
Albuquerque .....	203.6	211.1	212.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	14.4	16.1	16.1
Las Cruces .....	34.1	33.6	36.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	3.0	2.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>Massachusetts</b> .....	632.5	644.4	645.9	122.0	120.1	124.0	616.9	633.0	638.6
Boston .....	286.7	292.6	294.1	72.9	72.3	74.3	336.2	337.3	341.9
Brockton .....	11.2	10.8	10.6	3.9	4.1	4.3	16.1	16.8	16.9
Fall River .....	20.0	19.6	19.7	1.8	2.1	2.0	12.7	12.7	12.9
Fitchburg-Leominster .....	16.5	16.2	16.1	1.7	1.4	1.6	8.6	9.6	9.9
Lawrence-Haverhill .....	42.5	43.7	43.9	5.0	4.5	4.8	23.3	22.7	22.9
Lowell .....	34.8	37.4	37.6	3.1	2.8	3.2	17.6	17.7	18.0
New Bedford .....	25.1	26.3	26.6	2.2	2.3	2.3	13.4	13.9	13.9
Pittsfield .....	15.6	16.0	15.9	1.3	1.1	1.2	12.4	13.1	13.1
Springfield-Chicopee-Holyoke .....	56.0	54.8	55.1	9.4	9.3	9.8	51.1	49.7	51.4
Worcester .....	39.8	38.8	38.9	7.1	6.4	6.5	37.5	37.4	38.7
<b>Michigan</b> .....	914.1	928.9	961.4	138.0	137.9	138.4	698.0	721.5	727.9
Ann Arbor .....	34.8	35.2	36.4	2.8	3.2	3.2	20.7	19.8	20.5
Battle Creek .....	17.5	18.8	18.3	2.0	2.1	2.1	10.5	10.6	10.6
Bay City .....	8.1	7.8	8.0	1.6	1.5	1.5	8.7	8.7	8.6
Benton Harbor .....	18.9	19.7	19.4	2.3	2.4	2.4	10.8	11.5	11.4
Detroit .....	426.2	438.3	453.6	72.4	71.0	70.8	354.7	369.0	372.8
Flint .....	67.2	65.8	72.8	5.1	4.8	4.9	41.3	43.3	43.8
Grand Rapids .....	87.8	91.6	92.9	10.5	10.7	10.7	65.8	65.7	66.6
Jackson .....	11.3	11.8	12.2	5.0	4.8	4.7	9.6	9.7	9.8
Kalamazoo-Portage .....	31.1	32.5	32.3	3.7	3.6	3.6	22.5	23.6	23.9
Lansing-East Lansing .....	40.6	38.2	40.4	5.4	5.1	5.1	35.6	36.9	37.8
Muskegon-Norton Shores-Muskegon Heights .....	17.9	19.8	19.9	2.9	2.9	2.9	11.2	11.7	11.6
Saginaw .....	26.0	26.1	27.4	4.6	4.4	4.4	17.2	18.1	18.0
<b>Minnesota</b> .....	359.3	384.1	383.3	95.1	96.0	98.4	437.8	468.4	471.6
Duluth-Superior .....	4.7	4.6	4.6	5.5	5.3	5.1	14.4	14.7	14.7
Minneapolis-St. Paul .....	238.0	254.6	254.6	62.6	65.4	66.8	265.3	279.1	281.4
Rochester .....	10.2	11.4	11.2	2.0	2.1	2.1	10.7	10.5	10.5
St. Cloud .....	10.4	10.3	10.3	3.5	3.5	3.5	16.4	17.0	17.3
<b>Mississippi</b> .....	209.7	211.1	210.9	38.7	38.6	38.7	165.9	170.6	172.3
Jackson .....	16.5	16.3	16.4	9.7	9.9	9.9	35.5	36.5	36.4
<b>Missouri</b> .....	408.6	419.4	421.4	132.3	135.7	137.2	460.7	466.8	467.2
Kansas City .....	111.4	116.7	117.2	50.2	49.8	50.5	158.9	160.8	160.9
St. Joseph .....	8.8	8.7	8.5	2.0	1.9	1.9	8.9	8.6	8.5
St. Louis .....	217.2	224.2	224.1	71.5	71.8	72.9	231.2	238.7	239.0
Springfield .....	18.8	20.1	19.8	6.1	5.9	6.0	25.7	26.2	26.4
<b>Montana</b> .....	21.3	21.5	21.0	20.5	20.3	20.1	71.7	72.5	71.7
<b>Nebraska</b> .....	86.5	91.2	91.0	43.4	42.4	42.3	158.0	160.9	161.3
Lincoln .....	11.8	12.2	12.4	6.2	6.3	6.4	21.3	20.8	21.1
Omaha .....	35.1	36.6	36.8	22.5	22.2	22.1	66.9	68.0	67.9
<b>Nevada</b> .....	19.4	20.5	20.3	24.7	24.7	24.6	82.5	83.9	84.5
Las Vegas .....	7.4	7.8	7.7	14.0	14.0	13.9	46.9	47.3	47.7
Reno .....	7.6	7.9	7.8	8.0	8.0	8.0	25.0	25.9	26.1
<b>New Hampshire</b> .....	115.8	123.7	123.6	15.8	15.5	16.0	97.5	103.1	102.0
Manchester .....	16.7	17.5	17.6	5.1	5.2	5.2	20.9	22.2	22.1
Nashua .....	34.2	36.9	36.7	2.0	1.9	2.1	14.2	14.6	14.5
<b>New Jersey</b> .....	724.0	739.6	743.9	206.6	208.3	211.7	743.3	785.5	784.1
Atlantic City .....	8.0	7.9	8.0	4.7	4.6	4.7	21.6	23.9	22.5
Camden .....	70.9	72.0	71.5	16.1	16.6	16.5	95.3	96.7	98.3
Hackensack .....	103.1	102.1	102.5	21.4	21.3	21.4	125.0	129.1	131.2
Jersey City .....	60.3	59.8	59.7	26.5	26.1	26.3	47.1	47.6	48.1
Long Branch-Asbury Park .....	23.8	23.5	23.8	7.2	7.3	7.5	45.5	49.7	48.8
New Brunswick-Perth Amboy-Sayreville .....	81.3	83.3	83.3	24.2	23.9	23.9	71.7	72.8	73.3
Newark .....	223.6	225.8	226.6	79.3	81.3	81.6	195.3	202.8	204.7
Paterson-Clifton-Passaic .....	64.4	64.6	64.7	7.1	6.9	6.8	40.9	42.1	42.4
Trenton .....	31.0	31.2	31.6	5.4	4.8	5.0	26.6	28.8	29.0
Vineland-Millville-Bridgeton .....	15.9	14.3	14.7	2.6	2.7	2.7	9.3	9.5	9.4
<b>New Mexico</b> .....	35.3	35.6	35.8	29.6	28.3	28.9	113.2	119.3	118.7
Albuquerque .....	18.8	19.7	19.8	12.3	11.4	11.7	51.1	53.5	53.3
Las Cruces .....	3.7	3.4	4.0	1.4	1.2	1.2	6.5	7.5	7.6

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>Massachusetts</b> .....	172.8	177.1	175.4	713.6	714.3	723.3	359.4	353.0	355.6
Boston .....	120.6	123.0	122.4	466.3	475.7	483.2	177.6	179.0	179.0
Brockton .....	2.2	2.1	2.1	10.9	11.2	11.1	10.9	10.1	10.4
Fall River .....	2.9	2.9	3.0	10.8	10.9	10.8	6.2	5.7	6.2
Fitchburg-Leominster .....	1.2	1.2	1.2	6.9	6.8	6.8	5.3	5.1	5.7
Lawrence-Haverhill .....	4.4	4.5	4.4	20.8	21.0	20.9	15.4	14.9	15.3
Lowell .....	2.5	2.6	2.6	14.0	14.4	14.9	11.5	10.7	11.2
New Bedford .....	2.2	2.3	2.3	11.4	11.8	11.6	9.3	9.3	9.5
Pittsfield .....	2.3	2.4	2.3	12.0	12.8	12.1	6.5	6.0	6.3
Springfield-Chicopee-Holyoke .....	14.6	14.6	14.3	51.6	49.4	51.2	45.1	41.2	44.4
Worcester .....	9.9	10.0	9.7	35.4	34.7	36.8	22.5	21.3	22.1
<b>Michigan</b> .....	152.1	158.9	157.0	664.1	670.9	674.4	570.6	539.4	567.6
Ann Arbor .....	4.3	4.5	4.5	25.0	26.7	26.6	46.5	41.8	46.8
Battle Creek .....	4.1	4.1	4.1	12.0	11.7	12.1	12.2	12.2	14.1
Bay City .....	1.4	1.5	1.4	6.3	6.9	6.9	5.5	5.6	5.4
Benton Harbor .....	1.9	2.0	2.0	11.5	12.2	12.1	7.8	8.0	8.0
Detroit .....	88.9	90.5	89.8	360.6	365.3	366.7	217.5	209.5	216.2
Flint .....	5.9	6.0	6.0	29.5	29.4	29.5	27.2	25.9	27.5
Grand Rapids .....	11.0	11.2	11.0	53.5	53.0	53.8	28.4	28.7	28.8
Jackson .....	1.6	1.6	1.6	9.4	9.7	9.8	8.0	8.1	8.6
Kalamazoo-Portage .....	4.0	4.1	4.1	21.7	22.6	22.0	20.0	16.9	19.8
Lansing-East Lansing .....	9.8	9.8	9.7	31.1	32.3	32.7	61.3	60.5	60.4
Muskegon-Norton Shores-Muskegon Heights .....	1.5	1.5	1.5	10.3	10.7	10.4	9.6	10.1	10.1
Saginaw .....	3.7	3.6	3.5	14.5	16.0	16.0	10.7	12.4	12.6
<b>Minnesota</b> .....	101.9	107.0	108.9	401.1	421.3	424.9	275.6	268.6	282.8
Duluth-Superior .....	2.1	2.2	2.2	13.5	13.6	13.9	11.1	9.5	11.0
Minneapolis-St. Paul .....	76.2	79.4	79.4	263.5	274.6	278.3	143.6	143.1	145.4
Rochester .....	1.6	1.6	1.5	20.4	20.7	20.5	5.1	4.8	5.1
St. Cloud .....	2.0	2.1	2.1	11.2	11.1	11.3	10.9	7.8	10.9
<b>Mississippi</b> .....	33.9	34.6	34.5	124.9	124.4	127.6	182.6	170.7	185.9
Jackson .....	11.6	11.8	11.8	30.8	30.9	31.5	34.6	32.5	34.6
<b>Missouri</b> .....	110.4	110.7	109.8	416.4	420.3	418.6	328.8	313.7	335.2
Kansas City .....	47.2	49.5	49.2	138.3	141.3	139.9	84.4	82.1	88.2
St. Joseph .....	2.0	2.2	2.2	7.7	7.8	7.7	5.6	5.6	5.8
St. Louis .....	59.3	60.2	59.7	234.0	236.5	236.5	135.0	129.8	136.5
Springfield .....	3.8	3.8	3.8	22.2	21.6	22.3	11.6	9.9	11.6
<b>Montana</b> .....	13.0	13.1	12.9	58.8	61.7	61.1	65.9	65.0	71.2
<b>Nebraska</b> .....	41.8	43.4	43.2	127.8	130.5	132.2	134.0	133.2	138.8
Lincoln .....	7.0	7.3	7.3	19.1	19.1	19.7	28.3	27.4	28.7
Omaha .....	24.1	25.4	25.3	65.6	67.3	68.8	42.1	43.2	43.9
<b>Nevada</b> .....	19.2	19.1	19.0	185.4	188.1	188.4	58.0	56.7	59.8
Las Vegas .....	11.0	11.1	11.2	114.5	114.1	115.1	27.2	26.2	28.2
Reno .....	6.4	6.0	5.9	45.5	47.3	47.1	16.5	16.1	16.8
<b>New Hampshire</b> .....	21.9	23.5	23.3	88.3	99.7	93.4	54.4	51.4	54.7
Manchester .....	6.3	6.6	6.5	18.5	19.2	19.2	8.4	8.3	8.3
Nashua .....	2.3	2.6	2.6	12.3	12.9	12.7	5.3	4.8	5.5
<b>New Jersey</b> .....	174.0	180.5	178.6	704.3	736.3	725.9	515.2	524.3	518.4
Atlantic City .....	5.0	5.0	5.1	49.2	57.4	55.2	16.9	17.4	17.0
Camden .....	18.5	18.9	18.8	77.1	77.2	76.5	68.3	68.7	69.6
Hackensack .....	20.1	21.1	20.8	83.9	86.6	86.1	40.6	42.3	41.7
Jersey City .....	8.2	8.7	8.7	34.5	33.2	33.3	39.6	43.4	40.6
Long Branch-Asbury Park .....	8.4	8.7	8.4	47.3	53.1	51.2	35.5	38.8	36.0
New Brunswick-Perth Amboy-Sayreville .....	14.2	14.7	14.6	48.8	50.7	50.1	45.6	47.5	47.1
Newark .....	68.7	71.3	70.8	220.9	231.1	230.0	140.3	145.5	139.2
Paterson-Clifton-Passaic .....	9.5	9.1	9.0	35.9	37.7	37.5	24.6	26.0	25.2
Trenton .....	8.0	8.1	8.1	44.6	46.7	47.5	47.3	46.2	46.9
Vineland-Millville-Bridgeton .....	2.7	2.7	2.7	9.4	9.3	9.2	10.4	10.5	10.6
<b>New Mexico</b> .....	23.7	24.7	24.5	100.9	106.5	104.5	128.5	124.5	130.3
Albuquerque .....	12.0	12.5	12.5	50.6	53.7	53.5	44.4	44.2	46.0
Las Cruces .....	1.3	1.4	1.4	4.4	4.7	4.7	14.4	12.4	14.7

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		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>New York</b> .....	7,319.4	7,467.2	7,486.1	7.4	7.8	7.8	246.8	260.6	259.9
Albany-Schenectady-Troy .....	340.3	350.6	348.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.3	13.7	13.6
Binghamton .....	117.4	120.4	121.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.5	5.5	5.3
Buffalo .....	467.5	469.0	467.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.6	16.4	16.4
Elmira .....	34.0	35.1	34.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.2	1.2	1.3
Glens Falls .....	39.6	43.3	40.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.1	1.3	1.2
Monroe County .....	339.4	341.5	343.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.4	11.5	11.4
Nassau-Suffolk .....	981.7	1,020.4	1,015.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	42.9	46.5	46.3
Newburgh-Middletown .....	83.1	84.7	84.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.7	3.0	3.0
New York-Northeastern New Jersey .....	6,867.6	7,023.3	( <sup>2</sup> )	2.5	2.4	( <sup>2</sup> )	223.4	237.9	( <sup>2</sup> )
New York and Nassau-Suffolk .....	4,791.5	4,890.0	4,918.5	2.2	2.3	2.3	154.6	163.1	164.4
New York SMSA .....	3,809.8	3,869.7	3,902.6	2.0	2.1	2.1	111.8	116.6	118.1
New York City .....	3,346.9	3,395.6	3,433.8	1.7	1.8	1.8	89.3	93.5	94.8
Poughkeepsie .....	105.5	109.4	108.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	4.2	4.1
Rochester .....	418.2	423.3	425.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.7	14.4	14.4
Rockland County .....	87.1	88.5	87.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.2	3.4	3.5
Syracuse .....	266.1	268.2	270.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	14.6	15.6	15.2
Utica-Rome .....	111.2	116.4	115.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.2	3.8	3.9
Westchester County .....	362.4	371.4	368.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.5	19.1	19.1
<b>North Carolina</b> .....	2,447.2	2,462.9	2,515.1	4.4	4.6	4.5	118.2	126.3	125.8
Asheville .....	72.3	72.3	72.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	2.9	2.8
Charlotte-Gastonia .....	347.3	352.6	357.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.1	19.2	19.0
Greensboro-Winston-Salem-High Point .....	396.5	397.2	404.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.2	19.6	19.8
Raleigh-Durham .....	295.7	302.2	308.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	17.1	18.8	18.5
<b>North Dakota</b> .....	254.0	251.4	255.2	6.9	8.4	8.2	20.9	17.6	17.2
Fargo-Moorhead .....	62.7	61.1	63.5	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	3.4	3.3	3.3
<b>Ohio</b> .....	4,157.0	4,176.3	4,229.3	27.5	28.1	28.1	144.6	145.0	145.0
Akron .....	251.3	250.2	255.8	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	8.0	8.2	8.1
Canton .....	146.1	148.0	149.3	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	4.9	5.4	5.4
Cincinnati .....	580.8	588.2	590.9	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	22.6	22.1	21.9
Cleveland .....	834.9	831.4	833.6	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	27.9	25.8	25.6
Columbus .....	504.9	513.8	518.4	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	17.1	17.6	17.7
Dayton .....	340.7	343.6	350.1	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	10.3	10.3	10.2
Toledo .....	287.3	287.7	295.5	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	10.4	10.4	10.8
Youngstown-Warren .....	182.3	180.5	184.4	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	5.4	5.5	5.5
<b>Oklahoma</b> .....	1,175.5	1,179.1	1,188.3	74.0	74.3	73.6	53.3	48.4	47.4
Enid .....	27.3	25.8	26.1	2.2	2.0	2.0	1.4	1.2	1.0
Lawton .....	32.1	31.9	32.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.1	1.1
Oklahoma City .....	427.7	433.1	441.4	22.8	23.9	23.6	19.8	19.1	18.9
Tulsa .....	304.7	308.3	309.1	22.6	22.9	22.7	15.0	15.1	15.1
<b>Oregon</b> .....	984.2	997.3	1,011.3	1.8	2.3	2.3	30.6	31.6	31.2
Eugene-Springfield .....	93.3	93.3	94.6	.3	.3	.3	3.1	3.4	3.4
Medford .....	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Portland .....	521.4	532.0	536.7	.7	.7	.7	17.1	19.0	19.4
Salem .....	87.3	87.9	87.5	.1	.1	.1	2.6	2.6	2.5
<b>Pennsylvania</b> .....	4,563.9	4,625.7	4,636.3	40.4	39.4	40.1	184.0	190.3	190.6
Allentown-Bethlehem-Easton .....	250.4	256.7	255.9	.7	.7	.6	8.0	8.3	7.8
Altoona .....	46.9	47.9	48.0	.1	.2	.2	1.9	1.7	1.8
Delaware Valley .....	1,569.1	1,601.4	1,601.4	1.1	1.1	1.1	62.3	64.5	66.4
Erie .....	104.7	106.2	107.9	.2	.3	.3	3.0	3.2	3.2
Harrisburg .....	227.3	232.5	230.8	.1	.1	.1	8.0	8.6	8.3
Johnstown .....	75.1	75.9	76.2	6.1	6.3	6.4	2.4	2.7	2.7
Lancaster .....	153.6	156.6	157.8	.4	.4	.4	6.5	6.8	6.8
Northeast Pennsylvania .....	233.2	238.0	236.5	.8	.7	.8	10.0	8.6	8.7
Philadelphia SMSA .....	1,929.9	1,965.9	1,967.4	1.1	1.2	1.2	76.2	79.2	81.0
Philadelphia City .....	746.6	762.4	755.2	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	18.3	19.2	19.5
Pittsburgh .....	857.9	858.0	860.0	6.7	6.6	6.6	40.7	43.7	43.7
Reading .....	137.8	140.0	142.9	.2	.2	.2	4.7	5.6	5.5
Sharon .....	39.3	40.2	40.7	.4	.5	.5	.9	1.0	1.1
State College .....	47.5	46.8	49.7	.4	.3	.3	1.9	1.6	1.6
Williamsport .....	43.4	45.6	45.4	.2	.2	.2	1.1	1.2	1.2
York .....	151.3	154.9	155.8	.4	.4	.4	5.7	6.3	6.0

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>New York</b>	1,315.6	1,328.5	1,332.2	420.5	404.2	410.2	1,503.5	1,545.1	1,554.8
Albany-Schenectady-Troy	51.6	50.9	50.9	15.3	15.5	15.8	70.5	74.3	74.7
Binghamton	41.3	42.6	42.3	4.4	4.5	4.4	21.8	22.8	22.7
Buffalo	104.6	102.0	102.4	25.2	24.7	25.3	110.8	111.4	111.7
Elmira	8.2	8.4	8.1	1.4	1.4	1.4	8.7	9.1	9.2
Glens Falls	9.8	9.8	9.7	1.3	1.4	1.4	8.6	9.9	9.0
Monroe County	126.2	126.6	126.5	10.3	10.0	10.0	65.4	66.0	66.2
Nassau-Suffolk	169.3	171.9	172.3	44.2	41.1	44.0	261.9	275.0	276.3
Newburgh-Middletown	14.3	14.5	14.7	5.4	5.1	5.2	20.1	20.6	20.5
New York-Northeastern New Jersey	1,223.9	1,228.6	( <sup>1</sup> )	468.7	458.2	( <sup>1</sup> )	1,458.8	1,502.5	( <sup>1</sup> )
New York and Nassau-Suffolk	691.2	693.9	697.9	310.1	298.9	304.6	978.9	1,008.2	1,016.1
New York SMSA	521.9	522.1	525.6	265.9	257.7	260.7	717.0	733.2	739.7
New York City	437.7	437.4	441.3	241.4	234.3	237.2	607.1	621.2	627.1
Poughkeepsie	33.4	35.1	34.7	3.3	3.3	3.3	17.5	18.1	18.2
Rochester	147.0	148.0	148.5	13.0	12.7	12.7	83.7	84.7	84.8
Rockland County	15.6	15.6	15.7	3.6	3.5	3.6	19.2	19.6	19.8
Syracuse	56.8	57.5	57.9	15.0	15.1	15.0	59.2	60.0	60.4
Utica-Rome	26.5	28.9	28.5	4.2	4.2	4.3	23.1	24.0	23.9
Westchester County	67.3	67.6	67.3	20.4	19.3	19.3	87.1	88.7	89.3
<b>North Carolina</b>	804.1	813.9	815.2	121.5	123.8	124.0	514.7	534.7	536.7
Asheville	20.9	20.8	20.8	3.5	3.6	3.6	15.7	16.0	16.0
Charlotte-Gastonia	90.2	93.8	93.3	32.0	32.4	32.6	85.3	86.5	86.5
Greensboro-Winston-Salem-High Point	144.6	148.3	148.4	21.5	21.9	22.1	81.5	84.7	84.7
Raleigh-Durham	49.0	52.3	52.5	14.5	14.9	14.7	57.7	59.9	60.2
<b>North Dakota</b>	15.5	15.3	15.9	16.6	16.3	16.5	66.4	66.8	66.7
Fargo-Moorhead	4.8	4.8	4.9	3.8	3.6	3.7	18.8	19.0	19.0
<b>Ohio</b>	1,094.3	1,120.1	1,126.5	201.0	200.7	201.1	936.0	944.0	947.4
Akron	66.0	67.4	68.0	12.7	12.6	12.7	57.9	58.0	58.4
Canton	44.6	45.7	46.0	6.0	5.9	5.9	33.6	34.1	34.4
Cincinnati	141.4	146.0	143.3	31.7	31.1	31.1	140.7	141.6	142.8
Cleveland	209.9	208.9	210.2	42.0	41.9	42.0	194.0	192.6	193.6
Columbus	85.3	88.7	89.4	23.0	23.7	23.8	122.7	126.4	126.9
Dayton	88.6	91.6	92.7	12.9	13.0	13.1	72.6	73.4	74.2
Toledo	72.7	75.7	77.1	17.7	17.8	17.9	64.2	64.6	64.6
Youngstown-Warren	55.2	54.5	55.2	7.7	7.5	7.6	42.2	42.0	42.1
<b>Oklahoma</b>	167.3	177.6	177.1	66.4	66.4	65.8	288.1	293.5	294.1
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	1.4	8.5	8.4	8.6
Oklahoma City	50.4	53.9	54.4	23.0	23.4	23.1	109.0	113.1	114.4
Tulsa	53.1	55.9	55.9	22.3	22.6	22.7	71.2	73.1	72.9
<b>Oregon</b>	198.6	208.5	207.9	56.5	55.6	56.0	249.6	254.3	255.5
Eugene-Springfield	19.2	19.6	19.7	4.4	4.1	4.2	23.9	24.2	24.5
Medford	8.2	8.9	9.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Portland	95.8	103.8	102.4	34.5	34.8	35.0	139.7	143.1	143.6
Salem	16.6	17.8	16.2	2.7	2.6	2.6	19.3	19.1	19.6
<b>Pennsylvania</b>	1,106.2	1,119.4	1,116.7	246.4	243.4	250.2	1,005.8	1,016.0	1,019.3
Allentown-Bethlehem-Easton	87.8	90.1	88.8	13.5	13.9	13.8	51.1	52.5	53.1
Altoona	11.1	11.5	11.4	5.2	5.1	5.1	10.8	11.3	11.4
Delaware Valley	319.3	321.4	321.3	79.4	80.4	82.0	343.6	349.4	353.9
Erie	34.4	35.3	35.9	4.4	4.3	4.3	21.9	22.8	22.8
Harrisburg	41.6	43.4	42.7	16.3	16.0	16.0	47.6	48.9	48.4
Johnstown	12.6	12.7	12.3	4.8	4.4	4.9	15.4	15.8	15.9
Lancaster	56.8	58.2	57.8	6.1	6.3	6.2	36.0	37.3	37.3
Northeast Pennsylvania	62.4	63.7	63.5	12.8	12.6	12.8	51.8	52.4	52.5
Philadelphia SMSA	390.3	393.3	392.9	95.4	97.0	98.5	441.0	446.0	452.2
Philadelphia City	109.7	109.3	109.3	48.6	48.9	48.7	143.5	144.5	146.3
Pittsburgh	164.8	157.8	155.9	52.7	53.2	53.4	206.9	208.4	208.3
Reading	50.7	51.8	52.7	5.7	5.4	5.7	29.0	30.3	30.4
Sharon	10.6	11.1	11.3	2.1	2.1	2.1	9.4	9.6	9.5
State College	7.4	7.7	7.9	1.2	1.3	1.3	9.2	8.8	9.2
Williamsport	13.8	15.1	15.6	2.0	2.0	2.0	9.6	9.7	9.7
York	57.0	59.5	59.3	7.2	7.3	7.4	34.9	36.4	36.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>New York</b> .....	693.2	713.5	709.3	1,881.8	1,912.9	1,950.5	1,250.6	1,294.7	1,261.5
Albany-Schenectady-Troy .....	17.0	17.5	17.3	79.8	82.9	81.1	93.8	95.7	95.4
Binghamton .....	3.9	4.0	3.9	20.8	21.3	21.5	20.7	19.7	20.9
Buffalo .....	22.8	23.5	23.5	107.9	106.9	109.3	79.5	84.0	79.1
Elmira .....	1.1	1.2	1.1	7.2	7.5	7.3	6.2	6.4	6.1
Glens Falls .....	1.9	1.9	1.9	8.9	11.2	9.4	8.0	7.8	8.0
Monroe County .....	15.3	15.8	15.4	75.5	75.2	77.2	36.3	36.4	36.6
Nassau-Suffolk .....	58.0	59.6	59.5	243.3	258.5	254.7	162.2	167.7	162.8
Newburgh-Middletown .....	3.2	3.4	3.3	17.3	18.6	17.6	20.1	19.5	19.8
New York-Northeastern New Jersey .....	702.7	722.9	( <sup>1</sup> )	1,752.5	1,785.9	( <sup>1</sup> )	1,035.1	1,084.9	( <sup>1</sup> )
New York and Nassau-Suffolk .....	582.0	597.7	595.4	1,328.0	1,344.7	1,379.4	744.5	781.2	758.4
New York SMSA .....	524.0	538.1	535.9	1,084.9	1,086.4	1,124.9	582.3	613.5	595.5
New York City .....	498.2	511.7	509.9	963.6	956.5	999.3	507.9	539.2	522.6
Poughkeepsie .....	3.2	3.5	3.4	21.3	22.0	22.0	22.8	23.2	23.1
Rochester .....	17.0	17.6	17.2	88.4	88.9	91.0	56.3	57.1	57.0
Rockland County .....	3.5	3.5	3.5	21.3	22.8	21.6	20.7	20.0	19.5
Syracuse .....	17.5	18.0	17.7	57.7	55.9	58.6	45.3	46.1	45.1
Utica-Rome .....	6.0	6.2	6.2	21.8	21.5	21.9	26.4	27.7	27.1
Westchester County .....	21.8	22.4	22.1	96.7	103.2	100.6	50.5	51.1	50.2
<b>North Carolina</b> .....	101.6	104.9	104.1	368.8	380.5	380.5	413.9	374.2	424.3
Asheville .....	2.3	2.5	2.6	15.1	16.3	14.9	12.0	10.2	11.3
Charlotte-Gastonia .....	23.5	23.9	23.7	60.8	61.4	62.6	37.4	35.4	39.7
Greensboro-Winston-Salem-High Point .....	19.0	19.4	19.1	63.6	63.8	63.2	48.1	39.5	47.3
Raleigh-Durham .....	16.3	17.3	17.4	63.8	64.2	65.5	77.3	74.8	79.4
<b>North Dakota</b> .....	11.9	12.2	12.1	56.2	56.9	57.4	59.6	57.9	61.2
Fargo-Moorhead .....	3.9	4.1	4.0	15.3	15.7	15.8	12.7	10.6	12.8
<b>Ohio</b> .....	211.8	215.7	215.0	891.3	905.5	911.8	650.4	617.2	654.3
Akron .....	9.4	9.7	9.5	54.1	57.4	55.9	42.6	36.1	42.5
Canton .....	6.5	6.7	6.8	31.1	31.8	32.0	18.0	17.1	17.5
Cincinnati .....	32.9	33.8	33.9	132.4	138.1	138.1	78.8	75.0	79.5
Cleveland .....	49.3	48.4	48.1	197.7	200.7	202.1	112.9	111.9	110.5
Columbus .....	44.1	45.9	45.5	113.4	116.3	116.6	98.7	94.6	98.0
Dayton .....	14.0	14.3	14.3	77.2	77.7	79.5	64.9	63.0	66.0
Toledo .....	10.7	11.0	11.0	64.8	66.4	66.6	46.2	41.2	47.1
Youngstown-Warren .....	7.2	7.4	7.4	40.3	40.7	41.4	23.5	22.3	24.7
<b>Oklahoma</b> .....	62.6	64.7	64.2	221.4	223.7	224.1	242.4	230.5	242.0
Enid .....	1.3	1.3	1.3	5.5	5.5	5.5	4.0	3.5	3.8
Lawton .....	1.4	1.4	1.3	5.9	5.8	6.0	10.0	10.2	10.5
Oklahoma City .....	27.6	28.3	28.1	82.4	84.7	86.3	92.7	86.7	92.6
Tulsa .....	16.5	17.3	17.3	67.6	67.4	66.7	36.4	34.0	35.8
<b>Oregon</b> .....	66.0	67.3	67.5	196.7	201.5	203.1	184.4	176.2	187.8
Eugene-Springfield .....	4.6	4.5	4.5	19.0	19.1	19.2	18.8	18.1	18.8
Medford .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Portland .....	43.8	43.6	43.5	112.5	114.1	114.1	77.3	72.9	78.0
Salem .....	5.2	5.3	5.3	15.2	15.2	15.5	25.6	25.2	25.7
<b>Pennsylvania</b> .....	243.2	256.8	253.5	1,083.4	1,105.8	1,108.3	654.5	654.6	657.6
Allentown-Bethlehem-Easton .....	9.8	10.3	10.1	51.2	53.6	53.8	28.3	27.3	27.9
Altoona .....	1.5	1.5	1.5	9.1	9.3	9.4	7.2	7.3	7.2
Delaware Valley .....	109.2	117.0	115.8	439.7	444.6	448.5	214.5	223.0	212.4
Erie .....	4.7	4.8	4.8	24.2	23.9	24.2	11.9	11.6	12.4
Harrisburg .....	13.0	14.0	13.9	45.4	46.2	45.6	55.3	55.3	55.8
Johnstown .....	3.8	4.2	4.1	17.1	17.2	17.2	12.9	12.6	12.7
Lancaster .....	5.7	5.8	5.8	28.5	28.6	29.1	13.6	13.2	14.4
Northeast Pennsylvania .....	9.9	10.4	10.4	51.6	54.6	52.9	33.9	35.0	34.9
Philadelphia SMSA .....	127.6	135.9	134.6	515.4	521.8	525.0	282.9	291.5	282.0
Philadelphia City .....	63.4	65.2	64.7	228.1	227.5	231.5	135.0	147.8	135.2
Pittsburgh .....	48.5	50.5	50.0	233.9	232.6	236.1	103.7	105.2	106.0
Reading .....	6.4	6.7	6.6	25.6	26.0	26.0	15.5	14.0	15.8
Sharon .....	1.3	1.4	1.3	9.8	9.8	9.8	4.8	4.7	5.1
State College .....	1.4	1.5	1.5	6.9	7.5	7.5	19.1	18.1	20.4
Williamsport .....	2.1	2.2	2.2	8.8	9.1	8.9	5.8	6.1	5.6
York .....	4.2	4.4	4.4	24.2	23.8	24.4	17.7	16.8	17.0

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		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>Rhode Island</b> .....	399.7	404.4	408.6	0.1	0.1	0.1	12.5	13.6	13.6
Providence-Warwick-Pawtucket .....	401.7	404.8	408.6	.2	.2	.3	12.1	13.2	13.2
<b>South Carolina</b> .....	1,201.7	1,234.5	1,252.7	1.7	1.8	1.8	71.3	72.7	71.7
Charleston-North Charleston .....	154.3	160.0	161.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.2	10.7	10.5
Columbia .....	190.4	192.0	195.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.4	12.1	12.0
Greenville-Spartanburg .....	264.5	262.7	268.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.7	16.7	16.2
<b>South Dakota</b> .....	239.1	240.5	241.3	2.7	2.8	2.7	9.9	10.1	9.8
Sioux Falls .....	57.3	59.9	60.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.6	2.9	2.8
<b>Tennessee</b> .....	1,750.4	1,817.7	1,832.0	8.2	7.7	7.7	74.2	83.0	82.7
Chattanooga .....	165.7	169.2	171.9	1.2	1.2	1.2	6.1	7.0	7.2
Johnson City-Kingsport-Bristol .....	145.8	152.5	153.1	.3	.2	.3	7.1	9.2	9.1
Knoxville .....	202.7	203.9	203.7	1.3	1.3	1.3	9.0	9.9	9.7
Memphis .....	355.4	359.2	363.7	.1	.1	.1	14.4	14.8	14.8
Nashville-Davidson .....	397.7	392.7	396.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	19.0	22.8	22.9
<b>Texas</b> .....	6,209.5	6,342.8	6,367.0	258.1	273.1	271.9	425.3	409.2	403.4
Abilene .....	58.3	57.2	57.8	4.2	4.0	3.9	3.2	3.2	3.2
Amarillo .....	78.6	79.1	79.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.2	4.0	4.0
Austin .....	285.8	295.9	305.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	17.4	21.0	21.1
Beaumont-Port Arthur-Orange .....	140.4	141.2	141.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.8	9.3	9.4
Brownsville-Harlingen-San Benito .....	63.2	62.3	62.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.5	3.2	3.3
Bryan-College Station .....	45.7	45.3	47.5	1.1	1.1	1.1	3.0	3.4	3.4
Corpus Christi .....	128.1	129.3	130.5	7.2	7.4	7.6	9.7	9.7	9.5
Dallas-Fort Worth .....	1,602.9	1,658.3	1,673.4	28.6	28.2	28.1	98.9	105.4	104.8
El Paso .....	164.3	166.6	168.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.9	9.5	9.3
Galveston-Texas City .....	68.4	68.0	70.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.3	4.5	4.4
Houston .....	1,500.0	1,521.8	1,528.1	97.2	100.6	100.1	138.0	126.8	125.9
Killeen-Temple .....	60.9	64.1	63.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.7	4.1	4.0
Laredo .....	29.5	30.5	30.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.2	1.1
Longview-Marshall .....	67.9	67.2	67.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.9	4.8	4.7
Lubbock .....	91.8	90.0	91.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.4	4.3	4.2
McAllen-Pharr-Edinburg .....	76.1	76.0	77.1	1.4	1.5	1.5	5.2	5.1	5.0
Midland .....	51.7	57.6	59.5	12.1	13.1	13.6	3.7	3.6	3.6
Odessa .....	55.5	60.4	60.1	8.9	8.7	8.8	4.1	4.7	4.5
San Angelo .....	37.3	37.4	38.3	.9	.8	.8	2.4	2.5	2.4
San Antonio .....	440.0	455.9	460.8	3.4	3.6	3.7	31.3	33.4	32.8
Sherman-Denison .....	34.4	35.1	35.2	.2	.2	.2	1.3	1.3	1.3
Texarkana .....	46.3	47.7	48.2	.1	.1	.1	2.0	2.2	2.2
Tyler .....	57.4	58.2	58.7	3.0	2.9	2.9	2.6	2.4	2.5
Waco .....	75.0	76.8	78.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.9	4.4	4.3
Wichita Falls .....	53.0	53.3	53.9	3.2	3.2	3.3	2.1	2.0	2.0
<b>Utah</b> .....	580.7	599.7	606.3	14.4	12.7	12.6	33.5	36.5	36.7
Salt Lake City-Ogden .....	410.4	427.5	430.5	6.4	4.4	4.5	22.3	24.8	25.0
<b>Vermont</b> .....	209.5	210.6	213.4	.6	.6	.6	12.9	13.9	13.8
Burlington .....	63.2	63.9	65.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.9	4.4	4.5
Springfield .....	13.3	13.7	13.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.6	1.5
<b>Virginia</b> .....	2,229.5	2,291.6	2,321.9	18.1	19.0	18.5	120.8	135.3	134.6
Bristol .....	26.7	27.8	28.1	.1	.1	.1	.9	1.4	1.4
Charlottesville .....	58.2	55.9	58.4	.1	.1	.1	3.0	3.2	3.2
Danville .....	41.2	39.6	41.1	.1	.1	.1	1.4	1.7	1.7
Lynchburg .....	70.1	71.0	71.7	.1	.1	.1	2.7	2.9	2.8
Newport News-Hampton .....	160.0	170.0	170.2	.1	.1	.1	7.4	8.6	8.4
Norfolk-Virginia Beach-Portsmouth .....	307.0	319.8	323.5	.1	.1	.1	20.5	22.6	22.1
Northern Virginia .....	511.7	541.2	542.1	.6	.6	.6	30.0	35.1	35.2
Petersburg-Colonial Heights-Hopewell .....	41.0	39.8	40.8	.1	.1	.1	1.8	1.9	1.9
Richmond .....	336.8	340.6	344.3	.3	.4	.4	16.8	17.7	17.4
Roanoke .....	103.3	107.2	107.3	.1	.1	.1	5.6	6.1	6.0
<b>Washington</b> .....	1,607.8	1,647.1	1,667.0	2.9	2.8	2.7	78.1	81.3	82.4
Seattle-Everett .....	773.9	804.3	808.4	.4	.4	.4	37.0	38.8	39.0

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		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>Rhode Island</b> .....	118.1	121.5	121.7	13.7	13.2	13.8	84.2	85.0	84.9
Providence-Warwick-Pawtucket .....	127.7	129.9	130.3	13.8	13.4	13.9	84.1	84.6	84.4
<b>South Carolina</b> .....	368.1	374.2	374.0	54.8	57.2	56.8	243.8	255.9	255.1
Charleston-North Charleston .....	19.0	20.3	20.2	8.1	8.8	8.8	36.8	39.1	39.0
Columbia .....	26.0	26.9	27.1	9.4	8.7	8.8	39.7	41.5	41.6
Greenville-Spartanburg .....	98.6	99.2	99.3	9.7	9.5	9.5	54.2	55.3	55.9
<b>South Dakota</b> .....	26.8	28.6	28.3	12.5	12.2	12.4	63.1	66.1	65.0
Sioux Falls .....	8.3	8.9	9.2	4.4	4.8	4.7	15.5	16.8	16.5
<b>Tennessee</b> .....	481.5	500.0	498.0	84.8	92.1	92.5	398.0	412.9	414.9
Chattanooga .....	43.8	44.6	44.6	7.4	7.3	7.3	37.3	38.2	38.3
Johnson City-Kingsport-Bristol .....	52.7	54.4	54.7	5.9	5.6	5.6	28.7	29.2	28.9
Knoxville .....	48.7	51.0	50.9	7.5	7.1	7.1	46.5	47.8	47.6
Memphis .....	51.5	52.4	52.2	27.3	29.9	30.0	98.5	100.0	100.2
Nashville-Davidson .....	82.5	87.8	87.7	20.3	19.3	19.3	89.8	89.8	90.0
<b>Texas</b> .....	963.8	992.4	998.5	373.6	385.2	384.7	1,566.6	1,602.3	1,605.3
Abilene .....	6.5	5.9	5.9	3.2	3.1	3.1	15.0	15.2	15.2
Amarillo .....	9.6	9.6	9.7	6.6	6.7	6.6	23.3	24.4	24.2
Austin .....	33.7	36.1	36.4	8.1	8.1	8.1	64.0	68.3	68.7
Beaumont-Port Arthur-Orange .....	31.8	31.6	31.0	11.9	11.9	11.7	32.9	34.3	34.0
Brownsville-Harlingen-San Benito .....	11.0	11.0	10.8	3.2	3.3	3.2	17.4	17.3	17.3
Bryan-College Station .....	3.1	3.1	3.2	1.7	1.9	1.8	10.1	10.2	10.5
Corpus Christi .....	14.4	14.8	14.8	7.4	7.4	7.3	32.1	33.0	33.2
Dallas-Fort Worth .....	309.2	318.7	323.2	97.3	101.0	100.9	431.9	447.5	447.6
El Paso .....	36.6	38.8	38.7	9.8	9.8	9.6	39.6	40.9	41.1
Galveston-Texas City .....	10.5	10.0	9.9	6.2	5.8	5.9	12.7	12.6	12.4
Houston .....	198.8	199.1	198.9	105.6	107.3	107.6	361.4	372.2	373.5
Killeen-Temple .....	8.4	9.0	8.7	3.0	3.3	3.1	14.4	15.3	15.3
Laredo .....	1.7	1.8	1.7	3.2	3.2	3.2	8.9	9.2	9.2
Longview-Marshall .....	14.8	14.8	14.8	3.7	3.6	3.6	17.2	17.2	17.3
Lubbock .....	11.1	9.3	9.3	4.7	4.6	4.7	26.1	27.0	26.9
McAllen-Pharr-Edinburg .....	9.6	9.8	9.8	2.6	2.6	2.6	23.3	24.1	23.7
Midland .....	3.6	3.8	4.1	2.8	3.0	3.0	12.1	14.1	14.1
Odessa .....	6.0	5.8	5.8	3.0	3.1	2.9	15.7	18.7	18.8
San Angelo .....	5.6	5.5	5.5	3.8	3.7	3.8	9.0	9.5	9.6
San Antonio .....	49.5	51.4	51.7	18.3	19.0	18.8	112.9	120.5	120.8
Sherman-Denison .....	11.3	12.0	12.0	2.1	2.1	2.1	7.0	7.2	7.3
Texarkana .....	8.6	9.5	9.2	2.1	1.9	1.9	10.9	11.1	11.2
Tyler .....	11.8	12.3	12.5	2.8	2.9	2.9	14.5	14.9	14.8
Waco .....	15.9	16.6	16.2	3.2	3.3	3.4	18.7	19.8	20.3
Wichita Falls .....	9.0	9.9	9.7	2.8	2.9	2.9	13.2	13.6	13.5
<b>Utah</b> .....	88.9	96.0	96.0	37.0	36.8	36.6	135.7	143.0	143.8
Salt Lake City-Ogden .....	60.6	65.1	65.3	29.1	28.3	28.2	100.4	106.3	107.0
<b>Vermont</b> .....	48.0	48.7	48.5	9.0	9.2	9.3	44.3	45.5	45.5
Burlington .....	15.6	16.1	16.0	2.6	2.6	2.6	13.4	13.6	13.9
Springfield .....	4.0	4.1	4.0	.6	.6	.6	2.4	2.4	2.4
<b>Virginia</b> .....	407.7	413.3	416.2	121.2	126.9	126.4	483.1	509.9	511.8
Bristol .....	8.7	9.7	9.9	1.1	1.1	1.1	6.5	6.5	6.5
Charlottesville .....	10.5	10.3	10.3	1.9	1.9	1.9	9.8	9.9	9.7
Danville .....	19.9	18.4	19.3	1.0	1.0	1.0	7.5	7.6	7.6
Lynchburg .....	27.0	27.8	27.8	2.9	3.1	3.1	12.3	12.5	12.6
Newport News-Hampton .....	38.8	40.2	40.3	4.7	5.0	4.9	32.4	35.6	35.7
Norfolk-Virginia Beach-Portsmouth .....	25.8	28.5	28.6	20.2	20.2	20.1	76.5	82.5	82.0
Northern Virginia .....	25.2	28.2	28.3	36.2	37.6	37.5	116.6	123.3	123.3
Petersburg-Colonial Heights-Hopewell .....	7.8	7.0	7.0	1.2	1.2	1.2	8.2	8.4	8.4
Richmond .....	55.5	56.4	56.9	19.4	20.3	20.3	81.3	83.4	83.8
Roanoke .....	19.8	20.4	20.4	8.2	8.4	8.3	26.4	28.4	28.5
<b>Washington</b> .....	281.1	291.1	292.6	90.7	93.5	93.7	406.8	415.6	419.2
Seattle-Everett .....	147.0	154.8	155.2	53.5	55.3	55.5	195.3	202.7	202.8

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		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>Rhode Island</b> .....	21.4	21.9	21.9	93.8	94.0	95.5	55.9	55.1	57.1
Providence-Warwick-Pawtucket .....	20.8	21.3	21.0	90.1	90.3	91.6	52.9	51.9	53.9
<b>South Carolina</b> .....	52.2	54.2	53.3	180.2	193.1	193.1	229.6	225.4	246.9
Charleston-North Charleston .....	7.5	8.0	7.8	27.0	27.8	27.8	45.6	45.2	47.0
Columbia .....	15.1	15.3	15.0	32.0	32.1	33.1	55.5	55.1	57.7
Greenville-Spartanburg .....	10.6	10.8	10.8	39.2	39.5	40.8	35.3	31.4	35.2
<b>South Dakota</b> .....	12.7	13.2	13.0	54.7	55.9	55.0	56.6	51.5	55.0
Sioux Falls .....	4.8	5.3	5.4	15.0	15.3	15.6	6.6	5.9	6.8
<b>Tennessee</b> .....	81.8	84.4	83.8	327.0	348.2	349.5	294.9	289.4	302.9
Chattanooga .....	9.8	10.2	10.4	29.3	29.7	30.1	30.8	31.0	32.8
Johnson City-Kingsport-Bristol .....	4.7	4.8	4.8	22.4	24.8	25.1	24.0	24.3	24.6
Knoxville .....	8.5	8.3	8.2	37.7	37.0	37.1	43.5	41.5	41.8
Memphis .....	20.7	21.4	21.3	81.8	82.1	82.5	61.1	58.5	62.6
Nashville-Davidson .....	26.8	28.9	28.8	80.9	85.4	87.7	60.4	58.5	60.4
<b>Texas</b> .....	395.3	406.1	405.7	1,192.2	1,229.3	1,235.0	1,034.6	1,045.2	1,062.5
Abilene .....	3.2	3.3	3.3	13.5	13.5	13.5	9.5	9.0	9.7
Amarillo .....	4.3	4.6	4.6	16.7	16.7	16.6	13.9	13.1	14.2
Austin .....	18.3	19.3	19.4	58.8	62.5	63.2	85.5	80.6	88.4
Beaumont-Port Arthur-Orange .....	5.6	5.6	5.6	28.7	30.0	29.5	19.7	18.5	19.8
Brownsville-Harlingen-San Benito .....	3.1	3.1	3.1	11.1	11.4	11.3	13.9	13.0	13.9
Bryan-College Station .....	1.9	1.9	1.9	6.5	6.8	6.9	18.3	16.9	18.7
Corpus Christi .....	6.6	6.7	6.7	24.2	24.2	24.2	26.5	26.1	27.2
Dallas-Fort Worth .....	129.5	139.8	139.2	320.8	339.6	339.9	186.7	178.1	189.7
El Paso .....	7.7	8.1	7.9	28.0	28.1	28.0	33.7	31.4	33.6
Galveston-Texas City .....	4.5	4.5	4.5	11.4	12.3	12.1	18.8	18.3	21.4
Houston .....	105.4	111.0	110.6	314.9	332.1	333.5	178.7	172.7	178.0
Killeen-Temple .....	2.3	2.6	2.6	11.2	11.4	11.5	17.9	18.4	18.3
Laredo .....	1.4	1.4	1.4	5.8	6.4	6.4	7.1	7.3	7.3
Longview-Marshall .....	2.9	2.8	2.8	16.1	15.9	15.7	8.3	8.1	8.6
Lubbock .....	5.2	5.4	5.4	19.3	19.7	20.1	21.0	19.7	21.2
McAllen-Pharr-Edinburg .....	3.2	3.3	3.3	11.1	11.5	11.5	19.7	18.1	19.7
Midland .....	3.6	4.1	4.1	8.5	10.2	10.6	5.3	5.7	6.4
Odessa .....	2.4	2.4	2.3	8.2	9.5	9.5	7.2	7.5	7.5
San Angelo .....	1.6	1.7	1.7	7.4	7.5	7.7	6.6	6.2	6.8
San Antonio .....	31.6	33.5	33.5	94.9	100.0	100.2	98.1	94.5	99.3
Sherman-Denison .....	1.3	1.3	1.3	6.4	6.2	6.1	4.8	4.8	4.9
Texarkana .....	1.7	1.7	1.7	8.3	8.8	8.8	12.6	12.4	13.1
Tyler .....	3.2	3.2	3.2	11.5	11.8	11.8	8.0	7.8	8.1
Waco .....	4.5	4.8	4.7	17.1	17.0	17.8	11.7	10.9	11.6
Wichita Falls .....	2.5	2.5	2.4	9.3	9.2	9.4	10.9	10.0	10.7
<b>Utah</b> .....	28.5	29.9	30.1	115.0	118.1	120.1	127.8	126.7	130.5
Salt Lake City-Ogden .....	23.4	24.6	24.7	78.2	82.7	82.4	90.3	91.3	93.5
<b>Vermont</b> .....	8.9	9.5	9.3	50.0	50.4	50.5	35.8	32.8	35.9
Burlington .....	2.7	2.7	2.7	14.9	15.1	15.9	10.1	9.4	9.9
Springfield .....	.4	.4	.4	2.8	3.1	3.1	1.7	1.5	1.6
<b>Virginia</b> .....	111.1	118.2	116.6	465.5	481.6	480.3	502.0	487.5	517.4
Bristol .....	.9	.9	.9	3.5	3.5	3.6	5.0	4.5	4.6
Charlottesville .....	2.7	3.1	3.1	9.2	9.5	9.5	21.1	18.0	20.6
Danville .....	1.1	1.3	1.2	5.2	5.2	5.3	5.0	4.4	4.8
Lynchburg .....	3.3	3.3	3.3	12.5	12.4	12.6	9.3	9.0	9.6
Newport News-Hampton .....	4.9	5.5	5.4	33.5	36.4	35.7	38.3	38.7	39.8
Norfolk-Virginia Beach-Portsmouth .....	15.7	16.7	16.5	67.6	72.6	73.0	80.6	76.6	81.1
Northern Virginia .....	31.0	33.1	32.6	149.6	158.1	158.2	122.5	125.2	126.4
Petersburg-Colonial Heights-Hopewell .....	1.2	1.2	1.2	6.9	7.1	7.1	13.9	12.8	13.8
Richmond .....	27.6	28.3	28.2	64.7	66.8	66.4	71.2	67.3	70.9
Roanoke .....	6.2	6.6	6.5	22.2	23.3	23.1	14.7	14.0	14.3
<b>Washington</b> .....	93.5	95.0	94.9	335.0	348.1	350.8	319.7	319.7	330.7
Seattle-Everett .....	58.3	59.5	59.3	164.5	173.5	174.4	117.9	119.3	121.8

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		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>West Virginia</b> .....	587.2	595.6	592.1	49.3	51.4	50.3	24.5	24.1	25.6
Charleston .....	104.9	105.4	105.3	4.3	3.1	3.1	5.3	5.1	5.3
Huntington-Ashland .....	93.0	93.6	93.1	.7	.7	.7	4.7	4.5	4.8
Parkersburg-Marietta .....	57.0	57.4	57.5	1.2	1.2	1.2	2.6	2.7	2.9
Wheeling .....	58.7	57.9	57.6	3.3	3.1	3.1	2.2	2.1	2.2
<b>Wisconsin</b> .....	1,876.4	1,929.6	1,949.6	2.7	2.9	2.8	61.5	64.3	65.0
Appleton-Oshkosh .....	126.6	130.8	132.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.1	5.9	6.1
Eau Claire .....	49.5	48.9	50.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.3	1.3
Green Bay .....	81.5	83.6	84.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.3	2.9	3.1
Janesville-Beloit .....	51.2	51.6	52.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.4	1.5
Kenosha .....	43.5	42.0	42.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.0	1.0
La Crosse .....	45.8	45.7	47.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.3	1.3
Madison .....	175.2	178.1	179.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.0	7.4	7.1
Milwaukee .....	613.0	633.9	639.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.1	17.4	17.9
Racine .....	63.9	65.4	65.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.2	1.5	1.3
Sheboygan .....	41.9	44.6	44.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	2.6	2.5
Wausau .....	41.7	42.1	42.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.4	1.4
<b>Wyoming</b> .....	211.4	212.6	213.0	29.0	27.6	26.9	18.1	23.5	23.3
<b>Puerto Rico</b> .....	641.4	653.3	664.4	.7	.7	.7	25.3	28.2	28.2
Caguas .....	25.3	24.5	25.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Mayaguez .....	36.6	36.8	37.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Ponce .....	42.7	42.8	43.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	1.8	1.9
San Juan .....	330.9	337.9	342.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	17.9	21.0	21.0
<b>Virgin Islands</b> .....	34.4	35.1	33.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.3	2.0

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>West Virginia</b> .....	90.8	91.6	91.7	39.6	39.5	39.3	127.5	127.7	126.9
Charleston .....	13.9	13.5	13.6	9.0	9.0	9.0	25.9	26.7	26.8
Huntington-Ashland .....	19.3	20.0	20.1	8.1	8.3	8.2	23.3	23.1	23.0
Parkersburg-Marietta .....	14.7	15.5	15.4	2.1	2.1	2.1	13.4	13.6	13.5
Wheeling .....	8.6	8.6	8.5	3.6	3.5	3.5	14.9	14.7	14.6
<b>Wisconsin</b> .....	497.4	523.4	519.2	87.1	83.5	87.3	432.6	454.5	455.1
Appleton-Oshkosh .....	46.6	48.6	48.0	4.6	4.6	4.7	26.5	27.8	28.2
Eau Claire .....	9.2	9.3	9.2	2.7	2.7	2.7	13.6	14.1	14.4
Green Bay .....	21.9	23.5	22.8	5.9	6.0	6.1	22.0	22.9	22.7
Janesville-Beloit .....	18.8	19.0	19.1	2.1	2.1	2.3	11.9	12.6	12.5
Kenosha .....	17.4	18.0	17.8	1.1	1.1	1.1	8.0	8.1	8.0
La Crosse .....	10.1	10.7	10.8	2.1	2.2	2.2	12.4	12.5	12.9
Madison .....	19.5	20.5	19.2	5.9	5.9	6.0	39.2	39.7	40.4
Milwaukee .....	158.0	169.6	169.8	32.8	30.9	32.4	139.2	142.8	143.4
Racine .....	24.5	25.1	25.0	2.3	2.1	2.3	13.6	14.1	14.2
Sheboygan .....	17.7	19.3	19.1	1.3	1.3	1.3	7.7	7.9	7.8
Wausau .....	11.3	11.8	11.8	2.1	2.0	2.1	10.2	10.3	10.2
<b>Wyoming</b> .....	8.5	8.9	9.0	16.5	16.6	16.3	45.4	46.3	45.6
<b>Puerto Rico</b> .....	144.2	148.4	148.2	16.4	14.7	14.7	103.9	103.3	102.9
Caguas .....	8.2	7.8	8.0	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	5.3	5.2	5.2
Mayaguez .....	13.6	14.0	14.0	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	5.0	5.4	5.3
Ponce .....	8.7	9.4	9.5	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	7.0	6.9	6.9
San Juan .....	32.1	32.0	32.2	12.5	11.5	11.5	66.1	65.6	65.2
<b>Virgin Islands</b> .....	2.5	2.3	2.4	2.2	2.1	2.2	6.8	6.8	6.7

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	Finance, insurance, and real estate			Services			Government		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>
<b>West Virginia</b> .....	22.2	22.0	21.9	107.1	104.2	105.7	126.2	135.2	130.7
Charleston .....	5.2	5.4	5.4	21.4	21.4	21.5	20.1	21.2	20.6
Huntington-Ashland .....	3.5	3.5	3.5	15.3	15.4	15.2	18.0	18.3	17.7
Parkersburg-Marietta .....	2.1	2.1	2.1	11.4	10.6	10.7	9.6	9.7	9.7
Wheeling .....	2.7	2.6	2.6	14.5	14.1	14.3	8.8	9.2	8.8
<b>Wisconsin</b> .....	97.5	100.8	100.0	390.1	409.5	409.0	307.4	290.8	311.2
Appleton-Oshkosh .....	6.1	6.5	6.4	22.6	22.8	22.8	15.1	14.5	16.0
Eau Claire .....	1.8	1.8	1.8	10.3	10.8	10.7	10.4	8.9	10.2
Green Bay .....	2.6	2.7	2.7	16.3	16.2	16.4	9.5	9.3	10.2
Janesville-Beloit .....	1.4	1.4	1.4	9.4	9.3	9.4	6.2	5.8	6.6
Kenosha .....	1.0	1.0	1.0	8.2	7.6	7.9	6.2	5.2	5.4
La Crosse .....	1.4	1.4	1.3	11.9	12.3	12.4	6.4	5.3	6.6
Madison .....	13.2	13.6	13.3	34.9	36.4	36.5	55.5	54.8	56.4
Milwaukee .....	41.7	42.5	42.3	149.9	156.4	157.9	75.4	74.4	76.2
Racine .....	2.1	2.2	2.2	12.3	12.7	12.5	7.8	7.8	8.0
Sheboygan .....	1.8	1.8	1.8	8.7	8.8	6.7	5.1	4.9	5.1
Wausau .....	3.9	3.9	3.8	6.9	7.2	6.9	6.0	5.6	6.1
<b>Wyoming</b> .....	7.6	7.7	7.6	34.4	34.9	33.2	51.9	47.1	51.1
<b>Puerto Rico</b> .....	28.3	28.9	28.6	85.4	86.3	88.5	237.2	242.7	252.5
Caguas .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.4	8.0	8.6
Mayaguez .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.9	12.3	12.6
Ponce .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.0	6.7	6.9	15.2	14.9	15.6
San Juan .....	21.7	21.8	21.5	58.4	59.0	60.3	121.9	126.8	130.2
<b>Virgin Islands</b> .....	1.4	1.4	1.3	5.4	5.4	5.3	13.8	14.8	13.6

<sup>1</sup> Combined with services.

<sup>2</sup> Not available.

<sup>3</sup> Combined with construction.

<sup>4</sup> Less than 50 employees.

<sup>p</sup> = 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 workers<sup>1</sup> on private nonagricultural payrolls by major industry, 1963 to date**

Year and month	Total private <sup>1</sup>			Mining			Construction		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
<b>Annual averages</b>									
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
<b>Monthly data, not seasonally adjusted</b>									
<b>1983:</b>									
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
<b>1984:</b>									
January .....	35.0	8.26	289.10	43.3	11.54	499.68	36.3	12.08	438.50
February .....	35.0	8.24	288.40	42.9	11.49	492.92	37.0	11.99	443.63
March .....	35.0	8.24	288.40	42.8	11.60	496.48	36.7	11.97	439.30
April .....	35.3	8.29	292.64	43.0	11.62	499.66	37.5	11.95	448.13
May .....	35.2	8.28	291.46	43.2	11.56	499.39	38.2	11.99	458.02
June .....	35.5	8.29	294.30	43.7	11.57	505.61	38.6	11.94	460.88
July .....	35.6	8.32	296.19	43.0	11.57	497.51	38.6	11.97	462.04
August .....	35.5	8.30	294.65	43.5	11.57	503.30	38.5	12.01	462.39
September <sup>p</sup> .....	35.5	8.43	299.27	43.9	11.65	511.44	38.5	12.16	468.16
October <sup>p</sup> .....	35.1	8.42	295.54	43.6	11.58	504.89	37.9	12.15	460.49

See footnotes at end of table.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**C-1. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> 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
<b>Annual averages</b>										
1963 .....	40.5	\$2.45	\$2.37	\$99.23	( <sup>1</sup> )	( <sup>2</sup> )	( <sup>3</sup> )	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
<b>Monthly data, not seasonally adjusted</b>										
<b>1983:</b>										
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
<b>1984:</b>										
January .....	40.6	9.08	8.72	368.65	39.2	11.08	434.34	38.4	8.82	338.69
February .....	40.7	9.06	8.70	368.74	39.0	11.01	429.39	38.2	8.79	335.78
March .....	40.7	9.09	8.73	369.96	39.0	11.02	429.78	38.3	8.79	336.66
April .....	40.9	9.11	8.75	372.60	39.3	11.07	435.05	38.5	8.89	342.27
May .....	40.6	9.11	8.76	369.87	39.2	11.03	432.38	38.6	8.86	342.00
June .....	40.8	9.14	8.77	372.91	39.8	11.07	440.59	38.7	8.90	344.43
July .....	40.3	9.18	8.82	369.95	40.0	11.18	447.20	38.8	8.97	348.04
August .....	40.4	9.14	8.77	369.26	39.7	11.17	443.45	38.8	8.95	347.26
September <sup>a</sup> .....	40.7	9.22	8.84	375.25	39.9	11.25	448.88	38.8	9.03	350.36
October <sup>b</sup> .....	40.5	9.23	8.86	373.82	39.2	11.23	440.22	38.7	8.98	347.53

See footnotes at end of table.



**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**C-1. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> 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
<b>Annual averages</b>									
1963 .....	37.3	\$1.68	\$62.66	37.5	\$2.25	\$84.38	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
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
<b>Monthly data, not seasonally adjusted</b>									
<b>1983:</b>									
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
<b>1984:</b>									
January .....	29.4	5.89	173.17	36.5	7.55	275.58	32.6	7.57	246.78
February .....	29.4	5.89	173.17	36.4	7.54	274.46	32.6	7.55	246.13
March .....	29.6	5.89	174.34	36.3	7.54	273.70	32.6	7.54	245.80
April .....	29.8	5.90	175.82	36.5	7.62	278.13	32.7	7.60	248.52
May .....	30.0	5.88	176.40	36.3	7.55	274.07	32.6	7.55	246.13
June .....	30.4	5.88	178.75	36.3	7.58	275.15	32.9	7.53	247.74
July .....	30.7	5.87	180.21	36.7	7.60	278.92	33.1	7.56	250.24
August .....	30.6	5.84	178.70	36.4	7.57	275.55	33.0	7.53	248.49
September <sup>p</sup> .....	30.0	5.90	177.00	36.6	7.77	284.38	32.8	7.71	252.89
October <sup>p</sup> .....	29.7	5.90	175.23	36.3	7.73	280.60	32.5	7.72	250.90

<sup>1</sup> 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.

<sup>2</sup> Not available.

<sup>p</sup> = 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 workers<sup>1</sup> on private nonagricultural payrolls by detailed industry**

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Total private</b> .....		35.3	35.3	35.5	35.5	35.1	-	-	-	-	-
<b>Mining</b> .....		43.1	43.2	43.5	43.9	43.6	-	-	-	-	-
Metal mining .....	10	39.2	39.2	40.0	41.1	-	-	-	-	-	-
Iron ores .....	101	38.0	38.4	39.0	39.0	-	-	-	-	-	-
Copper ores .....	102	39.1	39.0	40.3	43.2	-	-	-	-	-	-
Coal mining .....	11,12	40.7	40.6	41.5	41.3	-	-	-	-	-	-
Bituminous coal and lignite mining .....	12	40.7	40.6	41.6	41.3	-	-	-	-	-	-
Oil and gas extraction .....	13	44.0	44.3	44.1	44.7	-	-	-	-	-	-
Crude petroleum, natural gas, and natural gas liquids .....	131,2	42.6	42.3	41.8	42.6	-	-	-	-	-	-
Oil and gas field services .....	138	44.6	45.1	45.0	45.5	-	-	-	-	-	-
Nonmetallic minerals, except fuels .....	14	45.1	44.5	45.8	46.2	-	-	-	-	-	-
Crushed and broken stone .....	142	45.6	44.8	46.9	47.7	-	-	-	-	-	-
<b>Construction</b> .....		37.9	37.3	38.5	38.5	37.9	-	-	-	-	-
General building contractors .....	15	37.1	36.7	37.7	37.7	-	-	-	-	-	-
Residential building construction .....	152	36.4	36.0	37.2	37.1	-	-	-	-	-	-
Operative builders .....	153	40.6	39.5	38.4	38.8	-	-	-	-	-	-
Nonresidential building construction .....	154	37.5	37.2	38.0	38.1	-	-	-	-	-	-
Heavy construction contractors .....	16	41.3	40.2	42.7	43.2	-	-	-	-	-	-
Highway and street construction .....	161	42.9	41.1	45.1	45.1	-	-	-	-	-	-
Heavy construction, except highway .....	162	40.5	39.8	41.3	42.1	-	-	-	-	-	-
Special trade contractors .....	17	37.0	36.4	37.4	37.3	-	-	-	-	-	-
Plumbing, heating, and air conditioning .....	171	38.1	38.0	38.4	38.2	-	-	-	-	-	-
Painting, paper hanging, and decorating .....	172	36.1	35.0	36.1	35.6	-	-	-	-	-	-
Electrical work .....	173	38.2	38.3	39.1	38.9	-	-	-	-	-	-
Masonry, stonework, and plastering .....	174	35.5	34.4	35.5	35.8	-	-	-	-	-	-
Carpentering and flooring .....	175	34.9	34.8	34.8	35.1	-	-	-	-	-	-
Roofing and sheet metal work .....	176	34.6	32.7	35.6	35.1	-	-	-	-	-	-
<b>Manufacturing</b> .....		40.8	40.7	40.4	40.7	40.5	3.5	3.4	3.4	3.6	3.4
<b>Durable goods</b> .....		41.3	41.3	41.0	41.4	41.2	3.5	3.5	3.5	3.7	3.6
Lumber and wood products .....	24	40.7	40.6	40.0	40.4	39.7	3.5	3.4	3.3	3.4	-
Logging camps and logging contractors .....	241	40.5	40.5	39.4	41.2	-	4.0	3.7	3.6	4.2	-
Sawmills and planing mills .....	242	41.2	41.3	40.6	41.0	-	3.9	3.9	3.9	3.7	-
Sawmills and planing mills, general .....	2421	41.3	41.5	40.7	41.3	-	4.0	4.0	4.2	4.0	-
Hardwood dimension and flooring .....	2426	40.6	40.5	40.0	39.9	-	3.6	3.6	2.8	2.5	-
Millwork, plywood, and structural members .....	243	40.9	40.5	40.3	40.6	-	3.7	3.4	3.4	3.4	-
Millwork .....	2431	41.6	40.6	39.8	40.7	-	3.5	2.6	2.8	2.7	-
Wood kitchen cabinets .....	2434	40.9	39.8	40.9	40.6	-	3.7	3.2	3.7	3.6	-
Hardwood veneer and plywood .....	2435	41.1	40.9	39.7	39.3	-	3.9	3.8	3.0	2.9	-
Softwood veneer and plywood .....	2436	40.0	41.1	40.8	40.9	-	3.8	4.4	4.2	4.2	-
Wood containers .....	244	39.3	39.2	38.0	38.3	-	2.4	2.4	2.0	2.2	-
Wood buildings and mobile homes .....	245	40.0	39.3	38.9	38.4	-	2.9	2.3	2.5	2.4	-
Mobile homes .....	2451	40.2	39.2	38.9	38.6	-	3.1	2.3	2.4	2.3	-
Miscellaneous wood products .....	249	40.7	40.6	40.4	40.8	-	2.7	2.9	2.8	3.0	-
Furniture and fixtures .....	25	40.2	40.4	39.6	40.2	40.1	2.9	2.8	2.6	2.8	-
Household furniture .....	251	39.7	40.0	38.8	39.5	-	2.5	2.5	2.1	2.3	-
Wood household furniture .....	2511	39.8	40.1	39.1	39.6	-	2.5	2.6	2.4	2.4	-
Upholstered household furniture .....	2512	39.2	39.3	38.0	39.0	-	1.8	2.0	1.3	1.8	-
Metal household furniture .....	2514	40.8	41.6	38.7	40.5	-	3.4	3.1	1.9	2.7	-
Mattresses and bedsprings .....	2515	39.5	39.3	39.0	39.3	-	3.1	2.0	2.1	2.2	-
Office furniture .....	252	40.9	42.0	41.8	42.5	-	3.5	3.4	3.9	4.3	-
Public building and related furniture .....	253	40.4	41.1	40.1	39.7	-	3.1	3.4	3.3	2.6	-
Partitions and fixtures .....	254	41.2	40.9	40.4	41.0	-	4.3	3.7	3.1	3.6	-
Miscellaneous furniture and fixtures .....	259	41.0	41.0	41.3	41.0	-	2.4	2.3	2.8	2.6	-
Stone, clay, and glass products .....	32	42.4	42.1	42.2	42.3	42.0	4.9	4.7	5.1	5.1	-
Flat glass .....	321	45.3	44.2	45.0	44.3	-	6.0	5.2	6.0	5.4	-
Glass and glassware, pressed or blown .....	322	40.9	41.2	40.7	40.5	-	4.2	4.3	4.5	4.2	-

See footnotes at end of table.

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

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>a</sup>	Oct. 1984 <sup>a</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>a</sup>	Oct. 1984 <sup>a</sup>
<b>Total private</b> .....		\$8.12	\$8.16	\$8.30	\$8.43	\$8.42	\$286.64	\$288.05	\$294.65	\$299.27	\$295.54
<b>Mining</b> .....		11.33	11.33	11.57	11.65	11.58	488.32	489.46	503.30	511.44	504.89
Metal mining .....	10	12.62	12.67	13.10	13.23	-	494.70	496.66	524.00	543.75	-
Iron ores .....	101	11.95	11.97	13.03	13.03	-	454.10	459.65	508.17	508.17	-
Copper ores .....	102	13.09	13.22	13.69	13.80	-	511.82	515.58	551.71	596.16	-
Coal mining .....	11,12	13.95	14.02	14.90	15.12	-	567.77	569.21	618.35	624.46	-
Bituminous coal and lignite mining .....	12	14.00	14.06	14.95	15.17	-	569.80	570.84	621.92	626.52	-
Oil and gas extraction .....	13	10.65	10.61	10.58	10.61	-	468.60	470.02	466.58	474.27	-
Crude petroleum, natural gas, and natural gas liquids .....	131,2	12.41	12.47	12.62	12.75	-	528.67	527.48	527.52	543.15	-
Oil and gas field services .....	138	9.90	9.87	9.86	9.87	-	441.54	445.14	443.70	449.09	-
Nonmetallic minerals, except fuels .....	14	9.46	9.50	9.87	10.04	-	426.65	422.75	452.05	463.85	-
Crushed and broken stone .....	142	8.87	8.88	9.42	9.55	-	404.47	397.82	441.80	455.54	-
<b>Construction</b> .....		12.04	12.06	12.01	12.16	12.15	456.32	449.84	462.39	468.16	460.49
General building contractors .....	15	10.84	10.76	10.84	10.99	-	402.16	394.89	408.67	414.32	-
Residential building construction .....	152	10.08	9.94	10.05	10.23	-	366.91	357.84	373.86	379.53	-
Operative builders .....	153	9.04	8.91	9.03	9.12	-	367.02	351.95	346.75	353.86	-
Nonresidential building construction .....	154	11.73	11.69	11.72	11.83	-	439.88	434.87	445.36	450.72	-
Heavy construction contractors .....	16	12.06	12.08	11.80	11.91	-	498.08	485.62	503.86	514.51	-
Highway and street construction .....	161	10.92	10.97	11.12	11.13	-	468.47	450.87	501.51	501.96	-
Heavy construction, except highway .....	162	12.70	12.66	12.22	12.38	-	514.35	503.87	504.69	521.20	-
Special trade contractors .....	17	12.58	12.65	12.62	12.78	-	465.46	460.46	471.99	476.69	-
Plumbing, heating, and air conditioning .....	171	12.65	12.65	12.66	12.81	-	481.97	480.70	486.14	489.34	-
Painting, paper hanging, and decorating .....	172	11.60	11.65	11.51	11.69	-	418.76	407.75	415.51	416.16	-
Electrical work .....	173	14.16	14.11	14.17	14.35	-	540.91	540.41	554.05	558.22	-
Masonry, stonework, and plastering .....	174	12.22	12.37	12.57	12.75	-	433.81	425.53	446.24	456.45	-
Carpentering and flooring .....	175	11.83	11.68	11.87	11.89	-	412.87	406.46	413.08	417.34	-
Roofing and sheet metal work .....	176	11.05	11.19	11.15	11.24	-	382.33	365.91	396.94	394.52	-
<b>Manufacturing</b> .....		8.89	8.90	9.14	9.22	9.23	362.71	362.23	369.26	375.25	373.82
<b>Durable goods</b> .....		9.46	9.47	9.68	9.77	9.77	390.70	391.11	396.88	404.48	402.52
Lumber and wood products .....	24	7.87	7.86	8.05	8.14	8.08	320.31	319.12	322.00	328.86	320.78
Logging camps and logging contractors .....	241	10.42	10.44	10.90	11.17	-	422.01	422.82	429.46	460.20	-
Sawmills and planing mills .....	242	8.27	8.26	8.38	8.45	-	340.72	341.14	340.23	346.45	-
Sawmills and planing mills, general .....	2421	8.74	8.72	8.81	8.87	-	360.96	361.88	358.57	366.33	-
Hardwood dimension and flooring .....	2426	5.60	5.60	5.83	5.87	-	227.36	226.80	233.20	234.21	-
Millwork, plywood, and structural members .....	243	7.66	7.65	7.82	7.88	-	313.29	309.83	315.15	319.93	-
Millwork .....	2431	7.91	7.81	8.00	8.07	-	329.06	317.09	318.40	328.45	-
Wood kitchen cabinets .....	2434	6.93	6.92	7.14	7.14	-	283.44	275.42	292.03	289.88	-
Hardwood veneer and plywood .....	2435	6.17	6.19	6.33	6.33	-	253.59	253.17	251.30	248.77	-
Softwood veneer and plywood .....	2436	9.45	9.55	9.74	9.88	-	378.00	392.51	397.39	404.09	-
Wood containers .....	244	5.62	5.49	5.66	5.76	-	220.87	215.21	215.08	220.61	-
Wood buildings and mobile homes .....	245	6.80	6.80	7.08	7.14	-	272.00	267.24	275.41	274.18	-
Mobile homes .....	2451	6.85	6.85	7.15	7.18	-	275.37	268.52	278.14	277.15	-
Miscellaneous wood products .....	249	6.62	6.59	6.87	6.84	-	269.43	267.55	277.55	279.07	-
Furniture and fixtures .....	25	6.74	6.71	6.90	6.95	6.92	270.95	271.08	273.24	279.39	277.49
Household furniture .....	251	6.16	6.17	6.33	6.38	-	244.55	246.80	245.60	252.01	-
Wood household furniture .....	2511	5.62	5.64	5.79	5.83	-	223.68	226.16	226.39	230.87	-
Upholstered household furniture .....	2512	6.57	6.62	6.81	6.91	-	257.54	260.17	258.78	269.49	-
Metal household furniture .....	2514	6.56	6.39	6.73	6.70	-	267.65	265.82	260.45	271.35	-
Mattresses and bedsprings .....	2515	7.07	6.98	6.96	7.03	-	279.27	274.31	271.44	276.28	-
Office furniture .....	252	7.47	7.26	7.64	7.70	-	305.52	304.92	319.35	327.25	-
Public building and related furniture .....	253	7.35	7.42	7.45	7.44	-	296.94	304.96	298.75	295.37	-
Partitions and fixtures .....	254	8.27	8.24	8.17	8.24	-	340.72	337.02	330.07	337.84	-
Miscellaneous furniture and fixtures .....	259	7.40	7.35	7.33	7.38	-	303.40	301.35	302.73	302.58	-
Stone, clay, and glass products .....	32	9.42	9.38	9.62	9.63	9.63	399.41	394.90	405.96	407.35	404.46
Flat glass .....	321	12.98	12.72	13.02	12.93	-	587.99	562.22	585.90	572.80	-
Glass and glassware, pressed or blown .....	322	10.17	10.10	10.58	10.58	-	415.95	416.12	430.61	428.49	-

See footnotes at end of table.

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

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Durable goods—Continued</b>											
Stone, clay, and glass products—Continued											
Glass containers .....	3221	40.9	41.1	40.9	40.9	-	4.7	4.9	5.0	5.0	-
Pressed and blown glass, nec .....	3229	40.8	41.4	40.5	40.0	-	3.6	3.5	3.9	3.2	-
Products of purchased glass .....	323	41.6	41.7	41.6	41.7	-	3.9	4.3	4.2	3.7	-
Cement, hydraulic .....	324	42.9	42.1	40.4	39.8	-	3.8	3.0	2.9	2.7	-
Structural clay products .....	325	42.9	42.3	41.7	42.2	-	4.2	4.0	3.8	4.1	-
Pottery and related products .....	326	39.2	39.1	39.0	39.4	-	2.4	2.2	2.4	2.8	-
Concrete, gypsum, and plaster products .....	327	43.9	43.3	44.1	44.4	-	6.6	6.4	7.1	7.3	-
Concrete block and brick .....	3271	45.5	45.0	44.2	45.4	-	7.3	7.2	7.0	7.0	-
Concrete products, nec .....	3272	43.6	43.0	43.5	43.9	-	5.8	5.3	6.5	6.7	-
Ready-mixed concrete .....	3273	43.4	42.4	44.2	44.2	-	6.8	6.6	7.6	7.7	-
Misc. nonmetallic mineral products .....	329	42.4	42.1	41.8	42.0	-	4.2	3.8	4.1	4.5	-
Abrasive products .....	3291	41.7	41.2	40.4	40.5	-	3.0	2.7	2.8	2.8	-
Asbestos products .....	3292	43.9	44.3	42.4	44.2	-	4.9	4.9	3.6	4.8	-
Primary metal industries .....	33	41.4	41.2	40.8	41.5	41.1	3.7	3.6	3.8	3.9	-
Blast furnaces and basic steel products .....	331	40.8	40.1	39.3	40.1	39.3	2.9	2.8	2.7	2.9	-
Blast furnaces and steel mills .....	3312	40.6	39.7	38.6	39.6	-	2.8	2.7	2.6	2.7	-
Steel pipe and tubes .....	3317	40.9	41.0	41.1	42.2	-	3.1	3.1	3.2	3.7	-
Iron and steel foundries .....	332	41.0	41.1	41.1	41.5	-	3.6	3.5	3.9	3.8	-
Gray iron foundries .....	3321	41.6	41.8	41.0	41.4	-	4.2	4.1	4.2	4.1	-
Malleable iron foundries .....	3322	41.4	40.7	40.9	40.6	-	4.1	3.2	3.1	2.7	-
Steel foundries, nec .....	3325	38.5	39.0	41.1	40.7	-	1.8	1.9	3.2	3.1	-
Primary nonferrous metals .....	333	41.4	41.7	41.8	41.6	-	3.6	3.4	3.6	3.3	-
Primary aluminum .....	3334	41.1	41.4	42.4	42.3	-	4.0	3.8	3.7	3.6	-
Nonferrous rolling and drawing .....	335	43.0	42.9	42.7	43.4	-	5.2	5.1	5.8	5.9	-
Copper rolling and drawing .....	3351	43.6	43.9	43.3	43.6	-	4.8	5.2	5.2	5.4	-
Aluminum sheet, plate, and foil .....	3353	41.9	42.7	41.6	42.0	-	6.4	5.9	6.5	6.1	-
Nonferrous wire drawing and insulating .....	3357	43.2	42.7	42.8	43.7	-	5.0	5.0	6.0	6.3	-
Nonferrous foundries .....	336	41.5	41.8	41.5	42.1	-	3.8	3.8	3.8	3.9	-
Aluminum foundries .....	3361	41.9	42.3	41.6	41.9	-	4.0	4.0	4.0	4.0	-
Fabricated metal products .....	34	41.3	41.3	41.0	41.4	41.4	3.6	3.5	3.5	3.8	-
Metal cans and shipping containers .....	341	42.7	42.2	44.0	43.5	-	5.7	4.9	6.4	5.9	-
Metal cans .....	3411	42.7	42.3	44.2	43.4	-	6.0	5.1	6.6	5.8	-
Cutlery, hand tools, and hardware .....	342	41.5	41.3	40.3	40.8	-	3.3	3.2	3.1	3.4	-
Hand and edge tools, and hand saws and blades .....	3423,5	40.7	40.5	39.9	40.1	-	2.6	2.3	2.4	2.5	-
Hardware, nec .....	3429	41.8	41.7	40.4	41.0	-	3.9	3.8	3.5	3.8	-
Plumbing and heating, except electric .....	343	40.6	40.3	39.1	39.3	-	2.8	2.4	2.0	1.9	-
Plumbing fittings and brass goods .....	3432	40.4	40.0	38.6	38.9	-	2.9	2.5	1.5	1.3	-
Heating equipment, except electric .....	3433	40.2	40.0	40.0	39.8	-	2.3	1.7	2.4	2.3	-
Fabricated structural metal products .....	344	40.8	40.6	41.0	41.2	-	3.2	3.0	3.4	3.6	-
Fabricated structural metal .....	3441	41.1	41.1	41.6	41.4	-	3.3	3.4	4.4	4.1	-
Metal doors, sash, and trim .....	3442	40.4	40.3	40.6	40.5	-	3.0	2.8	2.7	2.9	-
Fabricated plate work (boiler shops) .....	3443	41.4	40.6	41.3	42.2	-	3.3	2.8	3.2	4.1	-
Sheet metal work .....	3444	40.0	40.1	40.1	40.4	-	3.0	3.2	3.3	3.3	-
Architectural metal work .....	3446	41.5	41.9	40.4	40.2	-	2.7	2.8	2.7	2.6	-
Screw machine products, bolts, etc .....	345	41.8	42.3	42.5	42.7	-	3.8	4.0	4.5	4.9	-
Screw machine products .....	3451	40.7	40.9	41.8	42.0	-	3.2	3.4	3.9	4.4	-
Bolts, nuts, rivets, and washers .....	3452	42.9	43.6	43.2	43.4	-	4.3	4.6	5.1	5.5	-
Metal forgings and stampings .....	346	42.6	42.7	41.4	42.1	-	4.7	4.7	4.0	4.5	-
Iron and steel forgings .....	3462	41.5	41.3	41.8	42.1	-	3.6	3.6	4.1	4.2	-
Automotive stampings .....	3465	44.8	45.3	42.3	43.9	-	6.2	6.6	4.5	5.6	-
Metal stampings, nec .....	3469	40.9	40.7	40.5	40.4	-	3.5	3.3	3.4	3.5	-
Metal services, nec .....	347	40.5	40.5	40.4	40.9	-	3.5	3.5	3.5	3.7	-
Plating and polishing .....	3471	40.5	40.3	40.1	40.7	-	3.3	3.2	3.3	3.5	-
Metal coating and allied services .....	3479	40.5	41.1	41.1	41.4	-	3.8	4.1	4.1	4.3	-
Ordinance and accessories, nec .....	348	40.8	41.1	40.2	40.8	-	2.3	2.6	2.6	2.7	-
Ammunition, except for small arms, nec .....	3483	40.2	40.3	39.7	39.9	-	1.6	1.6	1.7	1.8	-
Misc. fabricated metal products .....	349	40.8	40.8	40.6	41.0	-	2.9	2.8	2.8	3.0	-
Valves and pipe fittings .....	3494	40.3	40.6	40.9	41.4	-	2.7	2.7	3.0	3.3	-
Misc. fabricated wire products .....	3496	40.8	40.6	39.8	39.8	-	3.0	2.8	2.2	2.6	-
Machinery, except electrical .....	35	41.1	41.0	41.5	42.0	41.7	3.2	3.1	3.5	3.9	-
Engines and turbines .....	351	39.7	39.6	41.5	41.5	-	3.2	3.3	4.1	3.8	-
Turbines and turbine generator sets .....	3511	38.8	39.0	39.9	41.1	-	3.0	3.1	3.6	4.6	-
Internal combustion engines, nec .....	3519	40.1	39.8	42.0	41.6	-	3.3	3.4	4.2	3.5	-
Farm and garden machinery .....	352	40.1	40.1	39.1	40.1	-	2.3	2.3	1.9	2.1	-
Farm machinery and equipment .....	3523	40.2	40.4	39.7	40.3	-	2.6	2.6	2.1	2.2	-

See footnotes at end of table.

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

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Durable goods—Continued</b>											
Stone, clay, and glass products—Continued											
Glass containers .....	3221	\$10.65	\$10.56	\$11.10	\$11.08	-	\$435.59	\$434.02	\$453.99	\$453.17	-
Pressed and blown glass, nec .....	3229	9.55	9.53	9.93	9.98	-	389.64	394.54	402.17	399.20	-
Products of purchased glass .....	323	8.17	8.33	8.18	8.10	-	339.87	347.36	340.29	337.77	-
Cement, hydraulic .....	324	13.48	13.28	13.29	13.44	-	578.29	559.09	536.92	534.91	-
Structural clay products .....	325	7.40	7.40	7.74	7.76	-	317.46	313.02	322.76	327.47	-
Pottery and related products .....	326	7.93	7.91	8.04	8.11	-	310.86	309.28	313.56	319.53	-
Concrete, gypsum, and plaster products .....	327	9.29	9.27	9.52	9.54	-	407.83	401.39	419.83	423.58	-
Concrete block and brick .....	3271	7.76	7.78	8.20	8.12	-	353.08	350.10	362.44	368.65	-
Concrete products, nec .....	3272	8.18	8.13	8.39	8.44	-	356.65	349.59	364.97	370.52	-
Ready-mixed concrete .....	3273	10.31	10.34	10.51	10.52	-	447.45	438.42	464.54	464.98	-
Misc. nonmetallic mineral products .....	329	9.24	9.23	9.55	9.59	-	391.78	388.58	399.19	402.78	-
Abrasive products .....	3291	8.74	8.69	9.07	9.07	-	364.46	358.03	366.43	367.34	-
Asbestos products .....	3292	9.18	9.18	9.74	9.78	-	403.00	406.67	412.98	432.28	-
Primary metal industries .....	33	11.34	11.28	11.34	11.36	\$11.32	469.48	464.74	462.67	471.44	\$465.25
Blast furnaces and basic steel products .....	331	12.79	12.68	12.90	13.01	12.91	521.83	508.47	506.97	521.70	507.36
Blast furnaces and steel mills .....	3312	13.28	13.17	13.45	13.59	-	539.17	522.85	519.17	538.16	-
Steel pipe and tubes .....	3317	10.45	10.44	10.51	10.63	-	427.41	428.04	431.96	448.59	-
Iron and steel foundries .....	332	10.02	9.95	10.03	10.04	-	410.82	408.95	412.23	416.66	-
Gray iron foundries .....	3321	10.27	10.22	10.32	10.31	-	427.23	427.20	423.12	426.83	-
Malleable iron foundries .....	3322	10.74	10.76	10.74	11.00	-	444.64	437.93	439.27	446.60	-
Steel foundries, nec .....	3325	9.51	9.32	9.44	9.54	-	366.14	363.48	387.98	388.28	-
Primary nonferrous metals .....	333	13.46	13.55	13.51	13.40	-	557.24	565.04	564.72	557.44	-
Primary aluminum .....	3334	14.00	14.14	13.89	13.87	-	575.40	585.40	588.94	586.70	-
Nonferrous rolling and drawing .....	335	10.76	10.82	10.90	10.94	-	462.68	464.18	465.43	474.80	-
Copper rolling and drawing .....	3351	9.60	9.70	9.97	9.95	-	418.56	425.83	431.70	433.82	-
Aluminum sheet, plate, and foil .....	3353	14.19	14.19	13.83	13.82	-	594.56	605.91	575.33	580.44	-
Nonferrous wire drawing and insulating .....	3357	10.10	10.16	10.47	10.58	-	436.32	433.83	448.12	462.35	-
Nonferrous foundries .....	336	8.86	8.89	8.99	9.04	-	367.69	371.60	373.09	380.58	-
Aluminum foundries .....	3361	9.09	9.11	9.17	9.23	-	380.87	385.35	381.47	386.74	-
Fabricated metal products .....	34	9.18	9.18	9.30	9.40	9.35	379.13	379.13	381.30	389.16	387.09
Metal cans and shipping containers .....	341	12.29	12.18	12.73	12.68	-	524.78	514.00	560.12	551.58	-
Metal cans .....	3411	12.92	12.79	13.43	13.44	-	551.68	541.02	593.61	583.30	-
Cutlery, hand tools, and hardware .....	342	8.96	8.97	9.19	9.28	-	371.84	370.46	370.36	378.62	-
Hand and edge tools, and hand saws and blades .....	3423.5	8.35	8.29	8.50	8.58	-	339.85	335.75	339.15	344.06	-
Hardware, nec .....	3429	9.30	9.31	9.53	9.62	-	388.74	388.23	385.01	394.42	-
Plumbing and heating, except electric .....	343	8.22	8.20	8.39	8.48	-	333.73	330.46	328.05	333.26	-
Plumbing fittings and brass goods .....	3432	7.96	8.00	8.02	8.06	-	321.58	320.00	309.57	313.53	-
Heating equipment, except electric .....	3433	8.16	8.04	8.41	8.43	-	328.03	321.60	336.40	335.51	-
Fabricated structural metal products .....	344	8.79	8.76	8.81	8.92	-	358.63	355.66	361.21	367.50	-
Fabricated structural metal .....	3441	9.33	9.37	9.44	9.47	-	383.46	385.11	392.70	392.06	-
Metal doors, sash, and trim .....	3442	6.87	6.92	7.08	7.22	-	277.55	278.88	287.45	292.41	-
Fabricated plate work (boiler shops) .....	3443	10.08	9.95	9.80	9.93	-	417.31	403.97	404.74	419.05	-
Sheet metal work .....	3444	9.00	8.91	9.13	9.26	-	360.00	357.29	366.11	374.10	-
Architectural metal work .....	3446	8.93	9.02	8.88	8.83	-	370.60	377.94	358.75	354.97	-
Screw machine products, bolts, etc .....	345	8.58	8.60	8.78	8.91	-	358.64	363.78	373.15	380.46	-
Screw machine products .....	3451	7.87	7.90	8.05	8.16	-	320.31	323.11	336.49	342.72	-
Bolts, nuts, rivets, and washers .....	3452	9.25	9.25	9.52	9.68	-	396.83	403.30	411.26	420.11	-
Metal forgings and stampings .....	346	10.50	10.60	10.65	10.83	-	447.30	452.62	440.91	455.94	-
Iron and steel forgings .....	3462	11.66	11.54	11.85	11.90	-	483.89	476.60	495.33	500.99	-
Automotive stampings .....	3465	12.22	12.46	12.56	12.69	-	547.46	564.44	531.29	557.09	-
Metal stampings, nec .....	3469	8.23	8.22	8.33	8.43	-	336.61	334.55	337.37	340.57	-
Metal services, nec .....	347	7.35	7.37	7.51	7.53	-	297.68	298.49	303.40	307.98	-
Plating and polishing .....	3471	7.23	7.25	7.38	7.40	-	292.82	292.18	295.94	301.18	-
Metal coating and allied services .....	3479	7.64	7.65	7.82	7.83	-	309.42	314.42	321.40	324.16	-
Ordnance and accessories, nec .....	348	9.73	9.83	9.95	9.91	-	396.98	404.01	399.99	404.33	-
Ammunition, except for small arms, nec .....	3483	9.25	9.27	9.49	9.47	-	371.85	373.58	376.75	377.85	-
Misc. fabricated metal products .....	349	8.58	8.58	8.72	8.77	-	350.06	350.06	354.03	359.57	-
Valves and pipe fittings .....	3494	9.16	9.17	9.36	9.43	-	369.15	372.30	382.82	390.40	-
Misc. fabricated wire products .....	3496	7.63	7.65	7.90	7.91	-	311.30	310.59	314.42	314.82	-
Machinery, except electrical .....	35	9.63	9.66	9.92	10.02	10.02	395.79	396.06	411.68	420.84	417.83
Engines and turbines .....	351	11.93	12.15	12.89	12.92	-	473.62	481.14	534.94	536.18	-
Turbines and turbine generator sets .....	3511	11.66	11.81	12.39	12.44	-	452.41	460.59	494.36	511.28	-
Internal combustion engines, nec .....	3519	12.04	12.29	13.04	13.08	-	482.80	489.14	547.68	544.13	-
Farm and garden machinery .....	352	9.68	9.69	9.81	9.79	-	388.17	388.57	383.57	392.58	-
Farm machinery and equipment .....	3523	10.13	10.15	10.19	10.27	-	407.23	410.06	404.54	413.88	-

See footnotes at end of table.

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

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Durable goods—Continued</b>											
Machinery, except electrical—Continued											
Construction and related machinery .....	353	40.4	40.1	41.3	42.1	-	2.6	2.3	2.9	3.5	-
Construction machinery .....	3531	40.7	40.1	41.6	42.1	-	2.3	1.9	2.5	3.1	-
Mining machinery .....	3532	39.8	39.0	40.4	41.6	-	2.1	1.5	2.8	3.2	-
Oil field machinery .....	3533	40.4	40.6	41.7	42.7	-	2.8	2.8	3.2	3.7	-
Conveyors and conveying equipment .....	3535	40.3	39.2	40.5	41.7	-	2.6	2.4	3.7	5.1	-
Industrial trucks and tractors .....	3537	40.5	40.2	40.8	41.2	-	3.1	3.1	3.3	3.3	-
Metalworking machinery .....	354	41.1	41.4	42.4	43.1	-	3.7	3.8	4.6	5.1	-
Machine tools, metal cutting types .....	3541	39.7	40.1	42.4	42.6	-	1.9	2.1	4.0	3.8	-
Machine tools, metal forming types .....	3542	38.4	39.7	41.9	42.6	-	3.0	3.8	3.9	4.3	-
Special dies, tools, jigs, and fixtures .....	3544	42.0	42.3	43.3	44.1	-	4.6	4.8	5.5	6.1	-
Machine tool accessories .....	3545	40.8	41.0	41.6	42.4	-	3.1	3.3	3.8	4.6	-
Power driven hand tools .....	3546	40.5	40.9	41.2	42.1	-	3.2	3.1	4.1	4.9	-
Special industry machinery .....	355	41.3	41.0	41.2	42.2	-	3.3	3.3	3.3	4.0	-
Food products machinery .....	3551	41.1	40.6	41.6	41.9	-	3.0	2.7	2.9	3.2	-
Textile machinery .....	3552	40.4	41.8	41.0	41.5	-	2.6	3.5	2.5	3.0	-
Printing trades machinery .....	3555	42.0	40.8	41.0	43.3	-	3.5	3.1	3.4	4.4	-
General industrial machinery .....	356	41.1	41.2	41.5	41.8	-	3.2	3.1	3.6	3.8	-
Pumps and pumping equipment .....	3561	41.1	40.6	40.9	40.8	-	2.9	2.7	3.2	3.3	-
Ball and roller bearings .....	3562	42.9	43.0	43.4	44.1	-	4.4	4.0	4.8	5.1	-
Air and gas compressors .....	3563	40.5	40.7	40.4	40.7	-	2.4	2.6	2.8	2.9	-
Blowers and fans .....	3564	40.6	40.3	40.4	40.9	-	3.0	2.6	2.8	3.1	-
Speed changers, drives, and gears .....	3566	40.7	40.6	41.2	41.3	-	3.0	2.9	4.4	4.2	-
Power transmission equipment, nec .....	3568	40.1	41.4	40.6	41.7	-	2.7	3.4	3.1	4.3	-
Office and computing machines .....	357	42.4	42.1	41.8	42.3	-	3.4	3.3	2.9	3.5	-
Electronic computing equipment .....	3573	42.6	42.2	41.7	42.2	-	3.6	3.4	2.9	3.5	-
Refrigeration and service machinery .....	358	41.2	41.1	41.1	41.5	-	3.4	3.0	3.7	4.0	-
Refrigeration and heating equipment .....	3585	41.2	41.1	41.4	42.0	-	3.6	3.1	4.0	4.2	-
Misc. machinery, except electrical .....	359	40.6	40.9	41.5	41.5	-	3.1	3.2	3.8	3.9	-
Carburetors, pistons, rings, and valves .....	3592	41.3	42.1	42.1	41.2	-	3.5	3.9	3.8	3.3	-
Machinery, except electrical, nec .....	3599	40.4	40.7	41.4	41.5	-	3.0	3.1	3.8	4.0	-
Electrical and electronic equipment .....	36	41.1	41.1	40.7	41.1	40.9	3.2	3.1	3.0	3.2	-
Electric distributing equipment .....	361	40.5	40.5	40.6	41.0	-	2.8	2.3	2.8	3.0	-
Transformers .....	3612	40.8	41.3	41.4	41.7	-	3.1	2.8	3.2	3.1	-
Switchgear and switchboard apparatus .....	3613	40.2	39.8	40.0	40.5	-	2.6	2.0	2.6	2.9	-
Electrical industrial apparatus .....	362	41.0	40.4	40.7	41.5	-	3.1	2.8	3.0	3.4	-
Motors and generators .....	3621	42.0	41.0	40.7	42.1	-	3.6	3.2	3.1	3.9	-
Industrial controls .....	3622	40.1	40.2	40.3	40.5	-	2.4	2.5	2.5	2.7	-
Household appliances .....	363	41.4	41.1	39.8	40.3	-	3.5	2.9	2.2	2.1	-
Household refrigerators and freezers .....	3632	44.9	41.2	41.9	43.3	-	6.4	1.9	2.4	2.2	-
Household laundry equipment .....	3633	40.2	40.3	39.3	39.5	-	1.3	1.2	1.2	1.2	-
Electric housewares and fans .....	3634	40.9	40.9	39.1	40.0	-	3.7	3.6	2.3	3.5	-
Electric lighting and wiring equipment .....	364	40.9	40.8	40.4	40.3	-	3.2	3.2	2.8	2.7	-
Electric lamps .....	3641	41.1	40.7	41.2	41.5	-	2.5	2.4	2.7	2.7	-
Current-carrying wiring devices .....	3643	40.7	40.7	40.6	40.2	-	3.2	3.6	3.2	2.9	-
Noncurrent-carrying wiring devices .....	3644	40.3	40.8	41.1	40.8	-	2.6	2.3	2.5	2.7	-
Residential lighting fixtures .....	3645	40.3	40.5	38.0	38.3	-	2.9	2.5	1.7	1.4	-
Radio and TV receiving equipment .....	365	40.1	40.6	39.8	41.3	-	3.1	2.9	3.1	3.7	-
Radio and TV receiving sets .....	3651	40.5	41.0	39.4	40.8	-	3.4	3.1	2.6	3.1	-
Communication equipment .....	366	41.2	41.1	41.0	41.5	-	2.8	2.7	2.6	3.1	-
Telephone and telegraph apparatus .....	3661	42.2	41.8	40.7	41.5	-	3.4	2.9	2.7	3.5	-
Radio and TV communication equipment .....	3662	40.7	40.7	41.1	41.5	-	2.4	2.6	2.5	2.9	-
Electronic components and accessories .....	367	41.0	41.1	40.9	41.1	-	3.2	3.3	3.4	3.5	-
Electronic tubes .....	3671-3	41.1	41.3	41.2	42.3	-	2.1	2.3	2.3	2.6	-
Semiconductors and related devices .....	3674	41.7	41.8	41.7	41.5	-	3.7	3.8	4.2	4.2	-
Electronic components, nec .....	3679	41.0	41.1	40.7	41.1	-	3.4	3.4	3.5	3.5	-
Misc. electrical equipment and supplies .....	369	41.6	42.6	41.1	41.4	-	3.9	4.3	3.4	3.4	-
Storage batteries .....	3691	42.0	44.9	41.3	42.2	-	3.5	4.7	3.1	4.0	-
Engine electrical equipment .....	3694	41.9	42.7	41.0	41.6	-	4.5	4.8	3.8	3.8	-

See footnotes at end of table.

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

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Durable goods—Continued</b>											
<b>Machinery, except electrical—Continued</b>											
Construction and related machinery .....	353	\$10.40	\$10.40	\$10.54	\$10.64	-	\$420.16	\$417.04	\$435.30	\$447.94	-
Construction machinery .....	3531	11.18	11.16	11.40	11.52	-	455.03	447.52	474.24	484.99	-
Mining machinery .....	3532	10.99	11.00	11.17	11.31	-	437.40	429.00	451.27	470.50	-
Oil field machinery .....	3533	10.54	10.59	10.51	10.53	-	425.82	429.95	438.27	449.63	-
Conveyors and conveying equipment .....	3535	9.08	9.05	9.85	9.99	-	365.92	354.76	398.93	416.58	-
Industrial trucks and tractors .....	3537	9.13	9.10	9.02	9.15	-	369.77	365.82	368.02	376.98	-
Metalworking machinery .....	354	9.84	9.87	10.10	10.19	-	404.42	408.62	428.24	439.19	-
Machine tools, metal cutting types .....	3541	9.93	9.88	10.25	10.22	-	394.22	396.19	434.60	435.37	-
Machine tools, metal forming types .....	3542	10.61	10.71	10.54	10.63	-	407.42	425.19	441.63	452.84	-
Special dies, tools, jigs, and fixtures .....	3544	10.43	10.48	10.72	10.89	-	438.06	443.30	464.18	480.25	-
Machine tool accessories .....	3545	8.97	9.03	9.14	9.24	-	365.98	370.23	380.22	391.78	-
Power driven hand tools .....	3546	7.77	7.77	8.17	8.03	-	314.69	317.79	336.60	338.06	-
Special industry machinery .....	355	9.39	9.45	9.65	9.83	-	387.81	387.45	397.58	414.83	-
Food products machinery .....	3551	9.83	9.88	10.15	10.18	-	404.01	401.13	422.24	426.54	-
Textile machinery .....	3552	7.38	7.47	7.62	7.69	-	298.15	312.25	312.42	319.14	-
Printing trades machinery .....	3555	9.56	9.73	9.76	10.22	-	401.52	396.98	400.16	442.53	-
General industrial machinery .....	356	9.52	9.51	9.74	9.82	-	391.27	391.81	404.21	410.48	-
Pumps and pumping equipment .....	3561	9.92	9.99	10.35	10.43	-	407.71	405.59	423.32	425.54	-
Ball and roller bearings .....	3562	9.49	9.44	9.98	10.06	-	407.12	405.92	433.13	443.65	-
Air and gas compressors .....	3563	9.86	9.95	9.66	9.75	-	399.33	404.97	390.26	396.83	-
Blowers and fans .....	3564	8.74	8.68	8.84	8.87	-	354.84	349.80	357.14	362.78	-
Speed changers, drives, and gears .....	3566	10.07	10.07	10.51	10.49	-	409.85	408.84	433.01	433.24	-
Power transmission equipment, nec .....	3568	9.47	9.43	9.88	9.99	-	379.75	390.40	401.13	416.58	-
Office and computing machines .....	357	8.65	8.72	8.84	9.07	-	366.76	367.11	373.69	383.66	-
Electronic computing equipment .....	3573	8.64	8.71	8.89	8.99	-	368.06	367.56	370.71	379.38	-
Refrigeration and service machinery .....	358	9.36	9.32	9.63	9.81	-	385.63	383.05	395.79	407.12	-
Refrigeration and heating equipment .....	3585	9.68	9.64	9.92	10.10	-	398.82	396.20	410.69	424.20	-
Misc. machinery, except electrical .....	359	9.57	9.57	9.69	9.73	-	388.54	391.41	402.14	403.80	-
Carburetors, pistons, rings, and valves .....	3592	10.95	11.14	11.59	11.68	-	452.24	468.99	487.94	481.22	-
Machinery, except electrical, nec .....	3599	9.31	9.29	9.35	9.38	-	376.12	378.10	387.09	389.27	-
Electrical and electronic equipment .....	36	8.73	8.71	9.00	9.08	\$9.09	358.80	357.98	366.30	373.19	\$371.78
Electric distributing equipment .....	361	8.43	8.39	8.78	8.76	-	341.42	339.80	356.47	359.16	-
Transformers .....	3612	8.35	8.40	8.72	8.73	-	340.68	346.92	361.01	364.04	-
Switchgear and switchboard apparatus .....	3613	8.49	8.38	8.83	8.78	-	341.30	333.52	353.20	355.59	-
Electrical industrial apparatus .....	362	8.84	8.87	9.14	9.25	-	362.44	358.35	372.00	383.88	-
Motors and generators .....	3621	8.86	8.88	9.13	9.26	-	372.12	364.08	371.59	389.85	-
Industrial controls .....	3622	8.61	8.67	8.94	9.00	-	345.26	348.53	360.28	364.50	-
Household appliances .....	363	8.62	8.63	8.86	8.94	-	356.87	354.69	352.63	360.28	-
Household refrigerators and freezers .....	3632	9.91	9.91	10.36	10.23	-	444.96	408.29	434.08	442.96	-
Household laundry equipment .....	3633	10.10	10.05	10.61	10.68	-	406.02	405.02	416.97	421.86	-
Electric housewares and fans .....	3634	6.61	6.68	6.76	6.84	-	270.35	273.21	264.32	273.60	-
Electric lighting and wiring equipment .....	364	8.15	8.15	8.39	8.50	-	333.34	332.52	338.96	342.55	-
Electric lamps .....	3641	9.31	9.34	9.61	9.80	-	382.64	380.14	395.93	406.70	-
Current-carrying wiring devices .....	3643	7.61	7.67	7.85	7.89	-	309.73	312.17	318.71	317.18	-
Noncurrent-carrying wiring devices .....	3644	8.44	8.39	8.77	8.86	-	340.13	342.31	360.45	361.49	-
Residential lighting fixtures .....	3645	6.33	6.17	6.54	6.62	-	255.10	249.89	248.52	253.55	-
Radio and TV receiving equipment .....	365	8.43	8.32	8.85	8.94	-	338.04	337.79	352.23	369.22	-
Radio and TV receiving sets .....	3651	8.76	8.67	9.01	9.21	-	354.78	355.47	354.99	375.77	-
Communication equipment .....	366	10.39	10.32	10.83	10.98	-	428.07	424.15	444.03	455.67	-
Telephone and telegraph apparatus .....	3661	10.32	10.13	10.77	11.01	-	435.50	423.43	438.34	456.92	-
Radio and TV communication equipment .....	3662	10.42	10.43	10.86	10.96	-	424.09	424.50	446.35	454.84	-
Electronic components and accessories .....	367	7.58	7.58	7.82	7.83	-	310.78	311.54	319.84	321.81	-
Electronic tubes .....	3671-3	9.76	9.78	10.02	10.06	-	401.14	403.91	412.82	425.54	-
Semiconductors and related devices .....	3674	8.73	8.75	9.23	9.17	-	364.04	365.75	384.89	380.56	-
Electronic components, nec .....	3679	7.01	7.00	7.15	7.18	-	287.41	287.70	291.01	295.10	-
Misc. electrical equipment and supplies .....	369	9.62	9.61	9.82	9.95	-	400.19	409.39	403.60	411.93	-
Storage batteries .....	3691	10.17	10.22	10.53	10.83	-	427.14	458.88	434.89	457.03	-
Engine electrical equipment .....	3694	10.27	10.17	10.38	10.46	-	430.31	434.26	425.58	435.14	-

See footnotes at end of table.

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

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Durable goods—Continued</b>											
Transportation equipment .....	37	42.8	42.6	41.6	42.2	42.3	4.7	4.5	4.3	4.5	-
Motor vehicles and equipment .....	371	44.4	44.1	42.3	43.1	43.4	5.9	5.7	4.9	5.2	-
Motor vehicles and car bodies .....	3711	45.0	44.4	41.2	42.6	-	6.5	6.3	4.7	5.0	-
Truck and bus bodies .....	3713	40.7	40.2	41.0	40.6	-	2.8	2.9	3.6	3.2	-
Motor vehicle parts and accessories .....	3714	44.5	44.4	43.7	44.3	-	5.8	5.7	5.6	5.8	-
Truck trailers .....	3715	41.3	40.9	39.9	40.6	-	3.8	3.3	2.7	2.9	-
Aircraft and parts .....	372	41.3	41.4	41.6	41.9	-	3.5	3.5	4.0	4.5	-
Aircraft .....	3721	40.5	40.7	-	-	-	2.6	2.6	-	-	-
Aircraft engines and engine parts .....	3724	42.1	42.0	41.7	42.1	-	4.6	4.6	4.9	5.3	-
Aircraft equipment, nec .....	3728	41.8	42.1	42.2	42.7	-	3.9	3.8	4.8	5.2	-
Ship and boat building and repairing .....	373	40.1	40.1	39.7	39.4	-	2.8	2.5	3.1	3.0	-
Ship building and repairing .....	3731	40.4	40.2	39.7	39.6	-	3.1	2.7	3.5	3.5	-
Boat building and repairing .....	3732	39.2	39.5	39.5	38.9	-	2.0	1.9	1.8	1.7	-
Railroad equipment .....	374	39.7	37.8	40.8	41.5	-	2.5	1.1	3.1	3.7	-
Guided missiles, space vehicles, and parts .....	376	42.0	41.8	41.7	42.2	-	4.1	3.7	3.0	3.1	-
Guided missiles and space vehicles .....	3761	42.3	42.0	42.0	42.5	-	4.6	4.0	3.0	3.1	-
Miscellaneous transportation equipment .....	379	40.2	40.4	39.6	39.8	-	2.8	2.8	2.9	2.8	-
Travel trailers and campers .....	3792	38.8	39.8	37.7	37.4	-	2.3	2.5	1.9	1.3	-
Instruments and related products .....	38	40.9	40.6	41.0	41.6	41.2	2.4	2.2	2.4	2.6	-
Engineering and scientific instruments .....	381	41.4	41.3	41.1	41.2	-	2.7	2.6	2.4	2.8	-
Measuring and controlling devices .....	382	41.1	40.6	41.4	42.7	-	2.0	2.0	2.4	2.7	-
Environmental controls .....	3822	40.7	41.0	41.1	41.9	-	2.9	2.7	2.5	2.8	-
Process control instruments .....	3823	39.5	39.4	41.6	42.6	-	1.3	1.4	2.9	3.6	-
Instruments to measure electricity .....	3825	42.3	41.1	41.3	43.1	-	1.6	1.7	2.0	2.0	-
Optical instruments and lenses .....	383	43.7	42.9	43.3	43.7	-	3.2	2.9	3.5	3.6	-
Medical instruments and supplies .....	384	40.1	40.1	39.5	39.6	-	2.6	2.3	2.1	2.0	-
Surgical and medical instruments .....	3841	40.4	39.8	39.6	39.2	-	2.5	2.3	2.1	2.0	-
Surgical appliances and supplies .....	3842	39.8	40.4	39.4	40.0	-	2.8	2.5	2.0	2.1	-
Ophthalmic goods .....	385	40.1	39.5	40.1	40.0	-	2.3	1.4	1.9	2.1	-
Photographic equipment and supplies .....	386	41.4	41.3	42.4	42.9	-	2.5	2.3	2.6	3.3	-
Watches, clocks, and watchcases .....	387	40.0	39.6	41.2	41.4	-	3.2	2.8	2.8	2.4	-
Miscellaneous manufacturing .....	39	39.4	39.8	39.1	39.6	39.5	2.3	2.6	2.1	2.3	-
Jewelry, silverware, and plated ware .....	391	38.6	39.3	37.6	38.7	-	1.8	2.7	1.4	1.8	-
Jewelry, precious metal .....	3911	37.5	38.8	37.0	38.0	-	1.5	3.0	1.3	1.6	-
Musical instruments .....	393	39.6	40.5	39.9	40.1	-	1.8	1.8	1.5	1.9	-
Toys and sporting goods .....	394	39.7	40.3	39.3	39.2	-	2.3	2.7	2.5	2.2	-
Dolls, games, toys, and children's vehicles .....	3942,4	39.6	40.0	38.7	39.4	-	2.5	3.0	2.1	1.9	-
Sporting and athletic goods, nec .....	3949	39.8	40.6	40.0	39.1	-	2.0	2.4	2.9	2.5	-
Pens, pencils, office, and art supplies .....	395	39.9	40.7	40.6	40.3	-	2.1	2.6	2.6	2.3	-
Costume jewelry and notions .....	396	38.0	37.5	37.2	38.2	-	2.8	2.6	1.8	2.1	-
Costume jewelry .....	3961	36.6	35.6	35.2	37.2	-	3.0	2.7	1.5	2.0	-
Miscellaneous manufactures .....	399	39.7	40.0	39.4	40.6	-	2.4	2.6	2.2	2.6	-
Signs and advertising displays .....	3993	40.5	40.5	39.8	41.1	-	2.9	2.8	2.4	3.0	-
<b>Nondurable goods</b> .....		40.1	39.9	39.6	39.7	39.5	3.5	3.3	3.3	3.4	3.2
Food and kindred products .....	20	40.4	39.8	40.1	40.3	39.8	4.5	3.9	4.4	4.6	-
Meat products .....	201	39.9	39.6	39.9	40.7	-	3.9	3.9	3.6	4.3	-
Meat packing plants .....	2011	41.3	41.3	40.6	42.3	-	4.8	4.9	4.0	5.2	-
Sausages and other prepared meats .....	2013	40.4	40.0	40.6	40.7	-	3.8	3.7	3.9	4.3	-
Poultry dressing plants .....	2016	38.2	38.0	39.1	39.1	-	2.9	2.9	3.2	3.4	-
Dairy products .....	202	41.9	40.5	40.9	41.6	-	4.5	3.7	4.1	4.5	-
Cheese, natural and processed .....	2022	40.1	39.6	39.4	40.4	-	3.6	3.4	3.1	4.1	-
Fluid milk .....	2026	42.7	41.6	41.5	42.1	-	5.0	4.1	4.6	5.0	-
Preserved fruits and vegetables .....	203	41.0	39.2	39.8	39.5	-	6.1	4.4	5.8	5.6	-
Canned specialties .....	2032	46.2	43.6	42.0	44.4	-	9.5	7.0	6.1	8.6	-
Canned fruits and vegetables .....	2033	41.4	39.1	40.1	39.0	-	7.0	4.6	6.9	6.5	-
Frozen fruits and vegetables .....	2037	39.9	37.9	39.9	40.6	-	5.6	4.2	5.7	5.2	-
Grain mill products .....	204	44.2	43.5	43.5	44.0	-	6.4	5.8	6.0	6.2	-
Flour and other grain mill products .....	2041	48.2	47.0	44.8	46.8	-	8.5	7.2	6.3	7.6	-
Prepared feeds, nec .....	2048	43.5	43.6	43.0	43.1	-	6.1	6.1	6.1	6.0	-
Bakery products .....	205	38.1	38.3	38.6	38.7	-	3.1	3.0	3.0	3.2	-
Bread, cake, and related products .....	2051	37.7	37.7	37.9	37.8	-	3.2	3.1	3.2	3.4	-
Cookies and crackers .....	2052	39.0	39.8	40.5	40.9	-	2.7	2.6	2.5	2.7	-

See footnotes at end of table.



ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED

C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>	Oct. 1984 <sup>p</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>	Oct. 1984 <sup>p</sup>
<b>Durable goods—Continued</b>											
Transportation equipment .....	37	\$11.80	\$11.87	\$12.13	\$12.26	\$12.35	\$505.04	\$505.66	\$504.61	\$517.37	\$522.41
Motor vehicles and equipment .....	371	12.31	12.38	12.59	12.70	12.90	546.56	545.96	532.56	547.37	559.86
Motor vehicles and car bodies .....	3711	13.59	13.64	14.07	14.08	-	611.55	605.62	579.68	599.81	-
Truck and bus bodies .....	3713	9.33	9.38	9.84	10.05	-	379.73	377.08	403.44	408.03	-
Motor vehicle parts and accessories .....	3714	11.75	11.82	12.11	12.22	-	522.88	524.81	529.21	541.35	-
Truck trailers .....	3715	8.70	8.75	8.82	8.78	-	359.31	357.88	351.92	356.47	-
Aircraft and parts .....	372	11.90	11.99	12.39	12.54	-	491.47	496.39	515.42	525.43	-
Aircraft .....	3721	12.64	12.76	-	-	-	511.92	519.33	-	-	-
Aircraft engines and engine parts .....	3724	11.77	11.84	12.47	12.47	-	495.52	497.28	520.00	524.99	-
Aircraft equipment, nec .....	3728	10.81	10.84	11.40	11.46	-	451.86	456.36	481.08	489.34	-
Ship and boat building and repairing .....	373	9.80	9.93	10.33	10.32	-	392.98	398.19	410.10	406.61	-
Ship building and repairing .....	3731	10.54	10.68	11.21	11.18	-	425.82	429.34	445.04	442.73	-
Boat building and repairing .....	3732	7.55	7.57	7.80	7.81	-	295.96	299.02	308.10	303.81	-
Railroad equipment .....	374	12.46	12.15	12.30	12.51	-	494.66	459.27	501.84	520.42	-
Guided missiles, space vehicles, and parts .....	376	11.70	11.83	11.85	12.01	-	491.40	494.49	494.15	506.82	-
Guided missiles and space vehicles .....	3761	11.94	12.12	12.05	12.22	-	505.06	509.04	506.10	519.35	-
Miscellaneous transportation equipment .....	379	9.53	9.63	9.65	9.76	-	383.11	389.05	382.14	388.45	-
Travel trailers and campers .....	3792	8.38	8.50	8.47	8.59	-	325.14	338.30	319.32	321.27	-
<b>Instruments and related products</b>											
Engineering and scientific instruments .....	38	8.54	8.54	8.85	8.89	8.84	349.29	346.72	362.85	369.82	364.21
Measuring and controlling devices .....	381	9.08	9.08	9.46	9.62	-	375.91	375.00	388.81	396.34	-
Environmental controls .....	382	8.53	8.51	8.75	8.78	-	350.58	345.51	362.25	374.91	-
Environmental controls .....	3822	8.01	7.98	8.19	8.18	-	326.01	327.18	336.61	342.74	-
Process control instruments .....	3823	8.61	8.61	8.82	8.86	-	340.10	339.23	366.91	377.44	-
Instruments to measure electricity .....	3825	8.82	8.81	9.12	9.15	-	373.09	362.09	376.66	394.37	-
Optical instruments and lenses .....	383	9.26	9.32	10.17	9.97	-	404.66	399.83	440.36	435.69	-
Medical instruments and supplies .....	384	7.45	7.49	7.71	7.76	-	298.75	300.35	304.55	307.30	-
Surgical and medical instruments .....	3841	7.41	7.55	7.78	7.92	-	299.36	300.49	308.09	310.46	-
Surgical appliances and supplies .....	3842	7.51	7.45	7.67	7.63	-	298.90	300.98	302.20	305.20	-
Ophthalmic goods .....	385	6.45	6.41	6.58	6.69	-	258.65	253.20	263.86	267.60	-
Photographic equipment and supplies .....	386	11.18	11.12	11.56	11.61	-	462.85	459.26	490.14	498.07	-
Watches, clocks, and watchcases .....	387	6.38	6.39	6.58	6.50	-	255.20	253.04	271.10	269.10	-
<b>Miscellaneous manufacturing</b>											
Jewelry, silverware, and plated ware .....	39	6.83	6.84	6.97	7.02	7.09	269.10	272.23	272.53	277.99	280.06
Jewelry, silverware, and plated ware .....	391	7.33	7.45	7.56	7.58	-	282.94	292.79	284.26	293.35	-
Jewelry, precious metal .....	3911	7.30	7.44	7.63	7.65	-	273.75	288.67	282.31	290.70	-
Musical instruments .....	393	6.59	6.65	6.83	6.76	-	260.96	269.33	272.52	271.08	-
Toys and sporting goods .....	394	6.24	6.20	6.31	6.40	-	247.73	249.86	247.98	250.88	-
Dolls, games, toys, and children's vehicles .....	3942,4	5.90	5.86	6.01	6.03	-	233.64	234.40	232.59	237.58	-
Sporting and athletic goods, nec .....	3949	6.60	6.56	6.63	6.80	-	262.68	266.34	265.20	265.88	-
Pens, pencils, office, and art supplies .....	395	7.11	7.13	7.31	7.41	-	280.69	290.19	296.79	298.62	-
Costume jewelry and notions .....	396	5.80	5.66	5.75	5.73	-	220.40	212.25	213.90	218.89	-
Costume jewelry .....	3961	5.38	5.17	5.39	5.39	-	196.91	184.05	189.73	200.51	-
Miscellaneous manufactures .....	399	7.45	7.49	7.71	7.75	-	295.77	299.60	303.77	314.65	-
Signs and advertising displays .....	3993	8.12	8.23	8.20	8.20	-	328.86	333.32	326.36	337.02	-
<b>Nondurable goods</b>											
Food and kindred products .....	20	8.11	8.12	8.37	8.43	8.44	325.21	323.99	331.45	334.67	333.38
Food and kindred products .....	201	8.17	8.16	8.36	8.36	8.35	330.07	324.77	335.24	336.91	332.33
Meat products .....	2011	7.32	7.27	7.23	7.25	-	292.07	287.89	288.48	295.08	-
Meat packing plants .....	2011	8.45	8.34	8.16	8.22	-	348.99	344.44	331.30	347.71	-
Sausages and other prepared meats .....	2013	9.02	8.95	9.02	8.86	-	364.41	358.00	366.21	360.60	-
Poultry dressing plants .....	2016	5.33	5.35	5.55	5.59	-	203.61	203.30	217.01	218.57	-
Dairy products .....	202	8.60	8.66	8.73	8.85	-	360.34	350.73	357.06	368.16	-
Cheese, natural and processed .....	2022	8.23	8.21	8.29	8.44	-	330.02	325.12	326.63	340.98	-
Fluid milk .....	2026	8.88	8.87	8.99	9.10	-	379.18	368.99	373.09	383.11	-
Preserved fruits and vegetables .....	203	7.30	7.28	7.57	7.47	-	299.30	285.38	301.29	295.07	-
Canned specialties .....	2032	8.65	8.51	9.01	9.09	-	399.63	371.04	378.42	403.60	-
Canned fruits and vegetables .....	2033	7.16	7.11	7.60	7.32	-	296.42	278.00	304.76	285.48	-
Frozen fruits and vegetables .....	2037	7.06	7.00	7.06	7.01	-	281.69	265.30	281.69	284.61	-
Grain mill products .....	204	9.78	9.73	10.25	10.25	-	432.28	423.26	445.88	451.00	-
Flour and other grain mill products .....	2041	9.97	9.95	10.09	10.15	-	480.55	467.65	452.03	475.02	-
Prepared feeds, nec .....	2048	7.40	7.44	7.73	7.82	-	321.90	324.38	332.39	337.04	-
Bakery products .....	205	9.06	9.06	9.46	9.55	-	345.19	347.00	365.16	369.59	-
Bread, cake, and related products .....	2051	9.10	9.11	9.45	9.58	-	343.07	343.45	358.16	362.12	-
Cookies and crackers .....	2052	8.96	8.95	9.47	9.48	-	349.44	356.21	383.54	387.73	-

See footnotes at end of table.

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

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>a</sup>	Oct. 1984 <sup>a</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>a</sup>	Oct. 1984 <sup>a</sup>
<b>Nondurable goods—Continued</b>											
<b>Food and kindred products—Continued</b>											
Sugar and confectionery products .....	206	40.4	41.2	40.3	40.3	-	3.3	3.9	3.1	3.7	-
Cane and beet sugar .....	2061-3	41.7	42.9	42.2	41.0	-	5.8	6.5	4.9	5.5	-
Confectionery products .....	2065	39.7	40.3	39.1	39.6	-	2.1	2.7	2.4	3.0	-
Fats and oils .....	207	43.3	42.5	42.4	43.1	-	5.5	5.2	5.0	5.2	-
Beverages .....	208	40.9	40.0	40.7	40.6	-	4.3	3.5	4.1	4.0	-
Malt beverages .....	2082	41.7	41.8	42.8	42.4	-	5.2	5.1	5.6	4.9	-
Bottled and canned soft drinks .....	2086	40.6	38.7	40.2	39.6	-	3.8	2.5	3.7	3.4	-
Misc. food and kindred products .....	209	37.7	37.5	38.2	38.9	-	3.4	3.1	4.7	4.5	-
Tobacco manufactures .....	21	38.4	38.4	39.2	39.7	40.0	1.2	.8	.9	1.1	-
Cigarettes .....	211	37.7	36.7	39.3	39.0	-	.9	.1	.4	.9	-
Textile mill products .....	22	41.5	41.1	39.7	39.4	39.2	4.1	4.0	3.1	3.0	-
Weaving mills, cotton .....	221	41.8	41.7	39.8	40.2	-	4.4	4.5	3.3	3.4	-
Weaving mills, synthetics .....	222	41.4	41.7	40.6	40.4	-	4.0	4.1	3.5	3.3	-
Weaving and finishing mills, wool .....	223	41.1	41.0	42.0	42.3	-	4.1	3.8	4.2	4.3	-
Narrow fabric mills .....	224	41.0	39.8	39.3	39.2	-	2.9	2.4	2.2	2.0	-
Knitting mills .....	225	39.8	39.4	37.9	37.0	-	3.3	3.2	2.3	1.9	-
Women's hosiery, except socks .....	2251	40.9	39.4	36.2	34.9	-	3.9	3.3	1.4	1.2	-
Hosiery, nec .....	2252	38.6	38.1	38.5	37.0	-	2.3	2.1	2.2	1.7	-
Knit outerwear mills .....	2253	38.8	38.4	37.4	36.5	-	3.2	2.9	2.2	1.8	-
Knit underwear mills .....	2254	38.2	38.0	36.9	36.6	-	1.6	1.7	1.7	1.4	-
Circular knit fabric mills .....	2257	43.0	43.5	39.9	39.5	-	5.0	5.6	3.2	2.7	-
Textile finishing, except wool .....	226	42.1	41.6	40.4	41.1	-	4.4	4.3	3.9	4.1	-
Finishing plants, cotton .....	2261	42.5	42.2	39.9	41.2	-	4.4	4.4	4.1	4.0	-
Finishing plants, synthetics .....	2262	41.1	40.4	40.9	41.4	-	4.2	4.1	4.5	4.7	-
Floor covering mills .....	227	43.5	42.2	41.8	41.0	-	5.7	4.9	4.3	3.9	-
Yarn and thread mills .....	228	42.0	41.6	39.0	38.6	-	4.4	4.1	2.9	2.7	-
Yarn mills, except wool .....	2281	42.9	42.4	39.4	38.8	-	5.0	4.6	3.1	3.0	-
Throwing and winding mills .....	2282	38.6	38.0	36.8	37.2	-	3.1	2.7	2.5	2.3	-
Miscellaneous textile goods .....	229	43.5	43.2	42.5	42.6	-	4.5	4.7	3.9	3.8	-
Apparel and other textile products .....	23	36.8	36.8	36.3	36.1	36.3	1.5	1.6	1.3	1.3	-
Men's and boys' suits and coats .....	231	36.9	36.9	36.6	36.7	-	.9	.9	1.3	1.1	-
Men's and boys' furnishings .....	232	37.9	37.7	37.2	36.6	-	1.3	1.2	1.1	1.0	-
Men's and boys' shirts and nightwear .....	2321	36.9	37.2	37.3	37.1	-	1.2	1.3	1.0	1.1	-
Men's and boys' separate trousers .....	2327	36.9	36.8	36.6	35.8	-	1.2	1.1	1.1	.9	-
Men's and boys' work clothing .....	2328	39.5	39.2	37.2	36.9	-	1.6	1.3	1.1	1.0	-
Women's and misses' outerwear .....	233	34.6	34.5	34.2	33.7	-	1.2	1.3	1.0	1.0	-
Women's and misses' blouses and waists .....	2331	35.0	34.8	33.9	33.5	-	1.1	1.3	.8	.9	-
Women's and misses' dresses .....	2335	33.0	32.8	32.9	32.8	-	.8	.9	.9	.7	-
Women's and misses' suits and coats .....	2337	34.6	34.1	35.4	34.8	-	1.3	1.4	1.2	1.3	-
Women's and misses' outerwear, nec .....	2339	35.7	36.1	35.0	34.2	-	1.4	1.6	1.1	1.2	-
Women's and children's undergarments .....	234	37.6	38.0	37.2	36.7	-	1.9	2.2	1.6	1.7	-
Women's and children's underwear .....	2341	37.9	38.2	37.3	36.7	-	2.0	2.3	1.6	1.7	-
Brassieres and allied garments .....	2342	36.1	37.2	36.5	36.9	-	1.3	1.5	1.6	1.5	-
Children's outerwear .....	236	35.6	36.2	35.9	36.1	-	.7	.8	.9	1.1	-
Children's dresses and blouses .....	2361	34.1	35.0	34.6	34.9	-	.6	.8	.8	1.0	-
Misc. apparel and accessories .....	238	36.6	37.2	37.4	37.7	-	1.6	1.9	1.4	1.7	-
Misc. fabricated textile products .....	239	39.8	40.1	38.5	39.1	-	2.8	2.9	2.4	2.6	-
Curtains and draperies .....	2391	39.7	38.5	37.4	37.7	-	1.9	1.7	1.5	1.4	-
House furnishings, nec .....	2392	40.4	41.2	38.5	39.0	-	3.4	4.0	2.3	2.9	-
Automotive and apparel trimmings .....	2396	41.5	42.0	42.0	41.8	-	4.2	4.4	4.9	4.5	-
Paper and allied products .....	26	43.5	43.3	43.0	43.4	43.0	5.4	5.1	4.9	5.3	-
Paper and pulp mills .....	261,2,6	45.3	45.1	44.7	45.2	-	7.3	7.0	6.6	6.9	-
Paper mills, except building paper .....	262	45.2	45.2	44.9	45.3	-	7.1	6.9	6.7	6.9	-
Paperboard mills .....	263	44.6	43.6	44.1	44.2	-	7.7	7.0	7.5	7.6	-
Misc. converted paper products .....	264	41.9	41.7	41.6	41.9	-	3.5	3.4	3.2	3.5	-
Paper coating and glazing .....	2641	43.1	42.1	42.5	42.2	-	3.6	3.2	3.0	3.0	-
Envelopes .....	2642	40.1	40.6	41.5	41.8	-	3.0	3.2	3.0	3.7	-
Bags, except textile bags .....	2643	42.4	42.5	42.1	42.3	-	3.8	3.8	3.8	4.1	-
Paperboard containers and boxes .....	265	43.0	42.9	42.2	42.9	-	4.9	4.6	4.4	4.9	-
Folding paperboard boxes .....	2651	41.8	42.0	42.8	42.7	-	3.9	3.8	4.3	4.3	-
Corrugated and solid fiber boxes .....	2653	44.9	44.5	42.8	44.2	-	6.1	5.7	5.0	6.0	-
Sanitary food containers .....	2654	42.6	42.2	42.1	41.6	-	4.3	3.8	4.7	4.5	-

See footnotes at end of table.

ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED

C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
<b>Food and kindred products—Continued</b>											
Sugar and confectionery products .....	206	\$8.03	\$7.76	\$8.49	\$8.45	-	\$324.41	\$319.71	\$342.15	\$340.54	-
Cane and beet sugar .....	2061-3	9.72	8.67	10.29	10.01	-	405.32	371.94	434.24	410.41	-
Confectionery products .....	2065	6.87	6.80	7.28	7.31	-	272.74	274.04	284.65	289.48	-
Fats and oils .....	207	9.09	8.87	9.00	8.96	-	393.60	376.98	381.60	386.18	-
Beverages .....	208	10.54	10.63	11.09	11.15	-	431.09	425.20	451.36	452.69	-
Malt beverages .....	2082	14.18	14.34	15.27	15.22	-	591.31	599.41	653.56	645.33	-
Bottled and canned soft drinks .....	2086	8.01	7.92	8.32	8.44	-	325.21	306.50	334.46	334.22	-
Misc. food and kindred products .....	209	7.48	7.46	7.50	7.52	-	282.00	279.75	286.50	292.53	-
Tobacco manufactures .....	21	9.90	9.65	10.75	10.36	\$10.29	380.16	370.56	421.40	411.29	\$411.60
Cigarettes .....	211	12.68	12.51	13.40	13.63	-	478.04	459.12	526.62	531.57	-
Textile mill products .....	22	6.23	6.24	6.46	6.49	6.49	258.55	256.46	256.46	255.71	254.41
Weaving mills, cotton .....	221	6.46	6.49	6.71	6.76	-	270.03	270.63	267.06	271.75	-
Weaving mills, synthetics .....	222	6.67	6.67	6.95	6.98	-	276.14	278.14	282.17	281.99	-
Weaving and finishing mills, wool .....	223	6.67	6.58	6.83	6.82	-	274.14	269.78	286.86	288.49	-
Narrow fabric mills .....	224	5.94	5.90	6.14	6.15	-	243.54	234.82	241.30	241.08	-
Knitting mills .....	225	5.72	5.73	5.92	5.92	-	227.66	225.76	224.37	219.04	-
Women's hosiery, except socks .....	2251	5.63	5.59	5.76	5.81	-	230.27	220.25	208.51	202.77	-
Hosiery, nec .....	2252	5.42	5.41	5.61	5.62	-	209.21	206.12	215.99	207.94	-
Knit outerwear mills .....	2253	5.58	5.65	5.82	5.79	-	216.50	216.96	217.67	211.34	-
Knit underwear mills .....	2254	5.31	5.37	5.55	5.52	-	202.84	204.06	204.80	202.03	-
Circular knit fabric mills .....	2257	6.42	6.40	6.54	6.52	-	276.06	278.40	260.95	257.54	-
Textile finishing, except wool .....	226	6.62	6.60	6.88	6.91	-	278.70	274.56	277.95	284.00	-
Finishing plants, cotton .....	2261	6.62	6.62	6.94	7.00	-	281.35	279.36	276.91	288.40	-
Finishing plants, synthetics .....	2262	6.97	6.89	7.34	7.31	-	286.47	278.36	300.21	302.63	-
Floor covering mills .....	227	6.41	6.35	6.63	6.59	-	278.84	267.97	277.13	270.19	-
Yarn and thread mills .....	228	5.86	5.84	6.04	6.07	-	246.12	242.94	235.56	234.30	-
Yarn mills, except wool .....	2281	5.86	5.84	6.05	6.06	-	251.39	247.62	238.37	235.13	-
Throwing and winding mills .....	2282	5.69	5.66	5.91	6.05	-	219.63	215.08	217.49	225.06	-
Miscellaneous textile goods .....	229	6.96	7.02	7.14	7.20	-	302.76	303.26	303.45	306.72	-
Apparel and other textile products .....	23	5.39	5.40	5.53	5.61	5.59	198.35	198.72	200.74	202.52	202.92
Men's and boys' suits and coats .....	231	6.27	6.26	6.56	6.62	-	231.36	230.99	240.10	242.95	-
Men's and boys' furnishings .....	232	4.94	4.93	5.05	5.09	-	187.23	185.86	187.86	186.29	-
Men's and boys' shirts and nightwear .....	2321	4.77	4.75	4.85	4.89	-	176.01	176.70	180.91	181.42	-
Men's and boys' separate trousers .....	2327	5.03	5.05	5.16	5.22	-	185.61	185.84	188.86	186.88	-
Men's and boys' work clothing .....	2328	4.89	4.88	5.07	5.10	-	193.16	191.30	188.60	188.19	-
Women's and misses' outerwear .....	233	5.37	5.39	5.51	5.58	-	185.80	185.96	188.44	188.05	-
Women's and misses' blouses and waists .....	2331	4.93	4.95	5.09	5.13	-	172.55	172.26	172.55	171.86	-
Women's and misses' dresses .....	2335	5.54	5.61	5.79	5.76	-	182.82	184.01	190.49	188.93	-
Women's and misses' suits and coats .....	2337	6.13	6.18	6.18	6.29	-	212.10	210.74	218.77	218.89	-
Women's and misses' outerwear, nec .....	2339	5.10	5.10	5.19	5.32	-	182.07	184.11	181.65	181.94	-
Women's and children's undergarments .....	234	4.93	4.94	5.04	5.18	-	185.37	187.72	187.49	190.11	-
Women's and children's underwear .....	2341	4.84	4.84	4.94	5.10	-	183.44	184.89	184.26	187.17	-
Brassieres and allied garments .....	2342	5.43	5.43	5.58	5.61	-	196.02	202.00	203.67	207.01	-
Children's outerwear .....	236	4.81	4.82	4.92	5.00	-	171.24	174.48	176.63	180.50	-
Children's dresses and blouses .....	2361	4.79	4.81	4.81	4.93	-	163.34	168.35	166.43	172.06	-
Misc. apparel and accessories .....	238	5.34	5.33	5.37	5.44	-	195.44	198.28	200.84	205.09	-
Misc. fabricated textile products .....	239	6.29	6.31	6.48	6.57	-	250.34	253.03	249.48	256.89	-
Curtains and draperies .....	2391	4.92	5.12	5.20	5.32	-	195.32	197.12	194.48	200.56	-
House furnishings, nec .....	2392	5.35	5.48	5.61	5.66	-	216.14	225.78	215.99	220.74	-
Automotive and apparel trimmings .....	2396	10.08	9.91	10.21	10.38	-	418.32	416.22	428.82	433.88	-
Paper and allied products .....	26	10.11	10.11	10.50	10.54	10.56	439.79	437.76	451.50	457.44	454.08
Paper and pulp mills .....	261,2,6	12.00	12.02	12.56	12.68	-	543.60	542.10	561.43	573.14	-
Paper mills, except building paper .....	262	11.95	11.97	12.61	12.71	-	540.14	541.04	566.19	575.76	-
Paperboard mills .....	263	12.34	12.34	13.14	13.20	-	550.36	538.02	579.47	583.44	-
Misc. converted paper products .....	264	8.86	8.85	9.09	9.13	-	371.23	369.05	378.14	382.55	-
Paper coating and glazing .....	2641	10.17	10.02	10.38	10.48	-	438.33	421.84	441.15	442.26	-
Envelopes .....	2642	8.09	8.20	8.21	8.35	-	324.41	332.92	340.72	349.03	-
Bags, except textile bags .....	2643	8.25	8.31	8.62	8.70	-	349.80	353.18	362.90	368.01	-
Paperboard containers and boxes .....	265	8.67	8.66	8.93	8.94	-	372.81	371.51	376.85	383.53	-
Folding paperboard boxes .....	2651	8.87	8.82	9.25	9.18	-	370.77	370.44	395.90	391.99	-
Corrugated and solid fiber boxes .....	2653	9.03	9.02	9.27	9.30	-	405.45	401.39	396.76	411.06	-
Sanitary food containers .....	2654	8.27	8.33	8.62	8.68	-	352.30	351.53	362.90	361.09	-

See footnotes at end of table.

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

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>	Oct. 1984 <sup>p</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>	Oct. 1984 <sup>p</sup>
<b>Nondurable goods—Continued</b>											
Printing and publishing .....	27	38.0	38.0	37.9	38.1	37.9	3.1	3.0	2.9	3.2	-
Newspapers .....	271	34.1	34.1	34.3	34.2	-	1.9	1.9	1.9	1.9	-
Periodicals .....	272	36.6	36.9	38.4	37.9	-	2.1	2.3	2.9	2.7	-
Books .....	273	39.8	39.3	39.1	39.0	-	3.5	3.4	3.3	3.4	-
Book publishing .....	2731	37.5	37.1	37.5	36.9	-	1.6	1.7	1.9	1.6	-
Book printing .....	2732	42.9	42.5	41.2	41.9	-	6.0	5.7	5.2	5.7	-
Miscellaneous publishing .....	274	35.1	35.1	35.6	36.0	-	1.7	1.5	1.9	2.2	-
Commercial printing .....	275	39.5	39.4	39.3	39.5	-	3.7	3.5	3.4	3.9	-
Commercial printing, letterpress .....	2751	39.0	38.9	38.9	38.9	-	3.4	3.0	3.0	3.3	-
Commercial printing, lithographic .....	2752	39.7	39.6	39.3	39.5	-	3.9	3.7	3.5	4.1	-
Manifold business forms .....	276	41.7	41.8	41.0	41.0	-	4.0	4.0	3.1	3.5	-
Blankbooks and bookbinding .....	278	39.0	38.9	39.0	39.8	-	2.3	2.2	2.3	2.9	-
Printing trade services .....	279	39.0	38.8	39.2	38.9	-	4.0	3.9	4.1	3.8	-
Chemicals and allied products .....	28	41.9	41.7	41.7	41.9	41.8	3.5	3.4	3.4	3.6	-
Industrial inorganic chemicals .....	281	42.0	41.5	41.9	42.1	-	3.4	3.1	3.3	3.5	-
Industrial inorganic chemicals, nec .....	2819	42.3	41.7	41.9	42.3	-	3.6	3.2	3.3	3.5	-
Plastics materials and synthetics .....	282	42.5	42.3	41.9	41.7	-	3.6	3.6	3.7	3.5	-
Plastics materials and resins .....	2821	43.1	43.3	43.3	42.8	-	4.6	4.9	4.9	4.5	-
Organic fibers, noncellulosic .....	2824	42.7	42.2	41.5	41.2	-	2.9	3.1	2.7	2.8	-
Drugs .....	283	40.9	40.8	40.8	40.6	-	2.9	2.9	2.6	2.7	-
Pharmaceutical preparations .....	2834	40.4	40.3	40.5	40.5	-	2.8	2.8	2.5	2.6	-
Soap, cleaners, and toilet goods .....	284	41.6	41.3	41.4	42.4	-	3.7	3.3	3.1	3.8	-
Soap and other detergents .....	2841	44.1	43.7	44.4	45.8	-	5.4	5.1	5.1	6.3	-
Toilet preparations .....	2844	40.4	40.1	39.6	40.4	-	2.9	2.4	1.9	2.4	-
Polishing, sanitation, and finishing preparations .....	2842,3	40.6	40.5	41.5	42.2	-	2.8	2.5	3.1	3.4	-
Paints and allied products .....	285	41.3	40.9	41.3	41.3	-	3.2	2.6	3.0	3.2	-
Industrial organic chemicals .....	286	42.9	42.4	42.7	42.9	-	3.8	3.8	4.2	4.2	-
Cyclic crudes and intermediates .....	2865	41.2	40.4	42.4	42.6	-	3.6	3.4	5.0	4.5	-
Gum, wood, and industrial organic chemicals, nec .....	2861,9	43.4	43.0	42.8	43.0	-	3.9	3.9	3.9	4.1	-
Agricultural chemicals .....	287	41.9	42.6	42.0	42.1	-	4.3	4.6	4.1	4.2	-
Miscellaneous chemical products .....	289	42.0	41.8	41.4	42.0	-	3.6	3.4	3.2	3.6	-
Petroleum and coal products .....	29	44.3	43.8	43.9	44.2	43.6	4.3	4.4	4.3	4.7	-
Petroleum refining .....	291	44.6	44.1	43.5	43.9	-	3.6	3.9	3.5	4.0	-
Paving and roofing materials .....	295	44.4	43.4	46.5	46.6	-	7.6	6.5	8.0	8.1	-
Rubber and misc. plastics products .....	30	41.9	41.9	41.4	41.6	41.4	4.1	4.1	3.7	3.8	-
Tires and inner tubes .....	301	44.4	44.5	44.5	43.6	-	5.6	6.1	5.7	4.6	-
Rubber and plastics footwear .....	302	37.0	38.3	39.4	37.3	-	1.3	1.5	2.1	2.3	-
Reclaimed rubber, and rubber and plastics hose and belting .....	303,4	42.4	41.8	41.4	41.9	-	4.2	3.5	3.8	3.9	-
Fabricated rubber products, nec .....	306	41.2	41.4	41.3	41.8	-	3.5	3.6	3.2	3.5	-
Miscellaneous plastics products .....	307	41.7	41.6	41.0	41.4	-	4.1	4.0	3.6	3.8	-
Leather and leather products .....	31	37.6	37.2	36.4	36.5	36.0	1.7	1.6	1.4	1.4	-
Leather tanning and finishing .....	311	40.5	39.7	38.9	39.4	-	3.6	3.1	2.6	2.5	-
Footwear, except rubber .....	314	36.9	36.5	36.0	35.7	-	1.3	1.0	1.1	1.0	-
Men's footwear, except athletic .....	3143	37.5	37.2	36.7	36.4	-	1.2	1.0	1.1	1.0	-
Women's footwear, except athletic .....	3144	36.8	36.2	35.2	34.6	-	1.4	1.0	1.2	.9	-
Luggage .....	316	38.6	38.7	37.3	38.6	-	2.4	3.3	2.1	2.6	-
Handbags and personal leather goods .....	317	39.0	38.3	36.2	36.7	-	2.1	2.2	1.2	1.4	-
<b>Transportation and public utilities</b> .....		39.4	39.5	39.7	39.9	39.2	-	-	-	-	-
Railroad transportation:											
Class I railroads <sup>2</sup> .....	4011	43.3	41.9	42.9	44.9	-	-	-	-	-	-
Local and interurban passenger transit .....	41	33.7	33.9	36.4	34.0	-	-	-	-	-	-
Local and suburban transportation .....	411	37.9	37.8	38.5	37.8	-	-	-	-	-	-
Intercity highway transportation .....	413	37.2	37.9	39.4	39.0	-	-	-	-	-	-
Trucking and warehousing .....	42	39.1	39.1	39.1	39.4	-	-	-	-	-	-
Trucking and trucking terminals .....	421,3	39.1	39.0	39.1	39.3	-	-	-	-	-	-
Public warehousing .....	422	38.8	40.8	39.2	40.3	-	-	-	-	-	-
Pipe lines, except natural gas .....	46	41.7	40.8	40.5	40.8	-	-	-	-	-	-

See footnotes at end of table.

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

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
Printing and publishing .....	27	\$9.23	\$9.23	\$9.42	\$9.51	\$9.50	\$350.74	\$350.74	\$357.02	\$362.33	\$360.05
Newspapers .....	271	9.28	9.36	9.44	9.47	-	316.45	319.18	323.79	323.87	-
Periodicals .....	272	9.68	9.75	10.05	10.10	-	354.29	359.78	385.92	382.79	-
Books .....	273	8.73	8.74	8.60	8.73	-	347.45	343.48	336.26	340.47	-
Book publishing .....	2731	8.15	8.18	8.20	8.28	-	305.63	303.48	307.50	305.53	-
Book printing .....	2732	9.42	9.43	9.06	9.26	-	404.12	400.78	373.27	387.99	-
Miscellaneous publishing .....	274	8.26	8.39	8.51	8.56	-	289.93	294.49	302.96	308.16	-
Commercial printing .....	275	9.55	9.49	9.73	9.84	-	377.23	373.91	382.39	388.68	-
Commercial printing, letterpress .....	2751	9.08	9.01	9.18	9.22	-	354.12	350.49	357.10	358.66	-
Commercial printing, lithographic .....	2752	9.70	9.65	9.99	10.10	-	385.09	382.14	392.61	398.95	-
Manifold business forms .....	276	9.33	9.36	9.53	9.57	-	389.06	391.25	390.73	392.37	-
Blankbooks and bookbinding .....	278	7.22	7.21	7.32	7.49	-	281.58	280.47	285.48	298.10	-
Printing trade services .....	279	10.93	10.85	11.54	11.66	-	426.27	420.98	452.37	453.57	-
Chemicals and allied products .....	28	10.70	10.79	11.13	11.24	11.27	448.33	449.94	464.12	470.96	471.09
Industrial inorganic chemicals .....	281	11.86	11.90	12.42	12.56	-	498.12	493.85	520.40	528.78	-
Industrial inorganic chemicals, nec .....	2819	11.89	11.97	12.43	12.58	-	502.95	499.15	520.82	532.13	-
Plastics materials and synthetics .....	282	10.69	10.77	11.21	11.34	-	454.33	455.57	469.70	472.88	-
Plastics materials and resins .....	2821	11.64	11.76	12.21	12.21	-	501.68	509.21	528.69	522.59	-
Organic fibers, noncellulosic .....	2824	10.19	10.22	10.71	11.03	-	435.11	431.28	444.47	454.44	-
Drugs .....	283	9.82	9.95	10.19	10.28	-	401.64	405.96	415.75	417.37	-
Pharmaceutical preparations .....	2834	9.49	9.54	10.03	10.10	-	383.40	384.46	406.22	409.05	-
Soap, cleaners, and toilet goods .....	284	9.60	9.74	9.78	9.99	-	399.36	402.26	404.89	423.58	-
Soap and other detergents .....	2841	12.41	12.60	12.80	13.16	-	547.28	550.62	568.32	602.73	-
Toilet preparations .....	2844	7.83	7.92	7.90	8.05	-	316.33	317.59	312.84	325.22	-
Polishing, sanitation, and finishing preparations .....	2842,3	9.10	9.18	9.43	9.55	-	369.46	371.79	391.35	403.01	-
Paints and allied products .....	285	9.36	9.42	9.73	9.85	-	386.57	385.28	401.85	406.81	-
Industrial organic chemicals .....	286	12.91	13.02	13.48	13.52	-	553.84	552.05	575.60	580.01	-
Cyclic crudes and intermediates .....	2865	12.61	12.43	13.03	12.92	-	519.53	502.17	552.47	550.39	-
Gum, wood, and industrial organic chemicals, nec .....	2861,9	13.00	13.20	13.62	13.71	-	564.20	567.60	582.94	589.53	-
Agricultural chemicals .....	287	10.67	10.67	11.04	11.07	-	447.07	454.54	463.68	466.05	-
Miscellaneous chemical products .....	289	9.77	9.77	10.14	10.20	-	410.34	408.39	419.80	428.40	-
Petroleum and coal products .....	29	13.38	13.38	13.32	13.53	13.43	592.73	586.04	584.75	598.03	585.55
Petroleum refining .....	291	14.52	14.52	14.50	14.73	-	647.59	640.33	630.75	646.65	-
Paving and roofing materials .....	295	9.86	9.86	10.09	10.25	-	437.78	427.92	469.19	477.65	-
Rubber and misc. plastics products .....	30	8.05	8.08	8.28	8.29	8.31	337.30	338.55	342.79	344.86	344.03
Tires and inner tubes .....	301	12.55	12.69	13.05	12.91	-	557.22	564.71	580.73	562.88	-
Rubber and plastics footwear .....	302	5.19	5.24	5.39	5.49	-	192.03	200.69	212.37	204.78	-
Reclaimed rubber, and rubber and plastics hose and belting .....	303,4	8.23	8.29	8.20	8.22	-	348.95	346.52	339.48	344.42	-
Fabricated rubber products, nec .....	306	7.84	7.82	8.03	8.09	-	323.01	323.75	331.64	338.16	-
Miscellaneous plastics products .....	307	7.35	7.37	7.57	7.62	-	306.50	306.59	310.37	315.47	-
Leather and leather products .....	31	5.57	5.56	5.67	5.73	5.76	209.43	206.83	206.39	209.15	207.36
Leather tanning and finishing .....	311	7.47	7.39	7.48	7.44	-	302.54	293.38	290.97	293.14	-
Footwear, except rubber .....	314	5.30	5.31	5.38	5.43	-	195.57	193.82	193.68	193.85	-
Men's footwear, except athletic .....	3143	5.52	5.48	5.67	5.74	-	207.00	203.86	208.09	208.94	-
Women's footwear, except athletic .....	3144	5.19	5.22	5.19	5.20	-	190.99	188.96	182.69	179.92	-
Luggage .....	316	6.22	6.31	6.31	6.52	-	240.09	244.20	235.36	251.67	-
Handbags and personal leather goods .....	317	5.24	5.19	5.56	5.63	-	204.36	198.78	201.27	206.62	-
<b>Transportation and public utilities .....</b>		<b>10.88</b>	<b>10.94</b>	<b>11.17</b>	<b>11.25</b>	<b>11.23</b>	<b>428.67</b>	<b>432.13</b>	<b>443.45</b>	<b>448.88</b>	<b>440.22</b>
Railroad transportation:											
Class I railroads <sup>2</sup> .....	4011	13.13	12.99	13.18	13.40	-	568.53	544.28	565.42	601.66	-
Local and interurban passenger transit .....	41	7.63	7.52	7.78	7.64	-	257.13	254.93	283.19	259.76	-
Local and suburban transportation .....	411	8.04	8.08	7.91	7.90	-	304.72	305.42	304.54	298.62	-
Intercity highway transportation .....	413	11.98	11.80	11.62	11.67	-	445.66	447.22	457.83	455.13	-
Trucking and warehousing .....	42	10.39	10.42	10.36	10.45	-	406.25	407.42	405.08	411.73	-
Trucking and trucking terminals .....	421,3	10.60	10.67	10.52	10.63	-	414.46	416.13	411.33	417.76	-
Public warehousing .....	422	7.49	7.19	7.90	7.90	-	290.61	293.35	309.68	318.37	-
Pipe lines, except natural gas .....	46	14.11	14.27	14.35	14.78	-	588.39	582.22	581.18	603.02	-

See footnotes at end of table.

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

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Transportation and public utilities—Continued</b>											
Communication .....	48	39.9	39.9	40.1	40.3	-	-	-	-	-	-
Telephone communication .....	481	40.5	40.6	40.8	40.8	-	-	-	-	-	-
Radio and television broadcasting .....	483	37.7	37.5	37.3	37.6	-	-	-	-	-	-
Electric, gas, and sanitary services .....	49	41.5	41.6	41.4	41.8	-	-	-	-	-	-
Electric services .....	491	41.7	41.7	41.6	42.3	-	-	-	-	-	-
Gas production and distribution .....	492	40.9	40.9	41.2	41.3	-	-	-	-	-	-
Combination utility services .....	493	41.8	42.4	41.7	41.8	-	-	-	-	-	-
Sanitary services .....	495	41.3	41.2	41.0	41.5	-	-	-	-	-	-
<b>Wholesale trade .....</b>		<b>38.7</b>	<b>38.7</b>	<b>38.8</b>	<b>38.8</b>	<b>38.7</b>	-	-	-	-	-
Durable goods .....	50	39.1	39.1	39.4	39.3	-	-	-	-	-	-
Motor vehicles and automotive equipment .....	501	39.1	39.0	39.3	39.1	-	-	-	-	-	-
Furniture and home furnishings .....	502	37.6	37.7	37.8	37.9	-	-	-	-	-	-
Lumber and construction materials .....	503	39.5	39.4	39.2	39.4	-	-	-	-	-	-
Sporting goods, toys, and hobby goods .....	504	38.0	37.9	38.9	38.5	-	-	-	-	-	-
Metals and minerals, except petroleum .....	505	40.2	40.4	40.6	40.6	-	-	-	-	-	-
Electrical goods .....	506	38.9	38.9	39.5	39.5	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	38.9	39.0	38.7	38.6	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	39.4	39.5	39.7	39.7	-	-	-	-	-	-
Miscellaneous durable goods .....	509	37.7	37.9	38.1	38.3	-	-	-	-	-	-
Nondurable goods .....	51	38.1	38.1	37.9	38.0	-	-	-	-	-	-
Paper and paper products .....	511	37.3	37.3	37.5	37.7	-	-	-	-	-	-
Drugs, proprietaries, and sundries .....	512	38.0	37.4	37.7	37.8	-	-	-	-	-	-
Apparel, piece goods, and notions .....	513	37.0	37.0	36.5	36.4	-	-	-	-	-	-
Groceries and related products .....	514	38.7	38.6	38.5	38.6	-	-	-	-	-	-
Chemicals and allied products .....	516	39.5	39.0	39.2	39.5	-	-	-	-	-	-
Petroleum and petroleum products .....	517	39.4	39.2	39.1	39.5	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	36.0	35.6	36.6	36.1	-	-	-	-	-	-
Miscellaneous nondurable goods .....	519	37.2	37.5	37.3	37.2	-	-	-	-	-	-
<b>Retail trade .....</b>		<b>29.9</b>	<b>29.9</b>	<b>30.6</b>	<b>30.0</b>	<b>29.7</b>	-	-	-	-	-
Building materials and garden supplies .....	52	36.1	35.9	37.3	36.9	-	-	-	-	-	-
Lumber and other building materials .....	521	36.9	36.7	39.3	38.9	-	-	-	-	-	-
Hardware stores .....	525	34.0	33.7	33.7	33.1	-	-	-	-	-	-
General merchandise stores .....	53	29.6	29.3	29.7	29.3	-	-	-	-	-	-
Department stores .....	531	29.6	29.3	29.6	29.3	-	-	-	-	-	-
Variety stores .....	533	29.9	29.4	30.0	28.7	-	-	-	-	-	-
Misc. general merchandise stores .....	539	30.3	30.5	31.8	30.9	-	-	-	-	-	-
Food stores .....	54	30.8	30.5	31.4	30.8	-	-	-	-	-	-
Grocery stores .....	541	31.0	30.6	31.5	31.0	-	-	-	-	-	-
Retail bakeries .....	546	28.7	28.6	29.1	28.8	-	-	-	-	-	-
Automotive dealers and service stations .....	55	36.8	36.8	37.5	37.2	-	-	-	-	-	-
New and used car dealers .....	551,2	37.9	38.0	38.1	38.0	-	-	-	-	-	-
Auto and home supply stores .....	553	39.2	38.8	40.5	40.0	-	-	-	-	-	-
Gasoline service stations .....	554	34.3	34.3	35.3	34.7	-	-	-	-	-	-
Apparel and accessory stores .....	56	27.8	27.9	28.8	28.1	-	-	-	-	-	-
Men's and boys' clothing and furnishings .....	561	30.3	30.8	31.4	30.9	-	-	-	-	-	-
Women's ready-to-wear stores .....	562	27.0	27.0	27.3	27.2	-	-	-	-	-	-
Family clothing stores .....	565	27.4	28.1	29.3	28.4	-	-	-	-	-	-
Shoe stores .....	566	27.8	27.7	29.3	27.6	-	-	-	-	-	-
Furniture and home furnishings stores .....	57	34.5	34.5	34.4	34.1	-	-	-	-	-	-
Furniture and home furnishings stores .....	571	34.2	34.2	34.3	33.9	-	-	-	-	-	-
Household appliance stores .....	572	34.1	34.0	35.1	34.8	-	-	-	-	-	-
Radio, television, and music stores .....	573	35.1	35.2	34.4	34.3	-	-	-	-	-	-
Eating and drinking places <sup>3</sup> .....	58	26.4	26.7	27.2	26.4	-	-	-	-	-	-

See footnotes at end of table.

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

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Oct. 1984 <sup>P</sup>
<b>Transportation and public utilities—Continued</b>											
Communication .....	48	\$10.91	\$11.10	\$11.50	\$11.52	-	\$435.31	\$442.89	\$461.15	\$464.26	-
Telephone communication .....	481	11.55	11.77	12.28	12.30	-	467.78	477.86	501.02	501.84	-
Radio and television broadcasting .....	483	9.10	9.20	9.66	9.70	-	343.07	345.00	360.32	364.72	-
Electric, gas, and sanitary services .....	49	11.64	11.77	12.16	12.38	-	483.06	489.63	503.42	517.48	-
Electric services .....	491	11.74	11.79	12.30	12.53	-	489.56	491.64	511.68	530.02	-
Gas production and distribution .....	492	10.53	10.77	10.94	11.26	-	430.68	440.49	450.73	465.04	-
Combination utility services .....	493	13.47	13.65	14.12	14.24	-	563.05	578.76	588.80	595.23	-
Sanitary services .....	495	8.95	9.12	9.29	9.45	-	369.64	375.74	380.89	392.18	-
<b>Wholesale trade .....</b>		<b>8.62</b>	<b>8.69</b>	<b>8.95</b>	<b>9.03</b>	<b>\$8.98</b>	<b>333.59</b>	<b>336.30</b>	<b>347.26</b>	<b>350.36</b>	<b>\$347.53</b>
Durable goods .....	50	8.60	8.68	8.97	9.06	-	336.26	339.39	353.42	356.06	-
Motor vehicles and automotive equipment .....	501	7.87	7.93	8.15	8.20	-	307.72	309.27	320.30	320.62	-
Furniture and home furnishings .....	502	7.54	7.59	7.95	8.02	-	283.50	286.14	300.51	303.96	-
Lumber and construction materials .....	503	8.31	8.42	8.39	8.56	-	328.25	331.75	328.89	337.26	-
Sporting goods, toys, and hobby goods .....	504	8.96	8.97	9.82	9.85	-	340.48	339.96	382.00	379.23	-
Metals and minerals, except petroleum .....	505	9.16	9.27	9.62	9.72	-	368.23	374.51	390.57	394.63	-
Electrical goods .....	506	9.18	9.28	9.35	9.43	-	357.10	360.99	369.33	372.49	-
Hardware, plumbing, and heating equipment .....	507	8.07	8.20	8.44	8.58	-	313.92	319.80	326.63	331.19	-
Machinery, equipment, and supplies .....	508	8.95	9.02	9.46	9.57	-	352.63	356.29	375.56	379.93	-
Miscellaneous durable goods .....	509	7.43	7.48	7.49	7.47	-	280.11	283.49	285.37	286.10	-
Nondurable goods .....	51	8.65	8.70	8.91	8.98	-	329.57	331.47	337.69	341.24	-
Paper and paper products .....	511	9.46	9.60	9.62	9.82	-	352.86	358.08	360.75	370.21	-
Drugs, proprietaries, and sundries .....	512	9.39	9.66	9.63	9.94	-	356.82	361.28	363.05	375.73	-
Apparel, piece goods, and notions .....	513	8.17	8.24	8.60	8.77	-	302.29	304.88	313.90	319.23	-
Groceries and related products .....	514	8.78	8.80	9.09	9.16	-	339.79	339.68	349.97	353.58	-
Chemicals and allied products .....	516	10.00	10.01	10.30	10.52	-	395.00	390.39	403.76	415.54	-
Petroleum and petroleum products .....	517	10.18	10.15	9.87	9.89	-	401.09	397.88	385.92	390.66	-
Beer, wine, and distilled beverages .....	518	10.27	10.28	10.85	10.70	-	369.72	365.97	397.11	386.27	-
Miscellaneous nondurable goods .....	519	6.93	7.05	7.21	7.29	-	257.80	264.38	268.93	271.19	-
<b>Retail trade .....</b>		<b>5.78</b>	<b>5.79</b>	<b>5.84</b>	<b>5.90</b>	<b>5.90</b>	<b>172.82</b>	<b>173.12</b>	<b>178.70</b>	<b>177.00</b>	<b>175.23</b>
Building materials and garden supplies .....	52	6.26	6.32	6.47	6.53	-	225.99	226.89	241.33	240.96	-
Lumber and other building materials .....	521	6.54	6.54	6.74	6.79	-	241.33	240.02	264.88	264.13	-
Hardware stores .....	525	5.54	5.54	5.58	5.69	-	188.36	186.70	188.05	188.34	-
General merchandise stores .....	53	5.67	5.67	5.57	5.63	-	167.83	166.13	165.43	164.96	-
Department stores .....	531	5.89	5.89	5.76	5.82	-	174.34	172.58	170.50	170.53	-
Variety stores .....	533	4.37	4.35	4.50	4.47	-	130.66	127.89	135.00	128.29	-
Misc. general merchandise stores .....	539	4.53	4.52	4.50	4.57	-	137.26	137.86	143.10	141.21	-
Food stores .....	54	7.62	7.62	7.64	7.73	-	234.70	232.41	239.90	238.08	-
Grocery stores .....	541	7.89	7.91	7.90	8.00	-	244.59	242.05	248.85	248.00	-
Retail bakeries .....	546	5.18	5.16	5.23	5.27	-	148.67	147.58	152.19	151.78	-
Automotive dealers and service stations .....	55	6.82	6.82	7.08	7.15	-	250.98	250.98	265.50	265.98	-
New and used car dealers .....	551,2	8.12	8.14	8.55	8.59	-	307.75	309.32	325.76	326.42	-
Auto and home supply stores .....	553	6.22	6.09	6.44	6.51	-	243.82	236.29	260.82	260.40	-
Gasoline service stations .....	554	5.19	5.20	5.26	5.28	-	178.02	178.36	185.68	183.22	-
Apparel and accessory stores .....	56	5.03	5.05	5.09	5.17	-	139.83	140.90	146.59	145.28	-
Men's and boys' clothing and furnishings .....	561	5.76	5.77	5.71	5.86	-	174.53	177.72	179.29	181.07	-
Women's ready-to-wear stores .....	562	4.74	4.76	4.90	4.96	-	127.98	128.52	133.77	134.91	-
Family clothing stores .....	565	5.00	4.99	4.92	5.00	-	137.00	140.22	144.16	142.00	-
Shoe stores .....	566	5.06	5.15	5.19	5.21	-	140.67	142.66	152.07	143.80	-
Furniture and home furnishings stores .....	57	6.66	6.73	7.04	7.04	-	229.77	232.19	242.18	240.06	-
Furniture and home furnishings stores .....	571	6.53	6.55	6.93	6.96	-	223.33	224.01	237.70	235.94	-
Household appliance stores .....	572	7.09	7.04	7.19	7.18	-	241.77	239.36	252.37	249.86	-
Radio, television, and music stores .....	573	6.75	6.96	7.19	7.12	-	236.93	244.99	247.34	244.22	-
Eating and drinking places <sup>3</sup> .....	58	4.29	4.29	4.29	4.33	-	113.26	114.54	116.69	114.31	-

See footnotes at end of table.

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

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>	Oct. 1984 <sup>p</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>	Oct. 1984 <sup>p</sup>
<b>Retail trade—Continued</b>											
Miscellaneous retail .....	59	30.8	30.8	31.8	31.5	-	-	-	-	-	-
Drug stores and proprietary stores .....	591	28.4	28.4	30.6	30.2	-	-	-	-	-	-
Miscellaneous shopping goods stores .....	594	29.7	29.8	30.6	29.8	-	-	-	-	-	-
Nonstore retailers .....	596	33.9	34.1	34.6	34.8	-	-	-	-	-	-
Fuel and ice dealers .....	598	37.5	37.7	37.9	38.1	-	-	-	-	-	-
Retail stores, nec .....	599	32.1	32.4	32.2	32.1	-	-	-	-	-	-
<b>Finance, insurance, and real estate<sup>4</sup></b>											
Banking .....	60	36.1	36.6	36.5	36.7	-	-	-	-	-	-
Commercial and stock savings banks .....	602	36.1	36.5	36.5	36.7	-	-	-	-	-	-
Credit agencies other than banks .....	61	36.9	37.3	37.1	37.8	-	-	-	-	-	-
Savings and loan associations .....	612	36.0	36.8	36.5	37.4	-	-	-	-	-	-
Personal credit institutions .....	614	37.5	37.7	37.2	37.4	-	-	-	-	-	-
Insurance carriers .....	63	37.0	37.3	37.2	37.2	-	-	-	-	-	-
Life insurance .....	631	36.8	37.1	37.0	36.9	-	-	-	-	-	-
Medical service and health insurance .....	632	37.1	37.4	37.5	37.4	-	-	-	-	-	-
Fire, marine, and casualty insurance .....	633	36.9	37.2	37.0	37.4	-	-	-	-	-	-
<b>Services</b>											
Hotels and other lodging places:											
Hotels, motels, and tourist courts <sup>3</sup> .....	701	31.0	31.6	31.7	31.5	-	-	-	-	-	-
Personal services:											
Laundry, cleaning, and garment services .....	721	33.7	34.3	33.8	34.0	-	-	-	-	-	-
Beauty shops <sup>3</sup> .....	723	29.1	29.1	29.2	29.6	-	-	-	-	-	-
Business services .....	73	33.2	33.4	33.8	33.6	-	-	-	-	-	-
Advertising .....	731	36.4	36.4	36.1	36.1	-	-	-	-	-	-
Services to buildings .....	734	27.7	27.9	29.0	28.8	-	-	-	-	-	-
Computer and data processing services .....	737	38.3	38.3	38.2	38.6	-	-	-	-	-	-
Auto repair, services, and garages .....	75	37.8	37.5	38.3	38.0	-	-	-	-	-	-
Automotive repair shops .....	753	39.0	38.9	39.6	39.3	-	-	-	-	-	-
Miscellaneous repair services .....	76	38.5	38.3	39.2	38.5	-	-	-	-	-	-
Motion pictures .....	78	28.7	29.6	30.4	29.4	-	-	-	-	-	-
Motion picture production and services .....	781	38.7	39.7	39.9	39.3	-	-	-	-	-	-
Amusement and recreation services .....	79	29.4	29.5	31.7	29.9	-	-	-	-	-	-
Health services .....	80	32.6	32.5	32.5	32.6	-	-	-	-	-	-
Offices of physicians .....	801	31.0	31.2	30.6	30.7	-	-	-	-	-	-
Offices of dentists .....	802	27.9	27.9	28.9	28.4	-	-	-	-	-	-
Nursing and personal care facilities .....	805	31.5	31.4	31.3	31.8	-	-	-	-	-	-
Hospitals .....	806	34.3	34.0	34.1	34.2	-	-	-	-	-	-
Legal services .....	81	34.6	34.8	34.6	34.5	-	-	-	-	-	-
Miscellaneous services .....	89	38.7	38.7	38.9	38.7	-	-	-	-	-	-
Engineering and architectural services .....	891	39.6	39.7	39.9	39.6	-	-	-	-	-	-
Accounting, auditing, and bookkeeping .....	893	38.2	38.1	37.8	37.6	-	-	-	-	-	-

See footnotes at end of table.



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

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>	Oct. 1984 <sup>p</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>	Oct. 1984 <sup>p</sup>
<b>Retail trade—Continued</b>											
Miscellaneous retail .....	59	\$5.73	\$5.72	\$5.78	\$5.82	-	\$176.48	\$176.18	\$183.80	\$183.33	-
Drug stores and proprietary stores .....	591	5.53	5.50	5.32	5.40	-	157.05	156.20	162.79	163.08	-
Miscellaneous shopping goods stores .....	594	5.38	5.34	5.52	5.54	-	159.79	159.13	168.91	165.09	-
Nonstore retailers .....	596	6.13	6.11	6.25	6.21	-	207.81	208.35	216.25	216.11	-
Fuel and ice dealers .....	598	7.68	7.86	8.01	8.10	-	288.00	296.32	303.58	308.61	-
Retail stores, nec .....	599	5.91	5.92	6.18	6.23	-	189.71	191.81	199.00	199.98	-
<b>Finance, insurance, and real estate<sup>4</sup></b> .....		7.33	7.45	7.57	7.77	\$7.73	264.61	271.18	275.55	284.38	\$280.60
Banking .....	60	6.30	6.42	6.52	6.65	-	227.43	234.97	237.98	244.06	-
Commercial and stock savings banks .....	602	6.18	6.28	6.37	6.52	-	223.10	229.22	232.51	239.28	-
Credit agencies other than banks .....	61	6.47	6.59	6.84	6.95	-	238.74	245.81	253.76	262.71	-
Savings and loan associations .....	612	5.90	5.98	6.25	6.35	-	212.40	220.06	228.13	237.49	-
Personal credit institutions .....	614	6.49	6.62	6.56	6.76	-	243.38	249.57	244.03	252.82	-
Insurance carriers .....	63	8.23	8.23	8.47	8.54	-	304.51	306.98	315.08	317.69	-
Life insurance .....	631	8.22	8.18	8.32	8.31	-	302.50	303.48	307.84	306.64	-
Medical service and health insurance .....	632	7.95	7.98	8.35	8.43	-	294.95	298.45	313.13	315.28	-
Fire, marine, and casualty insurance .....	633	8.25	8.31	8.58	8.71	-	304.43	309.13	317.46	325.75	-
<b>Services</b> .....		7.37	7.43	7.53	7.71	7.72	241.00	242.96	248.49	252.89	250.90
Hotels and other lodging places:											
Hotels, motels, and tourist courts <sup>3</sup> .....	701	5.30	5.35	5.28	5.45	-	164.30	169.06	167.38	171.68	-
Personal services:											
Laundry, cleaning, and garment services .....	721	5.44	5.47	5.61	5.65	-	183.33	187.62	189.62	192.10	-
Beauty shops <sup>3</sup> .....	723	5.35	5.35	5.72	5.69	-	155.69	155.69	167.02	168.42	-
Business services .....	73	7.64	7.68	7.83	8.00	-	253.65	256.51	264.65	268.80	-
Advertising .....	731	9.77	10.02	10.34	10.86	-	355.63	364.73	373.27	392.05	-
Services to buildings .....	734	5.95	6.02	6.13	6.19	-	164.82	167.96	177.77	178.27	-
Computer and data processing services .....	737	10.21	10.28	10.54	10.66	-	391.04	393.72	402.63	411.48	-
Auto repair, services, and garages .....	75	6.98	6.97	7.12	7.17	-	263.84	261.38	272.70	272.46	-
Automotive repair shops .....	753	7.58	7.51	7.67	7.74	-	295.62	292.14	303.73	304.18	-
Miscellaneous repair services .....	76	8.26	8.33	8.62	8.69	-	318.01	319.04	337.90	334.57	-
Motion pictures .....	78	11.22	11.39	11.36	12.04	-	322.01	337.14	345.34	353.98	-
Motion picture production and services .....	781	15.16	15.01	16.46	16.57	-	586.69	595.90	656.75	651.20	-
Amusement and recreation services .....	79	6.71	6.80	6.35	6.91	-	197.27	200.60	201.30	206.61	-
Health services .....	80	7.49	7.51	7.75	7.83	-	244.17	244.08	251.88	255.26	-
Offices of physicians .....	801	7.30	7.35	7.54	7.72	-	226.30	229.32	230.72	237.00	-
Offices of dentists .....	802	7.22	7.19	7.39	7.44	-	201.44	200.60	213.57	211.30	-
Nursing and personal care facilities .....	805	5.26	5.27	5.39	5.42	-	165.69	165.48	168.71	172.36	-
Hospitals .....	806	8.26	8.28	8.59	8.68	-	283.32	281.52	292.92	296.86	-
Legal services .....	81	9.23	9.47	9.74	10.05	-	319.36	329.56	337.00	346.73	-
Miscellaneous services .....	89	10.77	10.95	11.06	11.32	-	416.80	423.77	430.23	438.08	-
Engineering and architectural services .....	891	11.54	11.74	11.80	12.06	-	456.98	466.08	470.82	477.58	-
Accounting, auditing, and bookkeeping .....	893	9.12	9.26	9.35	9.59	-	348.38	352.81	353.43	360.58	-

<sup>1</sup> 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.

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

<sup>3</sup> Money payments only; tips, not included.

<sup>4</sup> Data for nonoffice sales agents are excluded from all series in this

division.

- Data not available.

<sup>p</sup> = 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 overtime<sup>1</sup> of production workers on manufacturing payrolls**

Industry	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>	Oct. 1984 <sup>p</sup>
<b>Manufacturing</b> .....	\$8.52	\$8.54	\$8.77	\$8.84	\$8.86
<b>Durable goods</b> .....	9.07	9.09	9.28	9.35	9.36
Lumber and wood products .....	7.55	7.55	7.72	7.81	( <sup>1</sup> )
Furniture and fixtures .....	6.51	6.48	6.68	6.72	( <sup>1</sup> )
Stone, clay, and glass products .....	8.91	8.89	9.07	9.08	( <sup>1</sup> )
Primary metal industries .....	10.86	10.81	10.83	10.86	( <sup>1</sup> )
Fabricated metal products .....	8.80	8.81	8.92	8.99	( <sup>1</sup> )
Machinery, except electrical .....	9.27	9.30	9.52	9.57	( <sup>1</sup> )
Electrical and electronic equipment .....	8.41	8.40	8.68	8.75	( <sup>1</sup> )
Transportation equipment .....	11.19	11.27	11.54	11.63	( <sup>1</sup> )
Instruments and related products .....	8.30	8.31	8.60	8.62	( <sup>1</sup> )
Miscellaneous manufacturing .....	6.64	6.62	6.78	6.82	( <sup>1</sup> )
<b>Nondurable goods</b> .....	7.77	7.79	8.04	8.09	\$8.11
Food and kindred products .....	7.74	7.78	7.92	7.91	( <sup>1</sup> )
Tobacco manufactures .....	9.74	9.55	10.63	10.22	( <sup>1</sup> )
Textile mill products .....	5.94	5.95	6.22	6.25	( <sup>1</sup> )
Apparel and other textile products .....	5.29	5.29	5.43	5.51	( <sup>1</sup> )
Paper and allied products .....	9.52	9.54	9.93	9.93	( <sup>1</sup> )
Printing and publishing .....	8.87	8.88	9.07	9.12	( <sup>1</sup> )
Chemicals and allied products .....	10.27	10.37	10.69	10.78	( <sup>1</sup> )
Petroleum and coal products .....	12.76	12.74	12.70	12.84	( <sup>1</sup> )
Rubber and misc. plastics products .....	7.67	7.71	7.92	7.93	( <sup>1</sup> )
Leather and leather products .....	5.45	5.44	5.57	5.62	( <sup>1</sup> )

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

<sup>2</sup> Not available.

<sup>p</sup> = 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 workers on private nonagricultural payrolls by major industry, in current and constant (1977) dollars.**

Industry	Average hourly earnings					Average weekly earnings				
	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>	Oct. 1984 <sup>p</sup>	Sept. 1983	Oct. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>	Oct. 1984 <sup>p</sup>
<b>Total private:</b>										
Current dollars .....	\$8.12	\$8.16	\$8.30	\$8.43	\$8.42	\$286.64	\$288.05	\$294.65	\$299.27	\$295.54
Constant (1977) dollars .....	4.90	4.92	4.85	4.90	( <sup>1</sup> )	172.99	173.52	172.31	173.99	( <sup>1</sup> )
<b>Mining:</b>										
Current dollars .....	11.33	11.33	11.57	11.65	\$11.58	488.32	489.46	503.30	511.44	\$504.89
Constant (1977) dollars .....	6.84	6.83	6.76	6.77	( <sup>1</sup> )	294.70	294.86	294.33	297.35	( <sup>1</sup> )
<b>Construction:</b>										
Current dollars .....	12.04	12.06	12.01	12.16	\$12.15	456.32	449.84	462.39	468.16	\$460.49
Constant (1977) dollars .....	7.27	7.27	7.02	7.07	( <sup>1</sup> )	275.39	270.99	270.40	272.19	( <sup>1</sup> )
<b>Manufacturing:</b>										
Current dollars .....	8.89	8.90	9.14	9.22	\$9.23	362.71	362.23	369.26	375.25	\$373.82
Constant (1977) dollars .....	5.37	5.36	5.34	5.36	( <sup>1</sup> )	218.90	218.21	215.94	218.17	( <sup>1</sup> )
<b>Transportation and public utilities:</b>										
Current dollars .....	10.88	10.94	11.17	11.25	\$11.23	428.67	432.13	443.45	448.88	\$440.22
Constant (1977) dollars .....	6.57	6.59	6.53	6.54	( <sup>1</sup> )	258.70	260.32	259.33	260.98	( <sup>1</sup> )
<b>Wholesale trade:</b>										
Current dollars .....	8.62	8.69	8.95	9.03	\$8.98	333.59	336.30	347.26	350.36	\$347.53
Constant (1977) dollars .....	5.20	5.23	5.23	5.25	( <sup>1</sup> )	201.32	202.59	203.08	203.70	( <sup>1</sup> )
<b>Retail trade:</b>										
Current dollars .....	5.78	5.79	5.84	5.90	\$5.90	172.82	173.12	178.70	177.00	\$175.23
Constant (1977) dollars .....	3.49	3.49	3.41	3.43	( <sup>1</sup> )	104.30	104.29	104.50	102.91	( <sup>1</sup> )
<b>Finance, insurance, and real estate:</b>										
Current dollars .....	7.33	7.45	7.57	7.77	\$7.73	264.61	271.18	275.55	284.38	\$280.60
Constant (1977) dollars .....	4.42	4.49	4.43	4.52	( <sup>1</sup> )	159.69	163.36	161.14	165.34	( <sup>1</sup> )
<b>Services:</b>										
Current dollars .....	7.37	7.43	7.53	7.71	\$7.72	241.00	242.96	248.49	252.89	\$250.90
Constant (1977) dollars .....	4.45	4.48	4.40	4.48	( <sup>1</sup> )	145.44	146.36	145.32	147.03	( <sup>1</sup> )

<sup>1</sup> 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.

<sup>2</sup> Not available.

<sup>p</sup> = 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 workers<sup>1</sup> on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted**

Industry	1983			1984									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>	Oct. <sup>P</sup>
<b>Total private</b> .....	35.2	35.2	35.2	35.4	35.3	35.3	35.4	35.3	35.3	35.2	35.2	35.3	35.1
<b>Mining</b> .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Construction</b> .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Manufacturing</b> .....	40.6	40.6	40.6	40.9	40.9	40.7	41.1	40.6	40.6	40.5	40.5	40.6	40.5
<i>Overtime hours</i> .....	3.3	3.3	3.4	3.5	3.5	3.5	3.7	3.3	3.3	3.3	3.3	3.3	3.3
<b>Durable goods</b> .....	41.2	41.3	41.3	41.6	41.7	41.4	41.8	41.3	41.2	41.2	41.2	41.5	41.3
<i>Overtime hours</i> .....	3.4	3.5	3.5	3.7	3.8	3.7	4.0	3.5	3.5	3.5	3.4	3.5	3.5
Lumber and wood products .....	40.5	40.0	40.0	40.6	40.4	40.1	40.4	39.6	39.4	39.3	39.4	40.2	39.6
Furniture and fixtures .....	39.8	39.8	40.1	40.0	39.9	39.6	39.7	39.7	39.1	39.8	39.1	40.0	39.5
Stone, clay, and glass products .....	41.8	41.8	41.9	42.1	42.5	41.9	42.3	42.1	41.8	41.9	41.7	41.9	41.7
Primary metal industries .....	41.6	41.7	41.8	41.9	42.0	41.8	42.2	42.1	41.7	41.5	41.0	41.3	41.5
Blast furnaces and basic steel products ..	40.8	40.8	41.2	41.0	41.3	41.2	41.0	41.6	41.1	39.9	39.6	39.8	40.0
Fabricated metal products .....	41.2	41.4	41.4	41.6	41.8	41.3	41.8	41.4	41.3	41.3	41.1	41.5	41.4
Machinery, except electrical .....	41.2	41.3	41.5	41.8	41.9	41.9	42.3	41.9	42.0	41.8	42.0	42.0	41.9
Electrical and electronic equipment .....	41.1	41.1	41.0	41.2	41.2	41.0	41.3	41.0	40.8	40.8	40.9	41.1	40.9
Transportation equipment .....	42.5	42.6	42.4	43.2	43.1	42.9	43.5	42.4	42.3	42.2	42.4	42.7	42.3
Motor vehicles and equipment .....	44.1	44.1	43.9	44.8	44.3	44.4	44.8	42.9	43.1	42.4	43.3	43.8	43.4
Instruments and related products .....	40.7	40.7	40.8	41.3	41.2	41.1	41.4	40.7	41.3	41.3	41.1	41.5	41.3
Miscellaneous manufacturing .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Nondurable goods</b> .....	39.7	39.8	39.7	39.9	39.9	39.8	40.2	39.6	39.6	39.4	39.5	39.4	39.4
<i>Overtime hours</i> .....	3.1	3.1	3.2	3.3	3.3	3.3	3.4	3.1	3.2	3.1	3.1	3.0	3.0
Food and kindred products .....	39.6	39.6	39.5	39.7	39.7	39.8	40.1	39.7	39.8	39.5	39.7	39.7	39.6
Tobacco manufactures .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Textile mill products .....	40.8	40.6	40.7	40.6	40.8	40.6	41.2	40.0	40.0	39.8	39.4	39.2	38.9
Apparel and other textile products .....	36.6	36.7	36.6	36.6	36.9	36.7	37.4	36.5	36.4	35.8	36.0	36.0	36.1
Paper and allied products .....	43.2	43.1	43.1	43.2	43.2	43.0	43.2	43.1	42.9	43.3	43.1	43.1	42.9
Printing and publishing .....	37.9	37.9	37.7	37.9	37.9	37.9	38.2	38.0	37.7	37.7	37.8	37.9	37.9
Chemicals and allied products .....	41.7	41.9	41.9	42.1	42.1	42.0	42.0	41.8	41.9	41.9	42.0	41.7	41.8
Petroleum and coal products .....	43.6	43.7	44.6	44.8	44.5	44.7	43.7	43.5	43.1	43.2	43.9	43.1	43.4
Rubber and misc. plastics products .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Leather and leather products .....	37.3	37.2	37.1	37.3	37.2	36.7	37.5	36.5	36.7	37.0	36.0	36.6	36.1
<b>Transportation and public utilities</b> .....	39.4	39.2	39.4	39.5	39.3	39.2	39.5	39.4	39.6	39.8	39.4	39.8	39.1
<b>Wholesale trade</b> .....	38.6	38.6	38.6	38.6	38.5	38.5	38.7	38.6	38.6	38.6	38.7	38.8	38.6
<b>Retail trade</b> .....	30.0	30.0	30.3	30.1	30.0	30.1	30.0	30.1	30.2	29.9	29.9	29.9	29.8
<b>Finance, insurance, and real estate</b> .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Services</b> .....	32.8	32.7	32.6	32.8	32.7	32.8	32.8	32.7	32.7	32.7	32.6	32.8	32.6

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>P</sup> = preliminary.

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

**ESTABLISHMENT DATA  
HOURS  
SEASONALLY ADJUSTED**

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

(1977 = 100)

Industry	1983			1984									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>p</sup>	Oct. <sup>p</sup>
<b>Total private</b> .....	108.3	108.7	109.4	110.3	110.9	110.9	112.0	112.0	112.7	112.6	112.7	113.3	113.2
<b>Goods-producing</b> .....	94.6	95.6	96.2	97.9	99.2	98.1	100.1	99.5	99.9	99.9	100.1	100.0	99.8
<b>Mining</b> .....	109.6	109.7	110.4	111.5	112.1	111.7	114.7	115.5	117.1	116.2	118.0	118.9	117.5
<b>Construction</b> .....	104.1	105.5	105.7	110.3	114.1	107.7	112.6	113.7	116.4	115.3	115.6	117.2	115.8
<b>Manufacturing</b> .....	92.1	93.0	93.7	94.9	95.7	95.7	97.0	96.0	96.0	96.1	96.2	95.8	95.9
<b>Durable goods</b> .....	89.9	91.0	92.0	93.4	94.4	94.5	95.8	95.0	95.1	95.5	96.0	95.9	96.0
Lumber and wood products .....	95.3	95.0	95.6	97.4	97.4	97.8	98.6	96.1	95.8	95.1	95.0	96.4	96.0
Furniture and fixtures .....	98.3	99.6	101.2	102.0	102.8	102.8	103.1	102.5	101.5	103.6	101.3	102.8	102.8
Stone, clay, and glass products .....	85.5	86.1	86.5	87.1	89.3	88.2	89.2	89.0	88.6	88.8	88.0	88.2	88.5
Primary metal industries .....	71.2	72.0	73.0	72.8	73.5	73.2	74.1	74.8	73.9	73.0	72.0	70.9	72.2
Blast furnaces and basic steel products .....	62.2	62.9	63.5	62.3	62.6	62.4	62.3	63.7	62.7	60.4	58.1	56.6	57.5
Fabricated metal products .....	86.3	87.5	88.5	89.5	90.4	89.9	91.5	91.3	91.8	92.6	92.4	92.7	93.1
Machinery, except electrical .....	86.3	88.2	89.5	91.1	92.3	93.3	95.2	95.3	96.5	97.0	98.1	97.3	97.9
Electrical and electronic equipment .....	105.6	107.2	108.0	109.6	111.2	112.2	113.6	113.2	112.8	113.7	114.9	115.0	114.3
Transportation equipment .....	89.9	91.1	92.1	95.1	95.9	95.5	96.8	94.1	94.4	94.9	97.8	96.7	96.1
Motor vehicles and equipment .....	84.2	85.6	88.8	93.0	92.3	91.8	91.8	86.3	87.4	86.7	93.1	89.4	88.8
Instruments and related products .....	105.9	106.4	106.4	108.5	108.8	108.8	109.3	107.7	109.6	109.9	108.5	109.6	110.4
Miscellaneous manufacturing .....	82.6	83.3	84.6	85.0	86.5	85.8	86.5	85.3	84.8	85.4	85.5	86.1	85.2
<b>Nondurable goods</b> .....	95.3	95.9	96.2	97.0	97.5	97.4	98.8	97.4	97.2	96.9	96.5	95.7	95.7
Food and kindred products .....	95.5	95.9	95.8	97.0	96.9	97.1	98.7	97.7	97.9	98.0	97.5	96.7	96.6
Tobacco manufactures .....	88.1	90.6	87.1	87.6	86.1	87.6	93.4	92.0	92.0	88.7	88.6	92.3	93.7
Textile mill products .....	83.7	83.5	84.0	84.5	84.8	84.5	85.7	82.7	82.3	81.1	79.9	78.8	77.2
Apparel and other textile products .....	91.5	92.5	92.8	93.2	94.4	94.2	96.7	93.9	92.5	90.7	90.8	89.4	89.4
Paper and allied products .....	97.4	97.6	98.2	98.8	99.4	99.1	99.6	99.3	99.5	100.6	100.1	99.1	99.5
Printing and publishing .....	111.9	112.7	112.4	113.8	114.1	114.6	116.6	116.6	116.3	117.1	117.4	118.0	118.2
Chemicals and allied products .....	94.6	95.2	95.5	96.1	96.3	96.1	96.2	95.6	96.1	96.3	96.7	95.5	96.1
Petroleum and coal products .....	89.4	88.8	89.8	89.4	88.8	88.4	86.5	86.1	84.5	84.7	86.1	84.5	86.6
Rubber and misc. plastics products .....	106.2	108.4	109.4	111.0	112.5	112.2	113.8	113.1	113.5	113.4	112.7	112.5	113.1
Leather and leather products .....	81.4	81.2	81.0	81.4	81.2	79.7	81.4	78.3	77.8	78.9	73.7	73.5	71.6
<b>Service-producing</b> .....	115.9	116.0	116.7	117.2	117.4	117.9	118.6	119.0	119.7	119.7	119.7	120.7	120.6
<b>Transportation and public utilities</b> .....	102.4	101.7	102.4	103.4	103.1	103.1	104.4	104.3	105.2	106.1	105.7	106.7	105.4
<b>Wholesale trade</b> .....	109.7	110.1	110.7	111.6	112.0	112.5	113.3	113.5	113.7	114.4	114.9	116.1	116.1
<b>Retail trade</b> .....	107.8	108.3	109.7	109.3	109.4	109.9	110.3	111.1	111.9	111.0	111.1	111.3	111.7
<b>Finance, insurance, and real estate</b> .....	120.8	120.6	121.0	122.0	122.1	122.2	123.1	123.1	124.0	124.7	124.2	125.3	124.6
<b>Services</b> .....	128.3	128.4	128.6	129.4	129.9	130.9	131.4	131.7	132.4	132.5	132.4	134.1	134.0

<sup>1</sup> 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.

<sup>p</sup> = 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 workers<sup>1</sup> on private nonagricultural payrolls, seasonally adjusted**

Industry	1983			1984									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>	Oct. <sup>P</sup>
Hourly Earnings Index <sup>2</sup> (1977=100)													
<b>Total private</b> (in current dollars) .....	157.1	157.2	157.8	158.4	158.5	159.1	159.9	159.6	160.3	160.8	160.6	161.7	161.6
Mining .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Construction .....	145.5	145.2	145.6	146.3	146.2	146.3	146.6	147.0	147.1	146.6	146.6	146.9	146.5
Manufacturing .....	158.7	159.4	159.7	160.3	160.7	161.2	161.6	162.0	162.3	162.9	163.3	163.4	163.8
Transportation and public utilities .....	158.5	158.7	159.1	159.9	159.8	160.9	161.3	160.9	162.1	162.6	161.9	162.9	162.9
Wholesale trade .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Retail trade .....	151.9	152.3	152.7	152.7	152.9	153.2	153.7	153.4	153.8	154.0	153.6	154.3	154.4
Finance, insurance, and real estate .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Services .....	158.7	158.5	159.4	159.8	159.8	160.8	162.3	161.4	162.5	163.4	162.8	165.1	164.7
<b>Total private</b> (in constant dollars) <sup>4</sup> .....	94.7	94.6	94.9	94.8	94.8	95.1	95.4	94.9	95.2	95.2	94.1	94.3	( <sup>5</sup> )
Average hourly earnings													
<b>Total private</b> .....	\$8.13	\$8.14	\$8.17	\$8.21	\$8.23	\$8.25	\$8.31	\$8.29	\$8.33	\$8.35	\$8.34	\$8.41	\$8.40
Mining .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Construction .....	\$11.94	\$11.93	\$11.96	\$11.97	\$11.95	\$11.97	\$12.03	\$12.07	\$12.07	\$12.04	\$12.05	\$12.06	\$12.03
Manufacturing .....	8.93	8.97	8.99	9.03	9.06	9.09	9.11	9.12	9.15	9.17	9.20	9.21	9.26
Transportation and public utilities .....	10.91	10.93	10.96	11.02	10.99	11.08	11.11	11.09	11.16	11.22	11.16	11.21	11.20
Wholesale trade .....	8.70	8.70	8.74	8.76	8.76	8.82	8.88	8.85	8.94	8.98	8.97	9.03	8.99
Retail trade .....	5.80	5.82	5.83	5.84	5.84	5.87	5.89	5.87	5.89	5.89	5.88	5.91	5.91
Finance, insurance, and real estate .....	7.46	7.39	7.47	7.49	7.47	7.54	7.62	7.53	7.61	7.64	7.57	7.79	7.53
Services .....	7.41	7.41	7.44	7.48	7.50	7.52	7.60	7.56	7.59	7.64	7.62	7.71	7.70
Average weekly earnings													
<b>Total private:</b>													
In current dollars .....	286.18	286.53	287.58	290.63	290.52	291.23	294.17	292.64	294.05	293.92	293.57	296.87	294.84
In constant (1977) dollars <sup>4</sup> .....	172.61	172.40	172.93	173.93	173.65	174.08	175.52	173.98	174.61	173.92	171.98	173.10	( <sup>5</sup> )

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

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

<sup>5</sup> Not available.

<sup>P</sup> = 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		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>Alabama</b> .....	41.6	41.2	41.0	\$7.59	\$8.03	\$8.04	\$315.74	\$330.84	\$329.64
Birmingham .....	41.6	41.9	42.1	8.01	8.31	8.27	333.22	348.19	348.17
Mobile .....	42.8	42.3	42.3	9.64	9.85	9.79	412.59	416.66	414.12
<b>Alaska</b> .....	32.9	48.1	( <sup>1</sup> )	13.49	10.54	( <sup>1</sup> )	443.82	506.97	( <sup>1</sup> )
<b>Arizona</b> .....	40.8	40.6	40.7	9.04	9.09	9.01	368.83	369.05	366.71
<b>Arkansas</b> .....	40.9	40.5	40.7	7.06	7.40	7.44	288.75	299.70	302.81
Fayetteville-Springdale .....	40.4	41.5	41.3	6.48	6.71	6.69	261.79	278.47	276.30
Fort Smith .....	41.3	40.6	41.9	7.30	7.69	7.72	301.49	312.21	323.47
Little Rock-North Little Rock .....	41.7	40.6	40.9	7.98	8.41	8.45	332.77	341.45	345.61
Pine Bluff .....	41.6	40.7	41.9	9.20	9.48	9.55	382.72	385.84	400.15
<b>California</b> .....	40.3	40.2	40.2	9.60	9.81	9.87	386.88	394.36	396.77
<b>Colorado</b> .....	40.5	40.7	40.8	9.06	9.32	9.29	366.93	379.32	379.03
Denver-Boulder .....	40.7	40.5	40.7	9.38	9.71	9.66	381.77	393.26	393.16
<b>Connecticut</b> .....	41.8	41.8	41.8	8.88	9.18	9.18	371.18	383.72	383.72
Bridgeport .....	42.4	39.9	41.0	9.35	9.63	9.71	396.44	384.24	398.11
Hartford .....	41.6	41.8	42.7	9.55	9.77	9.91	397.28	408.39	423.16
New Britain .....	41.7	42.0	43.1	9.23	9.54	9.75	384.89	400.68	420.22
New Haven-West Haven .....	40.7	40.7	41.4	8.66	9.02	9.08	352.46	367.11	375.91
Stamford .....	39.7	43.0	44.2	8.68	8.86	8.95	344.60	380.98	395.59
Waterbury .....	44.2	42.8	( <sup>1</sup> )	7.61	7.83	( <sup>1</sup> )	336.36	335.12	( <sup>1</sup> )
<b>Delaware</b> .....	42.6	40.2	41.6	9.14	9.04	9.00	389.36	363.41	374.40
Wilmington .....	42.8	39.6	41.9	10.53	10.72	10.44	450.68	424.51	437.44
<b>District of Columbia:</b>									
Washington SMSA .....	39.4	38.4	40.6	9.73	10.05	10.43	383.36	385.92	423.46
<b>Florida</b> .....	40.6	40.8	41.2	7.42	7.71	7.74	301.25	314.57	318.89
Fort Lauderdale-Hollywood .....	42.0	42.2	42.1	6.99	7.44	7.44	293.58	313.97	313.22
Jacksonville .....	40.4	40.8	42.0	8.05	8.40	8.51	325.22	342.72	357.42
Lakeland-Winter Haven .....	40.3	40.1	41.4	7.46	7.88	7.82	300.64	315.99	323.75
Miami .....	38.5	39.5	39.4	6.21	6.26	6.31	239.09	247.27	248.61
Orlando .....	42.8	42.9	41.9	7.66	7.99	7.93	327.85	342.77	332.27
Pensacola .....	41.9	42.3	41.9	8.98	9.07	9.04	376.26	383.66	378.78
Tampa-St. Petersburg .....	41.5	41.5	41.2	7.37	7.66	7.69	305.86	317.89	316.83
West Palm Beach-Boca Raton .....	40.1	39.1	39.6	7.71	7.61	7.56	309.17	297.55	299.38
<b>Georgia</b> .....	41.7	41.4	40.8	7.14	7.56	7.65	297.74	312.98	312.12
Atlanta .....	40.5	40.5	40.2	8.60	8.93	9.07	348.30	361.67	364.61
Savannah .....	45.4	44.9	45.1	9.36	9.97	10.03	424.94	447.65	452.35
<b>Hawaii</b> .....	39.2	38.5	37.1	8.23	7.83	8.22	322.62	301.46	304.96
Honolulu .....	39.6	38.0	37.9	8.28	7.87	8.27	327.89	299.06	313.43
<b>Idaho</b> .....	39.1	38.0	37.9	9.29	9.70	9.62	363.24	368.60	364.60
<b>Illinois</b> .....	41.4	40.8	41.4	9.84	10.08	10.16	407.38	411.26	420.62
Bloomington-Normal .....	40.7	40.3	40.0	9.29	9.92	9.99	378.10	399.78	399.60
Champaign-Urbana-Rantoul .....	37.8	37.9	39.3	9.41	9.28	9.40	355.70	351.71	369.42
Chicago SMSA .....	41.2	41.1	41.6	9.66	9.92	9.96	397.99	407.71	414.34
Davenport-Rock Island-Moline .....	39.5	38.9	39.2	12.13	12.29	12.35	479.14	478.08	484.12
Decatur .....	40.8	40.0	40.3	12.58	12.84	12.97	513.26	513.60	522.69
Kankakee .....	39.0	39.5	38.6	8.71	9.81	10.04	339.69	387.50	387.54
Peoria .....	39.5	42.1	42.1	11.96	12.60	12.55	472.42	530.46	526.36
Rockford .....	43.5	41.4	42.7	9.98	10.23	10.51	434.13	423.52	448.78
Springfield .....	42.9	41.5	42.8	11.05	11.39	11.61	474.05	472.69	496.91
<b>Indiana</b> .....	42.0	41.2	41.8	10.13	10.42	10.44	425.46	429.30	436.39
Gary-Hammond-East Chicago .....	42.0	40.3	( <sup>1</sup> )	12.90	13.22	( <sup>1</sup> )	541.80	532.77	( <sup>1</sup> )
Indianapolis .....	41.4	42.0	( <sup>1</sup> )	10.06	10.73	( <sup>1</sup> )	416.48	450.66	( <sup>1</sup> )

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		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>Iowa</b> .....	40.3	39.8	40.8	\$10.18	\$10.27	\$10.21	\$410.25	\$408.75	\$416.57
Cedar Rapids .....	42.0	40.3	42.0	10.58	11.00	10.99	444.36	443.30	461.58
Des Moines .....	39.5	41.2	41.6	11.88	12.75	12.42	469.26	525.30	516.67
Dubuque .....	41.5	42.2	42.1	10.72	10.61	10.85	444.88	447.74	456.79
Sioux City .....	38.4	37.8	40.2	8.41	8.41	8.54	322.94	317.90	343.31
Waterloo-Cedar Falls .....	38.5	38.4	38.0	13.01	12.90	12.33	500.89	495.36	468.54
<b>Kansas</b> .....	39.7	40.8	39.8	9.33	9.40	9.38	370.40	383.52	373.32
Topeka .....	41.4	41.4	39.7	9.67	9.81	10.09	400.34	406.13	400.57
Wichita .....	40.1	42.2	43.3	10.11	9.70	9.56	405.41	409.34	413.95
<b>Kentucky</b> .....	39.8	38.6	39.0	8.82	9.20	9.38	351.04	355.12	365.82
Lexington-Fayette .....	40.5	38.2	39.2	9.45	9.78	9.88	382.73	373.60	387.30
Louisville .....	40.9	39.7	40.2	10.19	10.29	10.55	416.77	408.51	424.11
<b>Louisiana</b> .....	40.3	41.1	41.5	9.90	10.11	10.08	398.97	415.52	418.32
Baton Rouge .....	42.1	42.0	42.8	11.48	11.68	11.51	483.31	490.56	492.63
New Orleans .....	39.3	40.8	40.8	9.16	9.35	9.19	359.99	381.48	374.95
Shreveport .....	39.2	41.2	40.0	9.78	9.76	9.71	383.38	402.11	388.40
<b>Maine</b> .....	40.5	39.9	40.2	7.67	8.07	8.20	310.64	321.99	329.64
Lewiston-Auburn .....	39.4	37.6	37.2	6.21	6.55	6.69	244.67	246.28	248.87
Portland .....	38.8	38.3	38.3	7.69	7.92	8.06	298.37	303.34	308.70
<b>Maryland</b> .....	41.6	40.8	41.2	8.94	9.38	9.45	371.90	382.70	389.34
Baltimore .....	41.4	41.1	41.6	9.49	9.87	9.90	392.89	405.66	411.84
<b>Massachusetts</b> .....	40.7	39.8	40.3	8.12	8.47	8.58	330.48	337.11	345.77
Boston .....	40.0	39.6	40.4	8.76	9.28	9.34	350.40	367.49	377.34
Brockton .....	39.2	39.5	39.1	6.54	6.51	6.63	256.37	257.15	259.23
Fall River .....	37.6	38.3	37.3	6.65	6.74	6.75	250.04	258.14	251.78
Lawrence-Haverhill .....	40.3	40.8	40.9	8.26	8.48	8.65	332.88	345.98	353.79
Lowell .....	40.4	39.2	39.7	7.53	8.04	8.05	304.21	315.17	319.59
New Bedford .....	39.1	40.1	39.4	7.36	7.50	7.61	287.78	300.75	299.83
Springfield-Chicopee-Holyoke .....	41.5	41.3	41.9	8.18	8.59	8.55	339.47	354.77	358.25
Worcester .....	40.3	39.3	39.6	8.41	8.75	8.83	338.92	343.88	349.67
<b>Michigan</b> .....	43.5	42.4	43.1	11.75	12.22	12.28	511.00	517.81	529.84
Ann Arbor .....	44.2	44.9	44.5	12.18	13.07	13.10	538.37	586.58	582.43
Battle Creek .....	41.8	41.5	41.0	12.24	12.57	12.62	511.49	521.42	517.68
Bay City .....	42.4	42.6	41.9	10.39	10.53	10.61	440.19	448.97	445.22
Detroit .....	43.8	43.2	44.0	12.42	12.90	12.94	543.70	557.17	568.92
Flint .....	46.2	42.4	43.6	13.42	14.19	14.18	620.14	601.99	618.74
Grand Rapids .....	41.8	40.8	41.6	10.14	10.35	10.46	423.65	422.80	435.40
Jackson .....	41.7	42.1	44.0	9.71	10.05	9.93	404.40	422.93	436.78
Kalamazoo-Portage .....	42.3	41.1	41.0	10.98	11.48	11.49	464.89	472.10	471.14
Lansing-East Lansing .....	46.7	42.8	44.8	13.61	13.70	13.73	635.30	586.82	614.81
Muskegon-Norton Shores-Muskegon Heights .....	39.5	41.0	40.9	10.42	10.71	10.80	411.21	439.46	441.76
Saginaw .....	43.2	42.2	43.9	13.86	14.28	14.36	599.23	602.05	631.20
<b>Minnesota</b> .....	40.1	40.0	40.2	9.52	9.49	9.57	381.75	379.60	384.71
Duluth-Superior .....	37.3	38.6	39.0	10.27	10.49	10.62	383.07	404.91	414.18
Minneapolis-St. Paul .....	40.6	40.1	40.7	10.19	10.22	10.30	413.71	409.82	419.21
St. Cloud .....	36.3	40.2	40.7	8.58	9.02	8.99	311.45	362.60	365.89
<b>Mississippi</b> .....	40.8	40.6	40.8	6.77	6.93	7.02	276.22	281.36	286.42
Jackson .....	41.3	41.5	41.7	7.63	8.08	8.35	315.12	335.32	348.20
<b>Missouri</b> .....	40.8	39.6	40.3	9.03	9.35	9.44	368.42	370.26	380.43
Kansas City .....	41.2	40.1	41.2	10.05	10.59	10.60	414.06	424.66	436.72
St. Joseph .....	39.2	40.8	39.4	8.34	8.67	8.59	326.93	353.74	338.45
St. Louis .....	40.5	39.4	40.3	10.25	10.96	10.91	415.13	431.82	439.67
Springfield .....	40.4	39.0	41.8	8.22	8.27	8.22	332.09	322.53	343.60
<b>Montana</b> .....	39.7	39.0	40.2	10.50	10.70	10.67	416.85	417.30	428.93
<b>Nebraska</b> .....	40.7	40.2	41.4	8.71	8.92	9.08	354.50	358.58	375.91
Lincoln .....	41.8	41.0	41.6	9.17	9.44	9.56	383.31	387.04	397.70
Omaha .....	40.6	40.1	41.2	9.04	9.35	9.51	367.02	374.94	391.81

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		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>p</sup>
<b>Nevada</b> .....	40.0	38.9	39.6	\$9.13	\$9.13	\$9.24	\$365.20	\$355.16	\$365.90
Las Vegas .....	40.7	38.6	39.7	11.11	11.43	11.53	452.18	441.20	457.74
<b>New Hampshire</b> .....	40.7	40.7	41.1	7.47	7.83	7.86	304.03	318.68	323.05
Manchester .....	39.8	39.8	40.8	7.18	7.52	7.68	285.76	299.30	313.34
Nashua .....	41.1	41.1	40.9	8.85	9.27	9.27	363.74	381.00	379.14
<b>New Jersey</b> .....	41.2	41.1	41.4	9.15	9.33	9.38	376.98	383.46	388.33
Atlantic City .....	38.6	39.0	39.2	7.98	8.18	8.24	308.03	319.02	323.01
Camden .....	39.4	40.0	40.1	9.15	9.49	9.50	360.51	379.60	380.95
Hackensack .....	40.7	40.8	41.2	8.13	8.54	8.59	330.89	348.43	353.91
Jersey City .....	40.5	39.9	40.2	8.67	8.71	8.78	351.14	347.53	352.96
New Brunswick-Perth Amboy-Sayreville .....	42.0	41.6	41.7	9.81	10.10	10.17	412.02	420.16	424.09
Newark .....	41.4	41.0	41.2	9.29	9.62	9.65	384.61	394.42	397.58
Paterson-Clifton-Passaic .....	41.5	42.3	42.3	8.95	9.40	9.60	371.43	397.62	406.08
Trenton .....	41.6	42.4	42.4	9.15	9.93	10.02	380.64	421.03	424.85
<b>New Mexico</b> .....	38.8	40.2	39.9	7.87	8.04	8.03	305.36	323.21	320.40
Albuquerque .....	37.9	40.5	39.5	7.62	7.87	7.81	288.80	318.74	308.50
<b>New York</b> .....	39.7	39.6	39.9	8.90	9.17	9.24	353.33	363.13	368.68
Albany-Schenectady-Troy .....	40.9	40.2	41.0	9.24	9.62	9.64	377.92	386.72	395.24
Binghamton .....	40.3	40.7	41.0	7.98	7.96	8.18	321.59	323.97	335.38
Buffalo .....	41.2	41.1	41.4	11.32	11.53	11.56	466.38	473.88	478.58
Elmira .....	40.6	39.3	39.8	9.12	8.88	8.92	370.27	348.98	355.02
Glens Falls .....	40.0	38.7	39.3	8.87	9.34	9.33	354.80	361.46	366.67
Monroe County .....	42.5	42.7	43.2	11.65	11.87	11.96	495.13	506.85	516.67
Nassau-Suffolk .....	40.1	40.1	40.5	8.81	9.07	9.14	353.28	363.71	370.17
Newburgh-Middletown .....	39.5	39.0	39.6	6.53	7.13	7.15	257.94	278.07	283.14
New York-Northeastern New Jersey .....	39.6	39.3	( <sup>1</sup> )	8.71	8.89	( <sup>1</sup> )	344.67	349.38	( <sup>1</sup> )
New York and Nassau-Suffolk .....	37.8	37.9	38.1	8.24	8.48	8.60	311.47	321.39	327.66
New York SMSA .....	37.0	37.2	37.3	8.05	8.27	8.40	297.85	307.64	313.32
New York City .....	36.7	36.8	36.9	7.94	8.15	8.31	291.40	299.92	306.64
Poughkeepsie .....	42.9	43.0	43.9	8.68	8.54	8.55	372.37	367.22	375.35
Rochester .....	42.4	42.0	42.6	10.77	11.01	11.02	456.65	462.42	469.45
Rockland County .....	40.3	40.6	40.5	9.03	9.67	9.49	363.91	392.60	384.35
Syracuse .....	41.2	41.1	40.2	9.76	10.39	10.49	402.11	427.03	421.70
Utica-Rome .....	40.3	39.8	40.4	8.41	8.27	8.36	338.92	329.15	337.74
Westchester County .....	38.7	39.7	40.3	8.71	8.83	8.80	337.08	350.55	354.64
<b>North Carolina</b> .....	41.0	39.8	39.4	6.70	7.02	7.07	274.70	279.40	278.56
Asheville .....	40.6	40.7	41.2	6.65	7.03	7.03	269.99	286.12	289.64
Charlotte-Gastonia .....	42.3	40.5	40.6	6.63	7.08	7.09	280.45	286.74	287.85
Greensboro-Winston-Salem-High Point .....	39.4	39.3	39.2	7.38	7.70	7.77	290.77	302.61	304.58
Raleigh-Durham .....	41.5	41.3	41.3	7.93	8.13	8.13	329.10	335.77	335.77
<b>North Dakota</b> .....	38.0	38.7	39.4	7.73	7.89	7.90	293.74	305.34	311.26
Fargo-Moorhead .....	38.8	38.6	38.7	8.06	8.36	8.31	312.73	322.70	321.60
<b>Ohio</b> .....	42.1	41.7	42.3	10.64	10.92	10.99	447.94	455.36	464.88
Akron .....	43.5	43.3	43.2	10.61	10.82	10.82	461.54	468.51	467.42
Canton .....	40.8	40.1	40.5	10.84	10.80	10.76	442.27	433.08	435.78
Cincinnati .....	41.3	41.7	42.4	10.10	10.57	10.53	417.13	440.77	446.47
Cleveland .....	41.7	41.5	41.9	10.57	10.81	10.91	440.77	448.62	457.13
Columbus .....	40.8	40.9	40.8	10.06	10.29	10.39	410.45	420.86	423.91
Dayton .....	43.0	42.5	43.0	10.80	11.18	11.22	464.40	475.15	482.46
Toledo .....	43.9	43.3	43.9	11.40	11.66	11.75	500.46	504.88	515.83
Youngstown-Warren .....	42.4	42.3	43.7	12.40	12.67	12.88	525.76	535.94	562.86
<b>Oklahoma</b> .....	41.0	41.0	40.9	9.26	9.68	9.83	379.66	396.88	402.05
Oklahoma City .....	40.9	40.7	40.6	9.76	10.04	10.23	399.18	408.63	415.34
Tulsa .....	41.4	40.6	40.7	10.11	10.33	10.53	418.55	419.40	428.57
<b>Oregon</b> .....	39.1	38.9	40.4	10.12	10.41	10.34	395.69	404.95	417.74
Eugene-Springfield .....	38.5	38.5	39.8	10.37	10.59	10.61	399.25	407.72	422.28
Medford .....	38.9	40.9	41.3	9.71	9.82	9.90	377.72	401.64	408.87
Portland .....	40.3	39.3	40.5	10.43	10.78	10.67	420.33	423.65	432.14
Salem .....	36.0	38.3	38.8	7.99	7.84	8.15	287.64	300.27	316.22

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		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>Pennsylvania</b> .....	39.9	39.9	40.0	\$9.00	\$9.31	\$9.40	\$359.10	\$371.47	\$376.00
Allentown-Bethlehem-Easton .....	38.8	39.2	39.6	9.35	9.94	10.07	362.78	389.65	398.77
Altoona .....	39.4	39.5	38.9	7.73	8.02	8.21	304.56	316.79	319.37
Delaware Valley .....	39.6	40.1	40.3	9.39	9.69	9.78	371.84	388.57	394.13
Erie .....	42.1	41.4	42.4	9.69	9.83	10.08	407.95	406.96	427.39
Harrisburg .....	40.8	39.5	39.6	8.67	9.05	8.98	353.74	357.48	355.61
Johnstown .....	37.5	35.9	37.4	8.30	8.06	8.18	311.25	289.35	305.93
Lancaster .....	40.1	39.6	40.1	8.32	8.76	8.79	333.63	346.90	352.48
Northeast Pennsylvania .....	37.9	37.1	37.0	7.46	7.76	7.78	282.73	287.90	287.86
Philadelphia SMSA .....	39.7	40.1	40.3	9.44	9.65	9.73	374.77	386.97	392.12
Pittsburgh .....	40.4	40.3	40.8	10.85	10.99	11.05	438.34	442.90	450.84
Reading .....	40.8	39.5	40.6	8.90	9.39	9.49	363.12	370.91	385.29
Williamsport .....	39.9	38.8	40.2	7.87	7.93	8.10	314.01	307.68	325.62
York .....	41.5	41.4	41.5	8.22	8.64	8.74	341.13	357.70	362.71
<b>Rhode Island</b> .....	39.7	38.5	40.3	6.96	7.13	7.15	276.31	274.51	288.15
Providence-Warwick-Pawtucket .....	39.8	38.3	39.9	6.89	7.01	7.04	274.22	268.48	280.90
<b>South Carolina</b> .....	41.2	40.4	40.8	7.08	7.31	7.31	291.70	295.32	298.25
Charleston-North Charleston .....	43.2	42.7	43.0	8.60	8.65	8.95	371.52	369.36	384.85
Columbia .....	40.7	40.7	40.5	6.94	7.14	7.26	282.46	290.60	294.03
Greenville-Spartanburg .....	41.1	40.1	40.2	6.73	7.16	7.12	276.60	287.12	286.22
<b>South Dakota</b> .....	41.8	42.7	42.8	7.32	7.04	7.14	305.98	300.61	305.59
Sioux Falls .....	46.5	49.5	46.6	7.72	6.91	6.91	358.98	342.05	322.01
<b>Tennessee</b> .....	41.1	40.9	40.9	7.60	7.80	7.88	312.36	319.02	322.29
Chattanooga .....	41.7	41.6	41.2	7.24	7.45	7.46	301.91	309.92	307.35
Knoxville .....	41.0	40.3	40.4	9.00	9.21	9.23	369.00	371.16	372.89
Memphis .....	41.8	40.4	40.0	8.00	8.16	8.27	334.40	329.66	330.80
Nashville-Davidson .....	41.6	41.6	42.0	8.46	9.18	9.05	351.94	381.89	380.52
<b>Texas</b> .....	41.8	41.8	41.9	8.98	9.12	9.17	375.36	381.22	384.22
Dallas-Fort Worth .....	41.6	41.9	41.8	8.86	8.84	9.00	368.58	370.40	376.20
Houston .....	42.6	43.4	44.3	10.81	11.01	10.92	460.51	477.83	483.76
San Antonio .....	41.8	41.3	41.4	6.61	6.74	6.76	276.30	278.36	279.86
<b>Utah</b> .....	39.2	39.4	39.9	8.77	8.84	9.10	343.78	348.30	363.09
Salt Lake City-Ogden .....	40.3	39.6	40.1	8.54	8.89	8.99	344.16	352.04	360.50
<b>Vermont</b> .....	41.1	40.8	41.2	7.77	8.15	8.17	319.35	332.52	336.60
Burlington .....	43.1	42.6	42.9	8.77	8.81	8.95	377.99	375.31	383.96
Springfield .....	40.1	43.1	41.6	8.02	8.22	8.33	321.60	354.28	346.53
<b>Virginia</b> .....	40.8	40.3	40.3	7.82	8.16	8.14	319.06	328.85	328.04
Bristol .....	39.4	38.5	40.0	6.53	6.84	7.01	257.28	263.34	280.40
Charlottesville .....	39.2	38.1	38.6	6.71	6.94	6.98	263.03	264.41	269.43
Danville .....	42.0	40.6	39.1	7.26	7.70	7.33	304.92	312.62	286.60
Lynchburg .....	40.4	40.9	39.3	7.34	7.69	7.74	296.54	314.52	304.18
Norfolk-Virginia Beach-Portsmouth .....	42.0	42.0	42.7	8.19	8.51	8.62	343.98	357.42	368.07
Northern Virginia .....	40.8	39.4	40.4	8.63	8.73	8.93	352.10	343.95	360.77
Petersburg-Colonial Heights-Hopewell .....	41.3	41.9	42.4	10.47	10.41	10.34	432.41	436.18	438.42
Richmond .....	40.1	41.4	41.2	10.30	10.33	10.44	413.03	427.65	430.13
Roanoke .....	41.1	40.7	41.7	6.94	7.40	7.41	285.23	301.18	309.00
<b>Washington</b> .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>West Virginia</b> .....	39.6	40.6	40.3	9.94	9.95	9.93	393.62	403.97	400.18
Charleston .....	43.0	43.1	43.2	11.31	12.19	12.26	486.33	525.39	529.63
Huntington-Ashland .....	38.8	38.7	39.0	10.98	11.26	11.22	426.02	435.76	437.58
Parkersburg-Marietta .....	41.5	42.0	41.7	10.84	10.95	11.02	449.86	459.90	459.53
Wheeling .....	39.3	40.5	40.2	11.66	11.65	11.42	458.24	471.83	459.08

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		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>Wisconsin</b> .....	41.6	41.0	41.2	\$9.67	\$9.83	\$9.91	\$402.27	\$403.03	\$408.29
Appleton-Oshkosh .....	43.0	42.2	42.7	9.45	9.61	9.74	406.35	405.54	415.90
Eau Claire .....	40.9	42.0	41.0	9.39	10.40	9.97	384.05	436.80	408.77
Green Bay .....	42.3	40.5	40.9	10.09	10.44	10.43	426.81	422.82	426.59
Janesville-Beloit .....	42.2	38.9	40.8	11.88	11.31	11.68	501.34	439.96	476.54
Kenosha .....	42.6	40.6	40.4	12.08	11.77	11.88	514.61	477.86	479.95
La Crosse .....	39.1	38.3	38.9	8.70	8.83	8.79	340.17	338.19	341.93
Madison .....	41.2	43.4	43.7	9.21	9.63	8.95	379.45	417.94	391.11
Milwaukee .....	41.0	40.9	41.4	10.79	11.20	11.28	442.39	458.08	466.99
Racine .....	41.1	39.6	39.5	10.22	10.73	10.80	420.04	424.91	426.60
Sheboygan .....	40.4	39.5	38.8	9.31	9.41	9.50	376.12	371.69	368.60
Wausau .....	42.4	42.2	41.6	9.28	9.38	9.44	393.47	395.84	392.70
<b>Wyoming</b> .....	37.5	40.7	43.2	9.03	9.04	8.99	338.63	367.93	388.37
<b>Puerto Rico</b> .....	39.4	39.0	39.1	4.90	4.98	5.06	193.06	194.22	197.85
<b>Virgin Islands</b> .....	41.7	43.2	42.4	10.36	9.09	8.92	432.01	392.69	378.21

<sup>1</sup> Not available.

<sup>P</sup> = 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) <sup>1</sup>			Percent change		
	Aug. 1984 <sup>r</sup>	Sept. 1984 <sup>r</sup>	Oct. 1984 <sup>p</sup>	Oct. 1983 to Oct. 1984 <sup>p</sup>	Aug. 1984 to Sept. 1984 <sup>r</sup>	Sept. 1984 to Oct. 1984 <sup>p</sup>
Total .....	177,487	178,672	178,356	4.2	0.7	-0.2
Private sector .....	145,607	146,454	146,196	4.5	.6	-.2
Mining .....	2,271	2,298	2,275	6.5	1.2	-1.0
Construction .....	8,577	8,645	8,544	10.3	.8	-1.2
Manufacturing .....	41,263	41,064	41,098	3.9	-.5	.1
Durable goods .....	24,913	24,814	24,868	6.1	-.4	.2
Nondurable goods .....	16,350	16,250	16,230	.7	-.6	-.1
Transportation and public utilities .....	10,678	10,807	10,709	3.1	1.2	-.9
Wholesale trade .....	11,156	11,263	11,258	5.5	1.0	.0
Retail trade .....	25,294	25,375	25,504	4.0	.3	.5
Finance, insurance, and real estate .....	10,771	10,912	10,805	3.5	1.3	-1.0
Services .....	35,597	36,090	36,003	4.6	1.4	-.2
Government .....	31,880	32,218	32,160	3.0	1.1	-.2

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

<sup>p</sup> = preliminary.

<sup>r</sup> = revised.

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

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

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

**PRODUCTIVITY DATA  
SEASONALLY ADJUSTED**

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

(1977=100)

Item	Annual average		Quarterly index										
	1982	1983	1982				1983				1984		
			I	II	III	IV	I	II	III	IV	I	II <sup>1</sup>	III <sup>1</sup>
<b>Business sector</b>													
Output per hour of all persons .....	100.9	103.7	100.9	100.3	100.9	101.6	102.2	103.6	104.3	104.7	105.7	107.0	107.5
Output .....	106.3	111.0	107.1	106.4	106.1	105.8	106.9	110.1	112.5	114.7	117.8	121.0	121.8
Hours .....	105.4	107.1	106.1	106.1	105.1	104.1	104.7	106.2	107.9	109.5	111.4	113.0	113.3
Compensation per hour .....	155.0	161.7	151.4	153.9	156.7	158.4	160.2	161.0	161.8	164.2	166.7	167.5	169.3
Real compensation per hour .....	97.3	98.4	96.9	97.2	97.3	98.0	99.0	98.5	98.0	98.4	98.6	98.2	98.4
Unit labor costs .....	153.6	156.0	150.0	153.4	155.3	155.9	156.8	155.4	155.1	156.8	157.7	156.5	157.6
Unit nonlabor payments .....	136.8	145.5	138.0	137.0	135.8	136.5	139.8	144.6	147.9	149.1	151.6	157.2	158.7
Implicit price deflator .....	147.9	152.4	145.9	147.9	148.7	149.3	151.0	151.7	152.7	154.2	155.6	156.7	157.9
<b>Nonfarm business sector</b>													
Output per hour of all persons .....	100.0	103.4	99.8	99.4	100.3	100.5	101.6	103.6	104.1	104.4	105.2	106.6	106.6
Output .....	105.9	111.2	106.4	106.0	106.0	105.2	106.7	110.4	112.7	115.2	118.0	121.0	121.5
Hours .....	106.0	107.5	106.7	106.7	105.7	104.7	105.1	106.5	108.2	110.3	112.3	113.6	114.0
Compensation per hour .....	154.5	162.0	151.0	153.2	156.0	157.9	160.1	161.5	162.4	164.0	166.5	168.0	169.5
Real compensation per hour .....	97.0	98.6	96.7	96.8	96.9	97.7	99.0	98.8	98.3	98.2	98.5	98.5	98.5
Unit labor costs .....	154.5	156.6	151.4	154.2	155.6	157.1	157.6	155.9	155.9	157.1	158.3	157.6	159.1
Unit nonlabor payments .....	136.9	147.0	136.9	137.5	136.8	136.4	140.6	146.4	149.4	151.4	152.2	156.8	158.1
Implicit price deflator .....	148.6	153.4	146.5	148.6	149.3	150.2	151.9	152.7	153.8	155.2	156.3	157.3	158.7
<b>Manufacturing</b>													
Output per hour of all persons .....	107.1	111.6	105.5	106.3	108.8	107.8	109.1	110.8	113.4	113.1	114.2	115.3	117.6
Output .....	99.3	104.4	100.6	100.0	99.7	96.7	98.4	102.4	107.2	109.6	113.0	115.4	117.5
Hours .....	92.7	93.5	95.4	94.1	91.7	89.6	90.2	92.4	94.6	96.9	98.9	100.1	99.9
Compensation per hour .....	158.0	163.4	154.3	157.2	159.8	161.0	162.7	163.0	163.5	164.6	167.1	168.3	169.9
Real compensation per hour .....	99.2	99.4	98.8	99.4	99.2	99.6	100.6	99.7	99.0	98.6	98.9	98.7	98.7
Unit labor costs .....	147.6	146.4	146.2	148.0	146.9	149.3	149.1	147.0	144.1	145.5	146.4	146.0	144.5
<b>Durable goods</b>													
Output per hour of all persons .....	105.6	111.5	103.6	104.7	107.6	106.6	108.5	110.8	113.5	113.1	115.1	116.0	118.1
Output .....	97.1	102.6	99.3	98.3	97.4	93.2	95.6	100.1	105.7	109.0	113.9	116.5	119.1
Hours .....	91.9	92.0	95.9	93.9	90.5	87.4	88.1	90.4	93.2	96.4	98.9	100.4	100.8
Compensation per hour .....	157.6	162.5	153.7	156.8	159.7	160.7	162.2	162.2	162.5	163.4	165.8	167.0	168.1
Real compensation per hour .....	99.0	98.9	98.5	99.1	99.2	99.4	100.3	99.2	98.4	97.8	98.1	97.9	97.7
Unit labor costs .....	149.3	145.8	148.4	149.7	148.4	150.7	149.5	146.5	143.2	144.4	144.0	144.0	142.3
<b>Nondurable goods</b>													
Output per hour of all persons .....	109.2	111.9	108.5	108.5	110.4	109.6	110.0	110.9	113.3	113.2	112.8	114.3	116.7
Output .....	102.5	107.1	102.6	102.5	103.1	101.9	102.6	105.7	109.5	110.5	111.7	113.8	115.0
Hours .....	93.9	95.7	94.6	94.4	93.4	93.0	93.3	95.3	96.6	97.6	99.0	99.5	98.6
Compensation per hour .....	159.0	165.6	154.9	158.0	160.5	162.7	164.5	165.1	165.7	167.1	169.5	170.6	172.6
Real compensation per hour .....	99.8	100.7	99.2	99.9	99.7	100.7	101.7	101.0	100.3	100.1	100.3	100.0	100.3
Unit labor costs .....	145.6	148.0	142.8	145.6	145.4	148.5	149.6	148.8	146.2	147.6	150.2	149.2	147.9
<b>Nonfinancial corporations</b>													
Output per all-employee hour .....	102.6	106.1	102.2	102.1	103.3	103.2	104.0	105.8	107.2	107.2	108.1	108.9	( <sup>1</sup> )
Output .....	107.7	112.6	108.7	108.0	107.9	106.4	107.5	111.4	114.7	117.0	120.2	123.1	( <sup>1</sup> )
Hours .....	105.0	106.2	106.4	105.8	104.5	103.1	103.4	105.2	106.9	109.2	111.2	113.1	( <sup>1</sup> )
Compensation per hour .....	154.6	161.0	151.1	153.5	156.2	157.7	159.2	160.6	161.8	162.6	164.8	165.8	( <sup>1</sup> )
Real compensation per hour .....	97.0	97.9	96.7	97.0	97.0	97.5	98.4	98.2	98.0	97.4	97.5	97.2	( <sup>1</sup> )
Total unit costs .....	154.3	155.2	151.5	154.0	154.7	157.0	156.7	155.2	154.4	154.7	155.0	155.0	( <sup>1</sup> )
Unit labor costs .....	150.6	151.8	147.9	150.3	151.3	152.9	153.1	151.7	150.9	151.7	152.5	152.3	( <sup>1</sup> )
Unit nonlabor costs .....	164.8	164.9	161.6	164.3	164.4	168.8	167.0	165.1	164.4	163.3	162.0	162.8	( <sup>1</sup> )
Unit profits .....	84.6	117.2	89.4	86.8	86.6	75.6	92.5	111.8	126.6	135.9	143.2	151.1	( <sup>1</sup> )
Implicit price deflator .....	146.3	150.9	144.3	146.3	146.9	147.7	149.4	150.2	151.2	152.6	153.6	154.6	( <sup>1</sup> )

<sup>1</sup> Not available.  
<sup>p</sup> =preliminary.

<sup>r</sup> =revised.  
SOURCE: Office of Productivity and Technology (202 523 9261).

**PRODUCTIVITY DATA  
SEASONALLY ADJUSTED**

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

Item	Percent change from											
	Previous quarter						Same quarter, previous year					
	II 1983	III 1983	IV 1983	I 1984	II 1984 <sup>1</sup>	III 1984 <sup>P</sup>	II 1983	III 1983	IV 1983	I 1984	II 1984 <sup>1</sup>	III 1984 <sup>P</sup>
<b>Business sector</b>												
Output per hour of all persons .....	5.9	2.8	1.4	4.0	4.9	1.7	3.3	3.4	3.1	3.5	3.3	3.0
Output .....	12.4	9.3	7.8	11.4	11.2	2.7	3.4	6.1	8.4	10.2	9.9	8.2
Hours .....	6.1	6.4	6.2	7.2	6.0	1.0	.1	2.6	5.2	6.5	6.4	5.1
Compensation per hour .....	2.2	2.0	6.1	6.2	1.9	4.5	4.6	3.3	3.7	4.1	4.0	4.7
Real compensation per hour .....	-2.1	-2.1	1.6	1.2	-1.8	.9	1.3	.7	.3	-.4	-.3	.5
Unit labor costs .....	-3.5	-.8	4.6	2.1	-2.9	2.7	1.3	-.1	.6	.6	.7	1.6
Unit nonlabor payments .....	14.5	9.5	3.1	7.0	15.4	3.9	5.5	8.9	9.2	8.4	8.7	7.3
Implicit price deflator .....	1.9	2.5	4.1	3.7	2.9	3.1	2.6	2.7	3.3	3.0	3.3	3.5
<b>Nonfarm business sector</b>												
Output per hour of all persons .....	8.1	2.1	1.0	2.9	5.5	.0	4.3	3.9	3.9	3.5	2.9	2.3
Output .....	14.3	8.7	9.1	10.3	10.6	1.6	4.1	6.3	9.5	10.6	9.7	7.8
Hours .....	5.7	6.5	8.0	7.2	4.8	1.6	-.2	2.3	5.4	6.9	6.6	5.4
Compensation per hour .....	3.5	2.2	4.1	6.1	3.7	3.7	5.4	4.1	3.9	4.0	4.0	4.4
Real compensation per hour .....	-.8	-1.9	-.3	1.0	.0	.1	2.0	1.5	.6	-.5	-.3	.2
Unit labor costs .....	-4.2	.1	3.0	3.1	-1.7	3.7	1.1	.2	.0	.4	1.1	2.0
Unit nonlabor payments .....	17.8	8.4	5.3	2.3	12.5	3.3	6.5	9.2	10.9	8.3	7.1	5.8
Implicit price deflator .....	2.2	2.7	3.7	2.8	2.8	3.6	2.8	3.0	3.3	2.9	3.0	3.2
<b>Manufacturing</b>												
Output per hour of all persons .....	6.4	9.7	-1.0	3.7	4.0	8.0	4.3	4.3	4.9	4.7	4.1	3.7
Output .....	17.1	20.5	9.1	12.9	8.9	7.4	2.4	7.6	13.4	14.8	12.7	9.6
Hours .....	10.0	9.8	10.2	8.8	4.6	-.5	-1.8	3.1	8.1	9.7	8.3	5.7
Compensation per hour .....	.6	1.3	2.9	6.2	2.9	3.7	3.6	2.3	2.2	2.7	3.3	3.9
Real compensation per hour .....	-3.5	-2.8	-1.5	1.1	-.8	.1	.3	-.3	-1.0	-1.7	-1.0	-.3
Unit labor costs .....	-5.5	-7.7	3.9	2.3	-1.1	-4.0	-.6	-1.9	-2.6	-1.9	-.7	.2
<b>Durable goods</b>												
Output per hour of all persons .....	8.7	10.2	-1.2	7.2	3.1	7.7	5.7	5.5	6.1	6.1	4.7	4.1
Output .....	20.5	24.2	13.2	18.9	9.5	9.4	1.8	8.5	17.0	19.2	16.3	12.7
Hours .....	10.9	12.8	14.6	10.9	6.2	1.6	-3.7	2.9	10.3	12.3	11.1	8.2
Compensation per hour .....	.1	.8	2.1	6.1	2.8	2.7	3.4	1.8	1.7	2.2	2.9	3.4
Real compensation per hour .....	-4.1	-3.2	-2.3	1.1	-.8	-.8	.1	-.8	-1.6	-2.2	-1.3	-.7
Unit labor costs .....	-7.9	-8.5	3.3	-1.0	-.2	-4.6	-2.2	-3.5	-4.2	-3.7	-1.7	-.7
<b>Nondurable goods</b>												
Output per hour of all persons .....	3.4	9.0	-.6	-1.3	5.5	8.4	2.2	2.7	3.3	2.6	3.1	2.9
Output .....	12.5	15.3	3.4	4.4	8.0	4.4	3.1	6.2	8.4	8.8	7.7	5.0
Hours .....	8.8	5.8	4.0	5.8	2.4	-3.7	.9	3.5	4.9	6.1	4.5	2.0
Compensation per hour .....	1.4	1.4	3.4	5.8	2.7	4.8	4.5	3.2	2.7	3.0	3.3	4.2
Real compensation per hour .....	-2.8	-2.6	-1.0	.8	-1.0	1.2	1.1	.6	-.6	-1.4	-.9	.0
Unit labor costs .....	-1.9	-7.0	4.0	7.2	-2.6	-3.3	2.2	.6	-.6	.4	.2	1.2
<b>Nonfinancial corporations</b>												
Output per all-employee hour .....	7.5	5.3	-.2	3.6	2.8	( <sup>1</sup> )	3.7	3.8	3.9	4.0	2.9	( <sup>1</sup> )
Output .....	15.1	12.4	8.4	11.6	9.8	( <sup>1</sup> )	3.1	6.3	10.0	11.8	10.5	( <sup>1</sup> )
Hours .....	7.1	6.7	8.6	7.7	6.8	( <sup>1</sup> )	-.6	2.4	5.9	7.5	7.5	( <sup>1</sup> )
Compensation per hour .....	3.5	3.1	2.0	5.7	2.4	( <sup>1</sup> )	4.6	3.6	3.1	3.6	3.3	( <sup>1</sup> )
Real compensation per hour .....	-.8	-1.0	-2.4	.7	-1.3	( <sup>1</sup> )	1.3	1.0	-.2	-.9	-1.0	( <sup>1</sup> )
Total unit costs .....	-3.9	-2.0	.8	.6	.2	( <sup>1</sup> )	.8	-.2	-1.5	-1.1	-.1	( <sup>1</sup> )
Unit labor costs .....	-3.7	-2.1	2.1	2.0	-.4	( <sup>1</sup> )	.9	-.2	-.8	-.4	.4	( <sup>1</sup> )
Unit nonlabor costs .....	-.4	-1.7	-2.6	-3.2	2.0	( <sup>1</sup> )	.5	.0	-3.2	-3.0	-1.4	( <sup>1</sup> )
Unit profits .....	112.8	64.8	32.6	23.4	23.8	( <sup>1</sup> )	28.7	46.3	79.8	54.8	35.2	( <sup>1</sup> )
Implicit price deflator .....	2.3	2.8	3.6	2.7	2.6	( <sup>1</sup> )	2.7	3.0	3.3	2.8	2.9	( <sup>1</sup> )

<sup>1</sup> Not available.  
<sup>P</sup> = preliminary.

<sup>r</sup> = 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		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>Alabama</b> .....	1,760.2	1,786.7	1,788.5	210.9	196.8	195.7	12.0	11.0	10.9
Birmingham .....	390.4	392.1	391.1	46.5	38.3	37.0	11.9	9.8	9.5
Huntsville .....	161.9	168.1	168.6	14.2	14.0	13.1	8.8	8.3	7.8
Mobile .....	196.9	200.6	200.3	28.4	24.3	25.4	14.4	12.1	12.7
Montgomery .....	129.5	132.0	131.2	13.1	11.5	11.0	10.1	8.7	8.4
Tuscaloosa .....	55.9	57.7	58.2	6.1	5.9	5.3	10.9	10.2	9.1
<b>Alaska</b> .....	239.9	253.8	248.6	19.2	21.5	20.7	8.0	8.5	8.3
<b>Arizona</b> .....	1,374.2	1,379.2	1,421.5	108.4	62.3	57.0	7.9	4.5	4.0
Phoenix .....	853.7	875.0	903.5	52.7	29.4	27.5	6.2	3.4	3.0
Tucson .....	255.3	254.6	260.5	19.4	10.2	9.3	7.6	4.0	3.6
<b>Arkansas</b> .....	1,042.9	1,062.5	1,059.1	87.6	88.8	82.5	8.4	8.4	7.8
Fayetteville-Springdale .....	85.2	86.7	87.3	4.9	4.6	4.3	5.8	5.3	4.9
Fort Smith .....	91.8	93.4	93.5	8.1	7.4	7.3	8.9	7.9	7.8
Little Rock-North Little Rock .....	201.0	203.8	203.7	14.8	13.0	12.8	7.4	6.4	6.3
Pine Bluff .....	38.6	38.2	38.5	3.5	3.7	3.4	9.2	9.6	8.9
<b>California</b> <sup>1</sup> .....	12,373.8	12,819.8	12,677.8	1,027.1	965.9	954.9	8.3	7.5	7.5
Anaheim-Santa Ana-Garden Grove .....	1,213.7	1,294.4	1,262.8	87.1	55.1	56.4	5.5	4.3	4.5
Bakersfield .....	213.6	223.8	221.1	24.2	22.6	26.4	11.3	10.1	11.9
Fresno .....	337.2	333.5	349.6	29.8	31.7	32.4	8.8	9.5	9.3
Los Angeles-Long Beach .....	3,837.0	3,883.0	3,880.0	362.0	339.0	312.0	9.4	8.7	8.0
Modesto .....	142.4	148.3	143.8	17.0	16.8	17.3	12.0	11.3	12.0
Oxnard-Simi Valley-Ventura .....	266.9	275.0	269.4	24.7	24.8	24.8	9.3	9.0	9.2
Riverside-San Bernardino-Ontario .....	628.2	658.7	652.2	61.6	59.9	61.6	9.8	9.1	9.4
Sacramento .....	524.9	550.0	539.4	41.7	39.4	40.7	7.9	7.2	7.6
Salinas-Seaside-Monterey .....	148.3	155.2	152.6	12.4	12.4	12.0	8.4	8.0	7.9
San Diego .....	851.4	901.8	888.1	60.0	53.5	55.4	7.0	5.9	6.2
San Francisco-Oakland .....	1,737.7	1,813.8	1,769.6	118.7	109.0	108.3	6.8	6.0	6.1
San Jose .....	847.7	897.8	873.7	50.6	40.1	41.8	6.0	4.5	4.8
Santa Barbara-Santa Maria-Lompoc .....	161.6	168.8	165.1	9.9	9.2	9.4	6.1	5.4	5.7
Santa Rosa .....	150.1	155.5	155.9	9.9	9.7	9.6	6.8	6.2	6.1
Stockton .....	188.7	187.9	191.8	19.6	18.1	19.1	10.4	9.6	10.0
Vallejo-Fairfield-Napa .....	140.8	148.4	146.0	12.0	11.4	11.4	8.5	7.7	7.8
<b>Colorado</b> .....	1,690.6	1,741.7	1,737.4	91.8	83.0	82.6	5.4	4.8	4.8
Denver-Boulder .....	1,008.3	1,037.8	1,036.7	47.6	42.9	43.4	4.7	4.1	4.2
<b>Connecticut</b> .....	1,613.4	1,672.1	1,678.4	81.3	70.9	71.8	5.0	4.2	4.3
Bridgeport .....	190.9	194.0	194.9	11.2	9.8	9.7	5.8	5.0	5.0
Hartford .....	388.7	398.4	402.3	18.6	15.9	16.0	4.8	4.0	4.0
New Britain .....	69.2	70.0	71.9	4.0	3.5	3.5	5.8	5.1	4.9
New Haven-West Haven .....	201.6	214.5	214.7	11.7	9.5	9.3	5.8	4.4	4.3
Stamford .....	125.6	129.4	129.2	4.5	3.5	3.6	3.6	2.7	2.8
Waterbury .....	104.9	108.0	107.9	6.1	5.5	5.4	5.8	5.1	5.0
<b>Delaware</b> .....	298.4	309.5	304.1	20.9	17.3	16.6	7.0	5.6	5.4
Wilmington .....	262.2	266.3	264.6	19.6	16.5	15.7	7.5	6.2	5.9
<b>District of Columbia</b> .....	323.1	335.3	323.0	36.2	28.8	27.8	11.2	8.6	8.6
Washington SMSA .....	1,794.9	1,872.9	1,858.1	84.0	75.1	75.7	4.7	4.0	4.1
<b>Florida</b> <sup>1</sup> .....	5,101.1	5,166.0	5,184.2	415.4	319.8	319.1	8.1	6.2	6.2
Daytona Beach .....	126.6	129.0	128.6	8.4	5.8	8.7	6.6	4.5	5.2
Fort Lauderdale-Hollywood .....	534.3	543.0	541.0	34.0	25.7	25.5	6.4	4.7	4.7
Fort Myers-Cape Coral .....	111.6	114.3	114.2	7.2	5.4	5.3	6.5	4.8	4.6
Gainesville .....	87.8	89.3	88.9	3.6	2.4	3.2	4.2	2.7	3.6
Jacksonville .....	384.5	388.4	387.3	28.5	21.3	20.6	7.4	5.5	5.3
Lakeland-Winter Haven .....	154.3	149.6	148.5	27.0	21.9	19.9	17.5	14.7	13.4
Melbourne-Titusville Cocoa .....	143.1	150.8	150.3	10.1	7.0	7.1	7.1	4.6	4.7
Miami .....	886.1	884.9	883.7	82.8	66.1	64.3	9.3	7.5	7.3
Orlando .....	443.9	458.5	459.5	29.5	22.2	24.3	6.6	4.9	5.3
Pensacola .....	139.4	140.3	144.2	9.4	7.3	8.8	6.7	5.2	6.1
Sarasota .....	93.7	95.1	94.1	5.2	3.6	4.3	5.6	3.7	4.5
Tallahassee .....	94.8	97.1	96.1	4.1	3.5	3.6	4.3	3.7	3.8
Tampa-St. Petersburg .....	804.4	808.2	810.7	55.5	39.3	38.7	6.9	4.9	4.8
West Palm Beach-Boca Raton .....	310.5	323.0	324.8	29.1	24.0	21.2	9.4	7.4	6.5

See footnotes at end of table.

STATE AND AREA LABOR FORCE DATA  
NOT SEASONALLY ADJUSTED

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>Georgia</b> .....	2,733.6	2,826.2	2,814.4	186.5	168.1	162.4	6.8	5.9	5.8
Albany .....	53.5	54.0	53.5	5.2	4.5	4.5	9.8	8.3	8.4
Athens .....	65.4	66.1	64.1	3.8	3.7	3.4	5.8	5.7	5.2
Atlanta .....	1,137.7	1,188.0	1,182.4	66.5	57.4	53.2	5.8	4.8	4.5
Augusta .....	137.2	135.6	134.8	12.3	8.9	9.2	9.0	6.6	6.8
Columbus .....	89.1	93.0	91.8	7.2	6.8	6.7	8.1	7.4	7.2
Macon .....	110.4	110.0	109.6	8.3	7.7	7.4	7.5	7.0	6.7
Savannah .....	99.5	98.7	99.0	8.1	7.2	7.3	8.2	7.3	7.3
<b>Hawaii</b> .....	461.0	480.0	466.2	28.4	29.5	30.9	6.2	6.1	6.6
Honolulu .....	350.7	366.2	355.7	19.9	21.1	21.9	5.7	5.8	6.2
<b>Idaho</b> .....	467.5	469.3	464.6	36.7	31.1	25.8	7.9	6.6	5.6
Boise City .....	97.3	100.0	98.4	6.4	4.4	4.1	6.5	4.4	4.2
<b>Illinois</b> <sup>1</sup> .....	5,559.3	5,557.6	5,559.1	546.1	476.7	466.3	9.8	8.6	8.4
Bloomington-Normal .....	64.0	63.3	65.4	4.0	3.8	3.6	6.2	6.1	5.5
Champaign-Urbana-Rantoul .....	86.8	82.0	87.3	4.6	4.4	4.3	5.3	5.3	4.9
Chicago .....	3,437.8	3,450.2	3,452.7	314.6	278.9	276.5	9.2	8.1	8.0
Davenport-Rock Island-Moline .....	187.1	180.8	180.6	22.8	16.8	19.4	12.2	9.3	10.8
Decatur .....	62.2	60.1	60.2	7.5	5.4	5.8	12.1	9.0	9.5
Kankakee .....	41.2	40.2	39.8	5.7	4.8	4.6	13.8	11.9	11.5
Peoria .....	169.1	165.8	163.8	24.1	16.0	15.3	14.2	9.7	9.4
Rockford .....	137.8	137.7	136.9	15.3	11.6	11.7	11.1	8.4	8.6
Springfield .....	104.3	110.2	103.0	7.0	6.7	6.5	6.7	6.1	6.3
<b>Indiana</b> .....	2,574.8	2,655.1	2,660.5	230.6	193.0	187.7	9.0	7.3	7.1
Anderson .....	55.7	56.9	57.3	5.0	4.1	3.7	8.9	7.3	6.5
Elkhart .....	78.9	88.3	87.1	4.8	5.2	4.9	6.1	5.9	5.6
Evansville .....	148.0	153.4	151.7	12.9	11.5	11.3	8.7	7.5	7.4
Fort Wayne .....	183.4	188.0	187.5	17.6	11.6	11.2	9.6	6.2	6.0
Gary-Hammond-East Chicago .....	268.0	267.1	265.8	35.2	34.4	37.1	13.1	12.9	13.9
Indianapolis .....	604.6	632.2	625.3	49.5	36.0	34.4	8.2	5.7	5.5
Lafayette-West Lafayette .....	64.6	62.1	67.0	3.8	2.9	2.9	5.9	4.6	4.4
Muncie .....	54.8	53.1	54.7	5.4	4.3	4.1	9.9	8.0	7.5
South Bend .....	140.0	148.2	149.6	10.2	8.8	8.6	7.3	5.9	5.8
Terre Haute .....	80.5	81.1	82.4	8.3	6.8	5.9	10.3	8.4	7.2
<b>Iowa</b> .....	1,423.5	1,399.9	1,396.6	87.3	83.3	80.5	6.1	5.9	5.8
Cedar Rapids .....	83.3	81.5	80.7	5.6	5.1	5.3	6.7	6.2	6.6
Des Moines .....	184.5	182.1	181.2	10.8	8.8	8.3	5.9	4.8	4.6
Dubuque .....	42.9	41.7	41.7	3.9	3.1	3.0	9.0	7.4	7.2
Sioux City .....	54.3	53.5	53.2	3.5	3.5	3.1	6.5	6.6	5.9
Waterloo-Cedar Falls .....	65.2	60.9	61.9	6.6	5.8	6.2	10.1	9.5	10.0
<b>Kansas</b> .....	1,192.3	1,212.0	1,207.6	61.3	61.9	56.1	5.1	5.1	4.6
Lawrence .....	34.7	33.3	34.4	1.5	1.3	1.2	4.2	4.0	3.4
Topeka .....	93.9	97.6	96.3	5.8	5.4	5.3	6.2	5.6	5.5
Wichita .....	222.9	232.7	229.8	15.1	13.8	12.4	6.8	5.9	5.4
<b>Kentucky</b> .....	1,701.5	1,730.0	1,725.3	165.1	150.6	146.0	9.7	8.7	8.5
Lexington-Fayette .....	188.8	188.6	188.1	8.8	8.6	8.2	4.6	4.6	4.4
Louisville .....	422.9	435.5	432.1	38.3	35.7	34.2	9.1	8.2	7.9
Owensboro .....	44.8	46.4	47.3	3.4	4.2	4.7	7.6	9.0	10.0
<b>Louisiana</b> .....	1,931.8	1,969.7	1,983.6	214.4	185.2	185.6	11.1	9.4	9.4
Alexandria .....	78.9	79.7	79.9	8.1	7.5	7.4	10.2	9.4	9.3
Baton Rouge .....	242.7	251.3	253.0	22.5	21.1	21.0	9.3	8.4	8.3
Lafayette .....	95.4	97.9	98.2	8.1	5.8	5.9	8.5	5.9	6.0
Lake Charles .....	79.2	75.5	75.2	11.6	10.1	10.1	14.6	13.4	13.5
Monroe .....	59.5	60.7	59.8	6.3	5.6	5.5	10.6	9.2	9.1
New Orleans .....	528.3	545.3	542.6	52.8	48.4	49.2	10.0	8.9	9.1
Shreveport .....	173.5	172.3	174.4	18.1	12.8	12.9	10.4	7.4	7.4
<b>Maine</b> .....	562.5	580.2	568.6	38.9	29.6	27.6	6.9	5.1	4.9
Lewiston-Auburn .....	39.6	40.2	39.3	2.9	2.6	2.4	7.4	6.5	6.1
Portland .....	98.6	105.7	103.8	5.2	3.4	3.3	5.3	3.2	3.1
<b>Maryland</b> .....	2,205.4	2,255.5	2,244.3	127.3	118.6	120.2	5.8	5.3	5.4
Baltimore .....	1,073.6	1,092.4	1,090.7	72.0	68.4	70.3	6.7	6.3	6.4

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>Massachusetts<sup>1</sup></b> .....	3,005.1	3,097.6	3,047.5	211.7	146.9	137.5	7.0	4.7	4.5
Boston .....	1,441.0	1,504.1	1,476.6	89.3	64.0	60.3	6.2	4.3	4.1
Brockton .....	81.7	83.3	81.2	6.8	4.8	4.4	8.4	5.7	5.4
Fall River .....	79.2	79.2	78.0	7.4	5.2	4.8	9.3	6.5	6.1
Fitchburg-Leominster .....	50.9	51.8	51.5	4.0	2.9	2.4	7.8	5.5	4.7
Lawrence-Haverhill .....	149.0	151.1	147.6	11.7	9.2	7.9	7.9	6.1	5.3
Lowell .....	138.5	144.3	143.0	8.3	5.5	5.2	6.0	3.8	3.6
New Bedford .....	85.7	90.7	88.3	8.2	5.8	5.7	9.6	6.4	6.5
Pittsfield .....	66.1	69.8	67.2	5.7	4.1	3.8	8.6	5.9	5.7
Springfield-Chicopee-Holyoke .....	293.0	286.4	286.0	23.6	14.4	13.2	8.1	5.0	4.6
Worcester .....	195.1	189.9	188.7	14.2	9.8	8.8	7.3	5.2	4.7
<b>Michigan<sup>1</sup></b> .....	4,310.3	4,417.6	4,327.6	528.7	455.6	426.0	12.3	10.3	9.8
Ann Arbor .....	150.2	149.0	( <sup>2</sup> )	12.3	10.0	( <sup>2</sup> )	8.2	6.7	( <sup>2</sup> )
Battle Creek .....	80.5	82.1	( <sup>2</sup> )	10.2	7.3	( <sup>2</sup> )	12.6	8.9	( <sup>2</sup> )
Bay City .....	52.8	55.5	( <sup>2</sup> )	7.4	7.6	( <sup>2</sup> )	14.1	13.6	( <sup>2</sup> )
Benton Harbor .....	70.2	72.7	( <sup>2</sup> )	9.3	6.8	( <sup>2</sup> )	13.2	9.4	( <sup>2</sup> )
Detroit .....	1,972.3	2,008.2	( <sup>2</sup> )	251.6	210.7	( <sup>2</sup> )	12.8	10.5	( <sup>2</sup> )
Flint .....	223.2	222.0	( <sup>2</sup> )	32.8	27.3	( <sup>2</sup> )	14.7	12.3	( <sup>2</sup> )
Grand Rapids .....	335.9	342.3	( <sup>2</sup> )	34.3	27.7	( <sup>2</sup> )	10.2	8.1	( <sup>2</sup> )
Jackson .....	65.1	65.5	( <sup>2</sup> )	9.3	7.4	( <sup>2</sup> )	14.3	11.4	( <sup>2</sup> )
Kalamazoo-Portage .....	140.8	143.5	( <sup>2</sup> )	13.8	10.6	( <sup>2</sup> )	9.8	7.4	( <sup>2</sup> )
Lansing-East Lansing .....	243.9	255.7	( <sup>2</sup> )	22.3	27.0	( <sup>2</sup> )	9.1	10.6	( <sup>2</sup> )
Muskegon-Norton Shores-Muskegon Heights .....	76.6	78.7	( <sup>2</sup> )	11.2	7.8	( <sup>2</sup> )	14.6	9.8	( <sup>2</sup> )
Saginaw .....	99.3	103.9	( <sup>2</sup> )	11.8	10.5	( <sup>2</sup> )	11.9	10.1	( <sup>2</sup> )
<b>Minnesota</b> .....	2,183.3	2,263.4	2,250.7	139.9	128.2	122.4	6.4	5.7	5.4
Duluth-Superior .....	108.9	103.2	105.9	18.8	11.8	13.6	17.2	11.5	12.9
Minneapolis-St. Paul .....	1,176.7	1,228.8	1,226.6	63.7	55.4	53.7	5.4	4.5	4.4
Rochester .....	59.5	60.9	60.0	2.7	2.5	2.4	4.5	4.1	3.9
St. Cloud .....	77.8	81.2	80.8	5.7	6.3	5.7	7.3	7.7	7.0
<b>Mississippi</b> .....	1,071.9	1,085.1	1,105.0	117.1	121.4	117.9	10.9	11.2	10.7
Jackson .....	159.8	165.0	165.4	11.7	11.6	11.0	7.3	7.0	6.6
<b>Missouri</b> .....	2,363.1	2,376.1	2,373.8	194.1	152.4	140.0	8.2	6.4	5.9
Kansas City .....	685.0	698.4	689.8	46.0	37.5	32.1	6.7	5.4	4.6
St. Joseph .....	45.9	45.9	45.3	4.2	3.5	3.6	9.1	7.7	8.0
St. Louis .....	1,148.9	1,162.4	1,151.9	106.2	87.4	81.7	9.2	7.5	7.1
Springfield .....	114.7	114.2	116.6	7.4	5.4	5.4	6.5	4.7	4.6
<b>Montana</b> .....	394.6	418.5	407.4	26.9	29.6	25.1	6.8	7.1	6.2
<b>Nebraska</b> .....	790.1	791.5	782.2	34.7	26.8	28.4	4.4	3.4	3.6
Lincoln .....	109.1	107.3	108.9	3.6	2.7	2.8	3.3	2.5	2.6
Omaha .....	292.3	292.0	292.2	14.0	12.3	13.0	4.8	4.2	4.4
<b>Nevada</b> .....	492.8	499.6	501.9	41.4	38.0	38.7	8.4	7.6	7.7
Las Vegas .....	274.7	278.3	281.9	25.5	25.0	25.6	9.3	9.0	9.1
Reno .....	134.3	135.7	135.5	8.7	7.1	7.1	6.5	5.2	5.3
<b>New Hampshire</b> .....	512.6	536.4	528.8	17.6	16.2	14.9	3.4	3.0	2.8
Manchester .....	87.3	92.3	91.8	3.0	2.5	2.5	3.5	2.7	2.7
Nashua .....	86.9	94.1	94.1	2.6	1.9	1.9	2.9	2.0	2.0
<b>New Jersey<sup>1</sup></b> .....	3,652.7	3,828.6	3,750.7	280.3	233.0	218.5	7.7	6.1	5.8
Atlantic City .....	125.5	139.1	133.6	10.6	8.5	8.7	8.4	6.1	6.5
Jersey City .....	236.0	241.4	236.5	29.1	24.3	23.2	12.3	10.1	9.8
Long Branch-Asbury Park .....	250.5	278.8	270.1	17.4	14.3	13.4	7.0	5.1	5.0
New Brunswick-Perth Amboy-Sayreville .....	335.4	353.0	346.8	23.5	21.6	19.2	7.0	6.1	5.5
Newark .....	974.5	1,019.4	999.5	72.5	61.2	56.7	7.4	6.0	5.7
Paterson-Clifton-Passaic .....	214.8	224.2	220.4	21.9	18.2	17.1	10.2	8.1	7.8
Trenton .....	160.0	165.6	165.8	11.1	8.3	8.3	6.9	5.0	5.0
Vineland-Millville-Bridgeton .....	55.9	56.6	55.3	7.4	7.0	6.4	13.3	12.3	11.6
<b>New Mexico</b> .....	615.1	624.6	631.2	56.5	45.7	47.0	9.2	7.3	7.4
Albuquerque .....	232.6	242.2	245.3	18.8	15.5	16.0	8.1	6.4	6.5
Las Cruces .....	42.2	43.6	46.3	3.8	3.6	3.4	9.1	8.3	7.3

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		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>New York</b> <sup>1</sup>	8,135.6	8,236.8	8,014.0	671.7	618.3	536.0	8.3	7.5	6.7
Albany-Schenectady-Troy	376.3	387.2	381.7	25.1	21.0	19.1	6.7	5.4	5.0
Binghamton	139.8	143.5	142.4	9.7	8.0	7.6	6.9	5.6	5.4
Buffalo	530.4	528.6	516.8	55.6	47.2	41.9	10.5	8.9	8.1
Elmira	36.5	37.5	36.9	3.0	2.7	2.9	8.1	7.1	7.9
Glens-Falls	47.3	51.2	47.6	3.3	3.0	2.9	7.1	5.9	6.1
Nassau-Suffolk	1,398.0	1,444.2	1,415.8	87.5	77.5	69.9	6.3	5.4	4.9
New York	3,727.3	3,744.6	3,598.2	349.0	343.6	286.7	9.4	9.2	8.0
New York City	3,111.0	3,098.0	2,969.0	316.0	311.0	261.0	10.1	10.1	8.8
Newburgh-Middletown	110.2	112.6	109.9	7.5	6.6	6.1	6.8	5.8	5.5
Poughkeepsie	116.1	119.4	117.8	6.6	5.1	4.5	5.7	4.3	3.8
Rochester	471.8	473.1	469.3	35.8	25.5	23.4	7.6	5.4	5.0
Syracuse	304.9	307.8	305.1	20.0	17.6	16.0	6.6	5.7	5.2
Utica-Rome	133.3	138.0	136.0	9.8	8.7	7.8	7.3	6.3	5.7
<b>North Carolina</b>	2,956.3	3,077.3	3,073.5	217.6	187.8	193.6	7.4	6.1	6.3
Asheville	87.2	90.9	88.8	5.6	5.5	5.3	6.5	6.1	6.0
Charlotte-Gastonia	375.3	391.2	391.9	23.9	19.3	19.4	6.4	4.9	5.0
Greensboro-Winston-Salem-High Point	443.8	457.3	459.5	29.3	23.9	24.6	6.6	5.2	5.4
Raleigh-Durham	323.7	342.0	343.9	13.2	11.4	11.5	4.1	3.3	3.4
<b>North Dakota</b>	328.3	349.7	331.6	12.7	14.0	13.1	3.9	4.0	4.0
Fargo-Moorehead	73.5	74.2	74.2	2.4	2.4	2.0	3.2	3.2	2.7
<b>Ohio</b> <sup>1</sup>	5,107.8	5,215.3	5,158.9	566.6	482.1	451.4	11.1	9.2	8.7
Akron	305.0	311.4	309.2	33.7	29.9	27.3	11.1	9.6	8.8
Canton	186.5	189.0	186.2	24.3	18.6	17.3	13.1	9.9	9.3
Cincinnati	685.3	708.2	700.8	66.4	58.8	57.9	9.7	8.3	8.3
Cleveland	925.3	937.6	920.2	99.4	84.3	78.6	10.7	9.0	8.5
Columbus	577.6	601.6	594.4	49.0	43.1	40.7	8.5	7.2	6.8
Dayton	389.2	399.6	399.0	35.7	30.3	28.9	9.2	7.6	7.3
Toledo	374.6	381.4	( <sup>2</sup> )	42.9	36.1	( <sup>2</sup> )	11.5	9.5	( <sup>2</sup> )
Youngstown-Warren	226.6	226.1	223.7	33.6	27.9	24.8	14.8	12.3	11.1
<b>Oklahoma</b>	1,551.8	1,592.1	1,590.2	128.6	108.0	104.5	8.3	6.8	6.6
Enid	33.0	31.9	32.0	2.4	1.9	1.9	7.2	6.0	5.9
Lawton	39.7	40.4	41.0	2.5	2.3	2.4	6.3	5.7	6.0
Oklahoma City	482.9	503.7	502.0	30.6	31.3	26.0	6.3	6.2	5.2
Tulsa	371.8	378.9	376.9	33.3	25.8	26.3	8.9	6.8	7.0
<b>Oregon</b>	1,343.2	1,332.7	1,333.2	117.3	106.7	99.3	8.7	8.0	7.5
Eugene-Springfield	131.7	130.1	130.2	12.1	10.4	9.7	9.2	8.0	7.5
Medford	66.8	65.6	67.9	5.7	5.6	4.9	8.5	8.5	7.3
Portland	661.0	658.7	657.2	58.8	48.6	45.3	8.9	7.4	6.9
Salem	131.2	130.4	128.3	9.5	8.4	7.7	7.3	6.4	6.0
<b>Pennsylvania</b> <sup>1</sup>	5,529.9	5,582.6	5,497.4	550.6	538.0	479.4	10.0	9.6	8.7
Allentown-Bethlehem-Easton	308.6	316.0	312.6	29.4	29.4	28.7	9.5	9.3	9.2
Altoona	56.7	56.7	55.9	6.8	5.7	5.2	12.0	10.1	9.3
Erie	125.4	125.5	125.0	14.8	12.3	10.9	11.8	9.8	8.7
Harrisburg	244.0	250.0	245.5	13.4	13.9	12.5	5.5	5.6	5.1
Johnstown	103.1	103.0	100.0	15.9	14.4	12.0	15.4	14.0	12.0
Lancaster	188.9	192.9	192.7	9.3	9.9	9.3	4.9	5.1	4.8
Northeast Pennsylvania	291.6	302.9	294.7	30.3	36.5	31.5	10.4	12.1	10.7
Philadelphia	2,242.9	2,287.6	2,254.0	174.1	171.4	154.4	7.8	7.5	6.9
Pittsburgh	1,028.4	1,020.0	1,004.1	130.6	122.6	109.6	12.7	12.0	10.9
Reading	162.1	164.4	165.2	12.3	12.3	11.5	7.6	7.5	6.9
Sharon	52.0	51.6	51.0	7.8	6.5	5.6	15.0	12.5	11.0
State College	53.5	52.8	48.8	4.6	4.4	4.1	8.6	8.2	8.4
Williamsport	52.2	53.7	52.8	6.3	5.8	5.2	12.0	10.8	9.9
York	183.8	185.2	183.2	16.4	15.4	12.7	8.9	8.3	6.9
<b>Rhode Island</b>	478.4	494.0	498.2	31.5	24.9	22.5	6.6	5.0	4.5
Providence-Warwick-Pawtucket	467.6	477.7	481.7	32.6	25.5	23.2	7.0	5.3	4.8
<b>South Carolina</b>	1,479.5	1,493.5	1,478.7	124.8	98.0	94.9	8.4	6.6	6.4
Charleston-North Charleston	177.7	182.9	181.5	14.0	9.2	9.4	7.9	5.1	5.2
Columbia	201.9	205.6	205.4	12.0	8.9	8.9	5.9	4.3	4.3
Greenville-Spartanburg	287.9	286.5	287.0	21.8	15.9	15.7	7.6	5.6	5.5
<b>South Dakota</b>	341.8	348.1	343.4	14.2	12.3	12.2	4.1	3.5	3.6
Sioux Falls	66.7	67.3	67.3	2.3	2.0	2.0	3.5	2.9	3.0

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>	Sept. 1983	Aug. 1984	Sept. 1984 <sup>P</sup>
<b>Tennessee</b> .....	2,199.7	2,215.8	2,231.9	208.0	194.5	185.7	9.5	8.8	8.3
Chattanooga .....	195.9	197.5	200.1	17.1	14.7	14.1	8.7	7.4	7.1
Johnson City-Kingsport-Bristol .....	202.0	212.1	213.3	18.2	17.6	16.2	9.0	8.3	7.6
Knoxville .....	231.1	230.7	230.2	20.9	18.0	16.7	9.0	7.8	7.3
Memphis .....	437.0	411.2	415.3	37.5	30.2	28.6	8.6	7.3	6.9
Nashville-Davidson .....	452.7	465.9	470.9	31.2	27.2	25.3	6.9	5.8	5.4
<b>Texas<sup>1</sup></b> .....	7,720.2	8,072.2	8,074.8	662.3	450.2	470.0	8.6	5.6	5.8
Abilene .....	77.9	79.1	78.9	4.5	3.0	3.1	5.8	3.9	3.9
Amarillo .....	99.4	104.5	104.2	5.5	4.4	4.7	5.6	4.3	4.6
Austin .....	327.7	354.8	361.5	15.3	11.9	12.3	4.7	3.4	3.4
Beaumont-Port Arthur .....	182.1	183.1	182.0	27.5	18.8	19.4	15.1	10.3	10.6
Brownsville-Harlingen-San Benito .....	93.9	94.7	94.3	15.3	12.0	12.6	16.3	12.7	13.3
Bryan-College Station .....	55.5	57.2	58.9	2.8	2.1	2.1	5.1	3.6	3.6
Corpus Christi .....	169.0	170.5	170.0	21.7	13.4	13.6	12.8	7.8	8.0
Dallas-Fort Worth .....	1,824.6	1,953.7	1,956.0	99.9	68.9	74.6	5.5	3.5	3.8
El Paso .....	199.5	204.8	206.8	25.3	20.0	20.8	12.7	9.8	10.0
Galveston-Texas City .....	92.9	94.1	95.8	12.2	8.6	8.8	13.1	9.1	9.2
Houston .....	1,772.7	1,824.2	1,817.9	180.5	112.2	115.7	10.2	6.1	6.4
Killeen-Temple .....	74.3	80.2	79.3	5.4	4.0	4.2	7.3	4.9	5.4
Laredo .....	41.0	39.4	38.8	10.7	6.0	6.0	26.1	15.3	15.5
Longview-Marshall .....	81.8	81.6	81.1	10.1	6.1	6.3	12.3	7.4	7.8
Lubbock .....	115.1	115.6	116.9	8.3	5.7	5.8	7.2	4.9	5.0
Mcallen-Pharr-Edinburg .....	119.2	117.5	120.0	29.2	23.3	25.8	24.5	19.8	21.5
Midland .....	66.2	75.8	76.5	4.3	2.7	2.7	6.5	3.6	3.5
Odessa .....	74.2	80.2	79.5	7.2	3.4	3.5	9.7	4.3	4.3
San Angelo .....	50.0	52.3	53.1	2.8	2.0	2.3	5.6	3.8	4.3
San Antonio .....	509.6	546.8	547.3	34.2	25.9	27.2	6.7	4.7	5.0
Sherman-Denison .....	40.4	42.1	41.8	3.1	1.9	2.1	7.6	4.5	5.0
Texarkana .....	52.3	54.9	54.7	5.1	4.1	4.2	9.7	7.5	7.6
Tyler .....	77.4	81.0	80.5	5.1	3.9	3.6	6.5	4.8	4.5
Waco .....	91.0	96.9	97.6	5.0	4.0	4.5	5.5	4.1	4.6
Wichita Falls .....	68.4	70.8	71.4	4.7	3.1	3.6	6.9	4.3	5.1
<b>Utah</b> .....	703.3	713.7	727.1	54.3	41.7	40.5	7.7	5.8	5.6
Salt Lake City-Ogden .....	457.9	468.5	473.7	34.1	25.9	24.7	7.5	5.5	5.2
<b>Vermont</b> .....	267.7	274.1	276.9	13.3	11.2	9.8	5.0	4.1	3.5
Burlington .....	71.5	73.7	75.4	2.9	2.3	2.0	4.1	3.2	2.7
<b>Virginia</b> .....	2,739.3	2,839.1	2,861.9	130.3	125.7	133.7	4.8	4.4	4.7
Danville .....	56.9	56.2	57.9	3.6	3.9	4.0	6.3	6.9	6.8
Lynchburg .....	76.7	78.6	79.5	3.8	3.6	3.9	4.9	4.5	4.9
Newport News-Hampton .....	178.3	192.5	193.6	7.3	7.9	8.9	4.1	4.1	4.6
Norfolk-Virginia Beach-Portsmouth .....	360.6	379.8	384.1	17.7	16.5	17.6	4.9	4.4	4.6
Petersburg-Colonial Heights-Hopewell .....	55.0	54.2	55.5	4.1	3.9	4.0	7.4	7.1	7.3
Richmond .....	353.4	362.3	363.9	13.6	13.0	12.5	3.9	3.6	3.4
Roanoke .....	113.9	118.4	119.0	5.8	4.5	5.0	5.1	3.8	4.2
<b>Washington</b> .....	2,083.9	2,044.2	2,041.0	193.6	167.5	162.9	9.3	6.2	8.0
Seattle-Everett .....	903.6	904.7	902.2	79.3	61.0	62.1	8.8	6.7	6.9
<b>West Virginia</b> .....	757.4	773.0	765.1	117.6	105.2	100.0	15.5	13.6	13.1
Charleston .....	119.7	124.6	124.0	13.8	15.0	14.5	11.5	12.0	11.7
Huntington-Ashland .....	121.9	120.7	118.4	20.1	15.4	14.4	16.5	12.8	12.2
Parkersburg-Marietta .....	74.3	75.9	74.3	9.7	8.6	7.4	13.1	11.4	10.0
Wheeling .....	80.6	80.3	78.6	12.6	10.6	10.1	15.7	13.2	12.9
<b>Wisconsin</b> .....	2,418.2	2,429.2	2,421.4	190.5	162.9	156.2	7.9	6.7	6.5
Appleton-Oshkosh .....	152.8	157.5	157.9	11.5	9.9	10.0	7.5	6.3	6.4
Eau Claire .....	60.5	60.0	61.1	4.5	4.3	4.4	7.4	7.2	7.2
Green Bay .....	95.0	97.2	96.8	7.1	6.1	6.1	7.4	6.3	6.3
Janesville-Beloit .....	71.2	71.0	71.7	6.5	5.0	4.9	9.1	7.1	6.8
Kenosha .....	60.5	58.7	58.6	4.7	3.9	3.9	7.7	6.7	6.7
La Crosse .....	50.0	49.7	51.0	3.5	2.9	2.9	7.0	5.8	5.6
Madison .....	192.2	196.0	195.7	10.7	9.5	10.1	5.6	4.6	5.1
Milwaukee .....	695.7	704.9	702.7	59.2	47.0	44.0	8.5	6.7	6.3
Racine .....	83.5	84.9	84.0	7.6	6.3	6.1	9.1	7.4	7.2
Sheboygan .....	53.1	56.2	55.2	3.9	3.4	3.2	7.4	6.1	5.9
Wausau .....	55.0	55.9	55.0	4.7	4.5	4.1	8.5	8.1	7.4
<b>Wyoming</b> .....	276.9	262.4	260.7	18.9	12.7	12.2	6.8	4.8	4.7

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

<sup>2</sup> Not available.

<sup>P</sup> = preliminary.

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

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

# Explanatory Notes

## Introduction

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

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

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

### RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

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

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

### Employment

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

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

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

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

### Hours of work

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

### Earnings

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

### COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

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

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

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

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

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

### COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

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

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

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

# Household Data (A tables)

## COLLECTION AND COVERAGE

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

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

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

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

## CONCEPTS AND DEFINITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

families maintained by either men or women without a spouse.

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

## HISTORICAL COMPARABILITY

### Change in lower age limit

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

### Noncomparability of labor force levels

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

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

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

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

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

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



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

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

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

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

### **Changes in the occupational and industrial classification system**

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

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

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

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

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

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

### **Changes in the sample design**

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

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

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

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

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

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

## ESTIMATING METHODS

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

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

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

Time period	Number of sample areas	Households eligible		Households visited but not eligible
		Interviewed	Not interviewed	
Aug. 1947 to Jan. 1954 .....	68	21,000	500—1,000	3,000—3,500
Feb. 1954 to Apr. 1956 .....	230	21,000	500—1,000	3,000—3,500
May 1956 to Dec. 1959 .....	<sup>1</sup> 330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963 .....	<sup>2</sup> 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

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

<sup>2</sup> 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	<b>Occupation—Continued</b>		
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	<b>Industry</b>		
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
<b>Occupation</b>			Durable goods	.35	.39
Executive, administrative, and managerial	.25	.28	Nondurable goods	.44	.50
Professional specialty	.20	.23	Transportation, communications, and public utilities	.43	.48
Technicians and related support	.49	.55	Wholesale and retail trade	.28	.31
Sales	.31	.35	Finance and services	.22	.24
Administrative support, including clerical	.26	.29	Government workers	.25	.28
Private household	1.28	1.45	Agricultural wage and salary workers	1.29	1.50
Protective service	.80	.90			
Service, except private household and protective	.41	.46			

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

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

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

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

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

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

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

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

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

Standard error of year-to-year change =

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

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

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

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

or about 259,000.

**Table D. Standard errors for estimates of monthly level**

(In thousands)

Estimated monthly level	Characteristic <sup>1</sup>								
	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	-	-	-	-	-	-	-

<sup>1</sup> 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 <sup>1</sup>							
	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 <sup>2</sup>	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	-	-	-	-	-	-	-

<sup>1</sup> See footnote 1, table D.

<sup>2</sup> 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	48
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. <sup>1</sup>	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. <sup>2</sup>	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. <sup>2</sup>	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. <sup>2</sup>	Average, weighted by production worker employment, of the average weekly overtime hours for component cells.
Average hourly earnings .....	Total production or nonsupervisory worker payroll <sup>1</sup> divided by total production or nonsupervisory worker hours. <sup>2</sup>	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.

<sup>1</sup> 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.

<sup>2</sup> 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

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

Industry	Benchmark	Estimate	Percent difference
Total .....	88,208,000	88,172,000	( <sup>1</sup> )
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	( <sup>1</sup> )
Services .....	19,262,000	19,279,000	-.1
Government .....	16,165,000	16,051,000	.7

<sup>1</sup> Less than 0.05 percent.

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 N. Approximate size and coverage of BLS employment and payrolls sample, March 1983<sup>1</sup>**

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 <sup>2</sup> .....	4,800	2,731,000	100
State .....	3,700	3,051,000	81
Local .....	12,900	5,912,000	61

<sup>1</sup> 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.

<sup>2</sup> 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 <sup>1</sup>	Relative errors <sup>2</sup>	
		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 <sup>3</sup> .....	.7	-	-

<sup>1</sup> The average percent revision in employment for the 1979-83 benchmarks.

<sup>2</sup> Relative errors relate to 1982 data.

<sup>3</sup> 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 <sup>1</sup>	Relative errors <sup>2</sup> (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

<sup>1</sup> Assuming 12-month intervals between benchmark revisions.  
<sup>2</sup> Relative errors relate to 1982 data.

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

**Table Q. Errors of preliminary employment estimates**

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

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

differing industrial and geographic stratification.

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

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

### COLLECTION

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

### CONCEPTS

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

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

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

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

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

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

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

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

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

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

#### NOTES ON THE DATA

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

Manufacturing output data are supplied by the

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

## State and Area Labor Force Data (D table)

#### FEDERAL-STATE COOPERATIVE PROGRAM

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

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

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

#### ESTIMATING METHODS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## Seasonal Adjustment

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

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

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

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

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

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

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

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

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

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

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

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

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

Beginning in June 1983, seasonal adjustment factors

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

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

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